Supplementary figures for **Early inoculation of microbial suspension in suckling piglets affected the transmission of maternal microbiota and the associated antibiotic resistance genes**

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1. Comparing the lactating sows and the donor sows

1.1 Housing conditions

The pigs were housed in farming conditions as authorized by the French regulation on animal experimentation for experimentations conducted with an agronomic purpose.
At 106 days of gestation, sows were moved to the farrowing room with natural (windows) and artificial light. They were kept in individual farrowing crates (2 x 2.5 m) equipped with a though and a drinker. The floor of the farrowing pens was made of slatted plastic. The farrowing crates were equipped with 2 infrared heat bulbs for piglets. The ambient temperature was kept at 24 to 25 °C in the lactation rooms with heating and ventilation. Farrowing was induced by an intramuscular injection of prostaglandin F2α (2 mL of Dinolytic, Zoetis, France) on day 114 of gestation. Usual farm practices for newly farrowed piglets were individual identification by tagging, iron injection, tail docking, and castration of male piglets. Cross-fostering, if needed, was performed intra-treatment within 2 days after birth but piglets selected for blood and feces samplings were maintained with her biological mother.

1.2 Ratio of resistant Enterobacteria (Table S1)

Table S1: Counts of tetracycline and sulfamide-resistant Enterobacteria, Ntot number of strains isolated, Ntet and Ptet, number and proportion of strains resistant to tetracylcine, Nsul, number and proportion of strains resistant to sulfonamide. The averages and standard errors are reported as well. It should be noted that the unexpected rise of the proportion of antibiotic-resistant enterobacteria in the donor sows is not due to the use of antibiotics (since no antibiotics were used in the experiment), but could be due to the evolution of the microbiota around parturition [Huang, X.; Gao, J.; Zhao, Y.; He, M.; Ke, S.; Wu, J.; Zhou, Y.; Fu, H.; Yang, H.; Chen, C., et al. Dramatic Remodeling of the Gut Microbiome Around Parturition and Its Relationship With Host Serum Metabolic Changes in Sows. Front Microbiol ***2019***, 10*, 2123, doi:10.3389/fmicb.2019.02123.]*

Sow	use	date	Ntot	Ntet	Nsul	P_tet	tet_average	tet_stdev	P_sul	sul_average	sul_stdev
sow268	donor	prior	9	1	0	11%	6%	8%	0%	0%	0
sow206	donor	prior	10	0	0	0%			0%		
sow512	Lact.	prior	10	4	5	40%	36%	15%	50%	31%	17%
sow709	Lact.	prior	10	2	4	20%			40%		
sow710	Lact.	prior	10	3	1	30%			10%		
sow722	Lact.	prior	9	5	2	56%			22%		
sow512	Lact.	05fev (14 days)	10	2	0	20%	68%	33%	0%	50%	52%
sow709	Lact.	05fev (14 days)	10	9	10	90%			100%		
sow710	Lact.	05fev (14 days)	10	9	9	90%			90%		
sow722	Lact.	05fev (14 days)	10	7	1	70%			10%		
sow268	donor	16fev (weaning)	10	3	4	30%	50%	28%	40%	40%	0.00
sow206	donor	16fev (weaning)	10	7	4	70%			40%		
sow512	Lact.	16fev (weaning)	10	4	0	40%	48%	37%	0%	0%	0
sow709	Lact.	16fev (weaning)	8	5	0	63%			0%		
sow710	Lact.	16fev (weaning)	10	0	0	0%			0%		
sow722	Lact.	16fev (weaning)	8	7	0	88%			0%		

1.3 ARG abundance in the donor and lactating sows before the experiment

In addition to the ratio of resistant Enterobacteria, we performed a screening based on *blaTEM*, *TetM*, *sul2* and *FlorR* 3 months before the begin of the experiment to ensure that some variability in ARGs profiles was present. The results are indicated in the figure below:

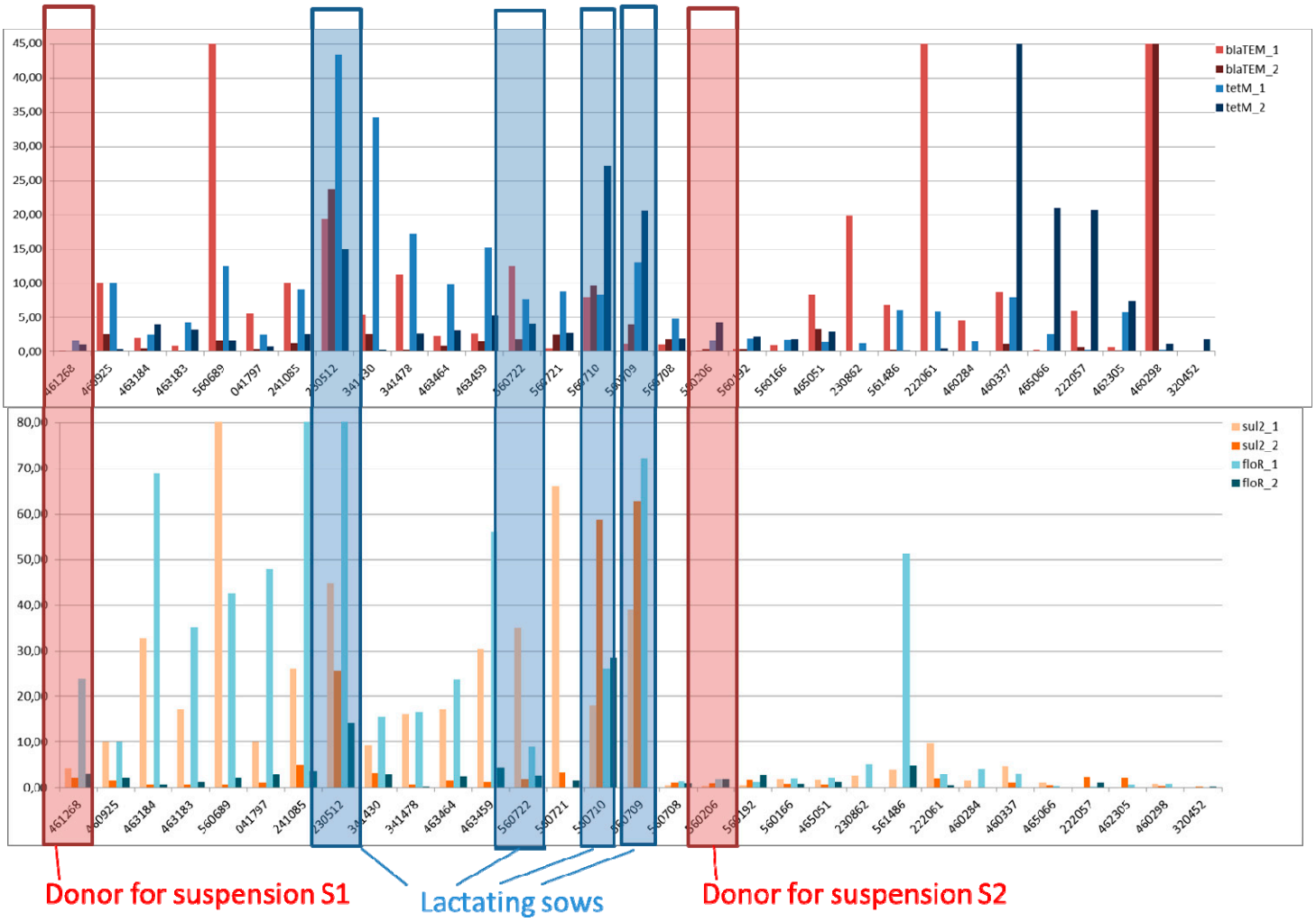


Figure S1: Control of ARG variability in the donor and lactating sows 3 months before the experiment. The ARGs are quantified as described previously.

1.4 ARG abundance in the donor and lactating sows during the experiment (Table S2)

Table S2 : ARG abundances in the 6 samples from the donor sows and in the 12 samples from the lactating sows. The abundances are normalized by the abundance of the 16S rRNA gene. The numbers are not between 0 and 1 because the ARGs were pre-amplified whereas the 16S rRNA genes were not. The measures performed on the day of weaning are in bold. The ARGs aadA, aadA2, lnuB and tetB are highlighted because their uncorrected p-value (according to a wilcoxon test) is lower than 0.05.

			Donor sows (2 sows sampled 3 times)						Lactating sows (4 sows sampled 3 times)											
	raw p-value	pval_corrected_for_FDR	D206_2511	D206_0312	D206J2	D268_2511	D268_0312	D268 J2	T512_J0	T215_J1	T512J2	T709_J0	T709_J1	T709J2	T710_J0	T710_J1	T710J2	T722_J0	T722_J1	T722J2
aadA	0.041	0.381	1.3	1.0	**2.4**	0.2	0.1	**2.6**	1.0	59.5	**4.0**	3.0	12.5	**6.1**	3.5	1.2	**0.4**	6.5	0.4	**8.6**
aadA2_2	0.044	0.381	2.2	1.9	**4.1**	0.6	0.4	**4.0**	1.5	60.9	**5.8**	4.6	14.6	**6.4**	6.1	2.7	**1.0**	6.5	1.0	**8.1**
aadE	0.750	0.931	8.7	9.4	**6.0**	5.5	5.0	**6.3**	8.0	54.1	**16.3**	1.9	13.1	**6.7**	3.6	3.3	**2.8**	4.1	3.3	**9.8**
aadE.1	0.750	0.931	8.9	9.9	**6.2**	5.7	5.4	**6.4**	8.5	55.8	**16.0**	2.0	13.0	**7.5**	3.8	3.3	**2.9**	4.3	3.4	**10.5**
aadE_2	0.053	0.381	7.1	9.9	**7.5**	4.7	8.6	**9.8**	7.3	31.6	**18.1**	8.7	27.2	**10.6**	10.9	12.3	**7.5**	7.9	8.8	**20.8**
ant6Ib	0.553	0.866	6.6	9.3	**12.9**	4.2	8.9	**17.9**	7.5	0.7	**32.1**	4.7	38.1	**14.3**	8.9	11.8	**9.5**	7.5	12.7	**31.3**
ant6Ib.1	0.682	0.931	7.1	10.8	**15.1**	4.3	9.5	**18.1**	6.9	0.7	**37.4**	5.1	39.9	**13.1**	10.3	12.3	**12.2**	7.1	15.1	**27.3**
aph3Ib	0.102	0.461	55.1	94.9	**15.6**	146.8	57.8	**92.6**	0.8	36.7	**46.3**	13.0	41.2	**16.2**	20.7	18.3	**5.4**	607.7	15.3	**184.4**
aphA3	0.494	0.866	2.2	2.6	**1.9**	1.5	1.3	**2.7**	1.7	60.7	**3.5**	1.5	8.1	**3.4**	1.9	2.5	**1.5**	1.3	1.5	**5.9**
aphA3.1	0.750	0.931	2.5	2.8	**2.0**	1.7	1.4	**2.9**	1.8	60.3	**3.7**	1.6	8.4	**3.7**	1.9	2.5	**1.6**	1.3	1.6	**6.5**
blaTEM	0.291	0.698	0.6	1.2	**1.8**	0.7	0.1	**18.9**	0.7	3.8	**0.5**	0.5	44.8	**11.7**	1.5	23.4	**1.5**	124.4	0.8	**2.8**
dfrA1	0.682	0.931	0.1	0.1	**0.0**	0.0	0.0	**0.1**	0.0	72.0	**0.0**	0.0	0.3	**0.3**	0.2	0.0	**0.0**	4.8	0.0	**0.1**
ermB	0.892	0.964	34.5	13.3	**3.6**	4.1	5.8	**5.3**	3.0	43.7	**7.1**	4.7	14.3	**7.6**	4.4	6.5	**5.9**	4.7	2.4	**16.7**
ermF	0.553	0.866	15.6	13.7	**5.1**	12.0	14.5	**23.5**	3.9	3.6	**6.1**	8.8	42.7	**10.6**	17.5	24.9	**14.3**	6.4	12.1	**14.1**
ermG	0.213	0.698	4.8	4.5	**2.6**	1.8	1.6	**3.3**	1.5	71.7	**3.6**	1.3	12.2	**2.4**	9.7	5.4	**5.1**	2.3	10.3	**9.6**
is26	0.213	0.698	2.0	1.5	**0.2**	3.5	1.0	**4.9**	102.5	78.5	**14.6**	0.6	0.6	**0.8**	13.0	2.4	**67.2**	15.6	0.4	**6.6**
is6100	0.494	0.866	17.1	12.3	**1.3**	14.1	6.1	**3.1**	3.3	57.5	**5.5**	1.0	13.2	**4.8**	1.3	2.6	**1.7**	22.3	1.7	**3.6**
lnuB	0.032	0.381	201.7	209.5	**41.2**	105.6	74.5	**56.3**	143.7	2.4	**174.2**	7.9	27.5	**31.4**	17.2	5.9	**12.9**	72.9	16.2	**84.5**
lnuC	0.250	0.698	13.3	13.2	**9.0**	10.6	13.3	**9.0**	9.7	9.9	**16.1**	10.6	38.7	**13.6**	15.8	17.4	**12.1**	8.2	11.4	**20.9**
mefA	0.385	0.814	11.3	16.3	**10.3**	8.1	15.6	**11.0**	7.9	11.6	**11.8**	10.8	31.2	**13.1**	16.3	19.3	**11.6**	10.8	11.0	**19.1**
MGtetM	0.892	0.964	11.7	8.1	**16.7**	4.8	2.1	**7.1**	329.9	73.0	**9.0**	1.0	8.8	**2.4**	53.4	11.5	**8.4**	4.3	3.7	**4.2**
strB	0.083	0.427	76.0	68.3	**18.3**	180.7	54.0	**87.6**	2.2	27.0	**34.4**	5.5	37.8	**20.3**	19.0	11.5	**3.2**	555.0	10.6	**196.7**
tet32	0.291	0.698	10.1	6.5	**3.8**	5.8	9.0	**11.4**	15.0	9.7	**10.2**	4.6	30.8	**7.5**	9.1	29.9	**5.8**	6.4	9.6	**25.2**
tet40_2	0.553	0.866	14.0	12.6	**7.2**	8.8	12.4	**10.5**	7.8	7.3	**17.4**	9.3	42.8	**12.1**	15.1	21.2	**11.3**	7.3	10.3	**19.0**
tetA_2	0.892	0.964	17.5	12.0	**4.8**	4.5	9.7	**22.1**	610.3	1.6	**71.8**	4.8	49.4	**11.4**	5.0	32.0	**3.6**	8.4	5.8	**12.9**
tetB_2	0.041	0.381	0.2	0.1	**0.0**	0.1	0.2	**0.7**	0.3	72.0	**0.8**	0.8	0.6	**0.3**	0.6	0.3	**0.0**	6.5	0.1	**2.2**
tetG	0.892	0.964	9.4	24.5	**13.2**	7.5	14.5	**4.8**	2.4	1.0	**15.0**	5.4	43.6	**2.1**	10.2	16.3	**12.3**	5.5	16.9	**23.4**
tetL	0.437	0.866	168.1	192.8	**2.6**	104.4	71.7	**1.4**	387.7	57.8	**4.2**	4.5	9.4	**2.1**	12.0	17.6	**8.4**	5.7	8.7	**4.8**
tetM	0.291	0.698	17.0	28.4	**3.7**	6.7	6.6	**40.4**	127.2	10.6	**43.4**	44.0	5.5	**51.4**	26.4	5.9	**31.9**	6.5	6.9	**94.2**
tetM_2	0.250	0.698	18.0	34.5	**4.6**	6.2	7.3	**45.3**	129.9	12.9	**54.1**	55.1	5.9	**47.3**	33.0	6.6	**41.4**	5.8	9.1	**89.3**
tetO	0.964	0.964	12.6	11.0	**4.8**	8.0	11.4	**7.5**	6.1	9.7	**10.3**	6.6	40.4	**10.8**	9.8	13.8	**8.2**	4.9	7.9	**11.7**
tetO.1	0.964	0.964	12.6	11.0	**4.6**	7.9	11.6	**7.8**	6.1	9.3	**10.0**	6.4	41.3	**11.4**	10.1	13.5	**8.3**	5.2	7.7	**12.4**
tetQ	0.616	0.925	13.5	11.7	**7.5**	7.7	12.6	**11.1**	5.1	9.3	**13.4**	8.4	33.7	**11.1**	13.0	15.7	**10.0**	7.9	11.3	**16.6**
tetR	0.964	0.964	16.2	13.0	**5.0**	6.6	12.4	**25.1**	576.6	2.5	**74.6**	5.9	45.6	**10.2**	6.6	29.6	**5.4**	9.3	6.6	**13.7**
tetW.1	0.083	0.427	11.6	10.4	**7.3**	7.8	10.8	**10.8**	9.8	17.7	**15.7**	12.1	29.2	**12.0**	13.1	13.0	**7.4**	9.5	9.2	**22.1**
tetX	0.385	0.814	18.1	25.4	**6.6**	9.5	16.6	**19.7**	3.4	6.2	**4.9**	8.0	29.5	**11.6**	9.1	27.6	**10.1**	9.0	11.7	**23.7**

2. Comparing the gavaged and control piglets

2.1 Ratio of resistant Enterobacteria in piglets (Fig S3 and S4)

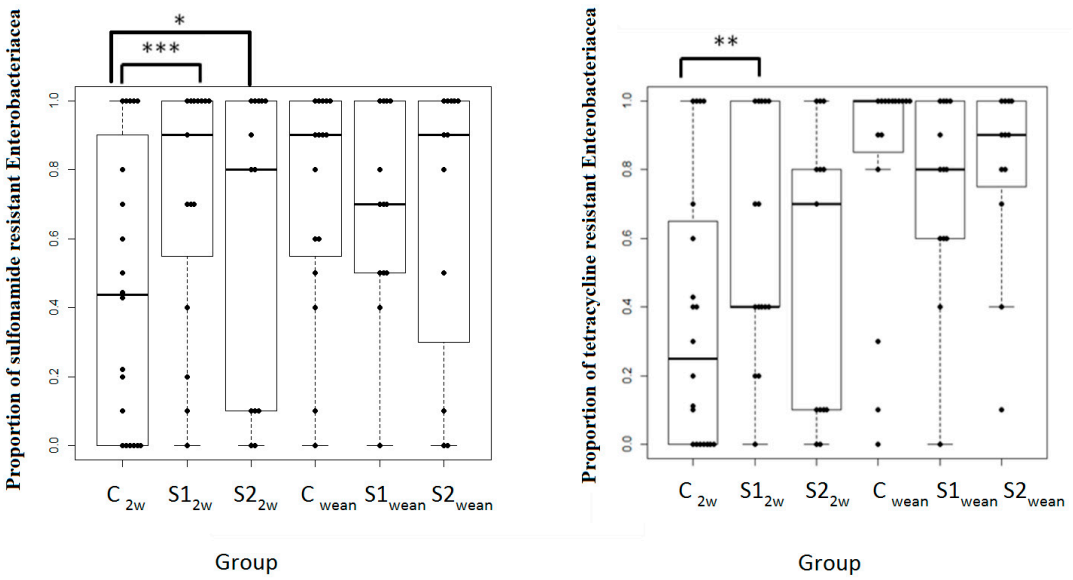


Figure S3: Proportion of Enterobacteriaceae resistant to sulfamethoxazole (left) and tetracycline (right) in piglets at 14 days and at 4 weeks (i.e. weaning). The proportion was measured by counting the Enterobacteria plated on a selective medium and then screening for the antibiotic-resistance of 10 isolates per sample. Stars indicate p-values below 0.05,0.01 and 0.001 respectively. The control piglets are labeled 'C' while the piglets force-fed with the microbial suspensions are labeled 'S1' and 'S2' respectively.

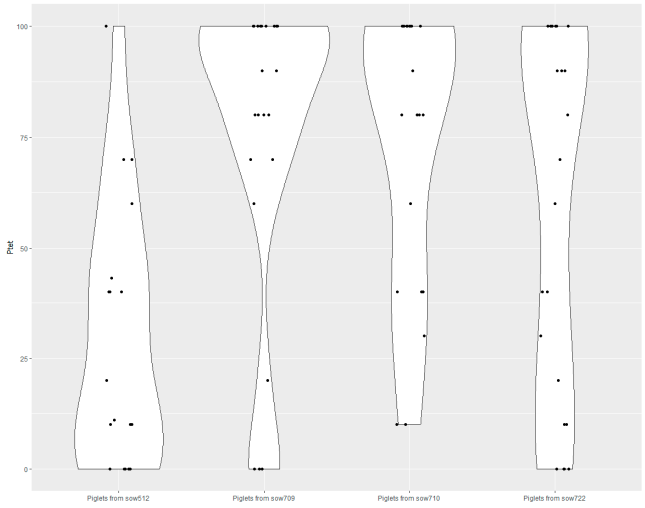


Figure S4 : Lactating sow effect on the Enterobacteriaceae resistant to tetracycline in piglets at 4 weeks (weaning). We used the violin plot from ggplot2 to visualize the impact of the lactating sow at weaning.

2.2 Graphical representation of the impact of S1 and S2 on ARGs (Fig S5 and S6)

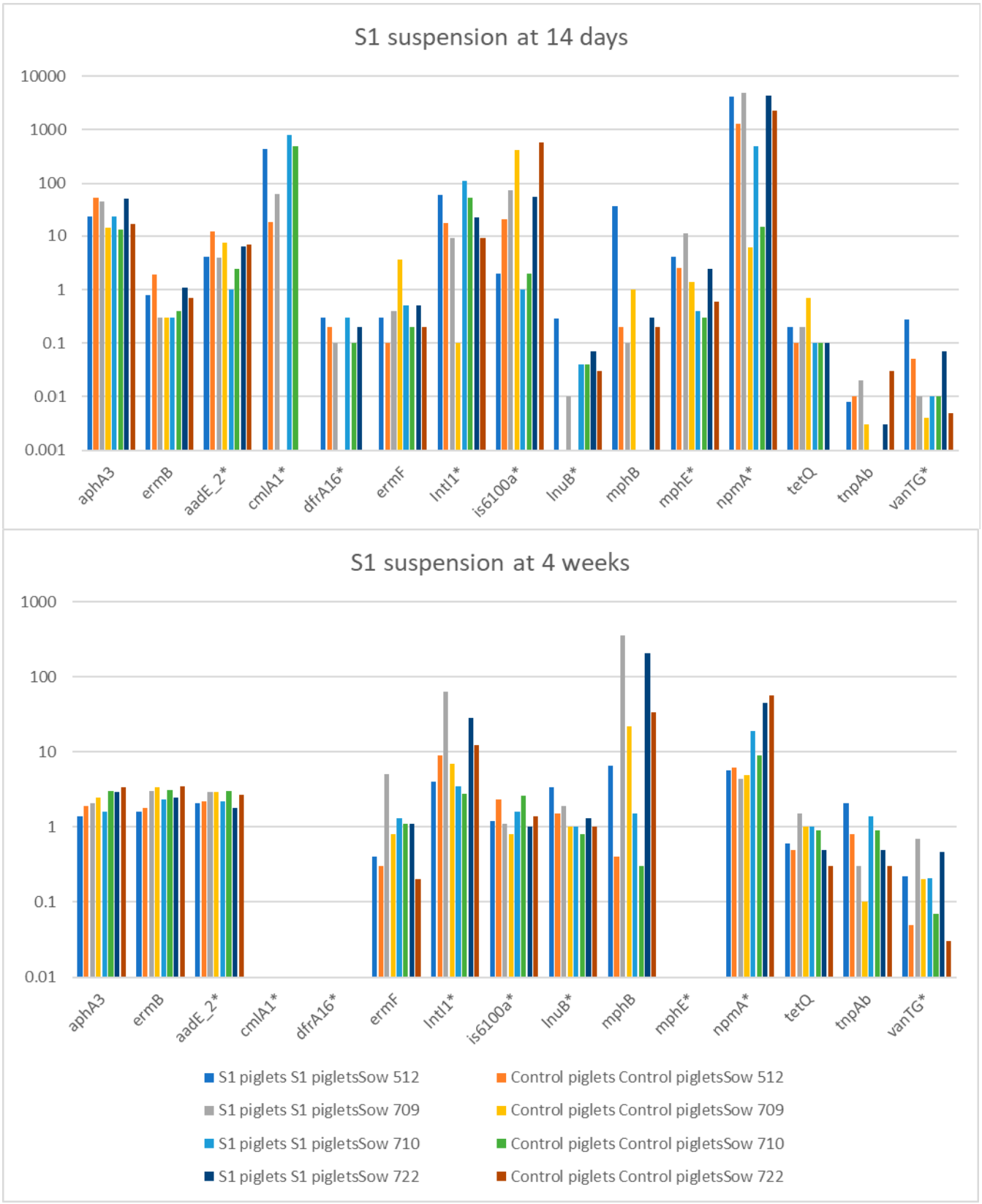
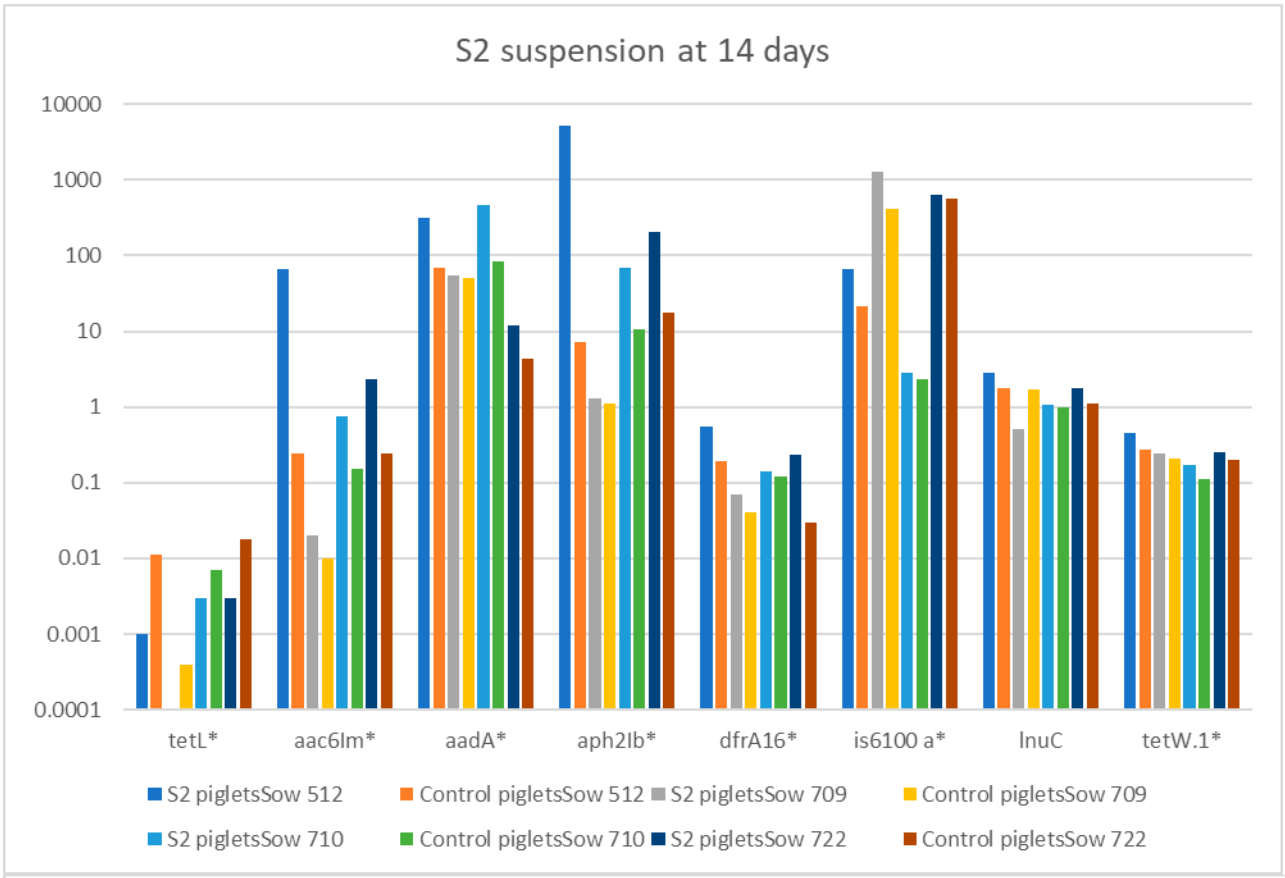


Figure S5 : Graphical representation of the impact of the S1 suspension on ARGs at 14 days and 4 weeks



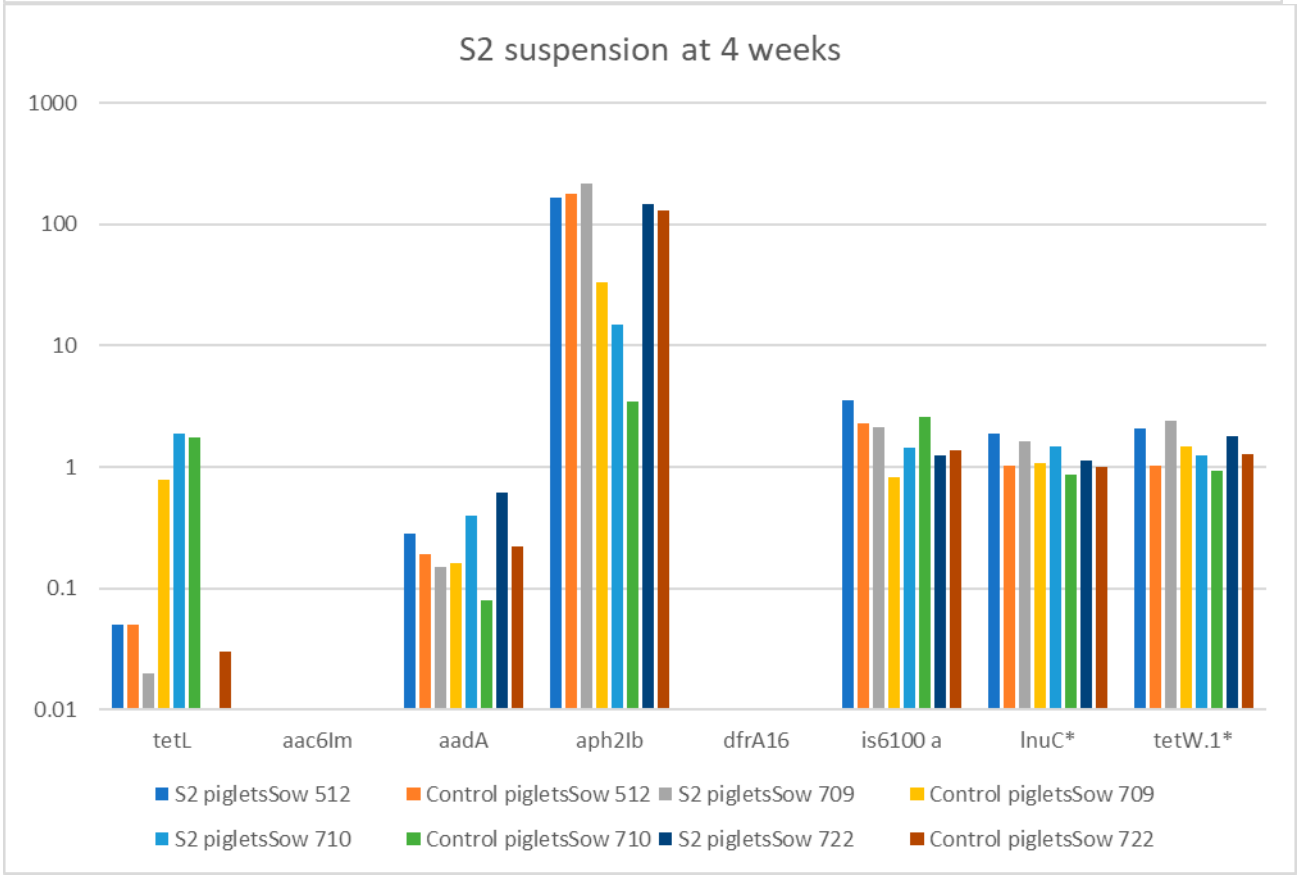


Figure S6 : Graphical representation of the impact of the S1 suspension on ARGs at 14 days and 4 weeks

2.3 Principle of the DAPC

Here we give more detail about the statistics that we used to determine the separation of the gavaged and control piglets via DAPC. DAPC (Jombart et al., 2010) stands for Discriminant Analysis of Principal Components. The first advantage of DAPC lies in the fact that many OTUs are in fact colinear, making them difficult to use in a discriminant analysis. DAPC solves this issue by using a PCA to get orthogonal axes. The second advantage of DAPC lies in the power of the discriminant analysis, which allows to isolate differences that are related to a particular treatment by optimizing the variance between groups while minimizing the variance within groups.

The pitfall of this method is that it will obtain some degree of separation for any groups of individual, especially given the high number of OTUs. The overfitting can be mesured by the a-score, which is the difference between the proportion of successful reassignment and values obtained using random groups. In practice, the p-values corresponds to the proportion of simulation with a better a-score than the 'real' groups. In other words, we performed 1000 simulations with random groups, and we count how many have a better separation than the real observation (i.e. how many a-scores are negative out of the 1000 a-scores obtained). If the separation is due to overfitting, then many simulations will obtain a similar proportion of successful reassignments, leading to many a-scores being negative. In contrast, very few simulations will obtain the a-score of a separation that is not random.

Therefore, the use of DAPC allows us to pool the two sampling dates and the use of a-scores generates an estimation of the statistical significance that takes into account the overfitting. The use of the randomization is close to the rationale of a PERMANOVA. However, in our case the PERMANOVA is not significant (p=0.4) because the major effect is the date of sampling, making the effect of inoculation negligible.

The interested reader is invited to read the initial publication :

T. Jombart, S. Devillard, and F. Balloux, Discriminant analysis of principal components: a new method for the analysis of genetically structured populations. BMC Genet 11 (2010) 94.

2.4 OTUs that separate the piglets are rare in the donor sows (Fig S6)

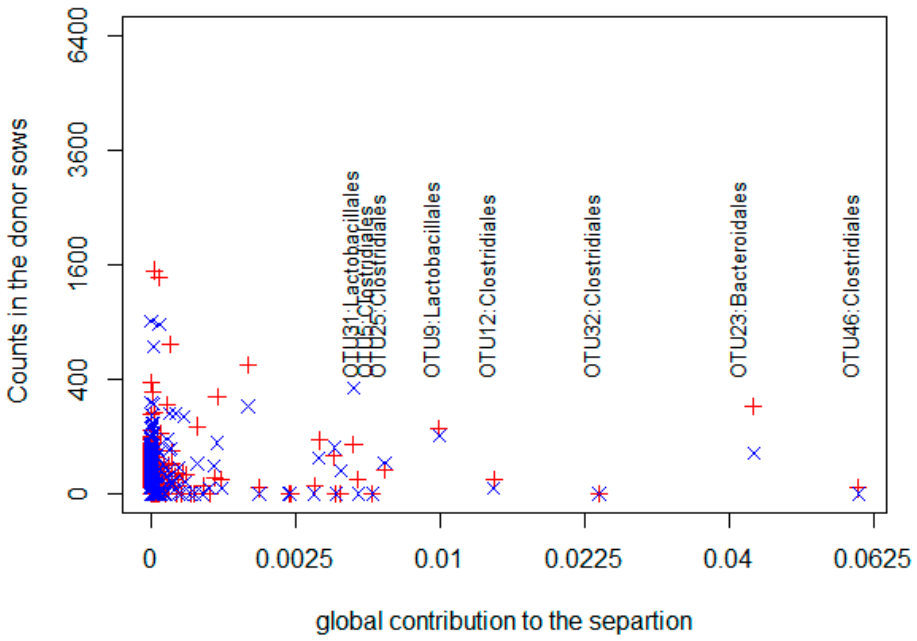


Figure S9: Number of reads of the OTUs in the donor sows by their global contribution in the DAPC. The 8 OTUs needed to significant separation are labeled.

2.5 ARG ratios in the sows and in the S1 piglets at weaning

2.5.1 Table of ARG in S1 piglets at weaning (Table S3)

Table S3 : Significance of the exclusion and relative abundance of targeted genes in the S1 and control piglets at weaning. The abundances are normalized by the abundance of the 16S rRNA gene. The numbers are not between 0 and 1 because the ARGs were pre-amplified whereas the 16S rRNA genes were not (see material and methods). For example the control piglets of Sow512 had up to 33.57/0.42=79.9 fold less mphB than the control piglets from Sow722. The p-values correspond to a 2-way non-parametric Friedman test based on the medians.

		Lactating Sow 512		Lactating Sow 709		Lactating Sow 710		Lactating Sow 722						
ARG ID	p-value for piglets	S1_piglets_with_sow512	Control_piglets_with_sow512	S1_piglets_with_sow709	Control_piglets_with_sow709	S1_piglets_with_sow710	Control_piglets_with_sow710	S1_piglets_with_sow722	Control_piglets_with_sow722	S1 donor (sow268)	Mean_Lactating_Sow512	Mean_Lactating _Sow709	Mean_Lactating _Sow710	Mean_Lactating _Sow722
aadA	0.32	0.05	0.19	1.43	0.16	0.11	0.08	1.22	0.22	0.09	2.36	0.41	0.16	0.36
aadA2_2	0.32	0.10	0.27	1.74	0.28	0.23	0.22	1.56	0.34	0.15	2.45	0.50	0.30	0.37
aadE	0.32	2.11	2.91	2.83	3.67	2.54	3.76	2.59	2.33	0.59	2.52	0.40	0.29	0.38
aadE.1	0.32	2.26	2.91	2.92	3.84	2.60	3.91	2.70	2.35	0.62	2.59	0.43	0.30	0.39
aadE_2	0.32	2.11	2.23	2.91	2.86	2.18	3.03	1.84	2.66	0.73	1.68	0.89	0.86	0.81
ant6Ib	0.32	1.22	1.12	0.29	1.04	0.50	0.79	0.82	0.96	0.92	0.73	0.93	0.85	1.07

ant6Ib.1	0.32	1.35	1.09	0.34	1.20	0.53	0.75	0.74	1.17	0.95	0.81	0.91	1.01	1.06
aph2Ib	1.00	23.32	179.3	43.02	33.25	19.77	3.51	88.24	129.6	NA	NA	0.87	0.66	0.24
aph3Ib	0.32	25.11	17.81	286.9	13.62	2.71	2.64	241.3	509.6	11.98	2.19	1.34	1.24	23.68
aphA1	1.00	17.68	10.53	1.73	1.45	2.92	3.21	4.69	7.96	27.94	1.75	NA	NA	NA
aphA3	0.05	1.40	1.89	2.05	2.48	1.57	3.03	2.91	3.42	0.19	2.41	0.23	0.16	0.17
aphA3.1	0.05	1.41	2.13	2.16	2.48	1.67	3.26	2.93	3.35	0.20	2.40	0.25	0.17	0.18
blaTEM	1.00	0.31	0.91	80.32	29.89	12.94	37.80	33.12	28.68	0.56	0.17	0.71	0.47	4.26
blaTEM_2	0.32	0.27	0.98	383.0	130.7	39.52	105.5	158.4	247.9	NA	0.11	1.00	0.64	9.12
cepA	1.00	0.08	0.06	0.02	0.09	0.01	0.03	2.88	2.85	NA	NA	0.02	NA	0.12
dfrA1	0.32	0.01	0.10	2.06	0.13	0.01	0.00	1.91	0.39	0.00	2.75	0.01	0.01	0.16
ermB	0.05	1.58	1.82	2.99	3.43	2.32	3.15	2.46	3.53	0.50	1.85	0.55	0.47	0.47
ermF	0.05	0.42	0.28	5.13	0.78	1.28	1.11	1.09	0.16	1.64	0.33	0.98	1.54	0.75
ermG	0.32	5.00	5.67	6.83	9.95	7.27	5.21	7.87	9.64	0.23	2.83	0.21	0.62	0.50
IntI1[a]	0.32	4.00	8.89	63.72	6.99	3.45	2.83	28.47	12.51	1.61	NA	0.46	0.90	3.63
IntI2[a]	1.00	0.01	0.02	0.16	0.06	0.00	0.02	0.06	0.02	0.00	3.05	0.01	NA	0.01
is26[a]	0.32	1.52	0.74	3.76	0.68	0.98	0.26	2.28	5.91	0.35	5.60	0.06	2.95	0.63
is6100[a]	0.32	1.17	2.31	1.09	0.82	1.63	2.58	0.98	1.36	1.00	2.36	0.29	0.15	0.85
lnuB	0.05	3.43	1.48	1.86	1.03	0.99	0.79	1.28	0.96	9.09	6.29	1.63	1.19	4.17
lnuC	1.00	0.94	1.03	1.67	1.07	1.32	0.86	0.96	1.00	1.13	0.87	1.14	1.29	0.90
mefA	1.00	0.96	0.73	1.31	0.86	0.81	1.26	0.35	0.36	1.10	0.82	1.09	1.32	0.95
MGtetM	0.32	0.44	1.84	26.21	2.38	11.07	14.58	2.41	2.68	0.51	10.54	0.18	2.46	0.31
mphB	0.05	6.48	0.42	359.4	21.92	1.48	0.28	206.2	33.57	1.65	NA	2.05	2.43	2.11
npmA	0.32	5.74	6.23	4.45	4.94	19.33	9.00	45.31	57.07	NA	1.27	0.81	0.28	0.06
strB	1.00	14.22	11.98	243.1	15.73	2.25	2.28	190.8	317.6	13.63	1.65	1.18	0.99	21.97
sul2	1.00	0.08	0.13	2.74	0.17	0.06	0.12	2.46	1.62	0.06	NA	NA	0.01	0.18
tet32	1.00	1.07	1.86	0.81	0.66	0.71	0.94	1.24	0.74	0.84	0.88	0.63	1.00	0.86
tet40_2	0.32	1.42	0.97	1.81	1.75	1.37	1.37	1.46	1.39	1.06	0.75	1.05	1.29	0.81
tetA_2	1.00	4.25	1.78	46.62	14.54	18.32	20.06	11.51	15.08	1.08	15.32	0.89	0.80	0.63
tetB_2	1.00	0.17	0.20	0.83	0.55	0.15	0.18	2.05	0.91	0.03	2.77	0.05	0.03	0.25
tetG	0.32	1.51	0.78	1.07	1.44	1.08	0.89	0.29	0.20	0.88	0.34	0.54	1.07	0.99
tetH	0.32	1.50	1.93	1.02	1.06	1.06	2.06	0.54	0.41	0.25	NA	0.28	NA	NA
tetL	1.00	0.06	0.05	1.01	0.78	0.42	1.77	0.02	0.03	7.45	11.21	0.31	1.01	0.50
tetM	1.00	0.20	0.42	4.30	0.49	1.71	2.42	0.46	0.40	1.63	4.06	3.65	2.22	1.83
tetM_2	0.32	0.17	0.40	3.86	0.47	1.94	2.39	0.44	0.48	1.75	4.38	3.93	2.82	1.79
tetO	1.00	1.22	1.02	1.87	1.63	1.68	2.25	1.32	1.41	0.91	0.68	0.89	0.87	0.55
tetO.1	1.00	1.26	1.06	1.99	1.67	1.67	2.35	1.34	1.43	0.92	0.66	0.91	0.88	0.57
tetQ	0.05	0.61	0.55	1.46	1.01	1.02	0.94	0.46	0.33	1.02	0.69	0.93	1.08	0.82
tetR	1.00	4.15	1.72	31.30	14.06	4.38	9.41	7.71	9.73	1.34	14.62	0.87	0.89	0.70
tetT	0.32	1.95	2.07	1.63	1.03	4.29	2.56	4.09	2.01	1.87	NA	NA	NA	NA
tetW.1	0.32	1.00	1.03	1.79	1.47	1.02	0.93	1.38	1.28	0.98	1.16	1.08	0.95	0.90
tetX	1.00	0.70	0.71	1.47	0.52	1.02	2.11	1.71	0.31	1.45	0.40	0.91	1.12	0.97
tnpA[a]	0.05	2.11	0.83	0.33	0.16	1.47	0.94	0.59	0.39	27.75	NA	1.59	2.15	NA
vanTG	0.05	0.22	0.05	0.70	0.23	0.22	0.07	0.47	0.03	1.77	NA	1.71	4.11	1.29
X16SZhu	NA	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

[a]:Not an ARG

2.5.2 Table of ARGs in S2 piglets (Table S4)

Table S4 : Significance of the exclusion and relative abundance of targeted genes in the S2 donor. The abundances are normalized by the abundance of the 16S rRNA gene. The numbers are not between 0 and 1 because the ARGs were pre-amplified whereas the 16S rRNA genes were not (see material and methods). The p-values correspond to a 2-way non-parametric Friedman test based on the medians.

		Lactating Sow 512		Lactating Sow 709		Lactating Sow 710		Lactating Sow 722						
ARG ID	p-value piglets	S2_piglets_with_sow512	Control_piglets_with_sow512	S2_piglets_with_sow709	Control_piglets_with_sow709	S2_piglets_with_sow710	Control_piglets_with_sow710	S2_piglets_with_sow722	Control_piglets_with_sow722	S2 donor (sow206)	Mean_Lactating_Sow512	Mean_Lactating_Sow709	Mean_Lactating_Sow710	Mean_Lactating_Sow722
aadA	0.32	0.28	0.19	0.15	0.16	0.40	0.08	0.62	0.22	0.12	2.36	0.41	0.16	0.36
aadA2_2	0.05	0.42	0.27	0.31	0.28	0.73	0.22	0.58	0.34	0.21	2.45	0.50	0.30	0.37
aadE	0.32	2.73	2.91	3.55	3.67	3.61	3.76	4.39	2.33	0.56	2.52	0.40	0.29	0.38
aadE.1	0.32	2.83	2.91	3.76	3.84	3.77	3.91	4.62	2.35	0.58	2.59	0.43	0.30	0.39
aadE_2	1.00	3.53	2.23	2.65	2.86	2.58	3.03	2.86	2.66	0.59	1.68	0.89	0.86	0.81
ant6Ib	0.32	1.03	1.12	0.85	1.04	0.65	0.79	1.03	0.96	0.72	0.73	0.93	0.85	1.07
ant6Ib.1	0.32	1.11	1.09	0.97	1.20	0.58	0.75	0.97	1.17	0.83	0.81	0.91	1.01	1.06
aph2Ib	0.32	167.9	179.3	218.1	33.25	14.91	3.51	147.8	129.6	NA	NA	0.87	0.66	0.24
aph3Ib	0.05	19.23	17.81	21.88	13.62	15.04	2.64	964.5	509.6	3.67	2.19	1.34	1.24	23.68
aphA1	0.32	16.87	10.53	5.31	1.45	3.49	3.21	3.21	7.96	4.49	1.75	NA	NA	NA
aphA3	0.32	2.32	1.89	4.23	2.48	2.27	3.03	4.31	3.42	0.16	2.41	0.23	0.16	0.17
aphA3.1	0.32	2.25	2.13	4.12	2.48	2.34	3.26	4.15	3.35	0.17	2.40	0.25	0.17	0.18
blaTEM	0.32	0.21	0.91	11.44	29.89	51.90	37.80	13.72	28.68	0.09	0.17	0.71	0.47	4.26
blaTEM_2	0.32	0.18	0.98	34.50	130.7	189.9	105.5	37.55	247.9	0.04	0.11	1.00	0.64	9.12
cepA	0.32	0.18	0.06	0.58	0.09	0.03	0.03	0.19	2.85	NA	NA	0.02	NA	0.12
dfrA1	0.32	0.01	0.10	0.14	0.13	0.01	0.00	0.50	0.39	0.00	2.75	0.01	0.01	0.16
ermB	1.00	3.47	1.82	3.86	3.43	2.96	3.15	3.52	3.53	1.12	1.85	0.55	0.47	0.47
ermF	1.00	0.17	0.28	0.41	0.78	1.89	1.11	0.42	0.16	0.77	0.33	0.98	1.54	0.75
ermG	1.00	7.87	5.67	9.49	9.95	9.95	5.21	5.99	9.64	0.27	2.83	0.21	0.62	0.50
IntI1[a]	0.32	4.61	8.89	9.89	6.99	9.98	2.83	20.44	12.51	0.79	NA	0.46	0.90	3.63
IntI2[a]	1.00	0.03	0.02	0.06	0.06	0.01	0.02	0.01	0.02	NA	3.05	0.01	NA	0.01
is26[a]	0.05	2.17	0.74	0.79	0.68	1.55	0.26	10.23	5.91	0.08	5.60	0.06	2.95	0.63
is6100[a]	1.00	3.56	2.31	2.15	0.82	1.43	2.58	1.25	1.36	0.66	2.36	0.29	0.15	0.85
lnuB	0.32	4.17	1.48	3.84	1.03	0.64	0.79	2.54	0.96	9.98	6.29	1.63	1.19	4.17
lnuC	0.05	1.87	1.03	1.62	1.07	1.47	0.86	1.12	1.00	0.83	0.87	1.14	1.29	0.90
mefA	0.32	0.67	0.73	1.09	0.86	1.29	1.26	0.60	0.36	0.89	0.82	1.09	1.32	0.95
MGtetM	1.00	0.74	1.84	4.29	2.38	17.67	14.58	1.00	2.68	0.91	10.54	0.18	2.46	0.31
mphB	1.00	0.55	0.42	13.08	21.92	1.72	0.28	1.94	33.57	2.44	NA	2.05	2.43	2.11
npmA	0.32	0.22	6.23	3.24	4.94	24.02	9.00	0.67	57.07	NA	1.27	0.81	0.28	0.06
strB	0.05	15.55	11.98	23.82	15.73	15.39	2.28	728.9	317.6	3.61	1.65	1.18	0.99	21.97
sul2	0.32	0.41	0.13	0.24	0.17	0.15	0.12	0.80	1.62	0.03	NA	NA	0.01	0.18
tet32	0.32	2.48	1.86	2.92	0.66	0.70	0.94	1.94	0.74	0.47	0.88	0.63	1.00	0.86
tet40_2	0.32	1.66	0.97	1.79	1.75	1.57	1.37	1.12	1.39	0.78	0.75	1.05	1.29	0.81

tetA_2	1.00	17.94	1.78	9.46	14.54	41.23	20.06	1.32	15.08	0.77	15.32	0.89	0.80	0.63
tetB_2	0.32	0.52	0.20	0.13	0.55	0.25	0.18	3.58	0.91	0.01	2.77	0.05	0.03	0.25
tetG	1.00	0.58	0.78	0.98	1.44	3.30	0.89	1.19	0.20	1.12	0.34	0.54	1.07	0.99
tetH	1.00	1.73	1.93	3.26	1.06	0.94	2.06	0.43	0.41	NA	NA	0.28	NA	NA
tetL	0.32	0.05	0.05	0.02	0.78	1.90	1.77	0.01	0.03	7.78	11.21	0.31	1.01	0.50
tetM	0.32	0.18	0.42	0.69	0.49	2.22	2.42	0.24	0.40	1.08	4.06	3.65	2.22	1.83
tetM_2	1.00	0.21	0.40	0.74	0.47	2.66	2.39	0.24	0.48	1.26	4.38	3.93	2.82	1.79
tetO	0.32	1.22	1.02	1.30	1.63	2.22	2.25	1.00	1.41	0.65	0.68	0.89	0.87	0.55
tetO.1	0.32	1.23	1.06	1.41	1.67	2.17	2.35	1.06	1.43	0.64	0.66	0.91	0.88	0.57
tetQ	1.00	0.40	0.55	0.56	1.01	1.94	0.94	0.54	0.33	0.76	0.69	0.93	1.08	0.82
tetR	1.00	14.26	1.72	8.04	14.06	27.85	9.41	1.33	9.73	0.77	14.62	0.87	0.89	0.70
tetT	0.32	2.73	2.07	1.80	1.03	5.37	2.56	1.82	2.01	1.79	NA	NA	NA	NA
tetW.1	0.05	2.08	1.03	2.39	1.47	1.25	0.93	1.78	1.28	0.68	1.16	1.08	0.95	0.90
tetX	1.00	0.28	0.71	0.69	0.52	1.25	2.11	0.77	0.31	1.12	0.40	0.91	1.12	0.97
tnpA[a]	0.32	2.32	0.83	0.78	0.16	0.43	0.94	0.55	0.39	32.39	NA	1.59	2.15	NA
vanTG	0.32	0.09	0.05	0.13	0.23	0.26	0.07	0.88	0.03	0.90	NA	1.71	4.11	1.29
X16SZhu	NA	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00

[a] : not an ARG

2.5.3 Visualization of the ARG ratio in S1 and S2 piglets (Fig S2)

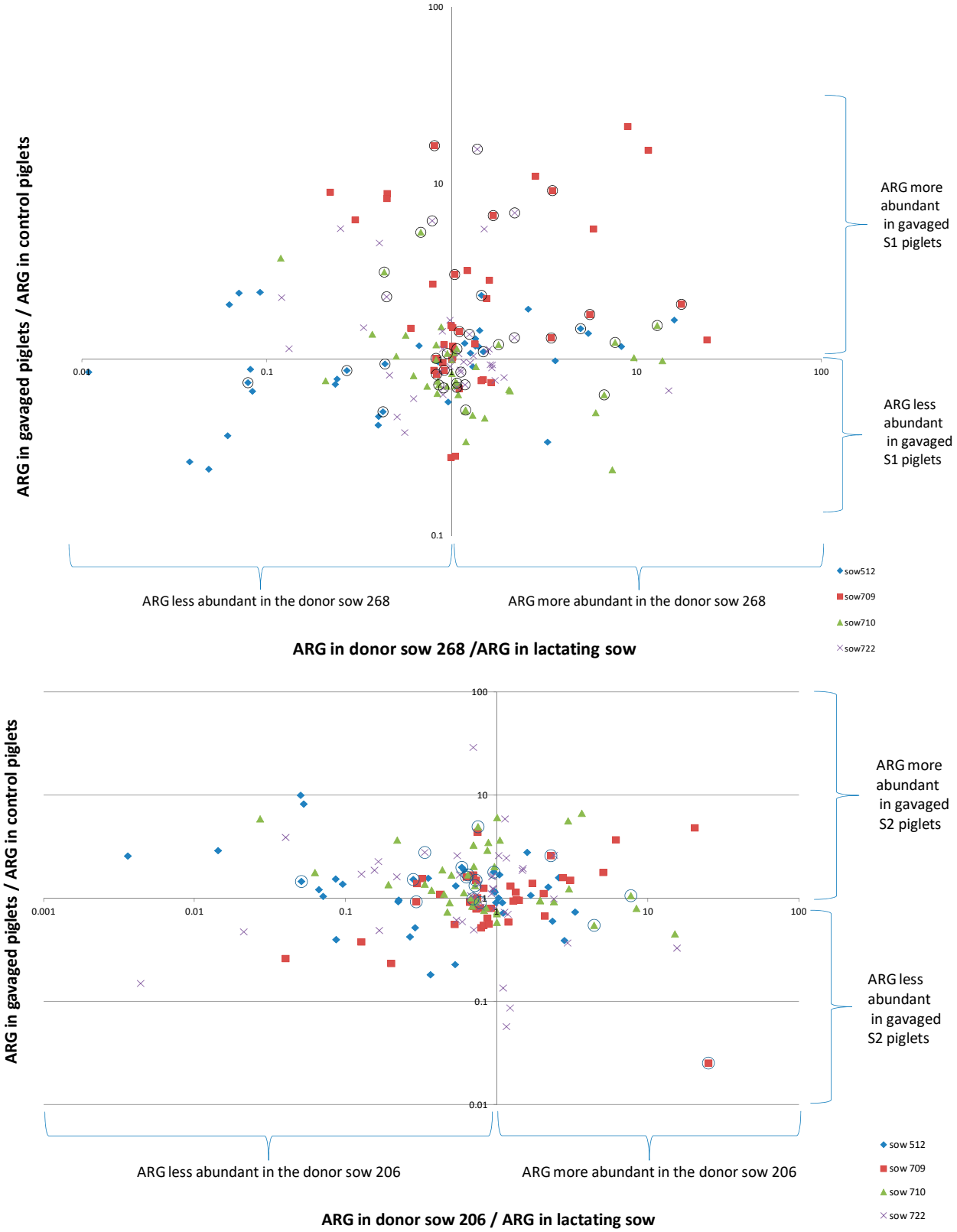


Figure S2: Relative abundance of ARGs in S1 and S2 piglets at weaning (as ratio of the ARG in the control piglets) vs the abundance of ARGs in the donor sow (as ratio of the ARG in the lactating sow). For each ARG in Table S1 (top, corresponding to S1 donor sow 268) or Table S2 (bottom, corresponding to S2 donor sow 206), the X axis indicated the ratio between the relative abundance in the piglets gavaged with suspension

S1 over the relative abundance in the control piglets. The Y-axis indicates the ratio between the relative abundance in the donor sow over the relative abundance in the lactating sow. ARGs that are significantly impacted by the inoculation of suspension are circled. Each sow has a different marker. The axes use a logarithmic scale. The green areas indicate the areas where a low (resp. high) abundance of ARG in the donor translates to a low(resp.high) abundance in the gavaged piglets, i.e the hypothesis that the ARG level in the sows is mirrored in the piglets.
This figure illustrates the challenge of predicting the success of the exclusion based solely on the ARG level in the donor and the lactating sow because a strong ARG contrast is not enough to guarantee a successful exclusion of the ARG.

3. Neutral model applied to the piglets

3.1 Rationale of the neutral model

The rationale of the neutral model is that a metacommunity (microbes surrounding the piglet in our case) feed a local community (microbes in the gut of the piglets). The neutral model assumes that species are 'neutral' in their ecological fitness (i.e. each species has the same growth, death and dispersion rates), and the assembly is the resulting stochastic phenomenon.

The metacommunity can either be objectively measured (such as the microbiota of the milking sow, and the microbiota of the donor sow), or it can be derived from the observation across all the samples. The basic idea is that an OTU that is rare in the metacommunity will be observed in very few local community while an OTU that is abundant in the metacomunity will be observed in every local comunity.

In our case, we first show that the link between the microbiota of the sows and the microbiota of the piglets is tenuous, as most of the OTUs observed in every piglet is not observed in the sows (with identical sequencing depth, Fig S4). We then proceed to fit the neutral model by estimating the metacommunity from the observations across all the piglets (Fig S5). The interested reader is invited to read the publication describing the algorithm fitting the neutral model : A.R. Burns, W.Z. Stephens, K. Stagaman, S. Wong, J.F. Rawls, K. Guillemin, and B.J. Bohannan, Contribution of neutral processes to the assembly of gut microbial communities in the zebrafish over host development. The ISME journal 10 (2016) 655-64.

3.2 Necessity of estimating the metacommunity from piglets (Fig S8)

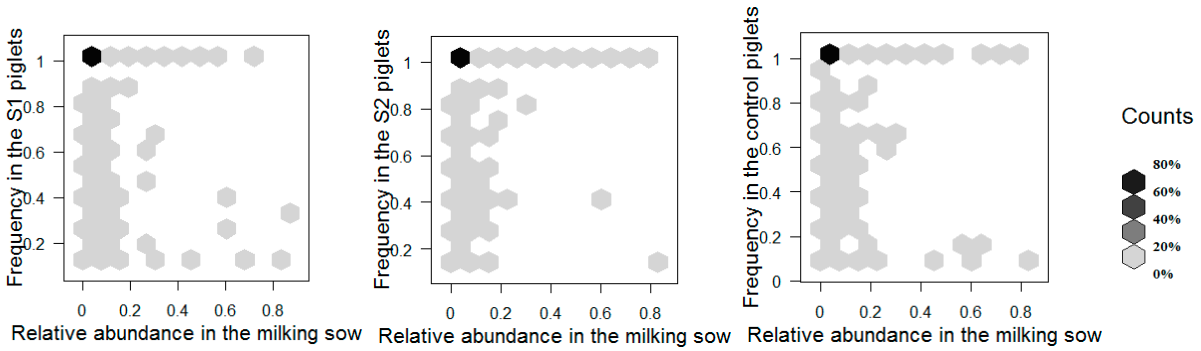


Figure S8: Repartition of the frequency of the OTUs in S1, S2 and control piglets compared to the abundance of the OTUs in the lactating sows. Each OTU is plotted with its abundance in the milking sow (X-axis) vs the number of piglets in which it was observed across the 4 lactating sows (i.e. out of 3x4 piglets for S1 or S2, out of 4x4 piglets for the control) (Frequency on the Y-Axis). The area was divided in hexagons with the hexbin package of R, and the density of each hexagon was color-coded. This figure shows that the piglets gavaged with S1, S2 or saline water all had more than 80% of their OTUs that were present in every piglet, yet undetectable in their milking sow sampled at the same sequencing depth. This contrast is in clear opposition with the idea that the milking sow provides a metacommunity that colonize the gut of the piglet following a neutral model (at least in the control piglets), and justifies the use of an extrapolated metacommunity to fit the neutral model on the gut microbes of the piglets (Fig.2).

3.3 Fitting the neutral model to control, S1 and S2 piglets of sow722 (Fig S7)

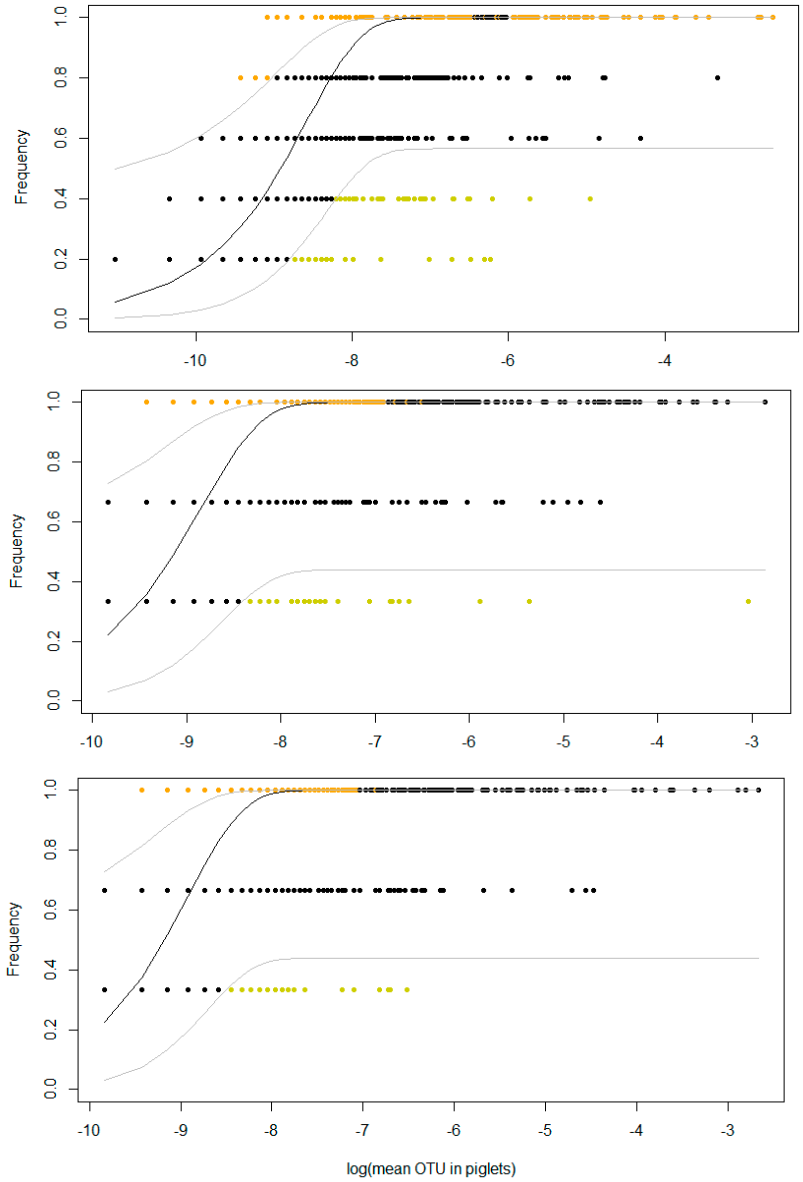


Figure S7 : Fitting the neutral model to control, S1 and S2 piglets of sow722. The controls piglets (TOP) show an acceptable fit (R^2=0.45) while piglets force-fed with S1 (MIDDLE) and S2 (BOTTOM) are not well described by the model (R^2<0.04). OTUs more frequent than expected are in orange, OTUs less frequent than expected are in green. The lack of fit of the neutral model for the gavaged piglets (in contrast to the control piglets for which the neutral model offers a decent fit) indicates that the inoculation of microbial suspension in the early life modified the rules of assembly of the microbial communities.

4. Linking OTUs and ARGs

4.1 Rationale of the MINE method

In our dataset, we merged the data of ARG abundance and 16S gene for each sample. We then look at the relationships between ARG and OTU using the MINE software (see Material and Method section), which can detect simultaneously linear and non-linear relationships. The linear and non-linear relationships between the selected OTUs and ARGs were characterized on a filtered OTU table so that the total count of each OTU across the samples is higher than 1000 (i.e., 0.07% of the total counts), which was merged with the ARG dataset using the sample Id. We then computed the maximal information coefficient index using the application provided with Java SE 1.7.0_02[49] with the percentage of the records necessary to have data in them for both variables before those variables are compared (cv) and the exponent (α) parameters set to 0.6.

To keep only relationships that are statistically significant, we used the same randomization strategy as for the DAPC. Indeed, the empirical null distribution of the maximal information coefficient was computed using 1000 random permutations of the relative abundances within the variables in order to account for the baseline correlation bound to occur between any two vectors. The maximal value of the null distribution was set as the significant threshold for the real dataset, i.e., the dataset before randomization. The relationships were labeled as linear when the regression coefficient was higher than 0.5. They were labeled as non-linear when the regression coefficient was negative and the nonlinearity coefficient was higher than 0.3 (see Fig S7 for examples). The dataset at 14 days and the dataset at weaning were analyzed separately to avoid relationships due to the impact of age.

4.2 Examples of ARG-OTU relationships (Fig S10)

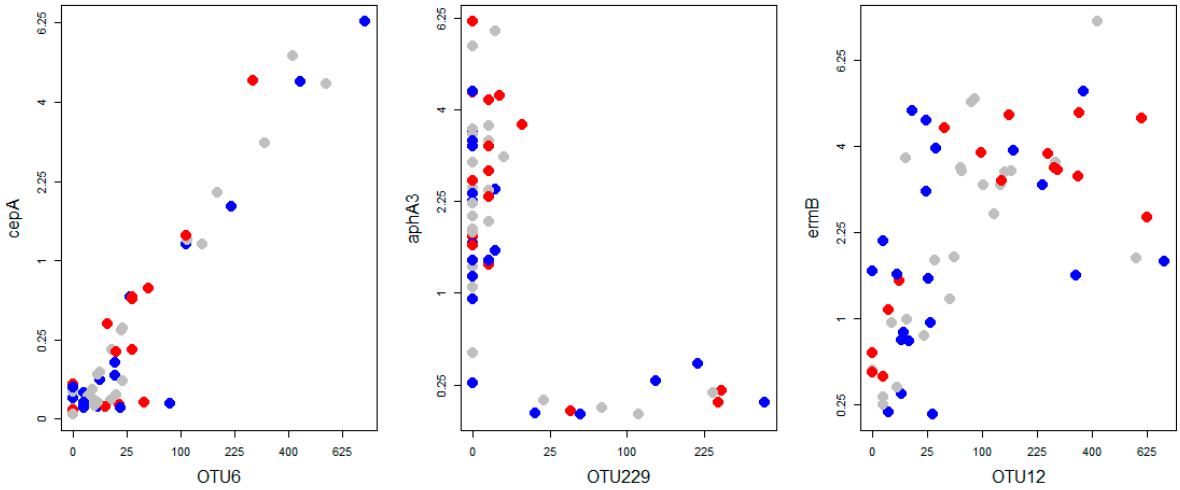


Figure S10: Representative relationships found between OTUs and ARGs for linear (left), co-exclusion (middle), and uncharacterized (right) relationships. The X-axis indicates the number of counts of the OTU and the Y-axis reports the quantification of the antibiotic resistance gene. The points are color-coded for their groups (Red : S1 piglets, blue : S2 piglets, gray : control piglets)

4.3 Distribution of the MIC under real and randomized conditions (Fig S11)

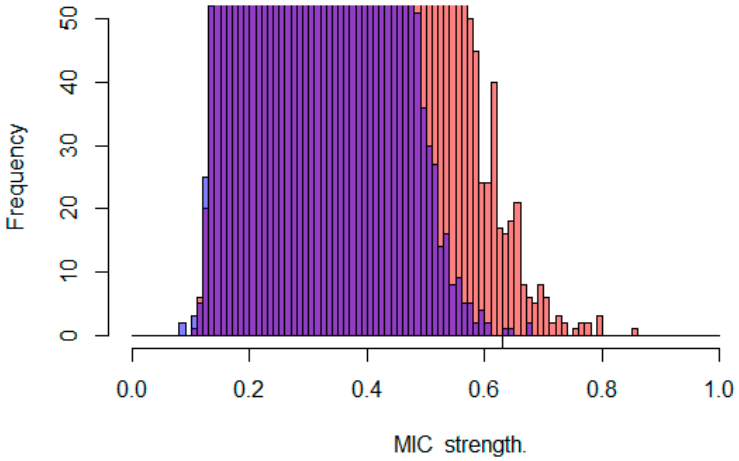


Figure S11 : comparison of the distribution of the maximal information coefficient index in the dataset before and after randomization. The maximal value of the null distribution was set as the significant threshold for the real dataset, i.e. the dataset before randomization (red). The rationale is that the MIC values that were never observed in the randomized dataset (blue) are not an artifact due to the high number of pairwise comparison.

4.4 Network of ARGs and OTUs at weaning (Fig S12)

The statistically significant interactions between ARGs and OTU, i.e. the interactions whose MIC was never observed in the randomized dataset (see List above) are represented below using Gephi 0.9.2.

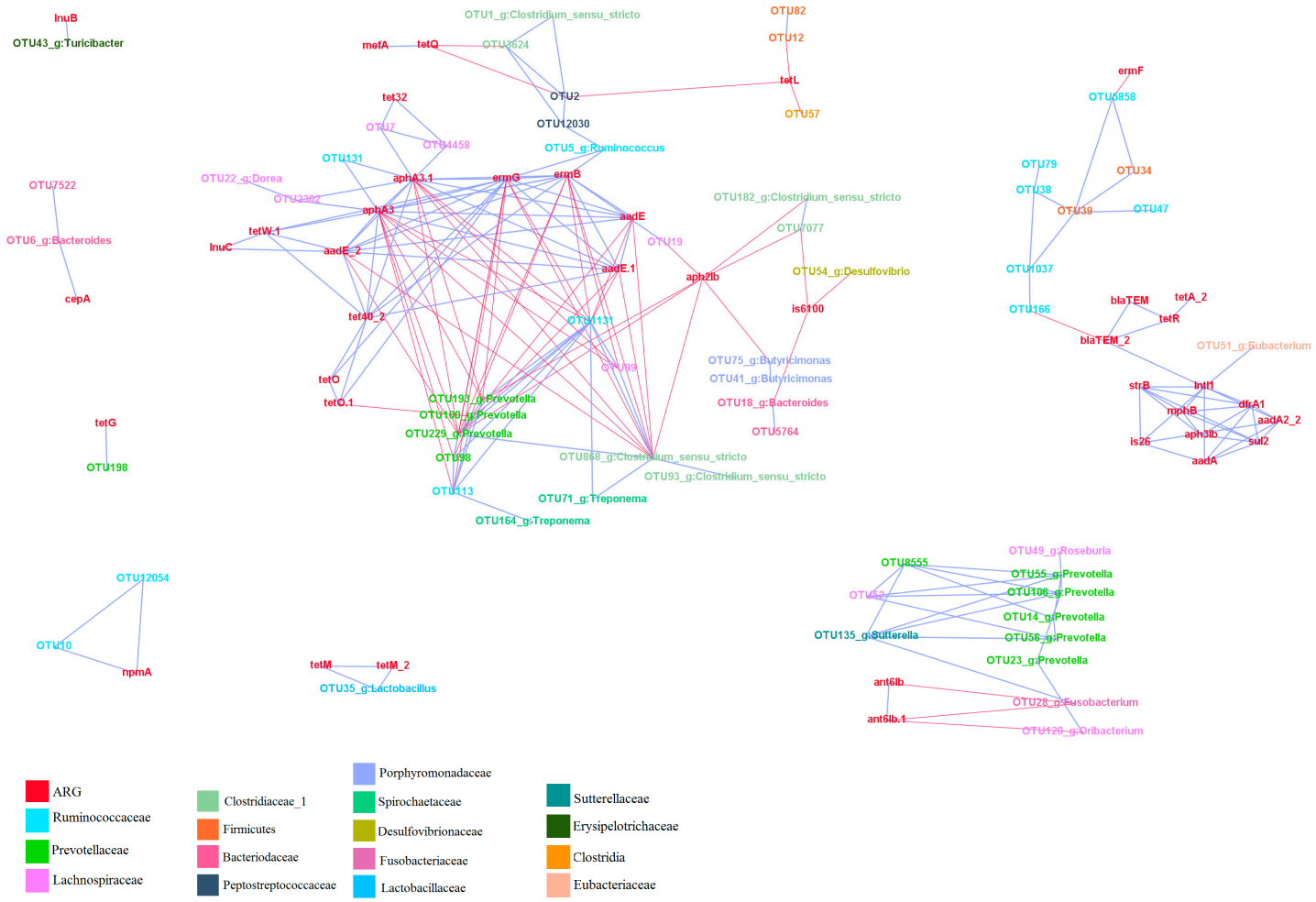


Figure S12 : Network of significant ARGs and OTUs relationships at weaning (excluding relationships between OTUs that were not linked to ARGs at all). The network representation of the non-linear relationships as assessed by the MIC, in which ARGs are indicated by their name in red, OTUs are represented by their number and color-coded by their order. The linear clusters in which at least one ARG is present are represented in blue, and co-exclusive relationships between ARGs and OTUs are represented in red.

5. Technical tables (Table S5)

1.1 Table S5: List of primers used in this paper

Primer in the paper	initial primer name	FWD primer	REV primer	Reference
aac6Im	aac6Im	CGCCCGATGAATGAGGATGA	CACGGTCATCTGTCAGCCAT	This study
aacA.aphD	aacA/aphD	AGAGCCTTGGGAAGATGAAGTTT	TTGATCCATACCATAGACTATCTCATCA	[48]
aadA	aadA	GTTGTGCACGACGACATCATT	GGCTCGAAGATACCTGCAAGAA	[37]
aadA2_2	aadA2_2	CAATGACATTCTTGCGGGTATC	GACCTACCAAGGCAACGCTATG	[37]
aadA9_2	aadA9_2	GGATGCACGCTTGGATGAA	CCTCTAGCGGCCGGAGTATT	[37]
aadE	aadE	TACCTTATTGCCCTTGGAAGAGTTA	GGAACTATGTCCCTTTTAATTCTACAATCT	[48]
aadE.1	aadE	TACCTTATTGCCCTTGGAAGAGTTA	GGAACTATGTCCCTTTTAATTCTACAATCT	[48]
aadE_2	aadE_2	GCTTCGCATGATTTCCTGGC	CCTCCCGGAACAATGCCATA	This study
ant6Ib	ant6-Ib	ACATCCGACAGCACGTTCTT	CGCAGTAATTCCATACGCACA	This study
ant6Ib.1	ant6-Ib	ACATCCGACAGCACGTTCTT	CGCAGTAATTCCATACGCACA	This study
aph2Ib	aph2-Ib	TCAAATCCCTGCGGTAGTGT	CGTCGCTTCATCATATGCAAGG	This study
aphA1	aphA1	TGAACAAGTCTGGAAAGAAATGCA	CCTATTAATTTCCCCTCGTCAAAAA	[37]
aphA3	aphA3	CGGAATTGAAAAAACTGATCGAA	ATACCGGCTGTCCGTCATTT	[37]
aphA3.1	aphA3	CGGAATTGAAAAAACTGATCGAA	ATACCGGCTGTCCGTCATTT	[37]
blaTEM	blaTEM	TTCCTGTTTTTGCTCACCCAG	CTCAAGGATCTTACCGCTGTTG	[49]
blaTEM_2	blaTEM_2	AGCATCTTACGGATGGCATGA	TCCTCCGATCGTTGTCAGAAGT	[37]
cepA	cepA	AGTTGCGCAGAACAGTCCTCTT	TCGTATCTTGCCCGTCGATAAT	[48]
dfrA1	dfrA1	GGAATGGCCCTGATATTCCA	AGTCTTGCGTCCAACCAACAG	[37]
dfrA16	dfrA16	TCGTTTCTGGTGGTGGTGAA	ATGTCTCCATCTCGCTCGAT	This study
ermB	ermB	TAAAGGGCATTTAACGACGAAACT	TTTATACCTCTGTTTGTTAGGGAATTGAA	[48]
ermF	ermF	CAGCTTTGGTTGAACATTTACGAA	AAATTCCTAAAATCACAACCGACAA	[48]
ermG	ermG	ACAAACAGATCACTAGCATTGC	GCGCTATCCACTTTAGGTTTTGG	This study
IntI1	IntI1	TGCCGTGATCGAAATCCAGATCCT	TTTCTGGAAGGCGAGCATCGTTTG	[50]
IntI2	IntI2	TGCTTTTCCCACCCTTACC	GACGGCTACCCTCTGTTATCTC	[51]
is6100	is6100	CCGATCACGGAAAGCTCAAG	GGCTCGCATGACTTCGAATC	[37]
lnuB	lnuB	TGAACATAATCCCCTCGTTTAAAGAT	TAATTGCCCTGTTTCATCGTAAATAA	[48]
lnuC	lnuC	TTTCTTGATGGTGGCTGGGG	TGGGCTCTTGACTGATATCCA	This study
mcr1_2	mcr1_2	TGGCGTTCAGCAGTCATTAT	AGCTTACCCACCGAGTAGAT	[52]
mefA	mefA	CCGTAGCATTGGAACAGCTTTT	AAACGGAGTATAAGAGTGCTGCAA	[37]
MGtetM	MGtetM	GAAGTGCCGCCAAATCCTTT	CTGCATTCCACTTCCCAACG	This study
mphB	mphB	CGCAGCGCTTGATCTTGTAG	TTACTGCATCCATACGCTGCTT	[48]
npmA	npmA	GGTCAGTTTGATCGTGTGCA	TTTCTACCGTCTCCAGTACCCA	This study
str	str	AATGAGTTTTGGAGTGTCTCAACGTA	AATCAAAACCCCTATTAAAGCCAAT	[48]
sul2	sul2	TCATCTGCCAAACTCGTCGTTA	GTCAAAGAACGCCGCAATGT	[37]
tet32	tet32	CCATTACTTCGGACAACGGTAGA	CAATCTCTGTGAGGGCATTTAACA	[48]
tet40_2	tet40_2	TGCTATTGAGGAACGGCAGG	ACAAAGCCCAGGTTGAGCTT	This study
tetA_2	tetA	CTCACCAGCCTGACCTCGAT	CACGTTGTTATAGAAGCCGCATAG	[48]
tetB_2	tetB_2	GCCCAGTGCTGTTGTTGTCAT	TGAAAGCAAACGGCCTAAATACA	[37]
tetG	tetG	TCAACCATTGCCGATTCGA	TGGCCCGGCAATCATG	[37]
tetH	tetH	TTTGGGTCATCTTACCAGCATTAA	TTGCGCATTATCATCGACAGA	[48]
tetL	tetL	ATGGTTGTAGTTGCGCGCTATAT	ATCGCTGGACCGACTCCTT	[37]
tetM	tetM	CATCATAGACACGCCAGGACATAT	CGCCATCTTTTGCAGAAATCA	[48]
tetO	tetO	ATGTGGATACTACAACGCATGAGATT	TGCCTCCACATGATATTTTTCCT	[37]
tetQ	tetQ	CGCCTCAGAAGTAAGTTCATACACTAAG	TCGTTCATGCGGATATTATCAGAAT	[48]
tetR	tetR	CGCGATAGACGCCTTCGA	TCCTGACAACGAGCCTCCTT	[37]
tetT	tetT	CCATATAGAGGTTCCACCAAATCC	TGACCCTATTGGTAGTGGTTCTATTG	[48]
tetW.1	tetW.1	ATGAACATTCCCACCGTTATCTTT	ATATCGGCGGAGAGCTTATCC	[37]
tetX	tetX	AAATTTGTTACCGACACGGAAGTT	CATAGCTGAAAAAATCCAGGACAGTT	[48]
tnpA	tnpA	AATTGATGCGGACGGCTTAA	TCACCAAACTGTTTATGGAGTCGTT	[48]
vanTG	vanTG	CGTGTAGCCGTTCCGTTCTT	CGGCATTACAGGTATATCTGGAAA	[48]

4.5 Identification of samples

ID_R	shortID	sowshortID	sowlongID	SALLE	LOGE	piglet	sex	lot	color	Sampling_date
CA1601001J2	001J2	722	560722	0	0	1	0	S1	BLEU	J2
CA1601002J2	002J2	722	560722	0	0	2	0	S2	JAUNE	J2
CA1601003J2	003J2	722	560722	0	0	3	0	S1	BLEU	J2
CA1601004J2	004J2	722	560722	0	0	4	0	T	BLANC	J2
CA1601005J2	005J2	722	560722	0	0	5	0	T	BLANC	J2
CA1601006J2	006J2	722	560722	0	0	6	0	S1	BLEU	J2
CA1601007J2	007J2	722	560722	0	0	7	0	T	BLANC	J2
CA1601008J2	008J2	722	560722	0	0	8	0	T	BLANC	J2
CA1601009J2	009J2	722	560722	0	0	9	0	S2	JAUNE	J2
CA1601010J2	010J2	722	560722	0	0	10	0	S2	JAUNE	J2
CA1601011J2	011J2	722	560722	0	0	11	0	S1	BLEU	J2
CA160110J1	10J1	722	560722	0	0	10	0	S2	JAUNE	J1
CA160111J1	11J1	722	560722	0	0	11	0	S1	BLEU	J1
CA160112J1	12J1	722	560722	0	0	12	0	S2	JAUNE	J1
CA160112J2	12J2	722	560722	0	0	14	0	T	BLANC	J2
CA1601138J1	138J1	709	560709	15	2	138	M	S2	JAUNE	J1
CA1601138J2	138J2	709	560709	15	2	139	M	S1	BLEU	J2
CA1601139J1	139J1	709	560709	15	2	139	M	S1	BLEU	J1
CA1601140J1	140J1	709	560709	15	2	140	M	S2	BLANC	J1
CA1601140J2	140J2	709	560709	15	2	140	M	S2	BLANC	J2
CA1601141J1	141J1	709	560709	15	2	141	M	S1	BLEU	J1
CA1601141J2	141J2	709	560709	15	2	141	M	S1	BLEU	J2
CA1601142J1	142J1	709	560709	15	2	142	M	T	BLANC	J1
CA1601142J2	142J2	709	560709	15	2	142	M	T	BLANC	J2
CA1601143J1	143J1	709	560709	15	2	143	M	T	BLANC	J1
CA1601143J2	143J2	709	560709	15	2	143	M	T	BLANC	J2
CA1601144J1	144J1	709	560709	15	2	144	F	T	BLANC	J1
CA1601144J2	144J2	709	560709	15	2	144	F	T	BLANC	J2

CA1601145J2	145J2	709	560709	15	2	146	F	T	BLANC	J2
CA1601146J1	146J1	709	560709	15	2	146	F	T	BLANC	J1
CA1601148J1	148J1	709	560709	15	2	148	F	S1	BLEU	J1
CA1601148J2	148J2	709	560709	15	2	148	F	S1	BLEU	J2
CA1601149J1	149J1	709	560709	15	2	149	F	S2	JAUNE	J1
CA1601149J2	149J2	709	560709	15	2	149	F	S2	JAUNE	J2
CA160114J1	14J1	722	560722	0	0	14	0	T	BLANC	J1
CA160114J2	14J2	722	560722	0	0	14	0	T	BLANC	J2
CA1601150J1	150J1	709	560709	15	2	150	F	S1	BLEU	J1
CA1601150J2	150J2	709	560709	15	2	150	F	S1	BLEU	J2
CA1601151J1	151J1	709	560709	15	2	151	F	T	BLANC	J1
CA1601151J2	151J2	709	560709	15	2	151	F	T	BLANC	J2
CA1601152J1	152J1	709	560709	15	2	152	F	S2	JAUNE	J1
CA1601152J2	152J2	709	560709	15	2	152	F	S2	JAUNE	J2
CA1601197J1	197J1	512	230512	15	12	197	M	T	BLANC	J1
CA1601197J2	197J2	512	230512	15	12	197	M	T	BLANC	J2
CA1601198J1	198J1	512	230512	15	12	198	M	T	BLANC	J1
CA1601199J1	199J1	710	560710	15	11	199	M	S1	BLEU	J1
CA1601199J2	199J2	710	560710	15	11	199	M	S1	BLEU	J2
CA16011J1	1J1	722	560722	0	0	1	0	S1	BLEU	J1
CA1601200J2	200J2	710	560710	15	11	200	M	S2	JAUNE	J2
CA1601201J1	201J1	710	560710	15	11	201	M	S1	BLEU	J1
CA1601201J2	201J2	710	560710	15	11	201	M	S1	BLEU	J2
CA1601202J1	202J1	710	560710	15	11	202	M	S2	JAUNE	J1
CA1601202J2	202J2	710	560710	15	11	202	M	S2	JAUNE	J2
CA1601204J1	204J1	710	560710	15	11	204	M	T	BLANC	J1
CA1601204J2	204J2	710	560710	15	11	204	M	T	BLANC	J2
CA1601205J1	205J1	710	560710	15	11	205	M	S1	BLEU	J1
CA1601205J2	205J2	710	560710	15	11	205	M	S1	BLEU	J2
CA1601206J1	206J1	710	560710	15	11	206	F	T	BLANC	J1
CA1601206J2	206J2	710	560710	15	11	206	F	T	BLANC	J2
CA1601207J1	207J1	710	560710	15	11	207	F	S1	BLEU	J1
CA1601207J2	207J2	710	560710	15	11	207	F	S1	BLEU	J2

CA1601208J1	208J1	710	560710	15	11	208	F	S2	JAUNE	J1
CA1601208J2	208J2	710	560710	15	11	208	F	S2	JAUNE	J2
CA1601209J2	209J2	710	560710	15	11	209	F	T	BLANC	J2
CA1601210J1	210J1	710	560710	15	11	210	F	T	BLANC	J1
CA1601210J2	210J2	710	560710	15	11	210	F	T	BLANC	J2
CA1601211J1	211J1	710	560710	15	11	211	F	T	BLANC	J1
CA1601211J2	211J2	710	560710	15	11	211	F	T	BLANC	J2
CA1601212J1	212J1	710	560710	15	11	212	F	S2	JAUNE	J1
CA1601212J2	212J2	710	560710	15	11	212	F	S2	JAUNE	J2
CA1601213J1	213J1	512	230512	15	12	213	M	S1	BLEU	J1
CA1601213J2	213J2	512	230512	15	12	213	M	S1	BLEU	J2
CA1601214J1	214J1	512	230512	15	12	214	M	S2	JAUNE	J1
CA1601214J2	214J2	512	230512	15	12	214	M	S2	JAUNE	J2
CA1601215J1	215J1				sow512			sow512		J1
CA1601216J1	216J1	512	230512	15	12	216	M	S1	BLEU	J1
CA1601216J2	216J2	512	230512	15	12	216	M	S1	BLEU	J2
CA1601217J1	217J1	512	230512	15	12	217	M	S2	JAUNE	J1
CA1601217J2	217J2	512	230512	15	12	217	M	S2	JAUNE	J2
CA1601218J1	218J1	512	230512	15	12	218	F	T	BLANC	J1
CA1601218J2	218J2	512	230512	15	12	218	F	T	BLANC	J2
CA1601219J1	219J1	512	230512	15	12	219	F	S1	BLEU	J1
CA1601219J2	219J2	512	230512	15	12	219	F	S1	BLEU	J2
CA1601220J1	220J1	512	230512	15	12	220	F	T	BLANC	J1
CA1601220J2	220J2	512	230512	15	12	220	F	T	BLANC	J2
CA1601221J1	221J1	512	230512	15	12	221	F	T	BLANC	J1
CA1601221J2	221J2	512	230512	15	12	221	F	T	BLANC	J2
CA1601222J1	222J1	512	230512	15	12	222	F	T	BLANC	J1
CA1601222J2	222J2	512	230512	15	12	222	F	T	BLANC	J2
CA1601223J1	223J1	512	230512	15	12	223	F	S2	JAUNE	J1
CA1601223J2	223J2	512	230512	15	12	223	F	S2	JAUNE	J2
CA16012J1	2J1	722	560722	0	0	2	0	S2	JAUNE	J1
CA16013J1	3J1	722	560722	0	0	3	0	S1	BLEU	J1
CA16014J1	4J1	722	560722	0	0	4	0	T	BLANC	J1

CA1601512J0	512J0				sow512			sow512		J0
CA1601512J2	512J2				sow512			sow512		J2
CA16015J1	5J1	722	560722	0	0	5	0	T	BLANC	J1
CA16016J1	6J1	722	560722	0	0	6	0	S1	BLEU	J1
CA1601709J0	709J0				sow709			sow709		J0
CA1601709J1	709J1				sow709			sow709		J1
CA1601709J2	709J2				sow709			sow709		J2
CA1601710J0	710J0				sow710			sow710		J0
CA1601710J1	710J1				sow710			sow710		J1
CA1601710J2	710J2				sow710			sow710		J2
CA1601722J0	722J0				sow722			sow722		J0
CA1601722J1	722J1				sow722			sow722		J1
CA1601722J2	722J2				sow722			sow722		J2
CA16017J1	7J1	722	560722	0	0	7	0	T	BLANC	J1
CA16018J1	8J1	722	560722	0	0	8	0	T	BLANC	J1
CA16019J1	9J1	722	560722	0	0	9	0	S2	JAUNE	J1
CA1601D206	D206		0		Donor206					
CA1601D268	D268		0		Donor268					

4.6 OTU table

The sequences used to produce the data below were submitted to NCBI's SRA archive[with accession number SRP124929.

#OTU ID CA1601001J2_AACGCA_L001_R CA1601002J2_TTCGAG_L001_R
CA1601003J2_AAGCTA_L001_R CA1601004J2_AGTTTG_L001_R
CA1601005J2_TCCCCA_L001_R CA1601006J2_AACTAG_L001_R
CA1601007J2_GTTCGC_L001_R CA1601008J2_TGCCTT_L001_R
CA1601009J2_ATAAGA_L001_R CA1601010J2_CACACT_L001_R
CA1601011J2_ACAGTT_L001_R CA160110J1_GTCCTA_L001_R
CA160111J1_ACGGTA_L001_R CA160112J1_ACACCG_L001_R
CA160112J2_AAACAA_L001_R CA1601138J1_CAGTCT_L001_R
CA1601138J2_CGAGAA_L001_R CA1601139J1_TTAAAT_L001_R
CA1601140J1_AATTGC_L001_R CA1601140J2_CCGGGT_L001_R
CA1601141J1_ACTCGA_L001_R CA1601141J2_GTCATT_L001_R
CA1601142J1_GTTACC_L001_R CA1601142J2_CAGGAC_L001_R

CA1601143J1_CAGATG_L001_R CA1601143J2_TAAGAC_L001_R

CA1601144J1_TCGCGC_L001_R CA1601144J2_AGTTGA_L001_R

CA1601145J2_GTTAGT_L001_R CA1601146J1_TAACTT_L001_R

CA1601148J1_CTGTAA_L001_R CA1601148J2_CCAGCC_L001_R

CA1601149J1_CCATTG_L001_R CA1601149J2_AGCGGT_L001_R

CA160114J1_AGTATT_L001_R CA160114J2_AGGGAT_L001_R

CA1601150J1_TAGGCT_L001_R CA1601150J2_GCTCAA_L001_R

CA1601151J1_TTCTTG_L001_R CA1601151J2_TCCATT_L001_R

CA1601152J1_CCGACC_L001_R CA1601152J2_ACCTCA_L001_R

CA1601197J1_TTCAAC_L001_R CA1601197J2_CATGTT_L001_R

CA1601198J1_ACGAAT_L001_R CA1601199J1_CAGAGC_L001_R

CA1601199J2_GGTATA_L001_R CA16011J1_GGAGGT_L001_R

CA1601200J2_GTGCTG_L001_R CA1601201J1_TCTATG_L001_R

CA1601201J2_CCCTCC_L001_R CA1601202J1_GGACGG_L001_R

CA1601202J2_GAGAAC_L001_R CA1601204J1_GAGTTG_L001_R

CA1601204J2_TGGTGT_L001_R CA1601205J1_CGCACA_L001_R

CA1601205J2_AGAGGG_L001_R CA1601206J1_AATTCT_L001_R

CA1601206J2_ATGAAC_L001_R CA1601207J1_GGAAGA_L001_R

CA1601207J2_TACCTG_L001_R CA1601208J1_CTAGGA_L001_R

CA1601208J2_CTAGAG_L001_R CA1601209J2_GAGATA_L001_R

CA1601210J1_TGACCT_L001_R CA1601210J2_ATGCTT_L001_R

CA1601211J1_CAGTTC_L001_R CA1601211J2_GCATAC_L001_R

CA1601212J1_TGCAGT_L001_R CA1601212J2_CCCAAA_L001_R

CA1601213J1_AATGAA_L001_R CA1601213J2_CTACGC_L001_R

CA1601214J1_TGCCAG_L001_R CA1601214J2_CTCTAC_L001_R

CA1601215J1_CACTGT_L001_R CA1601216J1_GTGCCA_L001_R

CA1601216J2_ACTACT_L001_R CA1601217J1_AAATGT_L001_R

CA1601217J2_ACCGTG_L001_R CA1601218J1_GTGACG_L001_R

CA1601218J2_CCTCTT_L001_R CA1601219J1_GGTCCG_L001_R

CA1601219J2_GTAGAA_L001_R CA1601220J1_AACTTA_L001_R

CA1601220J2_TGGGTA_L001_R CA1601221J1_TGTGAG_L001_R

CA1601221J2_CTGAGG_L001_R CA1601222J1_CAACGA_L001_R

CA1601222J2_TCATCA_L001_R CA1601223J1_AAGGTG_L001_R

	CA1601223J2_CTTGCA_L001_R	CA16012J1_GCATGG_L001_R												
	CA16013J1_CTGCAC_L001_R	CA16014J1_TTTCCG_L001_R	CA1601512J0_CAATGC_L001_R											
	CA1601512J2_GATGCT_L001_R	CA16015J1_GACTCG_L001_R												
	CA16016J1_AATGGT_L001_R	CA1601709J0_GCAATA_L001_R												
	CA1601709J1_TTGCCC_L001_R	CA1601709J2_AGCCCT_L001_R												
	CA1601710J0_CAATTA_L001_R	CA1601710J1_TTAGCT_L001_R												
	CA1601710J2_CCCGAG_L001_R	CA1601722J0_TGTTCG_L001_R												
	CA1601722J1_GGATTC_L001_R	CA1601722J2_TGGATT_L001_R												
	CA16017J1_GTAACA_L001_R	CA16018J1_GAGAGG_L001_R												
	CA16019J1_CAGGCG_L001_R	CA1601D206_CTACCG_L001_R												
	CA1601D268_CCAACA_L001_R													
OTU6	609	389	40	24	778	148	190	565	35	26	1038	1	260	230
	709	543	6	1439	3953	39	414	0	3185	27	603	4	152	14
	7	1732	129	2	1848	35	778	909	92	1	3270	2	2994	0
	5	155	1141	4	1	1889	59	3	8	3	0	1	262	4
	306	5	17	0	2	3	60	0	2	10	2	0	5	0
	4	20	414	20	1180	1388	1	970	151	1506	6	525	17	84
	5	1303	31	179	446	6	9	75	605	282	0	5	204	107
	0	20	0	0	4	0	20	103	25	40	1247	103	0	0
OTU2	708	320	193	941	840	1133	982	458	248	1311	795	1544	689	565
	1136	96	23	250	272	932	141	36	4	49	78	549	276	446
	15	193	24	41	219	162	859	1537	49	115	57	1451	357	1188
	207	17	120	65	770	529	1431	17	12	224	36	14	1039	2
	1204	53	1163	44	29	11	65	25	54	25	43	1027	77	40
	354	689	190	330	326	154	300	472	1124	63	159	163	707	750
	226	153	450	790	1500	388	1612	295	211	476	404	865	119	300
	94	89	364	69	57	78	495	267	439	620	323	70	695	301
OTU11	1500	32	13	9	254	54	314	462	33	81	196	250	337	26
	247	1322	18	455	665	10	74	3	1117	46	1378	7	232	5
	15	681	997	7	1131	124	250	973	1146	10	1656	6	628	0
	74	6	258	2	0	909	6	4	6	7	12	1	54	5
	14	3	6	1	17	3	33	24	9	19	5	1	4	1
	7	85	783	0	749	247	3	605	30	829	12	297	6	8

1	654	16	32	419	10	12	104	237	777	5	6	523	627
10	26	12	5	5	12	3	49	25	184	482	845	8	7
OTU110	38	8	1	6	0	42	76	3	81	0	0	0	0
0	67	0	13	0	0	50	0	0	0	3	0	98	2
40	9	0	0	38	0	3	0	1	0	4	0	51	0
17	0	5	102	10	27	0	46	6	12	7	4	0	6
1	23	9	19	0	0	2	5	10	0	0	0	40	3
2	1	2	2	77	7	0	10	2	1	1	16	16	45
0	8	1	89	2	2	1	8	0	0	0	0	1	0
0	0	0	0	0	0	0	1	0	0	5	0	2	0
0													
OTU111	41	15	1	0	36	98	155	37	18	0	0	0	0
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0	0	0	0	0	0	1	0	24	0	0	0	0	0
0	0	0	6	13	4	0	29	3	0	2	0	0	2
0	0	0	45	3	4	0	1	23	0	5	1	24	0
1	0	10	9	34	1	0	3	0	0	0	41	0	1
15	27	0	0	0	197	5	27	0	0	0	0	0	1
0	0	0	0	0	0	0	0	0	0	0	0	1	0
0													
OTU68	521	26	2	0	0	0	99	82	0	0	2	0	15	0
0	0	2	12	11	4	47	0	0	247	0	0	1	0
0	0	19	3	0	48	0	193	1	5	669	2	1	0
1	20	44	2	0	43	0	0	2	0	0	0	3	0
0	0	0	5	2	0	1	0	0	6	2	1	5	4
0	5	13	0	0	0	0	0	0	4	5	3	0	1
1	0	11	0	0	0	0	155	12	1	0	0	1	5
0	1	7	0	0	0	0	17	3	3	132	1	0	0
OTU5	921	662	23	1233	1055	1722	1311	836	489	4	244	1	38	4
247	6	21	33	43	67	18	8	8	25	59	1013	4159	127
2	77	227	52	37	210	4	893	1	20	227	476	230	315
1	10	202	322	1178	38	948	28	36	205	111	0	844	0
233	68	2464	14	40	85	62	69	37	3	727	1919	0	47

	0	121	202	1809	378	78	53	0	891	984	44	13	791	29
	491	8	949	0	1287	1374	86	29	10	47	0	3	14	215
	1	1	1	0	2	2	2	4	4	24	22	1	0	0
OTU7	1143	1244	1724	5	17	34	1262	897	1211	1889	0	2	2	16
	791	0	12	0	0	2694	0	2	0	3	1	4	0	1258
	1	1	0	5	1	0	0	2	0	1	0	121	0	1374
	0	32	0	0	33	0	101	2	26	6	712	0	0	0
	478	0	231	0	18	0	29	146	0	14	0	91	0	38
	0	10	0	734	0	0	31	0	2212	0	1054	0	1653	0
	128	0	2003	0	3010	0	556	0	1	0	0	15	0	0
	0	0	1	0	0	0	0	0	1	1	0	0	0	0
OTU162		152	33	1	0	0	70	0	11	1	23	0	0	0
	0	8	0	0	0	0	0	0	0	0	0	0	0	2
	0	0	0	0	0	0	0	0	8	0	0	1	1	0
	2	0	0	0	0	0	0	2	0	0	0	0	0	10
	0	11	0	1	0	0	0	0	1	0	1	0	0	0
	0	0	100	0	23	0	0	0	0	63	41	2	0	1
	0	2	0	24	0	2	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	0													
OTU6831		2	2	3	2	4	0	0	0	2	5	2	1	0
	3	2	2	0	4	1	0	0	1	1	0	0	3	1
	0	1	2	0	1	0	0	0	1	0	1	3	2	3
	1	0	2	1	2	0	0	0	0	4	0	0	1	0
	1	0	0	0	2	1	0	0	1	0	1	2	3	0
	2	1	1	1	6	1	0	4	1	0	1	5	0	2
	1	2	2	1	0	8	1	1	1	0	2	0	1	1
	0	0	2	1	2	0	0	3	0	0	1	0	1	2
	3													
OTU13	437	76	162	127	58	80	75	485	296	287	30	211	39	30
	133	117	1	152	9	272	12	8	18	8	90	121	177	63
	3	51	87	10	190	14	3	23	1462	1078	0	689	79	315
	224	3	529	195	120	62	34	5	140	219	9	28	20	5

	166	6	421	68	33	33	234	23	2	7	1917	71	1	13
	620	43	45	315	1309	360	14	297	92	248	313	521	115	46
	125	15	101	77	66	946	507	2	174	9	390	386	109	31
	193	21	724	571	191	48	238	456	395	225	126	389	97	440
OTU47	64	66	491	98	107	118	166	304	285	295	8	296	8	7
	191	62	74	45	22	552	302	25	0	13	18	189	22	86
	25	26	35	45	12	83	151	24	73	44	3	168	32	126
	247	5	93	85	133	9	53	5	23	254	22	26	31	2
	123	56	294	22	6	32	8	43	17	3	13	160	25	23
	47	111	88	377	6	14	60	286	63	12	92	41	102	48
	94	54	183	62	37	21	148	0	265	128	65	36	84	56
	67	26	60	30	42	26	91	22	48	53	72	132	142	69
OTU887		31	18	29	20	67	32	16	33	46	62	22	21	9
	24	100	35	19	58	24	13	28	17	26	12	22	18	21
	12	12	58	33	17	24	10	26	12	25	19	32	67	28
	26	24	38	27	30	16	10	9	44	90	5	18	9	10
	21	14	31	32	15	22	15	26	30	22	28	18	33	11
	80	42	32	13	68	15	14	76	15	15	10	130	13	20
	33	22	11	11	18	46	10	25	13	19	33	20	22	8
	8	21	28	21	30	23	16	23	18	23	13	19	11	27
	125													
OTU981		468	285	374	45	4	345	262	179	138	64	17	67	10
	32	61	106	1	31	18	39	15	1	140	85	260	5	32
	31	1	142	42	2	544	16	77	198	14	12	50	22	3
	159	596	4	116	0	120	31	202	3	0	7	1	0	318
	2	360	1	96	2	4	5	0	0	12	5	1	15	58
	4	0	378	408	122	290	13	0	103	205	1	6	153	3
	188	32	8	316	169	9	8	8	8	73	14	0	8	96
	8	0	1	1	0	0	0	703	14	29	46	83	161	2
	0													
OTU34	95	10	102	234	183	61	228	48	66	96	54	234	50	69
	182	221	1	50	87	46	26	0	60	5	3	11	9	19
	0	40	29	8	19	0	206	63	273	0	0	12	7	112

	325	1	49	2	3	14	6	0	0	2	0	10	62	0
	149	0	26	1	1	4	2	1	1	1	1	40	1	1
	15	95	86	78	58	25	4	88	78	176	3	199	15	38
	6	27	38	328	23	23	12	11	544	355	41	27	18	19
	37	39	16	11	1	5	45	36	54	336	230	293	21	18
OTU18	329	181	107	71	7	145	791	284	106	26	13	60	97	83
	301	70	704	1458	42	18	270	931	1161	2427	1208	49	91	11
	1129	71	67	1441	991	332	30	1066	545	311	616	18	16	10
	21	1105	206	217	41	634	21	398	311	105	402	582	711	344
	218	1004	50	282	99	484	247	79	677	435	252	13	418	325
	1	603	213	7	314	679	10	161	107	523	5	146	28	53
	395	193	117	185	243	693	8	334	18	13	0	1	9	5
	0	1	19	0	1	0	268	4	3	97	49	177	0	1
OTU12	054	47	0	77	186	175	57	0	42	0	2	10	7	4
	2	1	16	0	0	0	0	125	0	3	79	1	66	52
	1	2	2	24	5	5	112	76	38	0	3	11	3	9
	0	6	16	23	51	50	18	18	8	5	11	4	0	0
	0	10	2	93	25	1	24	6	12	2	0	178	3	22
	13	0	4	41	0	4	24	0	10	0	3	4	58	35
	0	6	76	3	186	1	21	0	11	9	32	0	0	24
	77	0	0	3	0	1	0	0	0	0	0	9	15	0
	0													
OTU849		27	17	30	24	38	26	18	29	42	43	33	15	10
	19	47	21	13	53	39	8	23	15	26	12	19	12	18
	13	7	41	27	14	22	8	19	10	17	13	26	46	22
	22	21	33	23	14	21	9	9	25	37	10	10	9	11
	17	20	35	22	15	21	12	28	47	16	34	9	31	14
	42	19	30	8	58	15	9	53	18	23	11	83	9	26
	19	18	8	13	16	55	19	24	11	14	25	14	20	11
	6	21	19	15	22	32	13	27	7	22	11	7	11	13
	68													
OTU21	801	739	213	10	129	553	193	45	180	173	5	11	2	0
	843	2	25	8	0	269	6	123	4	22	28	661	35	45

	77	2	238	504	0	245	1	25	5	371	0	350	0	22
	0	4	3	56	253	10	465	9	83	33	25	5	165	6
	97	192	653	10	58	42	48	95	1	38	165	229	5	66
	7	892	187	22	5	93	76	4	55	149	207	3	46	32
	602	0	14	3	90	158	1273	0	1	0	2	2	11	0
	2	58	33	13	24	82	1	15	22	0	4	3	15	4
OTU10	671	248	929	1637	1955	688	216	917	384	159	106	186	69	134
	406	409	60	3	274	89	1211	38	6	865	13	547	513	116
	48	84	304	184	69	1101	740	448	25	345	95	119	239	425
	695	143	540	522	488	248	319	69	142	138	72	52	199	25
	276	26	735	258	16	208	96	104	47	6	1487	154	236	173
	121	310	405	57	629	289	49	1359	111	94	58	1371	379	22
	77	754	985	1764	78	640	92	604	155	296	91	197	290	759
	130	47	91	82	62	43	153	110	164	675	297	306	125	53
OTU45	146	374	132	55	179	143	6	18	107	25	39	247	364	198
	56	236	184	111	74	45	381	142	53	239	68	54	387	10
	218	4	74	202	252	665	142	10	113	7	46	145	207	21
	66	99	105	318	50	650	143	188	114	285	9	288	38	133
	39	144	96	210	66	168	149	58	138	47	710	9	292	141
	290	83	103	35	61	295	183	414	59	670	37	230	10	495
	45	152	43	282	5	207	20	44	468	198	0	45	16	230
	0	53	62	76	63	8	0	175	193	217	667	326	342	121
OTU126		1	14	12	77	9	1	4	0	31	12	0	5	0
	1	1	4	0	4	1	2	24	0	0	4	33	95	0
	24	0	0	0	0	0	1	0	1	0	0	0	13	0
	27	65	0	6	1	1	0	1	0	33	0	2	48	0
	0	12	1	33	0	0	2	15	3	0	0	0	2	0
	1	10	10	24	9	5	1	0	24	5	0	4	35	13
	96	0	0	105	21	2	67	4	0	0	4	37	27	0
	55	29	15	23	15	4	42	14	5	18	3	0	112	7
	16													
OTU79	44	0	51	1	176	99	60	17	82	35	1	4	1	3
	33	0	1	0	4	165	4	0	0	1	0	9	0	11

	0	7	0	0	0	4	1	1	0	3	0	163	9	3
	8	2	1	4	28	4	99	0	1	3	1	0	22	0
	120	0	15	2	2	3	2	3	0	1	2	53	0	1
	28	95	1	106	0	0	4	1	65	12	13	2	113	1
	7	1	47	2	31	0	22	6	0	0	13	20	3	1
	29	29	20	21	10	7	23	8	72	6	2	0	12	19
OTU1	958	353	408	2200	677	1252	616	399	150	873	741	2117	312	154
	1055	734	35	1211	44	711	348	77	40	182	159	166	227	357
	9	39	113	64	982	169	1369	3426	274	109	519	576	0	465
	411	25	208	350	1437	807	2776	17	17	946	97	74	6717	38
	3779	287	964	195	22	56	59	45	141	13	300	605	149	26
	617	91	277	276	569	144	81	694	934	80	119	469	585	765
	67	259	395	1214	926	198	800	147	848	1251	879	1203	675	1720
	125	29	418	63	12	61	654	430	657	1192	1296	344	932	249
OTU65	84	64	0	81	54	9	0	105	88	33	15	4	1	3
	58	147	65	1	3	123	228	11	1	219	116	10	0	22
	23	74	47	391	36	148	33	44	0	39	0	12	17	22
	39	24	57	115	17	245	3	0	20	6	0	8	12	0
	1	2	33	45	5	141	5	7	52	2	9	4	49	12
	12	18	77	3	30	20	3	85	0	181	7	21	2	23
	9	2	30	63	7	76	15	56	2	92	3	34	0	39
	10	43	54	7	20	5	18	17	47	71	103	139	26	34
OTU115		3	2	12	6	17	3	2	11	19	3	2	5	4
	9	1	4	1	8	5	4	61	0	3	3	1	3	7
	5	0	1	5	3	0	6	18	0	0	4	2	2	3
	3	269	0	8	6	2	11	9	0	0	28	0	1	57
	0	14	2	9	4	0	0	2	0	2	0	28	7	1
	0	1	19	36	5	7	3	1	40	0	9	2	49	2
	75	7	36	42	83	4	31	2	0	90	30	1	8	0
	41	1	2	2	1	3	2	8	5	5	16	19	9	13
	0													
OTU143		44	0	0	0	0	1	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	6	1825	0	3	0	0	0

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	0	0	0	0	26	0	1	0	0	79	12	0	1	6
	0	0	34	1	161	52	0	14	5	44	17	0	6	57
	471	0	1	1	0	0	2	11	0	0	0	0	0	0
	0	39	0	0	0	1	0	0	0	0	0	0	0	0
	23	0	0	0	0	0	0	0	0	0	0	0	10	0
	0													
OTU8	40	24	6	116	67	2	39	11	5	22	2338	282	1943	3429
	94	252	6	601	889	449	258	5	50	17	249	60	90	1
	0	1660	145	3	1324	4	1247	605	141	3	629	8	3817	2
	819	23	445	52	34	1347	80	8	0	158	8	40	349	24
	76	81	130	39	1	37	114	3	41	1	102	30	33	10
	906	16	1512	59	185	1718	10	1302	18	649	14	483	100	2643
	5	1515	13	3380	66	303	54	2530	140	1323	1229	191	511	911
	1571	18	317	150	6	86	38	121	58	885	726	89	16	226
OTU14	104	603	559	149	24	201	13	38	111	80	11	90	17	7
	4	61	353	136	6	256	1197	427	22	298	15	624	245	1469
	2377	10	182	173	157	588	110	0	156	2520	69	198	38	308
	7	869	346	2094	157	240	42	2044	809	2245	2330	3289	0	1700
	3	379	291	1733	1847	1620	880	4142	711	991	519	146	490	865
	15	19	215	107	66	210	2364	740	102	173	2341	779	600	1225
	1998	218	9	256	3	1346	14	5	487	26	0	2	14	163
	0	63	22	11	32	20	17	19	25	547	16	128	35	3
OTU8	176	1	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													

OTU134	30	9	3	0	0	4	39	2	8	31	2	0	1
7	90	14	1	51	8	7	0	0	16	1	129	16	53
4	1	0	3	28	32	1	0	3	41	5	83	26	185
24	0	0	19	6	84	4	50	0	5	8	37	0	3
0	19	0	6	2	15	0	5	28	0	2	0	50	0
6	1	3	0	9	18	0	3	1	2	12	0	2	2
1	0	41	60	2	68	0	2	0	0	5	0	0	2
0	1	0	0	1	1	0	0	0	1	0	0	0	0
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OTU323	20	13	0	0	0	5	0	0	0	0	0	0	0
0	0	1	0	0	0	8	8	1	1	1	49	1	6
4	0	0	0	4	1	4	0	0	4	29	1	3	0
2	0	0	0	0	9	0	7	0	0	0	0	0	3
0	30	2	0	2	1	0	2	2	0	0	4	2	0
1	0	14	0	2	0	0	0	0	5	0	0	0	0
0	16	0	0	0	0	0	1	0	2	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0	0	0	0
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OTU1009	8	1	0	4	9	10	12	1	3	0	1	0	0
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3	0	0	0	0	0	0	0	25	0	1	0	18	1
9	0	0	1	0	17	0	17	0	0	1	1	0	14
0	7	0	17	0	0	1	0	0	0	0	0	16	0
0	0	0	0	5	0	0	0	0	9	2	0	0	9
0	1	0	8	0	15	7	2	0	0	0	0	0	0
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OTU54	99	133	107	29	10	69	171	86	87	119	38	75	121	62
41	247	132	17	173	135	195	120	74	154	82	233	82	118
43	89	62	91	75	86	83	52	76	92	65	76	102	94
115	112	62	94	116	53	91	71	94	105	70	62	80	26
150	41	85	50	36	32	87	59	65	54	89	88	27	84
18	95	42	88	87	47	235	61	123	14	45	73	154	47

	88	73	86	16	74	34	7	35	100	124	17	19	98	142
	15	4	21	3	0	0	7	8	7	81	64	88	21	10
OTU29	190	4	19	13	111	138	271	45	170	136	2	4	0	1
	155	1	43	0	0	211	3	41	0	24	1	84	0	126
	76	0	1	127	0	62	3	37	1	21	1	358	0	181
	0	30	2	73	1174	1	96	15	64	35	93	5	27	2
	37	85	464	16	67	5	129	108	56	29	49	868	22	37
	28	51	4	26	2	1	178	8	156	31	130	4	389	13
	49	6	212	14	77	60	235	47	0	3	29	26	7	0
	84	339	241	106	66	213	87	85	100	16	12	4	82	74
OTU12	212	1	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU134	6	9	12	1	3	0	5	6	13	0	1	6	0	19
	3	7	5	2	11	4	0	7	5	3	30	14	0	1
	1	5	0	8	21	10	21	4	4	8	2	0	6	1
	0	0	5	13	9	0	12	0	2	1	3	0	7	1
	4	4	11	0	4	4	2	1	0	6	4	13	0	1
	4	0	1	15	5	41	51	5	4	1	49	0	9	0
	1	8	15	3	7	2	7	0	11	0	0	0	0	2
	6	0	0	0	0	0	0	0	0	0	9	1	8	0
	0													
OTU215		10	21	1	2	1	4	2	11	1	0	5	8	26
	2	6	1	7	11	3	1	7	0	3	35	15	1	0
	2	8	0	3	32	13	35	2	9	3	4	2	2	1
	0	1	6	13	7	0	9	0	2	4	2	0	5	4
	9	3	9	0	7	3	4	5	0	15	4	19	0	2

	13	0	0	21	2	47	72	13	16	0	63	0	5	0
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	0													
OTU11031	1	0	0	0	0	0	0	0	0	0	0	0	0	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0													
OTU19	460	266	460	519	163	876	275	688	44	416	40	1	4	1
	275	36	29	209	18	468	158	44	6	32	20	765	1206	145
	57	14	641	199	113	59	7	136	184	23	10	44	0	116
	9	27	271	113	830	1	41	103	267	430	87	15	138	0
	176	67	339	23	47	58	89	56	24	66	51	324	32	37
	7	331	23	15	14	104	204	40	62	592	66	22	640	797
	73	35	45	58	98	336	1280	5	5	48	5	1	32	133
	12	45	15	25	40	11	14	18	9	114	25	33	8	1
OTU25	219	925	195	397	649	761	10	198	67	52	35	273	6	117
	327	8	118	1	8	86	154	11	6	30	73	239	3	13
	27	373	489	1	134	102	835	144	337	176	130	85	579	16
	52	30	390	2	34	655	51	15	6	282	18	9	71	10
	7	2	143	29	18	36	10	12	4	13	64	34	183	16
	48	210	848	4	6	220	50	823	100	145	11	411	15	38
	40	1040	144	225	13	744	33	359	295	440	28	52	4	1365
	57	27	21	21	19	9	53	81	54	556	556	1041	27	36
OTU409	2	1	3	0	3	8	5	2	4	1	0	5	1	
	9	0	3	3	0	1	5	2	14	0	15	1	11	4
	2	0	0	0	0	3	13	24	5	0	50	0	2	1
	3	0	0	0	8	16	4	2	0	2	5	1	0	5

	2	0	2	3	3	4	0	1	4	2	3	14	2	13
	2	8	1	10	0	0	1	7	0	9	2	1	3	1
	9	5	10	0	0	1	4	3	4	8	5	5	4	16
	19	5	52	29	34	41	84	14	10	3	9	3	24	7
	22													
OTU22	194	163	454	632	410	299	214	1126	178	186	40	52	57	60
	189	22	28	99	2	93	132	124	10	19	1	174	58	405
	27	33	660	23	41	143	10	207	3	52	4	91	22	57
	19	98	154	186	85	6	1065	77	220	119	81	29	98	28
	472	70	227	30	31	45	214	158	83	224	330	487	53	56
	16	219	509	423	18	4	53	28	788	19	139	43	218	243
	92	115	1015	147	425	563	131	6	81	25	1	14	38	115
	10	135	28	4	53	9	18	4	23	8	11	221	14	36
OTU868		28	89	10	4	6	28	96	3	39	47	2	7	0
	0	16	0	0	2	0	13	1	0	0	5	3	1	7
	0	0	0	0	1	3	1	1	15	0	14	0	17	0
	43	2	4	4	0	5	0	60	1	2	2	1	3	5
	0	13	2	3	0	1	7	0	27	0	4	2	4	0
	1	1174	23	0	13	0	0	20	1	119	32	19	1	13
	4	19	1	67	5	7	1	53	0	0	0	1329	3016	1
	1	149	260	810	226	153	326	1702	668	914	0	1	0	2173
	882													
OTU2302		41	18	43	61	30	6	12	74	16	38	2	2	9
	1	39	1	5	63	0	18	12	23	1	2	0	27	4
	51	7	2	50	2	2	23	2	24	0	8	1	13	1
	21	3	7	17	10	13	0	86	6	31	5	33	5	9
	2	17	10	13	5	6	1	31	20	5	29	29	32	4
	4	2	8	49	10	4	2	3	3	56	3	11	2	32
	33	14	12	65	19	44	51	7	12	3	3	0	0	4
	15	1	4	2	1	4	2	0	1	0	1	2	7	0
	0													
OTU421		17	24	33	33	16	13	8	11	89	24	22	22	75
	9	4	11	79	23	4	50	56	40	0	14	0	32	0

	29	5	0	0	32	13	147	3	3	1	150	4	13	71
	2	1	1	0	41	21	0	5	8	4	32	104	17	0
	10	2	39	5	20	19	0	1	8	44	1	104	32	23
	6	6	0	234	0	18	1	4	0	17	1	6	1	6
	0	10	29	0	0	0	34	8	2	18	18	0	3	54
	46	0	2	37	11	5	12	0	16	6	41	1	10	10
	7													
OTU59	30	9	8	0	78	11	141	8	95	68	4	7	3	2
	57	7	113	8	4	42	7	210	1	71	3	648	39	52
	103	36	11	137	9	156	5	24	1	398	1	390	9	89
	1	135	0	99	15	0	57	83	55	104	181	4	9	35
	13	109	181	22	277	51	134	86	44	57	20	410	49	69
	133	167	55	69	12	2	115	34	77	2	172	18	173	0
	349	10	319	12	39	9	146	2	3	1	7	11	7	0
	19	129	101	35	97	290	20	50	30	15	4	5	33	32
OTU39	239	113	389	251	435	69	203	323	289	218	88	152	141	27
	127	275	15	270	110	339	293	8	10	3	61	39	11	359
	5	20	200	15	67	11	59	80	464	14	44	67	43	302
	142	11	619	2	71	51	77	2	3	45	57	36	15	0
	160	6	172	0	7	14	13	24	2	8	0	210	8	12
	86	699	188	508	274	203	34	142	407	115	90	1033	222	7
	98	92	311	456	232	247	52	9	1292	105	147	80	17	43
	151	49	143	146	27	52	70	33	74	270	34	153	51	81
OTU23	7	162	34	3	4	26	0	6	80	5	0	3	15	0
	4	2	1987	0	0	14	1	1954	0	429	0	20	0	7
	563	0	0	988	0	464	26	0	1	236	0	24	0	13
	0	10	0	480	18	0	5	394	291	205	0	82	2	1260
	2	741	31	1308	1193	162	384	434	284	401	395	22	1444	1991
	0	20	3	12	6	0	1414	2	6	15	29	4	2	0
	33	0	3	1	0	13	74	1	1	0	0	0	0	1
	0	583	74	14	49	117	63	255	127	0	0	27	310	67
OTU1781		2	0	0	6	0	0	0	0	0	0	4	1	13
	5	0	0	1	2	0	1	2	0	0	0	4	0	3

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0	0	0	8	1	0	1	0	3	0	2	0	13	0
6	0	35	0	0	2	12	0	0	37	6	5	2	0
9	0	0	1	0	0	25	0	0	0	0	0	2	0
0	0	1	0	1	0	0	1	127	0	3	0	0	36
2	1	1	1	0	0	0	2	0	0	0	2	7	0
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OTU2850	11	0	4	5	7	4	5	7	13	50	0	44	6
13	1	3	1	0	1	0	82	0	0	1	0	0	2
18	0	0	11	0	39	3	19	2	12	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	9
0	0	0	1	0	0	0	0	0	2	0	0	1	0
1	0	0	35	1	1	1	1	6	13	1	2	57	25
2	1	93	27	4	1	0	0	4	6	58	0	0	52
19	0	0	0	0	0	0	0	0	0	19	10	6	0
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OTU891	10	3	3	11	1	15	8	5	1	11	3	32	1
3	16	1	0	1	0	8	1	1	0	0	0	3	0
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27	1	0	1	0	28	6	65	0	0	4	0	0	74
0	45	1	20	0	1	0	0	0	1	0	0	11	0
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10	0	1	2	12	11	1	20	1	3	2	6	18	0
8	0	0	12	0	0	0	17	10	9	8	5	1	7
0													
OTU825	27	23	35	28	64	26	29	43	43	47	38	24	21
25	58	45	12	73	26	17	32	26	35	18	23	25	30
18	10	41	28	25	34	13	28	13	24	13	33	64	25
34	32	31	23	21	17	16	15	43	78	20	19	14	17
19	27	31	26	13	31	12	19	47	23	32	24	23	8
61	34	23	18	70	17	11	54	23	18	17	107	11	46
28	25	8	23	20	70	17	34	9	20	29	18	20	16

9	31	34	27	24	37	15	26	14	35	27	12	12	23
89													
OTU875	3	1	0	1	1	2	0	0	0	0	0	2	0
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0	0	3	1	0	0	0	0	1	0	1	1	2	0
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3	0	0	0	0	0	0	0	0	0	3	2	2	0
0													
OTU3761	11	5	8	3	16	4	7	8	9	7	6	2	5
7	7	4	0	15	6	1	2	5	11	5	3	4	3
9	1	10	11	5	10	3	2	4	2	5	9	16	7
11	10	17	4	6	7	2	6	6	9	3	6	3	2
0	6	4	8	2	11	3	6	7	2	9	2	6	2
12	3	8	1	16	5	4	13	3	4	3	33	2	10
3	8	1	5	1	10	1	10	1	6	4	6	7	2
4	7	4	6	9	7	2	5	1	6	3	2	6	4
12													
OTU189	39	6	4	0	0	1	6	1	3	4	10	3	0
21	4	3	0	7	8	0	2	0	9	0	6	2	114
1	0	9	3	0	24	1	0	0	13	0	4	0	0
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0	0	0	2	0	0	2	0	0	0	0	0	0	0
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2	0	0	0	1	1	1	0	39	5	0	1	1	0
4	3	0	3	1	1	0	7	0	3	5	0	0	2
0													
OTU55 59	39	41	0	2	4	6	0	41	8	1	37	3	4
7	16	364	2	0	44	1	589	3	267	49	438	10	66
880	0	4	153	4	223	13	0	1	318	2	19	0	7
0	245	1	280	16	0	2	485	627	178	9	456	0	261

4	163	11	628	654	545	563	578	507	510	82	15	251	324
0	4	9	54	160	0	667	55	13	0	146	1	2	34
764	1	0	1	0	191	65	1	41	0	0	1	1	1
1	10	19	9	29	13	6	7	9	52	0	2	16	1
OTU1762	4	2	1	1	6	0	3	1	4	4	2	1	0
0	9	3	0	6	4	1	2	1	2	1	1	0	3
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3	5	4	2	1	2	0	0	5	5	3	1	0	0
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3													
OTU957	10	18	15	17	33	24	11	29	16	36	15	18	15
13	16	18	6	37	21	10	14	15	18	10	15	13	16
16	4	34	25	16	24	5	25	11	14	6	35	51	16
24	18	36	15	9	8	6	5	31	72	14	7	9	12
8	17	18	17	4	17	2	12	20	14	33	20	21	11
22	10	12	7	42	14	7	46	14	19	5	98	6	17
15	10	8	12	5	26	8	26	9	14	25	7	17	12
5	22	17	13	12	28	7	20	4	26	9	7	4	12
39													
OTU3102	4	3	9	2	9	2	4	5	7	9	0	5	2
3	12	2	1	5	1	2	2	6	7	3	3	0	2
0	2	5	4	1	4	3	2	0	4	1	2	10	3
2	3	1	1	2	2	2	0	6	8	0	2	1	1
2	2	6	5	3	6	4	3	4	2	3	3	5	2
10	2	3	1	8	5	2	7	5	3	2	17	4	4
3	2	0	4	2	7	0	3	1	5	4	2	4	1
1	5	4	1	1	3	0	2	1	4	2	2	0	3
9													
OTU15	207	186	386	48	121	631	36	340	29	34	388	810	1432	588
377	393	168	372	326	13	454	51	574	58	1000	27	1330	4

4	143	692	1512	1414	117	577	362	1185	43	454	5	163	33
1023	124	386	270	60	623	21	25	120	109	3	9	313	13
72	156	200	131	30	33	44	11	121	192	1266	27	305	618
1	31	1213	28	292	434	38	145	4	21	46	262	39	341
165	172	40	401	19	156	1	323	747	408	38	0	1119	304
4	7	8	20	6	0	0	31	3	751	304	1057	0	83
OTU145	19	9	36	11	9	17	23	12	4	13	12	2	15
10	11	3	4	3	11	33	17	1	6	4	25	0	9
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10	1	3	12	7	4	6	9	0	1	3	0	3	1
1	4	2	13	1	1	2	2	2	3	0	4	3	2
1	4	13	6	8	16	9	1	4	13	17	2	7	2
8	4	1	3	8	4	3	0	15	11	6	0	4	4
7	3	1	9	5	0	1	9	2	7	11	5	2	6
1													
OTU125	19	26	3	4	2	5	12	0	1	1	16	6	12
4	57	16	1	136	48	1	21	0	18	8	15	0	32
0	0	8	36	0	106	0	17	5	6	1	177	0	1
0	1	0	2	0	0	6	4	1	0	0	0	0	3
0	0	2	0	0	0	0	1	0	0	1	0	1	2
0	0	9	30	0	2	144	0	41	0	95	0	11	0
11	0	23	3	136	2	4	1	5	0	1	0	0	26
24	0	0	1	2	2	1	1	0	1	8	3	20	0
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OTU291	4	7	13	0	0	1	3	1	13	1	0	0	0
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3	0	0	0	0	0	0	0	0	0	13	0	7	0
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0	51	1	0	1	0	0	2	0	0	3	6	0	4
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30													
OTU586	1	0	1	0	0	0	0	0	0	1	0	0	0
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0	7	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	1	4	0
0	4	0	0	0	0	1	1	0	2	0	0	0	0
5													
OTU52	23	38	1	1	17	12	44	49	15	7	1	0	0	1
52	0	203	0	0	6	11	364	0	4	0	46	7	44
531	1	0	36	0	41	8	8	0	73	0	61	0	20
0	157	0	0	9	0	122	1636	369	28	285	619	2	526
4	6	6	71	984	21	877	690	27	1773	12	40	18	569
1	23	1	1	0	0	335	1	20	0	79	7	71	0
302	0	10	5	1	0	16	0	0	0	3	3	0	2
1	3	3	0	2	0	4	1	2	2	1	1	1	6
OTU72	3	19	7	13	14	12	4	0	2	1	192	9	184	76
39	3	0	9	45	2	3	0	174	2	63	2	7	4
0	73	8	3	93	17	73	1	87	39	170	0	12	1
128	2	1	5	2	87	4	0	0	6	0	0	4	0
13	20	2	3	0	1	15	1	10	0	29	0	16	6
0	11	1	1	0	6	0	10	0	0	0	10	0	27

4	0	1	0	0	0	2	107	33	63	1	0	125	26
0	0	1	0	0	0	0	2	2	8	25	19	0	0
OTU1824	10	5	13	10	16	8	11	15	13	8	15	3	1
4	10	12	8	14	7	6	6	7	8	5	8	2	6
15	7	13	13	3	8	2	12	4	6	6	13	21	8
9	10	17	9	4	3	3	2	12	29	3	4	3	0
9	4	9	11	1	6	4	4	8	6	14	11	11	0
12	4	8	5	11	5	7	13	4	9	2	28	2	3
12	5	5	4	1	16	3	14	3	5	15	1	6	8
2	14	4	8	7	13	2	9	1	13	7	6	3	8
19													
OTU14829	2	0	0	2	3	2	0	2	1	6	1	2	0
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OTU127	35	11	10	153	26	6	12	11	6	4	0	10	31
7	32	49	2	2	26	6	7	0	2	23	0	0	23
9	3	1	0	12	0	5	0	17	56	9	121	8	23
3	4	10	4	14	4	4	1	0	5	26	0	1	7
2	1	5	7	1	15	2	2	12	13	15	24	4	1
0	10	10	0	3	64	0	24	1	5	0	8	25	5
0	13	0	12	0	0	83	1	4	1	0	0	4	0
8	0	0	8	1	1	0	4	1	14	1	7	31	4
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OTU4142	12	3	13	4	22	11	6	15	16	20	9	10	9
9	32	14	5	22	7	4	7	7	8	3	9	8	9
9	8	14	7	4	9	6	13	8	7	11	15	22	10
13	8	17	10	5	8	3	5	14	18	6	4	4	7

	10	4	7	5	3	11	4	8	16	7	11	8	14	6
	32	18	9	7	37	5	6	22	7	9	3	35	6	14
	18	7	2	3	4	19	7	9	2	7	6	11	13	6
	7	16	4	8	7	10	2	13	7	12	12	3	3	12
	34													
OTU20	129	1795	465	32	369	484	742	138	23	7	115	206	135	263
	452	91	28	234	22	3	76	3	41	73	1169	12	40	33
	4	290	162	61	90	5	46	74	100	43	1035	11	116	1
	13	11	136	29	17	98	205	47	6	7	1	5	99	4
	39	25	8	6	10	14	19	8	12	8	14	220	5	4
	3	394	171	19	312	255	0	51	12	1060	1	35	16	397
	32	136	22	25	48	133	38	56	258	90	8	2	258	129
	6	5	5	14	6	2	1	20	5	347	244	65	2	0
OTU120		4	0	0	0	0	1	0	1	6	1	0	0	5
	0	0	0	330	0	0	1	0	39	0	4	0	0	0
	1	63	0	0	42	0	163	1	14	1	83	0	7	0
	0	0	2	0	109	4	0	0	97	40	31	0	1	5
	104	0	17	1	65	68	50	34	12	39	92	18	0	228
	16	0	0	0	0	0	0	15	0	0	1	0	0	0
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	0	0	22	40	0	26	31	6	9	24	0	0	0	34
	0													
OTU12	318	354	948	120	199	495	366	554	355	466	37	680	182	366
	272	179	31	193	109	446	476	2	184	75	388	74	204	215
	4	64	138	213	399	781	269	101	577	39	1	103	395	111
	704	26	68	162	29	2	57	8	0	375	197	5	13	1
	32	25	191	0	18	338	13	41	154	12	561	111	1	4
	5	448	515	821	774	115	6	1602	369	32	825	193	16	144
	64	343	87	176	173	641	199	80	83	101	3	6	93	488
	3	2	9	0	4	0	0	43	11	296	467	431	10	2
OTU332		3	11	3	2	1	5	3	0	1	2	2	2	0
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	0	0	2	0	3	2	2	0	1	0	6	0	0	3

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1	4	0	2	2	1	0	0	3	2	3	0	0	0
2	1	3	0	1	0	1	2	10	3	1	7	2	3
3	5	3	12	8	6	3	10	5	9	0	1	0	2
3													
OTU48	62	46	63	59	25	107	39	86	48	38	8	126	13	141
97	9	65	2	0	27	1	70	0	55	0	44	44	11
40	0	0	72	44	62	52	58	0	59	13	37	25	52
0	54	1	41	53	51	117	26	13	25	11	23	62	25
26	63	33	23	30	40	21	9	35	22	111	23	63	32
0	389	0	9	1	0	60	16	68	1	39	1	89	19
50	0	36	0	65	32	35	5	32	61	0	0	68	36
0	0	5	0	2	4	0	6	12	15	56	69	4	0
OTU901	29	15	29	25	46	20	19	35	40	37	36	24	16
14	36	38	15	43	20	11	18	13	43	15	17	17	15
20	14	57	32	13	25	8	21	10	21	25	34	48	30
37	26	29	20	18	15	12	14	40	71	10	15	7	16
14	15	20	35	16	22	7	25	35	18	42	21	29	10
39	25	34	17	59	11	10	43	9	14	10	91	18	29
20	13	11	16	18	40	13	30	11	13	29	11	19	11
10	29	21	14	23	32	10	26	10	19	6	13	14	21
56													
OTU11027	1	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													

OTU150	5	10	2	3	4	7	3	11	6	7	0	3	0
0	6	44	14	2	14	34	15	2	5	5	28	0	2
12	2	0	7	18	22	7	0	5	16	0	4	1	11
6	4	45	0	1	0	0	0	0	3	19	4	2	0
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6	0	26	0	17	17	0	16	1	36	0	8	5	6
0	25	2	6	0	1	1	4	1	2	0	0	8	3
0	0	0	1	0	1	1	0	1	3	1	0	8	0
0													
OTU881	22	25	27	18	54	21	25	47	31	48	23	19	20
25	19	32	13	48	19	8	30	27	35	9	14	21	20
14	18	50	35	16	29	9	22	15	27	20	50	64	23
33	17	44	17	15	11	13	13	35	75	12	8	5	13
15	18	23	28	13	30	7	16	47	21	31	21	24	13
37	24	35	16	67	17	13	44	17	14	10	120	12	37
17	13	8	31	12	34	15	32	7	13	38	8	20	7
18	28	38	22	18	37	9	25	10	37	20	17	9	26
45													
OTU8491	3	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU10380	1	0	1	0	0	0	0	0	0	1	0	1	0
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0	0	0	2	1	1	0	1	0	0	1	0	2	1
2	3	0	0	0	0	0	1	0	1	0	0	0	1
0	0	0	1	0	2	1	0	1	0	2	0	1	0
1	1	1	0	2	0	1	0	0	0	0	2	0	0

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0	0	1	0	0	1	0	0	0	0	0	0	0	0
3													
OTU1586	2	0	1	3	0	1	1	1	0	3	0	4	0
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0	0	0	0	0	2	1	7	2	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	3	0	0	0
0	0	0	1	0	0	0	0	0	0	0	0	0	0
0	0	0	1	1	2	1	0	6	3	0	1	2	0
0	1	1	0	2	0	2	2	0	1	0	0	0	0
4	0	0	0	0	0	0	0	0	0	3	3	2	0
0													
OTU3624	118	42	55	299	95	160	71	79	19	118	271	326	59
36	151	247	4	294	29	157	128	11	8	25	41	21	93
61	0	12	45	8	320	13	149	248	93	17	146	90	5
67	157	2	58	49	137	210	163	3	3	124	6	11	303
4	227	31	50	24	1	6	14	3	40	1	56	67	19
0	31	15	34	43	95	23	6	159	104	13	21	75	82
243	18	38	27	222	184	49	120	37	157	166	22	84	145
238	2	10	35	5	2	12	29	30	63	134	157	45	56
17													
OTU1048	22	14	9	15	34	13	13	28	19	28	13	14	1
7	10	20	5	28	15	6	17	8	18	5	14	6	8
6	7	26	22	6	16	10	25	6	11	9	21	46	12
16	8	19	13	6	11	6	5	30	41	8	9	6	5
5	7	22	17	3	18	2	13	11	10	20	18	9	6
23	10	21	7	42	8	4	37	6	10	5	77	10	10
10	9	4	5	2	20	3	27	3	4	16	10	10	5
4	9	22	12	13	16	5	16	4	11	6	4	6	12
26													
OTU75	41	53	1	5	0	12	15	48	1	5	37	5	92	14
10	8	23	50	18	6	27	8	16	140	41	1	6	1
28	0	35	94	41	95	5	26	30	33	8	13	1	0

0	14	59	29	1	68	0	5	7	10	0	13	13	24
11	33	0	28	5	8	7	4	34	10	82	0	12	20
0	2	84	13	177	313	45	34	4	269	3	26	0	4
34	70	1	45	1	15	2	61	2	6	0	0	6	24
0	0	1	0	1	0	0	2	0	55	13	23	0	0
OTU883	46	15	29	14	77	29	35	31	45	70	26	15	12
19	126	26	15	48	24	7	34	24	27	9	16	13	20
16	8	45	28	22	30	6	18	10	15	15	24	39	24
43	25	16	22	19	13	5	8	29	86	12	16	15	13
28	17	33	19	11	31	5	17	21	27	23	23	30	12
109	26	41	13	54	15	10	49	19	21	6	82	10	16
20	20	8	15	17	64	11	27	8	14	21	15	17	10
8	26	22	18	38	25	9	18	6	26	16	8	16	23
187													
OTU7432	6	7	31	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	4	0	3
0	0	0	0	2	0	0	0	0	0	0	0	0	0
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0	0	2	0	0	0	0	0	0	0	0	0	0	1
0	2	0	0	0	2	0	2	0	0	0	0	0	0
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0													
OTU37 13	0	1	12	9	21	31	35	3	15	97	244	205	94
67	6	91	0	155	39	57	9	0	3	2	21	1	6
75	178	8	529	0	169	127	13	134	2	0	62	104	2
1137	1	204	34	23	2	3	1	15	228	1	45	70	2
35	190	33	29	2	146	10	11	360	3	1	26	136	12
17	446	291	28	1	2	28	23	9	6	2	35	2	8
0	191	13	108	2	0	4	132	69	252	57	10	318	298
5	12	4	25	10	5	40	45	108	113	363	435	31	83
OTU13753	8	1	0	1	0	0	0	0	3	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	1	0

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0	0	0	2	0	1	0	0	0	0	0	0	0	0
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0	1	0	0	2	0	0	0	0	3	0	0	0	0
0	0	0	7	0	0	0	0	0	0	0	0	0	0
0	0	1	2	0	1	0	1	0	1	0	0	0	3
0													
OTU104	22	28	8	1	1	1	31	6	17	24	0	0	1
0	11	2	2	5	0	15	0	4	0	2	3	25	0
1	7	0	3	1	0	5	0	4	1	12	0	10	2
3	1	0	35	5	2	1	1	1	15	1	13	0	0
0	0	1	15	1	5	0	13	12	0	3	0	34	2
11	30	11	0	4	4	7	43	2	34	9	54	2	22
1	163	9	27	4	32	0	51	0	1	0	7	15	0
0	43	20	76	10	9	7	85	9	56	0	1	3	63
8													
OTU12030	68	37	19	73	88	135	100	56	23	122	66	122	50
37	124	13	4	18	33	88	13	2	0	3	12	62	26
33	2	16	5	2	18	12	48	154	4	9	5	152	33
100	12	2	12	6	74	36	130	3	0	18	8	4	90
0	113	5	109	5	2	3	7	5	1	1	4	120	3
3	30	73	28	34	36	18	32	48	109	5	10	16	66
84	24	17	47	64	161	50	166	15	20	34	29	73	4
23	12	1	27	4	1	2	65	25	36	33	21	5	77
43													
OTU768	7	2	35	5	11	36	8	19	29	12	1	12	0
0	3	4	0	0	1	32	1	0	0	0	0	1	0
21	0	0	0	1	1	0	2	7	11	1	0	0	0
5	37	1	0	0	5	0	7	0	0	0	2	0	0
0	13	1	9	0	0	0	0	0	0	0	0	8	0
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2	1	0	18	4	7	2	3	0	13	11	10	7	0

0	12	25	18	16	8	3	4	2	9	9	1	4	5
5													
OTU8137	5	5	7	37	4	10	7	51	45	9	403	43	150
29	6	147	3	137	27	0	27	25	18	0	4	1	57
3	6	27	174	14	8	31	4	6	35	2	1	0	7
28	12	16	5	51	115	17	47	12	5	36	0	8	5
19	103	46	39	25	6	19	53	16	19	3	38	51	24
38	7	1	30	2	21	8	10	5	10	8	0	23	4
26	13	12	4	3	4	63	17	28	18	50	1	29	21
24	9	182	0	46	128	36	94	71	28	9	64	9	30
24													
OTU708	1	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	1	0	0	0	0	1	0
0	0	1	8	0	0	0	1	0	4	0	0	0	9
0													
OTU762	28	33	42	25	75	35	32	39	55	86	27	18	22
15	108	35	19	61	29	12	25	20	35	11	28	17	26
17	21	65	36	17	39	14	26	20	30	18	25	79	41
39	38	48	21	30	10	5	14	48	62	17	20	14	9
20	21	23	39	19	28	18	22	46	20	30	12	38	6
93	40	33	14	85	24	17	61	19	26	10	82	13	31
36	23	15	18	13	68	19	31	7	31	35	22	26	13
12	40	28	19	34	30	10	28	13	25	31	18	6	21
119													
OTU398	12	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	3	0	0	0	2	0	5	0	0

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	2	0	0	0	0	0	0	0	0	0	2	4	0	3
	0	30	0	0	4	14	0	6	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU15215		2	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0													
OTU451		1	3	0	2	0	1	0	0	1	0	0	5	0
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	1	0	0	0	0	0	0	0	1	2	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	2	0	0	0	0	0	0	0	0	1	0
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	6	0	0	0	0	0	0	0	3	4	0	0	0	0
	0													
OTU304		2	4	2	0	1	1	4	0	10	5	0	0	0
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	1	0	0	0	0	0	0	0	0	0	1	0	0	0
	1	0	0	0	0	0	0	0	0	0	1	0	0	0
	0	0	0	2	0	0	0	0	0	0	0	0	1	0
	0	3	0	0	2	0	0	0	0	0	1	0	0	0
	0	0	0	1	0	0	0	0	0	0	0	10	4	0
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	12													

OTU797	22	12	22	9	44	18	20	24	22	41	29	13	10
9	40	23	8	32	11	13	24	11	14	13	15	4	18
17	8	37	16	7	24	3	18	7	11	17	28	47	21
18	30	26	14	8	7	7	8	38	50	4	10	8	4
13	18	13	16	7	21	3	14	22	12	14	16	23	8
33	14	19	9	48	3	4	36	8	18	8	76	2	19
16	14	11	11	7	48	3	24	6	9	21	6	15	7
8	18	20	12	16	13	4	12	9	15	13	7	4	15
50													
OTU5645	2	1	1	0	0	2	0	3	0	2	0	0	1
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0	1	2	0	0	2	0	1	2	0	0	1	0	2
9													
OTU6289	18	23	3	1	2	8	0	21	17	2	0	0	0
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2	0	19	3	276	31	17	0	0	1	15	8	54	17
0	2	1	0	47	4	10	6	1	0	77	0	0	122
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0	0	1	21	0	0	2	0	0	6	0	1	1	0
1													
OTU928	45	27	30	27	79	37	32	37	64	78	31	30	22
23	210	25	19	53	24	12	29	21	35	19	27	31	22
14	10	67	38	16	38	19	21	19	20	31	35	66	36
49	27	41	28	23	21	11	14	45	88	15	28	13	11
33	22	28	41	13	35	9	28	28	30	45	16	37	17
143	37	50	19	84	19	7	71	20	24	18	95	18	39

	39	16	10	23	22	66	13	45	13	18	38	7	20	14
	21	37	30	25	45	44	18	37	17	19	25	10	9	38
	177													
OTU77	47	96	19	158	37	79	7	51	7	5	46	22	85	12
	105	0	10	187	9	9	213	0	1	1	6	3	20	8
	0	1	12	10	0	16	7	11	10	9	4	51	11	111
	0	1	2	6	68	55	10	4	2	11	0	1	80	0
	10	0	24	0	1	0	2	0	1	0	7	16	0	2
	0	43	113	6	3	31	3	2	7	2	12	9	16	8
	23	17	6	1	36	1	14	22	72	89	0	0	59	87
	0	0	1	0	0	0	0	11	0	2	87	0	0	0
OTU92	49	19	34	4	7	6	3	14	1	9	0	111	0	58
	10	4	5	0	15	2	0	17	0	33	0	7	0	0
	16	0	2	14	0	19	8	11	4	22	1	10	30	2
	0	1	0	132	1	0	0	3	13	424	3	0	0	3
	0	2	11	36	25	14	33	43	6	2	15	2	20	9
	1	4	0	11	5	0	4	20	2	0	0	1	2	0
	47	0	0	10	11	66	6	0	76	0	0	0	22	6
	7	0	0	4	4	0	2	1	7	5	11	24	1	0
OTU198		27	41	8	2	1	1	2	0	5	3	0	1	3
	2	0	3	3	8	1	22	1	23	0	17	5	62	4
	453	487	0	4	12	3	4	3	0	181	34	0	7	1
	16	4	0	27	5	22	0	8	17	217	87	260	86	0
	1	51	4	26	6	192	7	104	174	3	6	6	7	0
	13	22	1	20	19	15	3	7	23	1	6	81	38	29
	1	4	28	1	3	4	69	1	0	32	0	0	8	0
	3	3	10	15	13	3	8	3	13	51	12	2	75	6
	23													
OTU4458		113	99	133	1	2	3	117	91	92	171	0	0	0
	2	61	0	0	0	0	253	0	0	0	0	0	0	0
	119	0	0	0	1	0	0	0	0	0	0	0	13	0
	134	0	3	0	0	1	0	4	0	2	1	81	0	1
	0	31	0	23	0	0	0	2	21	0	1	0	12	0

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0	18	0	204	0	343	0	43	0	0	0	0	2	0
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0													
OTU7522	43	43	2	3	90	18	25	84	2	2	118	0	29
0	83	20	1	106	404	4	20	0	293	2	68	0	8
0	1	190	1	0	54	2	110	105	14	0	289	0	302
0	0	12	154	0	0	16	1	1	0	0	1	0	3
1	2	0	2	0	2	0	2	0	1	0	0	3	0
0	0	1	51	3	120	102	0	135	17	169	2	75	2
6	0	141	1	21	51	0	1	3	1	1	0	0	13
0	0	3	0	0	0	0	3	11	2	5	149	4	0
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OTU654	3	0	3	2	0	0	1	1	1	1	0	0	1
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0	1	0	0	0	0	0	1	0	0	0	1	0	0
1	3	0	0	0	0	0	0	0	1	0	0	5	0
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0	0	0	1	0	2	0	0	2	0	0	0	0	5
1	0	0	0	0	0	0	0	0	0	1	0	0	0
0													
OTU514	18	0	0	0	0	2	0	0	0	3	0	17	1
0	3	0	47	0	0	0	0	0	0	0	0	0	0
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15	0	6	0	8	24	0	4	0	1	26	0	0	40
0	6	22	36	1	0	2	14	0	0	0	0	18	3
3	0	2	1	0	0	0	0	19	1	0	0	0	0
0	0	0	48	0	0	21	5	0	0	0	0	0	18
0	0	0	0	2	1	0	0	0	1	0	0	1	0
0													
OTU42 24	16	6	3	1	8	7	6	4	22	4	0	114	16
59	64	81	13	121	15	1	166	219	31	254	1	1	1

3	32	133	21	133	28	79	1	91	7	83	2	245	22
35	640	11	0	7	735	3	6	1	14	2	21	7	84
3	3	6	0	6	0	28	0	5	1	1	0	0	50
1	24	48	0	124	18	18	4	6	5	1	10	1	9
45	129	1	2	39	1	1	2	0	226	0	0	12	9
0	0	9	0	0	0	1	13	6	15	138	16	0	0
OTU7589	2	1	3	2	4	1	2	3	4	1	0	4	0
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1	0	0	0	0	0	16	2	0	0	0	0	0	1
1	5	0	3	1	0	0	0	0	0	2	0	0	0
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0	0	1	3	0	4	0	0	43	1	0	2	5	0
0	0	6	1	2	0	6	1	0	0	0	0	0	2
7	0	0	1	0	0	0	0	0	0	4	3	2	0
0													
OTU900	23	15	20	12	43	19	18	15	24	46	22	14	9
16	86	22	13	41	16	10	14	12	33	3	21	9	19
13	10	45	30	9	13	5	12	8	14	14	24	35	19
36	14	26	14	15	15	9	3	23	50	14	8	6	4
22	15	20	23	4	17	10	21	25	21	18	11	11	11
53	23	25	6	43	2	10	42	10	20	8	49	8	25
20	8	8	17	12	45	5	29	5	11	13	10	14	8
7	21	17	15	20	23	8	19	11	23	12	12	6	16
87													
OTU927	16	9	19	13	35	16	11	15	22	25	17	12	9
13	52	24	7	27	9	7	13	11	20	7	15	7	18
6	6	36	22	8	14	3	8	5	9	8	20	25	12
19	13	21	7	11	5	1	6	15	40	9	5	10	5
12	10	25	9	9	15	7	13	23	13	16	16	16	8
54	15	14	7	51	9	7	35	6	7	7	52	3	13
11	6	4	11	11	32	3	12	9	17	13	3	10	6
5	14	12	14	17	19	5	11	11	16	5	5	3	15
47													

OTU2267	4	0	0	0	0	1	3	0	0	0	0	0	0
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0	0	0	0	0	0	4	0	0	0	0	0	4	0
0	0	1	0	2	10	0	0	0	0	1	5	0	0
0	0	1	16	0	0	0	0	3	0	0	2	1	0
2	0	0	0	3	0	0	0	2	2	0	1	0	0
0	0	0	2	0	0	0	15	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU73 76	36	49	60	9	23	21	13	189	37	12	100	7	7
86	176	12	14	35	94	5	23	182	2	114	40	212	78
44	2	125	8	7	35	5	16	33	33	8	18	15	18
87	5	135	195	37	39	11	12	32	74	40	8	1	3
6	46	150	208	64	97	25	101	52	18	68	182	65	13
31	20	89	147	444	199	22	106	33	24	30	537	133	92
110	268	132	164	105	86	66	3	53	30	26	57	15	9
87	50	98	47	40	35	71	24	92	25	31	124	55	62
OTU312	12	0	27	0	0	0	2	0	0	1	0	0	1
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107	1	0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	0	0	0	0	0	2	21	0	38	0	0
0	1	0	0	0	0	0	3	4	0	2	0	3	0
1	9	9	0	2	0	0	95	0	10	0	41	1	184
0	4	0	7	0	32	0	4	0	4	0	0	3	0
0	1	0	0	0	0	0	1	0	0	0	0	0	0
0													
OTU53 12	0	4	18	34	20	11	12	72	11	414	35	377	3
11	82	12	18	0	3	19	0	0	1	9	3	0	1
6	1	218	3	0	63	68	1	2	0	0	4	0	21
18	143	1	78	45	207	5	29	42	136	3	57	238	23
61	28	38	31	48	31	165	50	21	11	6	127	19	143
2	18	66	74	5	85	7	52	17	1	29	55	101	15

32 41 79 3 9 5 18 892 55 189 0 0 500 56

0 0 2 4 1 1 1 18 0 32 117 51 0 0

OTU11028 1 0 0 0 0 0 0 0 0 0 0 0 0

0 0 0 0 0 0 0 0 0 0 0 0 0

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0 4 0 0 0 1 1 3 0 0 1 0 0 0

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19 75 31 13 45 16 4 25 15 29 10 18 12 9

10 7 55 26 12 23 4 21 11 20 13 34 45 12

25 29 18 21 20 10 3 12 28 69 10 15 9 5

8 11 30 13 9 22 13 17 34 16 28 9 16 6

37 35 20 9 57 12 11 52 13 11 10 67 13 22

23 12 8 11 14 39 10 24 5 8 24 8 12 7

6 13 22 15 26 23 5 14 7 19 17 12 4 19

77

OTU1885 10 2 6 4 21 6 9 9 11 11 5 5 7

3 42 7 5 16 3 3 8 4 12 2 5 4 5

1 2 15 12 2 4 0 6 5 7 7 5 15 10

7 7 10 7 1 6 2 3 4 19 3 2 2 2

	8	5	6	12	7	7	1	3	9	7	6	9	10	3
	23	9	10	2	16	5	5	18	3	4	5	19	5	5
	3	2	6	1	7	23	4	5	7	4	15	5	8	3
	6	9	9	2	11	7	7	5	3	4	6	6	3	8
	57													
OTU57	59	12	158	6	80	690	51	11	76	46	0	52	0	0
	39	5	1	2	1	4	1	0	0	0	0	0	1	123
	0	0	0	0	0	0	6	6	4	1	0	5	0	29
	38	1	0	0	17	7	129	1	1	1	2	0	74	0
	64	2	35	0	6	0	0	2	2	4	0	24	0	0
	5	410	0	299	2	4	5	1	156	4	11	22	98	3
	6	1	46	5	126	2	79	1	40	1	2	3	1	5
	0	4	3	1	1	1	3	2	5	17	6	1	0	3
OTU12213		1	0	0	0	0	0	0	0	0	0	0	0	0
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	0													
OTU763		33	16	34	12	49	18	10	23	37	59	18	16	12
	15	111	29	13	50	21	8	17	12	37	6	14	15	26
	14	11	53	34	17	15	11	26	10	13	16	21	55	19
	33	29	33	22	12	14	12	8	36	55	17	9	12	11
	20	13	14	28	19	23	11	16	18	20	22	23	31	16
	78	27	27	16	51	15	7	55	13	18	9	83	11	26
	28	12	14	15	22	41	8	26	9	11	26	14	11	12
	11	36	19	18	14	25	11	25	13	19	16	7	9	21
	106													
OTU2184		25	0	48	6	4	2	46	8	6	2	0	0	0
	0	33	0	4	0	0	21	0	3	0	8	0	5	0

53	2	0	0	0	0	19	0	0	0	3	0	22	0
7	0	10	0	0	0	2	0	1	1	6	1	0	0
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2	0	2	0	2	0	0	10	0	2	0	35	0	31
0	11	0	20	0	14	0	15	0	0	0	0	0	0
0	0	0	4	5	4	1	1	0	0	0	0	0	1
0													
OTU944	16	14	20	17	48	18	22	42	29	43	24	13	8
8	23	26	10	33	23	5	25	14	14	6	15	10	18
8	10	44	28	12	30	8	15	9	19	8	38	62	32
27	19	30	14	11	16	8	16	36	60	11	9	13	9
4	17	27	16	7	21	10	17	29	13	33	16	24	9
33	17	15	11	53	14	9	47	13	19	8	91	3	16
16	15	4	13	10	42	8	18	11	8	22	7	15	8
8	14	18	10	20	30	7	17	5	17	16	8	8	16
38													
OTU708	15	37	76	215	12	18	1	19	3	7	2	3	10
13	0	197	4	2	10	0	48	0	169	0	68	55	10
52	0	0	171	1	288	5	42	1	331	3	36	0	10
0	63	0	163	54	3	53	8	14	23	9	3	14	11
3	32	13	21	2	32	54	7	4	28	75	34	37	34
8	55	0	0	0	0	29	0	14	2	4	0	5	11
19	0	0	1	2	4	10	6	4	2	1	1	19	8
2	5	19	3	4	4	9	1	14	2	5	3	2	1
OTU199	5	2	7	1	7	5	8	3	4	7	0	5	2
0	6	2	0	10	4	5	5	1	0	1	2	1	3
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2	1	0	9	7	3	4	1	0	0	7	1	0	0
0	0	4	2	2	0	9	0	2	5	1	10	0	3
1	4	2	3	2	9	3	0	2	0	4	0	14	0
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20	3	5	5	2	0	0	1	3	10	6	1	5	6
4													

OTU1237	10	6	7	32	15	10	12	7	3	11	32	37	16
7	17	33	1	43	8	30	19	1	0	0	4	3	8
9	0	2	6	1	46	2	23	22	28	1	23	13	2
6	14	0	8	3	26	27	19	0	0	15	0	4	20
1	26	3	3	5	2	3	5	0	5	0	4	8	1
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176													
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129													
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66	23	24	6	42	17	11	47	8	14	10	64	13	24
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91													
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26													
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73	24	18	5	66	9	6	45	8	20	4	90	8	17
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104													

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13	147	28	15	44	20	10	17	16	19	14	20	12	14
14	12	59	18	18	24	10	21	10	25	10	28	55	29
39	29	27	15	24	16	4	11	42	72	15	8	7	7
22	15	22	31	13	23	5	24	40	24	21	27	22	17
93	34	22	9	60	15	10	64	15	11	10	66	12	24
26	19	15	24	11	49	17	31	10	26	21	14	25	16
10	37	31	24	36	23	15	28	8	24	30	10	10	24
140													

OTU62	8	104	54	0	3	12	36	6	144	2	0	1	1	1
	4	1	61	0	1	25	1	450	0	60	4	53	5	483
	1164	0	0	69	0	224	12	4	5	635	0	117	1	40
	0	8	1	501	15	1	52	535	276	76	230	10	6	219
	50	37	12	336	586	148	605	321	92	446	58	155	211	180
	61	2	0	35	1	0	151	0	13	22	203	0	30	0
	177	0	6	3	0	3	51	0	2	0	5	6	0	1
	10	540	159	353	890	576	65	434	158	0	16	1	287	152
OTU1942		16	8	8	7	20	7	10	8	15	20	16	17	2
	13	54	23	9	24	13	2	13	4	12	4	6	8	7
	9	5	15	7	2	8	5	5	5	11	14	11	17	9
	16	1	4	14	9	6	6	4	16	36	2	6	4	2
	9	10	6	7	7	3	5	7	10	8	11	6	11	6
	51	13	7	6	22	4	3	20	5	8	8	37	6	9
	13	5	2	3	11	26	1	9	1	10	9	10	6	9
	4	11	8	5	10	14	9	7	5	9	7	1	12	11
	65													
OTU218		2	27	12	0	1	0	5	0	15	3	0	0	0
	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	5	0
	3	0	0	0	0	1	0	0	0	0	0	0	0	0
	0	1	0	5	0	0	0	0	1	0	0	0	2	0
	0	18	0	0	6	0	0	0	0	0	1	1	0	6
	2	1	0	7	0	1	0	6	0	0	0	19	31	0
	0	27	16	42	9	6	12	62	14	21	0	0	0	16
	3													
OTU11023		1	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU43	93	153	29	295	60	127	65	44	53	92	14	148	10	2
	46	147	14	242	4	136	77	17	10	99	111	46	21	106
	3	0	68	27	168	121	38	78	72	27	358	223	0	332
	35	5	18	24	108	53	215	4	2	99	11	11	67	1
	99	25	31	14	3	12	1	10	17	1	17	32	20	10
	216	215	2	62	21	3	88	17	151	5	62	22	46	26
	26	11	139	15	122	13	191	0	58	50	445	563	115	39
	23	43	183	69	14	61	308	51	180	58	83	24	470	314
OTU953		18	13	19	13	28	15	16	29	16	16	14	9	13
	6	11	19	5	26	10	7	15	10	16	6	13	7	10
	10	7	24	14	8	11	0	13	4	11	11	21	45	9
	14	9	21	13	10	5	4	6	26	39	6	5	4	4
	9	6	8	12	2	13	3	7	30	9	16	8	15	9
	17	9	16	5	31	7	5	28	11	8	8	67	6	9
	12	6	6	5	9	25	2	13	7	3	21	9	7	7
	14	14	23	6	11	13	6	19	3	12	6	4	4	13
	12													
OTU128		31	2	18	19	2	6	13	10	25	4	0	8	1
	3	0	0	13	26	1	2	25	14	0	22	54	12	7
	15	14	0	7	31	2	37	5	38	1	28	6	12	22
	3	22	28	15	20	3	42	4	21	11	4	2	2	27
	6	10	1	1	8	7	3	23	14	0	14	0	3	7
	23	0	24	3	4	19	0	36	35	2	11	0	4	15
	1	28	36	6	7	4	8	2	0	5	8	0	0	1
	0	0	0	0	0	2	0	0	0	3	12	0	1	0
	0													
OTU40	6	129	17	60	25	11	17	9	18	9	14	69	8	16
	13	29	414	27	3	10	129	190	0	427	149	18	2	75
	153	5	1	482	11	152	6	9	102	143	31	27	0	23
	156	23	168	30	7	1	108	6	47	48	45	52	14	48
	22	155	10	163	23	186	83	57	93	11	87	33	136	92

	2	1	65	3	59	68	115	134	37	286	16	86	4	414
	70	192	8	188	7	139	25	15	128	30	22	9	39	21
	1	11	21	0	2	15	0	17	36	204	153	151	11	4
OTU801		38	18	22	17	64	43	36	38	37	43	33	28	17
	19	126	36	15	39	26	18	27	16	29	17	20	17	16
	16	13	51	27	7	31	18	21	18	21	22	27	60	23
	43	30	28	40	11	16	9	10	33	63	25	11	14	13
	23	12	30	33	17	34	9	28	33	22	30	23	27	12
	97	47	38	11	65	22	7	73	16	25	18	86	9	27
	32	17	10	18	27	61	9	35	9	14	28	26	15	11
	11	37	30	10	23	16	14	23	15	17	14	14	10	29
	162													
OTU9	62	78	144	520	80	177	74	574	585	132	4254	516	1859	642
	61	2511	93	1588	540	2	460	292	248	6	90	33	658	45
	66	635	2616	178	81	434	150	84	623	39	47	5	227	396
	170	358	77	683	1123	353	583	149	69	478	16	150	100	312
	1212	723	415	296	212	352	661	370	377	55	353	578	388	503
	64	47	384	99	200	240	98	66	102	171	15	344	48	376
	146	92	86	9	109	799	281	547	243	587	6	481	519	442
	63	2032	8	570	1174	433	747	946	254	128	1183	134	196	128
OTU272		17	81	10	42	0	7	38	22	22	6	0	2	0
	0	7	0	13	0	0	11	4	18	0	9	6	51	0
	36	7	0	0	3	2	16	0	1	7	0	0	5	0
	11	3	4	2	3	1	0	2	24	16	12	0	2	0
	6	20	0	7	10	5	25	21	14	5	7	9	6	8
	9	38	22	13	20	6	18	60	6	3	3	28	13	55
	6	53	8	10	8	25	17	22	0	1	0	8	19	1
	0	24	47	3	39	64	29	15	32	21	8	5	19	11
	10													
OTU12214		1	0	0	0	0	1	0	1	0	1	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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0													
OTU1077	23	18	21	24	57	30	21	28	36	56	19	21	10
27	61	22	11	32	20	11	21	14	25	12	16	13	21
16	18	59	17	13	22	8	18	6	26	23	29	55	21
35	29	14	19	19	10	9	9	36	64	12	16	5	8
14	11	20	31	8	25	18	16	30	19	24	17	20	7
56	28	11	12	65	13	12	50	14	18	11	85	12	20
22	17	16	18	19	51	10	26	10	8	25	10	18	10
13	24	24	12	35	20	11	25	9	23	14	8	7	25
89													
OTU931	15	20	17	14	34	22	22	23	25	36	20	13	8
9	33	18	11	37	17	11	11	16	24	7	15	18	14
14	15	40	22	10	13	5	13	12	21	13	23	43	15
14	24	19	21	10	12	6	9	28	52	4	12	8	5
15	11	23	19	13	15	6	9	30	9	21	18	22	10
29	30	16	7	41	21	7	29	16	11	6	63	5	15
22	15	8	9	14	32	8	18	7	10	19	10	24	12
4	22	15	9	16	12	8	17	7	17	18	5	12	9
49													
OTU238	13	10	12	5	2	8	11	15	4	12	2	2	3
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4	9	0	7	1	3	3	1	0	0	2	0	1	3
0	1	0	7	1	0	0	1	0	1	0	0	1	0
0	6	10	5	5	0	0	2	6	12	9	1	13	0
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0	3	2	4	2	1	0	0	1	9	12	1	4	5
0													

OTU381	1	2	4	3	0	1	0	4	2	0	1	2	0
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1	2	0	13	2	1	2	0	0	0	2	1	0	1
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0	1	3	1	7	3	2	0	1	0	7	0	0	0
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OTU7258	4	1	3	6	5	8	2	7	5	3	3	0	2
4	7	2	2	2	5	3	1	5	4	1	1	1	7
9	0	9	2	1	7	4	5	1	1	7	3	11	5
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2	3	0	6	1	3	1	3	4	3	4	5	0	5
4	6	1	2	5	1	1	15	4	4	3	11	2	4
2	3	2	1	4	9	2	3	2	0	7	0	2	4
0	6	6	1	3	3	1	3	4	5	1	0	4	1
11													
OTU27	84	37	59	10	33	89	46	170	49	54	97	480	49	65
22	270	2	112	35	43	200	4	10	2	35	6	8	12
0	38	155	0	126	0	288	26	405	0	107	1	11	34
987	0	590	1	111	90	36	2	0	28	0	2	103	0
44	0	54	1	1	1	7	1	2	1	0	19	1	2
65	136	146	71	178	104	4	299	48	425	13	1052	8	196
5	98	42	308	12	29	61	16	250	357	23	27	14	665
11	40	58	14	21	3	17	34	65	210	133	120	11	28
OTU968	14	9	94	0	1	1	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	17	0	31
0	0	1	0	18	0	0	0	0	0	0	0	0	0
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0	9	0	1	0	6	0	4	0	0	0	0	0	0

0	0	1	0	0	33	0	0	0	1	0	0	0	0
0													
OTU186	3	3	7	6	0	1	20	1	89	11	0	2	1
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2	0	0	3	0	0	1	0	8	4	0	1	8	0
12	14	2	6	4	18	1	24	1	9	3	6	0	2
0	8	0	10	4	3	5	1	1	4	1	2	7	1
1	10	6	1	2	23	1	3	5	46	2	5	2	12
37	5	0	1	3	6	46	2	0	10	4	17	3	1
0	3	16	3	34	50	6	28	56	79	4	8	19	128
0													
OTU177	29	2	0	7	22	2	1	29	1	4	8	28	59
105	1	4	6	59	135	2	192	69	8	12	9	6	17
0	6	36	7	25	181	38	4	16	255	1	178	0	16
0	0	2	1	1	0	53	0	0	0	25	0	1	18
2	1	5	1	24	0	5	0	0	0	0	5	0	38
4	0	1	1	2	40	3	5	0	0	0	0	5	1
1	1	8	1	2	0	1	0	172	1	107	0	0	45
1	0	0	0	0	0	0	0	0	1	2	11	11	0
0													
OTU378	2	0	2	0	0	3	5	2	0	3	4	2	1
1	4	6	0	3	2	0	2	0	0	0	0	1	1
0	0	2	0	2	0	0	0	1	0	0	0	2	2
0	2	0	3	0	4	0	1	0	0	0	0	0	0
0	0	0	2	0	0	0	0	0	0	0	0	5	0
1	0	1	1	2	3	0	0	0	2	0	1	0	1
0	2	0	3	2	2	1	1	1	0	2	0	2	0
1	0	2	0	0	0	0	0	1	0	2	1	0	0
0													
OTU2382	5	2	2	1	2	1	3	3	1	3	2	0	0
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1	1	2	1	3	0	0	0	2	4	0	0	1	0

1	0	0	2	1	0	0	2	2	0	1	2	2	1
6	1	0	0	4	0	0	3	2	3	1	9	2	1
0	1	1	0	2	3	0	1	1	0	2	1	0	0
0	2	1	0	2	2	1	3	1	1	1	2	1	1
3													
OTU11962	5	1	4	6	8	4	2	3	7	7	5	1	2
5	19	2	0	4	1	2	1	2	6	3	2	2	2
2	2	7	2	0	2	1	3	0	4	4	2	13	6
10	3	1	8	1	1	2	1	2	15	1	3	1	1
0	5	4	4	4	4	1	0	3	1	2	3	6	3
16	5	2	3	7	0	2	5	4	5	2	8	3	2
2	0	0	3	0	7	1	1	2	3	5	2	0	1
2	7	2	5	3	1	1	2	2	1	7	1	1	2
36													
OTU82 11	17	16	12	6	18	21	67	18	23	1	17	3	9
30	26	6	46	3	35	96	1	12	13	46	5	3	14
3	2	9	13	18	0	14	5	38	2	10	7	11	19
39	0	80	2	0	6	1	0	0	26	2	1	1	1
2	9	18	0	0	1	0	0	0	0	1	6	13	1
9	30	61	18	55	47	4	18	15	33	11	95	2	16
1	40	17	16	18	20	13	0	7	24	5	9	13	60
3	0	4	0	0	0	14	3	27	23	21	28	8	2
OTU367	1	0	0	0	0	0	0	0	0	10	1	1	0
4	0	0	0	1	0	1	0	0	0	12	0	0	0
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1	0	0	0	0	0	3	0	0	0	4	1	0	2
0	0	0	1	0	0	0	0	6	0	0	1	0	0
0	3	5	0	0	0	16	2	1	7	2	14	3	0
0	0	0	2	0	1	0	3	2	1	0	0	3	0
0	2	2	0	0	0	0	0	1	10	0	1	0	2
0													
OTU13602	1	2	2	0	1	0	1	1	3	0	2	0	0
0	1	2	0	2	3	0	2	1	0	0	1	0	1

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0	0	2	0	0	1	0	1	2	5	0	0	1	1
0	0	2	0	0	1	1	0	1	1	0	1	3	0
3	0	0	0	3	0	2	0	0	2	0	3	0	2
0	0	0	2	0	1	0	1	0	0	0	1	0	2
0	0	1	3	1	1	0	0	2	2	0	0	0	0
1													
OTU67 5	7	9	0	4	2	3	2	30	21	50	2	76	26
1	77	0	1	28	17	323	0	3	4	1	46	4	461
1	9	2	5	8	0	10	0	21	1	0	13	1	39
159	1	0	132	37	0	26	0	51	35	3	10	0	0
101	1	0	3	2	11	11	29	1	1	19	35	0	2
7	0	3	15	14	0	15	5	23	17	99	3	12	22
0	0	9	78	1	7	0	4	1	14	0	7	28	0
0	14	9	6	32	3	10	11	30	8	4	2	18	23
OTU114	17	12	2	0	2	2	2	0	0	1	0	36	0
1	1	0	0	0	0	9	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0	0	11	0
13	0	0	0	15	2	0	11	2	0	0	151	0	0
0	0	0	19	0	18	4	30	57	1	16	0	3	0
2	4	3	24	0	1	1	0	1	0	0	9	2	0
435	0	1	4	2	10	6	0	0	2	8	0	2	0
0	1	10	4	12	6	3	2	2	9	2	1	0	3
9													
OTU11529	3	0	1	1	1	2	0	2	1	3	0	3	0
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0	0	3	1	2	1	0	1	0	0	1	1	5	0
1	3	2	2	1	0	0	1	0	1	0	1	0	0
1	1	2	3	2	1	1	1	2	3	0	2	1	1
1	1	0	0	0	0	0	1	0	0	0	2	0	0
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4													

OTU621	1	0	0	2	0	1	1	3	1	0	0	0	0
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3	0	0	1	0	0	1	0	0	0	0	0	0	0
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0	2	0	0	2	0	0	4	0	0	1	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	1	0
0													
OTU14265	1	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU30 73	0	21	4	13	0	2	34	62	7	0	64	37	547
2	1768	4	9	229	11	799	1	4	328	741	2	1	12
2	6	552	0	175	0	460	1	270	3	2	184	716	4
21	0	4	0	22	35	0	0	0	17	2	0	8	0
4	0	99	0	0	0	1	0	0	1	66	7	0	0
1	26	0	231	1	1	9	7	8	3	12	125	12	1
2	1	0	2	7	4	0	4	29	861	0	0	76	300
0	5	5	0	1	0	0	23	0	177	260	1190	0	0
OTU11020	1	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU2326		1	3	1	2	0	0	2	0	2	0	0	0	0
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	0	3	0	0	0	0	1	0	0	0	0	0	0	0
	0	0	1	0	0	0	0	0	2	1	0	0	0	0
	0	0	0	0	1	2	1	1	1	0	0	0	1	0
	2	0	0	0	0	0	0	2	1	0	0	4	0	2
	1	4	0	0	1	5	0	0	0	0	0	0	0	0
	0	3	1	0	1	2	1	0	0	1	0	0	0	0
	0													
OTU76	12	15	2	18	23	2	4	16	10	4	14	6	14	7
	4	0	14	13	28	72	118	4	14	110	7	123	22	30
	8	2	5	48	128	74	12	23	30	126	0	37	0	11
	0	1	0	72	44	24	7	70	82	76	61	5	23	7
	96	0	31	25	24	18	221	2	4	51	40	37	25	9
	3	11	0	0	0	11	96	0	6	2	92	60	19	0
	133	0	4	0	0	0	7	2	5	40	2	13	24	15
	11	2	1	15	19	8	49	48	34	6	2	17	23	4
OTU9437		22	8	22	2	11	16	15	54	34	11	15	5	40
	0	5	1	4	0	0	11	5	0	0	0	0	6	0
	11	1	0	14	1	0	0	1	0	1	3	4	5	0
	23	1	0	12	0	1	0	0	0	0	5	0	0	0
	0	1	2	0	0	1	1	0	0	0	0	0	0	2
	0	2	55	5	17	4	7	1	2	63	4	6	10	4
	0	1	1	8	11	3	2	7	0	1	6	1	1	0
	0	0	4	8	4	1	1	0	2	0	14	4	15	4
	2													
OTU3	19	4	5	23	15	31	60	24	789	2	2	9	25	5
	12	67	58	7	3	23	10	44	2	0	0	6	27	51
	30	49	154	42	0	154	12	10	11	40	1	60	2	28
	24	2859	71	424	919	2	198	1316	3911	340	100	1105	127	2729
	219	1861	210	2791	3123	1312	2704	1474	1759	609	55	803	1941	1407

226	45	33	118	15	16	47	12	125	58	340	67	1340	13
1791	148	377	9	181	18	639	202	0	1	58	259	358	9
671	89	11	770	802	1712	1799	716	1665	12	33	38	17	252
OTU5764	26	17	1	6	0	32	124	34	26	3	1	4	7
9	48	6	136	234	6	3	38	180	175	497	202	8	15
8	178	12	5	237	92	48	1	98	56	63	86	6	7
2	3	225	25	42	10	47	4	64	51	10	29	75	128
51	32	182	6	45	14	82	43	16	136	59	50	2	81
59	0	61	14	1	30	63	0	15	10	54	1	17	6
4	69	25	25	23	38	68	2	34	1	4	0	0	1
0	0	1	6	0	0	0	42	1	0	6	8	12	0
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OTU796	5	0	3	2	1	2	4	0	3	21	0	14	3
6	0	1	0	0	1	1	28	0	0	0	0	2	2
7	0	1	0	0	11	2	6	1	7	1	0	1	0
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0	0	0	1	1	0	0	0	0	1	1	0	0	0
1	7	0	10	1	0	1	2	4	6	0	0	22	8
1	0	25	7	2	0	0	1	2	1	20	3	3	21
7	19	12	28	24	7	11	9	14	5	6	3	3	3
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OTU1072	23	19	18	2	24	2	15	22	26	11	0	4	0
0	12	26	3	1	2	3	0	2	0	2	2	1	0
3	1	3	0	8	0	1	0	0	3	2	0	0	1
17	25	0	9	0	0	0	3	0	0	3	0	2	13
0	12	0	2	0	0	4	1	1	1	0	0	6	0
1	4	31	0	2	16	0	0	50	15	0	4	21	12
0	3	0	59	0	3	17	11	1	2	0	0	10	0
0	4	1	1	2	4	0	3	3	4	22	0	8	1
1													
OTU160	11	11	10	12	9	11	5	6	17	6	3	15	13
16	2	21	2	5	1	1	17	0	5	3	4	4	13
3	0	2	6	2	6	5	4	1	3	9	5	6	4

5	38	0	24	3	12	3	9	0	1	8	0	1	7
0	3	6	6	1	0	1	0	0	2	0	13	5	2
0	0	4	8	7	21	6	0	25	10	21	2	44	0
8	5	8	1	15	2	9	7	0	17	2	1	3	3
7	14	5	7	1	1	2	6	7	10	21	10	8	9
5													
OTU400	2	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	7	1	0
0	0	0	0	0	1	0	1	0	0	0	0	0	55
34													
OTU964	9	6	8	14	21	8	7	21	9	25	21	10	5
5	10	18	2	38	11	8	13	13	17	4	11	9	11
11	7	31	20	11	16	3	18	3	14	15	14	35	16
16	12	27	7	3	14	3	4	36	31	10	4	10	6
4	8	19	16	6	18	5	10	17	3	22	11	15	7
16	5	7	6	43	14	3	30	9	13	12	64	13	8
11	14	8	9	6	32	6	7	8	6	24	4	6	5
4	9	15	2	14	19	10	19	4	15	11	5	3	14
25													
OTU871	31	21	29	13	75	29	17	24	24	63	20	18	13
18	117	25	16	48	15	10	23	12	14	6	21	11	18
11	14	38	25	17	28	5	12	13	27	19	32	55	25
40	25	24	24	10	12	6	5	26	58	12	11	4	4
16	16	19	21	13	24	8	14	21	14	23	15	22	9
78	24	21	4	64	17	12	53	19	9	6	65	9	23
29	16	3	13	12	42	5	25	5	12	32	10	12	24
6	17	23	18	16	21	14	20	17	13	21	5	11	23
144													

OTU270	11	4	0	0	0	19	0	9	3	0	0	1	5
0	0	0	0	5	0	8	21	0	0	1	1	1	0
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1	0	0	18	29	0	0	0	0	0	6	0	0	0
0	0	1	3	7	0	1	1	2	1	0	9	0	6
0	0	2	3	2	5	0	2	0	0	0	2	6	0
0	0	0	0	0	3	7	21	0	0	0	0	0	2
4	0	0	2	0	0	0	0	0	1	6	1	0	0
2													
OTU259	11	17	15	3	0	3	12	2	2	0	0	7	0
0	5	2	4	9	0	7	3	9	20	16	19	66	2
34	26	2	36	20	2	15	0	2	4	1	0	29	0
19	0	4	1	4	1	0	2	5	14	6	0	1	1
0	9	2	4	4	6	20	34	13	8	6	8	9	2
6	21	1	1	5	10	11	24	0	3	3	2	5	35
3	89	1	3	17	8	6	7	0	0	0	9	7	0
0	26	49	12	20	19	23	14	14	8	3	0	11	28
11													
OTU415	7	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	3	0	0	2	0	7	0	36	0	2	0
0	1	0	0	30	0	3	0	0	0	34	0	1	0
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0	0	0	1	0	0	0	0	0	0	0	0	0	0
0													
OTU769	36	14	36	27	50	28	15	32	63	49	34	33	14
23	77	26	8	52	31	13	22	23	28	10	25	23	13
14	16	53	42	18	36	7	21	18	17	19	34	74	30
29	32	42	29	25	21	8	9	34	74	12	14	11	7
30	28	31	36	23	39	12	37	44	25	29	24	27	11
59	54	32	13	75	12	18	70	16	17	16	103	12	32

37	30	11	20	22	52	13	32	9	12	26	21	19	13
15	44	33	17	25	19	10	26	15	23	17	12	9	35
88													
OTU203	2	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	26	0	0	0	0	412	0	12	0	15	0
0	11	0	0	17	0	23	3	0	0	2	0	0	0
0	0	0	0	0	0	0	0	0	25	0	1	0	0
0	0	0	0	1	20	0	4	10	2	0	0	0	0
49	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	6	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	2	0
0													
OTU327	5	3	0	0	0	4	10	0	0	0	1	0	0
0	0	0	0	5	0	0	0	0	1	0	1	2	2
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3	0	0	1	0	1	3	2	0	0	0	0	0	1
0	1	1	4	0	0	0	0	0	0	0	2	2	0
0	0	1	0	2	12	1	1	0	0	1	0	0	0
2	0	0	5	0	11	1	3	4	0	0	3	0	0
0	4	0	0	0	0	1	0	0	0	1	2	0	0
2													
OTU90 28	5	2	8	1	6	9	6	2	0	0	5	1	0
5	0	14	17	0	2	21	15	1	37	12	2	7	16
23	0	3	36	29	22	5	9	0	39	10	0	0	0
13	18	50	166	26	26	8	79	19	46	62	30	10	32
19	61	12	57	18	110	74	173	73	48	22	10	40	13
0	3	52	0	1	0	4	93	22	145	5	23	0	77
34	0	0	92	23	32	0	3	19	12	0	0	0	3
0	0	0	0	1	0	0	0	0	9	4	37	0	0
OTU178	24	11	23	3	2	11	10	15	47	11	0	12	0
0	7	4	2	0	0	12	2	0	0	0	0	4	0
1	1	0	0	4	0	2	0	1	2	7	0	0	0
6	0	1	0	0	2	0	1	0	0	7	1	0	0

0	5	0	3	1	0	0	1	0	1	0	2	28	0
0	0	58	0	8	8	0	3	0	5	0	1	0	0
0	6	0	0	0	0	1	29	0	5	0	0	0	0
1	0	0	33	0	0	24	0	2	9	6	2	0	68
23													
OTU121	24	26	23	25	14	8	10	24	19	7	0	18	0
0	17	0	2	10	0	28	5	0	0	0	10	2	1
22	0	0	0	1	0	1	5	4	1	6	0	3	1
12	29	0	10	7	4	7	20	0	4	5	7	4	10
1	14	0	10	0	3	7	0	1	2	0	0	10	0
0	3	35	6	44	31	17	3	20	27	0	9	36	25
12	12	6	2	25	26	8	20	0	18	6	5	2	0
5	6	1	6	4	1	0	7	1	3	7	4	20	2
1													
OTU275	2	2	6	6	3	3	3	3	0	1	2	24	1
14	6	20	5	0	1	3	65	8	1	4	9	14	0
3	8	8	7	12	1	2	10	4	28	4	2	13	3
3	10	1	50	13	2	0	1	5	3	11	3	3	2
2	2	12	3	8	4	7	4	3	12	2	2	5	2
2	1	5	21	0	8	3	3	12	1	1	1	3	2
2	5	4	1	7	0	28	4	1	43	22	0	0	11
16	0	0	1	0	1	1	1	2	2	21	10	27	1
0													
OTU872	20	16	21	12	43	26	20	28	33	44	22	16	10
21	54	17	7	34	19	3	10	10	21	4	16	11	12
15	6	34	25	13	18	7	15	9	14	16	23	45	18
19	23	23	18	27	5	8	5	29	72	15	10	7	4
7	16	24	12	10	18	9	16	14	26	29	7	14	6
66	22	21	10	41	10	8	32	8	16	5	92	3	21
18	10	5	7	7	43	5	19	9	17	28	10	14	4
6	25	22	6	20	27	5	11	8	13	12	2	9	17
116													

OTU83	13	30	18	0	8	10	14	24	16	23	5	5	14	71
	6	24	32	7	102	29	2	32	0	39	6	33	34	10
	5	0	9	11	0	33	17	8	0	42	1	45	15	5
	2	20	3	193	4	9	5	1	18	115	5	8	2	16
	9	45	8	59	31	43	9	27	46	3	46	15	87	24
	0	38	17	11	15	9	98	25	7	26	38	0	3	11
	111	1	12	3	8	10	29	52	15	7	0	0	13	10
	0	24	3	1	5	0	0	2	1	8	11	48	11	2
OTU1709		22	19	22	0	15	41	15	75	31	10	10	7	18
	0	6	0	7	0	0	6	7	0	0	1	1	5	0
	11	0	0	6	1	0	0	1	1	4	2	6	4	0
	26	1	0	6	0	0	0	0	0	0	5	0	1	1
	0	1	0	2	0	1	2	2	0	0	1	0	0	0
	1	1	41	3	15	1	2	3	2	77	1	4	7	3
	0	3	1	6	19	5	3	4	0	1	8	1	2	0
	0	0	4	7	4	5	0	0	0	3	11	1	15	1
	4													
OTU854		38	22	42	32	71	29	21	38	41	71	26	36	15
	20	69	40	18	69	29	10	28	17	33	13	27	22	27
	17	14	52	38	13	35	8	25	12	32	20	39	62	30
	40	30	44	22	18	13	5	8	52	74	14	25	10	10
	25	17	27	36	14	29	8	27	50	24	34	22	33	22
	74	36	41	17	74	16	10	55	15	19	8	115	20	31
	28	26	16	20	15	49	19	43	7	24	41	17	19	16
	9	47	40	26	28	37	12	40	10	23	16	11	21	27
	81													
OTU12311		2	3	31	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	8	0	1
	0	0	0	0	2	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	0	0	0	0	0	2	0	0	0	0	0	0

0	0	0	0	0	8	0	0	0	1	0	0	0	0
0													
OTU200	10	28	11	7	11	11	6	25	13	13	0	45	0
3	22	11	2	1	11	8	31	0	0	7	4	153	16
25	3	4	4	8	3	2	1	19	31	119	0	7	19
13	26	1	24	4	13	8	10	2	0	30	0	3	41
1	12	0	5	1	0	4	2	1	1	1	8	15	1
1	12	17	238	5	37	2	2	40	12	41	10	5	3
11	2	519	11	124	6	21	7	1	37	3	1	4	2
9	7	21	15	9	2	5	18	9	29	14	22	5	19
26													
OTU205	5	2	3	1	3	3	1	4	1	3	10	3	0
2	4	12	2	10	2	9	9	1	5	3	2	4	16
0	0	1	1	2	11	2	3	3	6	4	1	1	11
2	2	0	5	1	8	9	4	0	0	2	0	1	7
0	6	1	1	0	0	1	1	0	0	0	1	2	0
0	3	12	1	2	4	1	0	6	0	12	0	7	0
6	0	2	1	2	4	6	5	2	9	1	1	4	2
8	0	0	0	1	1	0	1	0	6	2	2	6	0
2													
OTU10404	3	1	0	3	9	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	1	2	0	0	0	0	0	0
0	0	0	5	0	0	1	0	0	0	1	0	0	0
0	0	0	0	0	0	0	0	0	0	0	2	0	1
0	0	0	1	0	0	1	0	7	0	0	0	2	0
0	0	6	3	7	0	0	0	0	0	2	0	0	0
7	0	0	0	0	0	0	0	0	0	1	0	0	0
0													
OTU4	58	440	126	841	1701	216	507	78	270	27	355	10	172	4
105	612	953	1019	862	49	466	225	4412	1771	1594	75	122	65
266	1317	657	275	613	606	265	112	149	40	1557	200	276	62
143	156	72	580	400	212	591	642	6	1221	28	1875	385	1049

678	1378	72	1012	57	2399	57	59	1290	260	140	60	4964	842
3	545	579	273	510	158	57	58	232	198	14	84	60	572
116	714	62	154	29	27	21	29	210	40	218	8	1694	50
5	13	14	13	5	34	206	22	10	23	182	79	0	18
OTU9649	1	0	2	0	0	2	1	2	6	1	0	0	0
0	0	1	0	1	2	0	1	0	1	0	0	0	0
1	0	0	1	0	1	1	1	1	0	0	1	2	0
1	1	0	3	0	2	0	0	0	1	0	0	1	0
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0	1	0	0	0	0	0	1	0	0	1	0	0	1
1	0	1	0	0	0	0	1	0	0	0	1	1	1
0													
OTU11736	1	0	0	0	0	0	1	0	0	0	0	1	0
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1	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0	0	0	0
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0	1	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU5858	20	0	29	22	36	21	59	10	17	27	1	29	1
8	17	11	1	15	6	10	7	1	0	0	17	2	0
8	0	35	4	6	1	0	0	18	0	2	0	6	4
10	59	0	90	3	10	1	16	5	0	8	1	7	0
0	12	1	38	2	1	5	1	0	3	2	0	18	1
0	7	27	20	15	51	0	0	5	45	8	4	55	11
7	3	43	23	33	9	4	12	1	38	24	6	7	5
10	7	8	5	7	3	2	7	12	9	18	20	2	4
7													
OTU306	3	2	2	0	0	0	6	0	11	1	0	0	1
0	2	0	3	0	3	1	2	33	0	6	0	87	0

39	39	0	0	0	0	2	0	0	0	45	0	2	0
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0	1	2	2	2	7	0	9	33	0	4	0	19	0
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0	1	0	4	0	0	1	1	0	0	0	1	4	0
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13													
OTU2998	3	14	7	5	1	1	8	3	10	1	0	1	0
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15	0	0	0	1	0	3	1	2	5	0	0	2	0
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1	7	0	1	2	3	8	9	4	4	3	0	4	0
5	18	3	2	2	0	7	20	3	3	2	8	4	22
3	26	2	1	6	13	8	10	0	0	0	1	11	0
0	15	20	2	21	23	19	3	8	11	1	0	3	3
0													
OTU38 69	92	375	111	65	23	555	404	247	497	2	49	1	4
56	0	19	1	6	491	6	1	0	1	3	5	0	90
0	0	6	2	3	15	6	40	16	34	0	557	9	478
35	8	90	1	160	2	51	0	5	7	88	4	8	0
161	0	145	0	7	2	15	25	0	13	2	100	2	23
101	1040	9	668	6	3	56	30	802	2	192	44	862	2
37	3	687	29	517	2	275	0	28	11	65	59	3	1
99	98	168	107	80	83	70	34	111	11	13	2	87	72
OTU767	1	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													

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0													
OTU1411	1	0	0	0	0	1	0	0	2	0	0	0	0
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0	2	0	0	0	0	0	0	0	0	0	0	0	0
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64	459	399	476	17	127	6	204	50	472	258	637	960	238
46	24	122	211	29	320	578	27	255	710	64	260	2	452
10	184	418	202	52	9	115	13	48	280	76	48	64	4
275	244	58	219	11	114	13	29	243	3	263	93	219	20
65	346	46	9	42	35	105	24	65	164	12	560	61	508
32	82	63	166	20	109	241	285	502	589	127	47	95	276
51	55	98	94	7	30	180	36	52	213	165	394	196	37
OTU173	25	27	1	0	0	30	2	1	12	9	3	2	6
1	8	0	0	3	0	5	0	1	0	0	15	64	14
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83	0	111	16	0	16	0	3	0	17	0	5	4	2
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10	4	47	1	16	6	0	16	0	8	1	158	1	9
0	1	2	44	2	3	0	7	189	129	4	1	13	246
0	9	4	1	2	0	5	3	1	11	35	243	8	1
OTU311	16	0	23	6	0	37	0	0	12	0	0	3	0
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8													
OTU1130	16	16	29	12	59	12	21	28	32	57	23	15	10
26	86	23	9	44	24	6	23	12	11	10	21	19	14
12	10	40	22	12	19	6	11	4	12	14	28	45	19
33	30	28	26	21	15	10	5	28	60	12	4	7	9
18	12	16	15	12	18	11	18	22	16	19	17	19	9
63	31	13	6	48	15	8	42	13	18	9	69	11	22
17	10	10	3	13	47	5	19	9	14	20	18	14	13
9	17	27	14	28	24	9	15	14	15	21	9	7	21
91													
OTU387	5	9	8	0	0	0	0	0	5	0	0	0	0
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	4													
OTU85	20	0	29	21	67	42	16	10	59	2	6	7	1	23
	18	29	18	0	10	8	22	17	0	2	0	53	92	4
	28	0	2	28	9	40	18	15	0	14	0	10	19	13
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	13	20	14	2	11	21	36	21	37	8	0	24	13	30
	10	64	0	15	0	0	27	0	1	2	9	6	26	0
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OTU9000		2	3	6	0	0	0	2	2	2	9	0	0	0
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	0													
OTU11024		1	0	0	0	0	0	0	0	0	0	0	0	0
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OTU105	15	0	17	3	0	37	97	195	152	33	0	0	1
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18	0	1	4	0	90	0	47	0	17	2	60	0	0
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0	15	0	49	1	79	28	102	0	0	0	5	8	0
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3													
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14													

OTU210	1	13	0	0	0	0	6	0	1	2	0	0	0
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0	110	12	13	23	10	1	50	2	6	0	3	0	14
77													
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74	12	7	13	81	31	1	4	3	22	10	114	0	41
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0	13	43	66	1	0	94	0	1	1	2	22	2	2
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2	0	5	29	1	4	19	0	3	3	22	0	0	0
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24													
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2	3	1	2	0	1	1	1	4	3	0	0	0	0
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5													
OTU978	4	18	1	2	10	2	2	10	17	4	0	5	0
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35													
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OTU31 4	10	2	123	2	2	16	1	7	1	375	69	406	2215
0	79	85	64	1830	0	17	5	73	9	16	1	41	1
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22													
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79	0	0	1	9	88	0	45	37	127	0	2	76	78
0	0	6	12	5	32	0	19	0	27	231	36	0	0
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43	7	20	2	24	32	48	6	24	7	29	3	6	5
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74 4 0 3 32 6 7 0 9 0 23 0 12 0
22 6 3 105 7 4 0 15 0 1 16 2 9 2
2 9 1 27 0 3 10 3 5 8 1 0 34 1
2 1 86 0 107 417 1 7 3 26 1 2 43 48
0 23 1 421 3 68 7 22 1 9 22 2 9 9
0 2 3 0 2 4 2 13 1 7 1 0 5 2
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29 2 0 0 3 0 1 0 0 1 1 0 13 1
35 12 1 2 0 0 0 1 0 0 0 33 0 0
0 0 0 27 0 4 1 6 2 0 3 0 51 0
2 24 3 0 82 15 0 20 0 23 3 408 1 145
0 4 0 196 0 9 0 73 0 11 0 62 340 0
0 21 60 5 11 26 7 161 27 241 53 2 3 4
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12	102	48	42	27	35	8	34	32	33	1	4	2	17
27													
OTU147	8	31	13	16	9	8	19	38	26	10	2	4	7
1	8	2	20	5	0	9	16	5	0	5	9	36	13
36	2	2	3	16	0	25	6	10	10	8	1	13	1
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8													
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	0	1	0	0	2	6	0	7	0	0	2	0	1	0
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	0	0	0	1	0	1	2	2	6	0	0	1	0	4
	9													
OTU676		1	9	0	2	0	0	0	0	1	2	0	1	0
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	10	216	0	0	0	2	0	3	0	4	35	1	3	1
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	19													
OTU4011		21	106	18	16	60	61	2	11	6	4	2	19	0
	12	19	0	4	0	0	9	19	7	0	3	11	12	0
	0	1	45	58	0	11	5	67	8	34	20	4	5	64
	0	7	2	20	0	3	71	2	3	0	20	3	3	1
	1	0	0	23	5	2	9	3	1	1	1	1	2	14
	4	0	20	126	0	1	19	3	52	8	18	2	18	3
	2	2	95	13	14	2	60	4	31	41	34	0	0	0
	118	0	0	1	0	0	0	0	7	2	58	58	89	1
	0													
OTU273		28	0	3	0	0	2	0	0	0	0	12	0	4
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	14	0	0	0	0	0	0	0	0	12	3	1	0	0

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	0	0	0	10	0	0	0	0	0	1	0	0	0	0
	0	1	1	0	6	0	0	0	0	0	0	0	3	4
	0	1	1	9	0	0	0	0	0	3	0	0	3	0
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	0													
OTU318		2	0	2	0	0	1	4	1	0	1	0	0	0
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	4	7	0	0	6	0	2	0	1	2	0	0	6	0
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	4	8	3	0	2	2	1	42	0	1	1	11	0	18
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OTU11547		3	4	0	0	1	4	3	0	0	2	0	0	0
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	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	0													
	25	17	28	27	11	17	19	20	13	17	24	12	12	1
	16	36	4	16	0	59	4	0	1	2	7	11	13	11
	0	5	13	1	3	10	0	4	53	13	0	17	0	8
	1	1	1	10	35	28	55	0	0	24	1	0	21	0
	16	6	31	2	1	0	1	1	2	0	5	12	2	0
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	1	0	31	17	6	0	9	1	88	64	2	2	2	50
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OTU2301	4	2	5	4	6	1	2	1	3	8	2	3	3
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	2	2	6	4	4	6	1	0	2	2	5	5	12	4
	5	2	3	3	1	1	1	3	3	12	0	1	0	0
	2	2	1	5	2	5	2	0	4	2	4	9	6	0
	6	0	2	3	11	4	2	7	2	2	0	16	1	2
	3	2	0	0	2	9	2	2	3	1	5	1	1	3
	1	3	6	4	1	4	1	3	2	3	0	1	2	4
	11													
OTU10897	7	1	1	10	11	10	5	5	2	7	3	5	5
	3	3	1	0	1	4	6	0	0	0	0	0	1	2
	1	0	2	0	0	2	1	1	7	0	0	1	7	2
	4	0	1	0	0	5	3	8	0	0	0	0	0	2
	0	9	1	7	2	0	0	1	0	1	0	0	7	0
	1	2	6	1	3	3	1	4	3	7	1	0	0	3
	0	3	0	3	2	4	0	3	2	1	3	0	2	0
	0	1	0	1	0	0	0	3	3	2	2	0	0	5
	1													
OTU244	5	6	10	9	19	18	31	10	16	30	19	57	12
	11	15	4	0	12	3	25	9	1	0	1	3	4	4
	16	1	2	0	1	6	4	31	29	3	5	3	58	8
	46	4	1	2	13	67	17	87	0	0	30	4	0	31
	0	125	0	41	19	1	2	5	1	9	2	0	124	1
	3	30	19	4	15	3	1	5	4	57	6	3	1	18
	6	4	0	15	13	21	3	45	11	10	15	23	33	3
	9	49	95	69	27	42	18	26	58	69	16	9	2	78
	54													
OTU80	12	5	2	37	4	1	5	2	0	0	11	230	42	25
	14	0	4	0	0	6	3	1	4	0	2	0	23	0
	0	0	1	16	6	0	65	22	9	4	14	1	0	1
	6	2	7	10	0	7	2	5	0	62	5	6	6	6
	2	42	2	5	0	4	0	2	19	1	123	2	0	9
	1	2	5	0	91	8	0	0	3	13	0	6	0	3

2	160	2	67	0	0	0	46	0	38	0	0	19	68
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OTU289	24	0	1	1	0	4	4	2	0	76	0	0	0
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OTU946	14	9	18	14	39	19	12	19	22	30	32	18	12
10	28	21	5	42	20	4	14	20	20	8	9	13	8
15	11	38	22	12	19	5	26	10	14	8	22	33	18
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25	14	16	12	43	13	2	40	5	11	6	79	9	13
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10	24	26	16	18	18	2	16	11	10	11	9	6	17
35													
OTU5318	3	2	0	13	5	9	8	5	0	0	0	1	0
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	0	1	0	2	0	11	3	0	0	0	0	0	0	0
	2	0	0	0	0	0	0	0	0	0	1	0	0	0
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OTU10261		2	1	1	0	0	0	1	2	17	0	0	1	7
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	1	0	28	1	23	2	6	1	6	5	36	1	5	0
	4	3	11	12	7	4	3	29	4	4	2	4	1	0
	7	0	8	1	1	0	2	16	4	0	0	6	1	2
	3	38	1	1	4	0	2	13	0	0	0	0	0	0
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	5													
OTU11012		1	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU89	10	31	8	4	13	1	4	3	3	1	0	39	0	56
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	2	3	1	68	176	0	4	34	1	114	225	13	0	5
	11	74	69	10	19	8	6	0	12	16	18	64	36	2
	5	0	0	0	1	0	1	1	2	7	3	3	9	0
	1	1	0	0	3	60	7	1	72	12	4	2	7	35
	2	9	56	1	94	46	2	84	13	9	5	91	43	33
OTU1023		14	10	17	12	38	17	8	19	23	28	14	17	13
	18	15	19	8	38	10	10	16	14	19	7	8	12	11

	12	6	40	28	15	18	3	19	7	16	12	32	55	17
	18	14	29	13	16	10	5	8	27	50	11	11	8	10
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	35	13	19	8	45	6	12	33	11	10	11	85	5	17
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	10	21	12	14	17	15	6	17	7	14	16	9	4	12
	31													
OTU6111		2	1	3	0	3	3	1	3	3	1	2	1	0
	2	3	4	2	2	2	0	2	0	0	1	0	2	2
	5	1	2	2	0	3	0	1	0	1	1	0	6	1
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	2	2	2	1	5	2	1	5	1	0	0	8	0	1
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OTU1361		1	12	0	0	2	0	1	0	8	2	0	0	0
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	0	3	0	12	1	0	10	2	1	2	0	0	0	11
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OTU109		20	16	41	51	14	104	198	34	343	324	0	20	2
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	306	5	16	0	6	2	42	7	64	13	568	1	860	4
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	7	449	30	233	28	6	50	3	26	156	5	3	432	14
	29	1177	297	3	82	3	4	80	12	476	64	158	10	375
	5	36	3	256	29	444	10	568	2	11	0	1014	2771	11

	1	248	340	1485	290	445	639	1117	871	1236	4	14	7	2053
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OTU11013		1	0	0	0	0	0	0	0	0	0	0	0	0
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OTU10266		5	0	1	1	8	1	1	2	4	4	1	2	2
	1	14	2	1	4	2	3	1	3	2	2	2	0	2
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	6	4	1	3	2	0	1	2	2	6	2	3	1	1
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	5	0	3	0	3	5	0	5	0	3	2	0	1	0
	1	3	2	1	5	5	2	5	2	0	1	0	1	3
	11													
OTU8465		10	0	5	19	4	27	3	26	0	10	1	0	0
	0	4	0	1	1	0	14	0	0	0	0	0	27	26
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	4	3	0	0	0	2	0	0	0	1	0	0	0	0
	0													
OTU7332		8	1	0	0	0	0	0	0	0	0	0	6	0
	0	0	2	0	0	0	1	0	49	0	37	10	4	0
	17	43	0	1	8	0	1	0	0	0	10	0	5	0
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OTU336	2	1	1	0	3	3	1	4	5	5	0	1	0
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9													
OTU130	1	7	2	8	1	1	0	1	1	1	0	2	0
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24	0	1	1	0	0	0	1	0	0	66	2	94	0
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OTU8177	1	0	1	0	0	0	0	0	0	0	0	0	0
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1	1	0	1	0	1	0	0	2	0	0	0	0	2
1	0	0	0	0	1	0	1	0	2	1	3	1	0
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OTU144	14	1	1	0	0	0	0	0	3	1	1	3	23
13	0	2	17	0	0	6	11	44	0	3	0	6	1
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3	0	20	0	31	0	6	0	13	3	29	0	16	1
9	0	2	0	101	19	8	35	7	22	7	30	0	40
26	0	1	0	0	0	0	0	29	1	0	0	0	5
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31	0	2	0	0	1	1	0	3	4	0	5	16	6
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OTU692	1	0	2	0	0	1	0	0	2	1	0	3	0
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0	4	0	1	0	4	0	0	0	0	3	0	0	0
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OTU187	12	13	9	0	0	2	5	5	10	21	0	2	0
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3	1	0	1	0	0	0	1	0	1	0	2	0	0
0	0	0	0	1	0	0	1	0	0	0	0	0	0
0	126	2	0	2	1	0	1	0	2	1	7	0	8

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	1	21	18	48	5	4	2	72	9	34	1	1	2	23
	19													
OTU7897	1	1	0	0	0	2	0	1	0	0	0	1	0	
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	0	0	0	0	0	0	0	2	0	0	0	0	2	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	2	0	1	0	0	1	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU156	2	12	12	4	2	12	12	4	22	21	1	9	0	
	3	5	0	1	1	14	1	0	0	1	1	12	0	20
	20	0	1	3	0	8	0	4	3	3	0	2	8	21
	9	7	0	7	24	3	12	0	0	0	130	4	2	0
	0	0	9	6	4	2	0	0	1	3	0	2	10	2
	0	2	22	22	11	4	57	4	10	14	9	32	19	24
	26	1	42	11	22	15	17	22	2	1	2	0	4	2
	6	9	23	15	23	95	6	9	31	23	2	6	3	26
	11													
OTU176	5	4	4	0	0	1	9	3	3	1	1	2	1	
	2	2	0	4	19	2	0	3	5	33	2	4	2	1
	0	3	0	3	1	2	14	0	0	6	9	1	3	0
	5	10	0	229	2	3	1	8	6	2	3	2	4	0
	1	7	12	2	5	8	17	6	2	1	3	0	8	0
	7	11	1	1	2	27	28	10	24	5	14	12	29	6
	4	28	13	1	18	1	14	0	0	1	1	11	9	0
	0	36	12	1	6	7	2	1	4	5	3	1	0	6
	7													
OTU1107	6	5	8	10	28	12	11	14	23	24	11	17	3	
	9	28	16	7	24	13	5	16	8	15	3	11	7	10
	5	8	25	13	6	14	0	5	6	6	9	11	23	9

13	10	17	7	6	4	5	4	15	31	3	7	3	4
6	7	9	14	7	11	5	11	15	7	15	7	10	7
28	7	17	2	24	6	2	24	1	14	6	52	4	7
6	3	9	5	7	24	7	15	3	10	13	4	4	2
8	16	10	9	12	11	0	6	3	3	10	1	2	14
32													
OTU283	3	2	1	0	0	0	0	0	30	43	0	0	0
0	0	1	0	0	0	21	3	0	0	0	1	0	0
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0	0	0	1	2	6	4	0	2	2	0	0	0	4
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OTU12211	1	0	0	0	0	0	0	0	0	0	0	0	0
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OTU11512	1	0	0	0	0	1	2	0	0	0	0	0	0
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OTU884	23	10	22	13	62	15	21	18	22	31	20	12	12
18	88	25	19	30	19	11	20	12	20	13	14	20	10
10	8	42	22	10	18	6	16	9	18	15	22	39	22
31	8	26	22	10	12	6	4	26	72	9	10	6	7
15	12	22	23	9	23	9	16	34	16	22	13	25	11
67	25	24	8	52	9	15	52	12	14	10	63	8	21
21	11	4	16	26	44	2	14	8	10	19	8	13	10
10	31	15	9	19	20	7	10	16	16	9	7	5	20
84													
OTU14854	8	0	12	0	0	0	0	0	0	0	0	0	0
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1	0	0	0	0	0	0	0	0	0	0	35	0	0
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0	2	0	0	0	0	0	0	0	0	0	8	0	1
0	5	0	1	0	0	0	3	0	3	0	0	1	0
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OTU14244	13	0	0	0	0	0	0	18	0	0	0	0	0
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0	0	0	0	0	0	9	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU5453	3	0	2	2	8	3	3	2	5	4	2	5	1
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	2	5	2	3	3	1	2	0	2	9	1	3	3	0
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	5	6	2	1	6	1	0	2	0	2	2	6	2	3
	7	1	2	0	3	5	1	3	1	0	1	0	3	1
	4	5	1	3	4	2	2	4	1	0	1	0	1	1
	12												
OTU14274	1	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU11157	1	0	0	0	0	0	0	0	0	0	0	0	0
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OTU831	14	10	16	19	35	12	10	14	24	36	13	16	10
11	32	22	7	39	15	12	18	13	18	6	8	11	16
12	8	44	21	12	20	2	16	8	15	12	15	61	15
24	17	20	15	6	9	5	8	22	51	10	4	14	6
13	8	16	17	8	29	9	10	13	18	19	15	20	9
45	11	27	11	54	12	9	42	13	10	8	74	7	14
17	9	11	14	11	32	5	9	5	9	34	7	12	9
14	14	13	16	18	18	9	17	10	12	4	5	3	15
45													
OTU15209	1	0	0	0	0	1	1	0	0	0	0	0	0
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OTU12159	2	2	4	0	0	3	0	1	0	2	0	0	2
1	1	1	0	1	0	2	2	0	0	0	1	0	1
1	0	0	3	1	3	2	1	0	1	0	0	0	2
3	2	0	0	2	0	0	0	0	0	2	1	0	0
0	0	0	1	0	0	1	0	0	0	0	4	2	0
0	0	0	3	3	3	2	0	3	0	0	1	1	0
1	0	2	0	1	0	2	1	0	3	0	0	0	1
1	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU170	8	5	9	13	1	4	0	15	11	36	0	14	1
6	2	21	0	1	4	19	43	2	1	19	0	2	2
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4	12	1	19	23	3	3	2	0	0	13	0	2	1
0	7	1	19	8	1	10	1	1	8	1	24	3	11
0	4	5	5	9	0	0	5	11	11	4	2	7	1
6	4	1	12	8	0	12	0	8	25	8	1	0	2
8	10	3	26	3	3	2	1	1	4	6	1	9	8
2													
OTU508	2	0	0	10	0	0	0	0	0	0	0	0	0
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4	0	0	0	1	0	3	0	0	1	2	0	0	0
0	0	0	0	0	0	1	0	0	6	0	0	0	0
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0	0	0	0	0	0	0	1	0	4	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU69	8	4	8	7	6	7	5	19	12	2	11	11	4	2
9	7	55	6	4	55	9	10	3	16	4	8	9	5
4	9	4	7	1	10	3	8	4	63	5	16	1	20
6	3	6	6	41	23	24	4	9	5	7	4	29	3
6	2	19	4	5	2	4	1	6	6	8	26	2	7
8	6	3	5	3	16	4	19	11	3	4	2	5	22
7	4	14	3	6	2	15	8	6	5	5	13	4	11
15	15	10	13	10	11	105	12	9	4	9	14	148	1174
OTU890	1	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	1	1	0

0	0	0	0	0	0	0	3	0	0	0	0	0	1
0													
OTU3461	3	20	2	0	0	2	29	8	26	6	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	16	0	0	0	0	0	0	0	0	0	0	0	0
6	0	11	0	0	0	0	0	0	0	1	0	0	0
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1	1	7	0	0	0	0	33	0	12	0	3	0	0
0	51	0	3	0	0	0	10	0	0	0	0	0	0
0	0	0	0	2	0	0	2	0	1	0	0	0	0
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OTU2223	1	1	6	0	2	0	3	2	17	21	1	7	1
0	0	1	0	3	3	12	52	0	0	0	0	1	0
69	0	0	3	0	0	0	5	0	6	1	0	0	6
1	5	0	0	0	1	1	0	0	1	0	0	0	0
0	10	0	1	0	1	1	1	2	0	0	0	2	0
2	6	28	2	0	1	1	0	2	1	1	5	2	0
3	3	1	14	1	5	0	0	0	0	9	5	4	0
0	4	3	6	3	2	8	14	3	6	2	0	0	10
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OTU4302	4	0	0	0	0	0	2	0	0	0	0	1	0
0	0	1	0	0	0	1	3	0	11	1	0	1	0
3	0	0	0	1	1	0	0	0	6	0	0	0	0
0	2	0	3	0	1	0	0	5	1	4	40	2	0
1	0	0	14	1	2	6	4	12	1	0	0	2	0
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0	3	0	2	3	3	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	1	0	0	0	0	0	0
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OTU240	19	0	0	5	0	0	2	1	1	3	33	5	143
14	1	42	0	3	2	0	97	6	2	1	11	2	19
0	0	3	37	0	29	2	5	5	12	2	8	0	1
1	35	1	26	0	1	7	1	9	1	10	1	11	1

19	0	1	0	1	6	2	2	4	7	5	2	0	0
0	1	1	39	33	37	23	0	66	4	2	9	30	8
10	5	33	0	14	0	12	0	16	4	24	0	0	6
36	0	2	0	0	0	0	0	2	0	11	26	11	0
0													
OTU14676	2	0	1	0	2	0	1	1	2	0	1	0	0
0	0	0	0	2	0	0	1	0	1	0	0	0	0
0	0	1	0	0	1	0	0	1	0	0	2	1	1
2	1	0	1	0	0	0	0	1	1	0	1	1	0
1	0	0	0	0	0	0	0	0	0	0	1	0	0
1	1	2	0	0	0	0	3	1	0	0	1	0	1
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0													
OTU9877	2	2	2	0	0	0	2	8	11	6	0	0	0
0	5	1	0	0	0	3	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	1	0	1	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	14	0	2	1	0	0	0	0	0	0	0
0	2	0	0	0	0	0	0	0	0	0	0	1	0
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OTU12391	2	0	0	1	0	0	0	3	0	5	0	0	0
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0	0	3	0	1	1	0	0	0	0	0	0	0	1
0	0	1	0	0	0	0	0	1	0	1	0	0	0
0	1	0	0	0	0	0	1	0	0	0	0	0	0
1	0	0	0	2	0	0	1	0	0	0	3	0	1
0	0	0	2	0	2	0	0	0	0	0	0	0	0
0	0	0	0	1	1	0	0	0	0	0	0	0	0
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OTU1093	1	0	0	0	0	1	1	2	0	0	0	0	1
2	0	1	0	0	0	0	1	0	1	30	0	0	0
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0	1	1	0	0	0	4	0	0	0	0	2	0	1
0	0	0	0	0	0	1	0	1	0	0	2	0	1
0	0	0	1	0	1	7	0	2	0	5	0	3	0
0	0	9	0	0	3	2	0	8	1	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	3	9	0
0													
OTU6248	1	1	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	1	0	0	1	0	0	0	0	0
0	0	0	0	0	0	1	0	0	1	0	0	1	0
0	0	0	0	0	0	0	0	0	0	0	2	0	0
0	0	0	0	0	0	0	0	0	1	0	0	0	0
0	0	1	0	0	0	0	0	0	0	0	0	0	0
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OTU11015	1	0	0	0	0	0	0	0	0	0	0	0	0
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5 3 2 0 7 2 12 1 0 0 0 0 0 0
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0 18 0 2 1 0 0 0 0 0 0 1 0 1
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30 0 2 4 0 0 0 18 5 1 20 12 3 1
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OTU1584 1 0 0 4 2 1 3 0 0 4 4 9 2
1 7 0 0 0 0 1 0 0 0 0 0 0 0
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21													
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1	2	13	7	3	0	3	0	2	0	0	1	5	0
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4													
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OTU669	11	33	21	7	5	6	13	22	7	15	2	6	2
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7	1	1	16	9	0	5	0	40	2	0	0	5	0
18	27	0	21	18	7	0	7	1	0	12	0	1	3
1	12	1	14	4	0	4	0	2	2	1	11	19	2
0	7	3	1	6	49	9	1	54	3	67	2	1	1
25	2	35	13	0	10	31	4	2	14	0	8	11	0
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11													
OTU2747	2	0	1	0	0	0	3	0	0	4	0	0	0
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3													
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27	0	11	0	0	368	0	0	0	1	0	0	14	0
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0	193	0	5	0	2	1	294	8	87	0	0	231	15
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7													
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0													

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13													
OTU253	11	0	33	0	0	18	3	0	0	0	0	8	0
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3													
OTU3506	3	0	0	0	1	1	2	0	1	0	0	0	0
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OTU296	6	11	4	42	28	3	6	8	47	3	0	0	0
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OTU4737	9	4	5	4	20	5	6	12	10	17	8	3	3	
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	3	2	12	6	5	4	4	2	1	8	4	9	3	12
	6	6	5	7	5	3	0	2	10	10	3	4	1	5
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	6	5	4	2	4	11	1	3	1	5	4	10	7	6
	1	0	5	4	5	7	0	1	2	5	4	5	3	3
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OTU288	2	1	16	10	0	1	25	16	20	0	0	2	0	
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	8	10	2	0	0	6	0	0	14	38	3	10	11	0
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	1	41	0	8	0	5	0	73	0	0	1	5	3	0
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	2													
OTU7251	1	0	0	0	0	0	0	0	0	0	0	0	0	
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OTU214	3	34	9	1	4	5	3	3	12	1	0	3	0	
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OTU1530	1	0	0	0	0	0	0	0	0	1	0	0	1
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	0												
OTU93	10	4	5	2	4	0	26	3	1	21	1	3	0	1
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	22	0	17	1	0	4	12	0	0	0	0	0	0	0
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	287	4	1	8	23	4	2	3	4	43	3	18	3	2
	1	6	10	7	3	6	2	0	4	0	843	181	1	1
	79	22	91	138	59	77	67	29	88	2	13	7	175	209
OTU297	3	0	4	1	0	0	0	0	8	0	0	1	1
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	0													
OTU618	5	3	3	0	0	0	1	2	0	0	1	0	0
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OTU1778	1	2	0	0	1	2	3	0	1	2	3	0	1
0	2	2	0	3	0	0	2	2	0	0	2	1	0
1	0	2	1	1	1	0	2	0	1	1	5	6	1
1	1	0	2	0	0	0	1	1	5	1	0	0	0
3	0	2	0	1	1	0	1	3	0	1	1	1	1
6	0	3	0	5	2	0	0	0	1	0	4	0	2
2	1	2	0	1	3	1	1	0	0	3	0	1	2
1	0	2	0	3	0	2	0	0	1	1	1	0	2
2													
OTU3470	2	0	3	0	1	2	2	0	4	5	0	1	0
0	0	0	11	1	0	12	0	11	0	1	0	2	0
2	10	0	0	0	0	0	0	1	0	0	0	13	0
0	3	13	0	0	0	0	1	1	20	1	13	0	0
5	5	0	5	0	5	0	8	15	0	6	1	4	0
1	0	1	1	0	2	0	4	0	2	0	7	0	0
0	1	0	5	0	2	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	1	0	3	0
0													
OTU46 11	2	3	0	0	0	1	0	64	12	0	1	5	7
3	1	10	0	0	7	27	17	2	14	1	1154	0	1704
10	0	0	1	1	238	0	0	3	0	0	524	0	19
0	0	0	0	0	0	0	0	0	0	0	2	0	0
0	0	0	0	0	70	0	67	0	1	1	6	0	27
0	0	0	0	0	0	0	0	14	0	0	0	0	0
591	0	0	0	8	0	0	0	0	0	1	0	0	0
0	0	1	2	4	1	0	0	1	2	0	88	2	0
OTU153	12	11	19	8	1	12	31	2	21	9	2	6	4
3	7	26	13	6	2	7	9	15	15	4	24	60	40
11	4	0	4	2	9	9	0	1	52	0	0	5	0
10	7	6	6	2	3	1	3	31	9	20	14	18	0
9	19	1	24	2	1	10	5	6	1	12	14	27	6

3	11	6	1	24	18	12	16	56	28	4	15	32	40
8	14	20	8	6	10	19	30	0	4	1	3	8	1
0	2	14	3	7	7	8	10	14	42	7	1	3	4
1													
OTU14272	1	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU4681	1	0	2	1	2	1	1	0	1	2	0	0	0
0	1	0	0	3	0	1	1	0	1	0	0	0	0
1	1	2	1	0	1	0	0	0	2	0	1	2	3
1	1	1	0	0	0	0	0	1	5	1	0	1	0
1	0	0	1	1	2	0	1	2	0	0	0	3	1
6	1	1	1	1	1	0	5	0	3	0	3	1	1
2	0	1	0	0	5	0	2	0	0	2	0	1	0
1	4	0	0	0	1	0	1	0	3	0	1	0	1
4													
OTU744	7	3	0	0	3	0	12	10	2	0	2	0	5
5	30	5	0	78	13	0	1	0	154	2	36	0	2
0	0	14	0	0	47	0	3	92	4	0	66	0	5
0	0	14	41	0	0	66	0	0	0	0	0	0	12
0	2	0	1	0	0	1	0	0	0	0	0	0	0
0	0	1	7	1	27	65	0	12	1	55	0	11	0
1	0	15	0	3	11	0	0	7	0	1	0	0	1
1	0	0	0	0	0	0	2	0	0	2	6	2	0
0													
OTU862	1	0	1	1	2	0	1	1	1	1	14	1	24
10	1	11	18	4	37	1	9	4	8	2	2	0	6

	0	2	16	70	23	31	3	3	2	13	8	28	0	61
	1	1	1	7	4	0	1	0	7	10	4	0	1	6
	7	1	23	0	3	8	3	2	4	2	0	6	1	7
	0	3	0	7	0	7	9	7	7	0	9	4	5	0
	4	9	31	0	2	0	1	1	25	0	12	6	12	21
	5	13	7	15	17	5	6	2	2	5	4	4	28	17
	2													
OTU166		8	6	22	2	12	1	44	10	241	50	0	10	0
	0	7	0	1	0	2	9	32	0	0	0	0	0	0
	10	0	0	1	0	1	0	2	2	7	0	0	3	0
	61	8	1	41	2	23	0	1	0	1	0	7	1	2
	0	2	0	7	0	5	0	1	1	0	1	0	4	0
	2	53	167	0	96	0	0	13	2	129	1	24	14	24
	2	1	1	103	6	35	0	125	0	2	9	82	43	2
	0	56	56	41	156	66	26	94	16	35	0	11	0	81
	22													
OTU14271		1	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU12221		1	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	1	0

	1	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU11006	1	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU1907	2	3	1	0	0	0	1	0	2	4	0	1	0
	0	2	0	0	0	1	0	1	2	0	1	1	5	2
	1	0	2	0	4	2	3	0	0	0	2	0	10	2
	1	2	0	1	12	5	0	5	0	0	7	0	0	12
	0	2	1	1	1	0	0	2	2	1	0	14	4	0
	0	1	10	3	1	2	0	0	2	2	0	0	4	0
	1	0	3	2	2	0	0	4	0	0	0	0	1	0
	3	0	0	4	0	5	0	3	0	6	2	0	3	0
	1												
OTU204	4	1	0	0	0	0	26	0	1	0	0	0	1
	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	0	0	0	0	1	0	1	0	0	0	1	12	0	0
	0	0	4	0	1	0	1	9	2	0	0	0	0	0
	0	0	0	2	1	0	0	0	1	0	5	0	0	3
	0	0	483	0	0	0	0	0	0	0	0	0	0	3
	0	1	0	0	0	0	0	0	0	0	0	0	2	1
	0	0	0	0	0	0	0	137	0	0	0	0	0	0
	1												
OTU12012	2	1	5	1	2	4	1	1	7	1	6	2	0
	1	9	3	0	2	0	2	1	1	1	3	1	5	2
	2	0	7	4	1	1	1	1	0	1	1	3	6	3
	1	3	1	1	1	0	0	1	1	8	1	3	1	0

	7	0	3	0	0	3	0	3	5	0	3	2	2	2
	5	0	3	0	5	2	1	5	1	0	2	7	1	1
	2	1	0	4	1	4	1	2	1	2	2	0	0	2
	2	3	1	1	4	3	0	3	1	1	3	0	4	0
	18													
OTU8503	1	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0													
OTU6116	7	11	3	4	24	9	8	12	15	20	13	9	6	
	4	19	8	3	13	8	3	11	7	12	3	3	3	4
	4	3	22	10	2	4	2	6	3	5	9	12	24	15
	12	12	18	10	6	3	2	7	17	31	4	4	2	5
	4	2	8	8	4	7	1	7	8	6	7	7	9	2
	19	13	9	3	14	0	4	14	9	2	5	32	3	2
	7	9	2	12	5	23	1	12	1	4	7	3	5	2
	5	8	10	10	8	4	7	10	3	9	5	3	1	7
	22													
OTU8206	2	1	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	2	0	2	0	5	0	0	0	0	0
	2	39	0	2	1	0	0	0	0	20	1	0	1	0
	0	0	0	0	0	0	0	1	0	3	6	7	0	0
	0	0	0	1	3	16	0	5	4	0	0	0	0	0
	1	1	0	2	0	0	0	0	0	0	0	5	2	2
	0	1	0	0	0	1	0	0	0	1	0	0	1	0
	0	0	1	1	2	1	1	0	3	6	3	0	0	1
	2													

OTU7486	4	3	2	2	8	0	2	0	11	9	2	0	0
0	14	3	2	6	3	4	2	1	1	2	3	1	0
2	2	5	5	1	0	1	2	3	0	4	3	11	1
3	7	4	2	0	3	0	1	4	17	5	0	2	1
3	0	1	2	3	5	0	4	3	1	4	2	0	2
14	4	2	0	7	0	1	2	2	0	3	15	1	4
4	1	1	0	3	3	1	6	0	2	2	1	3	1
1	5	2	1	2	2	1	2	1	2	2	0	1	3
23													
OTU7796	1	0	1	0	0	0	1	0	2	1	1	0	0
0	4	0	0	0	2	0	2	1	0	0	0	0	1
0	0	0	1	0	0	0	2	0	1	0	0	1	0
2	2	2	2	0	1	1	0	1	2	0	2	0	0
0	1	0	0	0	0	1	1	0	1	2	1	0	1
1	1	0	0	3	1	0	1	1	0	0	0	1	0
0	0	0	0	2	1	0	1	0	0	0	0	1	1
1	1	0	0	0	0	0	0	0	0	1	0	0	1
5													
OTU1512	2	4	3	1	0	0	10	1	5	15	0	0	0
0	6	0	0	0	0	26	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	1	0
28	0	0	0	0	0	0	2	0	0	0	1	0	0
0	5	0	1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	2	0	0	1	0	23	0	5	0	11
0	0	0	12	0	34	0	12	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU351	2	2	1	7	3	0	0	5	6	1	0	6	0
0	0	0	0	0	0	2	7	0	0	0	0	1	0
0	0	0	0	0	0	0	4	0	1	2	0	6	0
4	0	0	0	1	0	0	1	0	0	1	0	0	0
0	1	0	1	0	0	0	0	0	0	0	0	2	0
0	0	6	3	8	0	0	0	0	8	0	1	1	1

0	0	0	18	0	0	0	11	0	9	1	0	1	16
0	5	1	2	1	0	1	1	0	5	3	0	13	1
1													
OTU175	7	130	18	1	1	34	0	11	0	1	0	17	0
0	4	0	0	5	1	2	0	0	0	0	17	0	1
1	0	0	0	0	0	0	0	0	87	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	2	0	0	0	0	0	0	0	0
0	0	9	0	47	0	0	0	0	11	0	5	33	0
0	3	0	1	0	8	0	1	0	31	0	0	0	0
13	0	1	0	0	0	0	0	0	4	0	0	0	0
3													
OTU7228	1	0	1	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	1	0	0	1	0	0
0	0	0	0	0	1	0	0	0	0	1	0	0	1
0	0	0	0	1	0	0	0	0	0	0	0	0	0
1													
OTU1163	2	0	0	0	0	0	0	0	2	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	2	0	0	0	0	0	3
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	1	0	0	0	0	0
0													
OTU3129	4	5	1	3	5	2	2	5	5	4	7	8	3
1	2	3	1	8	3	1	3	7	6	2	2	2	3
1	3	11	4	4	5	1	7	0	4	2	4	13	5

	6	8	4	4	0	7	1	6	8	13	3	2	2	0
	2	2	7	1	2	7	0	1	2	6	8	5	2	3
	9	2	8	2	12	2	3	7	2	1	2	18	1	4
	4	1	5	3	2	4	1	3	1	2	6	2	2	1
	3	7	4	0	8	2	1	5	0	5	0	1	2	9
	10													
OTU7482	1	0	0	1	2	1	0	2	2	1	2	1	3	
	1	6	0	1	4	1	0	1	1	2	0	1	1	0
	1	0	2	0	0	1	0	2	1	0	0	0	4	1
	1	0	0	1	0	0	0	0	1	3	0	0	0	0
	1	1	2	1	0	1	1	2	0	1	3	3	1	1
	2	3	1	0	2	1	0	3	2	0	1	2	1	1
	0	1	0	2	0	4	1	1	0	1	0	0	0	1
	0	3	0	0	2	2	0	1	0	1	0	0	1	1
	4													
OTU3972	8	4	0	32	3	2	1	4	1	0	21	21	59	
	47	3	70	310	58	58	2	86	74	7	382	8	11	25
	3	68	61	117	117	95	65	39	41	90	70	36	1	102
	0	2	86	13	39	1	19	0	49	30	26	0	15	16
	59	0	84	0	50	13	13	10	5	38	62	43	0	85
	58	0	5	54	1	54	56	4	49	2	107	1	17	2
	4	2	116	0	30	2	10	3	33	9	16	0	0	26
	34	0	2	2	0	1	0	0	6	2	49	47	144	0
	1													
OTU7618	2	0	0	1	0	0	0	0	0	1	1	1	0	
	0	2	1	0	3	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	1	1	0	0	0	0	0
	0	0	0	0	0	2	0	1	0	0	0	0	0	5
	0	2	0	1	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	1	0	1
	0													

OTU11007	1	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	
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0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	
0													
OTU2464	1	0	0	99	0	0	0	0	0	0	6	2	2
3	4	2	0	0	1	0	2	0	0	0	0	0	1
0	0	5	0	0	1	0	2	16	0	4	0	3	2
1	0	1	0	19	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	6	1	0	4	0	0	0	0
0	5	1	1	0	0	0	0	0	0	0	2	0	0
0	1	0	1	0	4	1	1	0	19	0	0	2	3
0	3	36	3	0	13	3	2	1	3	0	1	50	10
17													
OTU10579	2	0	8	89	3	1	6	14	13	9	0	9	0
0	2	25	7	6	0	1	24	0	1	3	6	5	1
1	46	7	6	13	0	0	13	0	9	0	1	7	0
0	1	6	46	2	0	0	0	9	6	10	0	11	0
6	1	0	21	0	0	22	7	4	17	3	11	1	0
0	0	2	82	0	0	1	0	9	6	2	2	5	5
0	5	1	5	4	2	135	6	0	16	16	0	0	1
35	0	0	1	0	0	0	0	0	0	15	1	26	0
0													
OTU805	1	0	2	0	0	0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	1	0	0
0	0	0	0	0	6	0	0	0	0	0	0	0	0
0	0	2	0	0	0	0	0	0	0	0	0	0	0

	11	0	0	1	7	0	0	0	0	0	0	0	1	0
	0	4	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU261		3	0	1	0	0	0	0	0	1	0	0	1	30
	0	0	0	0	0	0	1	2	0	0	0	7	1	0
	1	0	0	0	0	0	2	0	0	0	0	0	1	0
	0	0	0	0	7	3	0	1	1	120	0	434	0	0
	0	1	0	0	1	11	1	17	7	0	1	0	2	1
	0	2	0	1	0	0	0	3	3	0	11	9	8	0
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OTU14612		1	1	1	0	0	2	3	0	2	1	0	0	0
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	1	0	0	2	1	2	0	1	0	0	0	0	0	0
	0	1	0	1	0	0	0	1	0	0	0	0	2	0
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	0	5	0	2	1	1	1	8	0	3	0	0	0	0
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OTU12791		2	1	0	0	2	3	2	0	2	5	3	1	0
	2	1	4	0	4	3	0	0	1	1	2	0	1	1
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	2	0	3	0	2	3	0	1	2	5	0	0	1	0
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	4	2	0	1	4	2	0	5	0	0	1	5	0	1
	3	4	0	1	0	6	2	0	1	0	1	0	1	0
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	4													
OTU2645		4	5	5	4	7	7	5	7	9	10	2	4	1
	4	24	5	0	4	3	1	3	1	2	2	1	3	1
	5	5	9	7	1	3	2	6	1	3	0	4	10	4

	10	1	4	1	2	4	1	2	3	10	0	4	1	2
	4	0	6	5	1	9	3	1	3	2	2	4	6	5
	18	5	8	1	13	4	4	5	3	4	4	12	1	3
	4	0	1	2	3	7	1	5	2	5	5	4	4	2
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	26													
OTU11010	1	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU15570	1	0	0	0	0	0	0	0	0	1	0	0	0	
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	0	0	0	0	0	0	0	0	1	0	0	0	0	0
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	0													
OTU9383	1	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	4	0	0	1	0	0	0	0	0	2	0	0
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OTU9054	6	0	0	0	2	0	2	0	0	1	2	1	2
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU12226	1	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU8431	3	0	0	1	8	2	3	3	4	2	4	2	1
	2	1	3	0	4	1	0	0	2	3	1	1	0	1
	2	1	6	1	0	1	0	1	2	1	1	0	6	2
	2	0	3	1	2	0	0	1	2	1	0	1	0	0
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	2	3	0	1	4	3	0	4	1	1	0	12	0	4
	1	2	1	0	3	2	0	0	2	1	3	0	1	0
	1	1	0	1	0	3	0	2	0	2	4	0	1	2
	5													
OTU10247	1	7	5	0	0	1	1	0	6	0	0	9	0
	1	0	0	7	0	0	1	0	51	0	60	14	36	6
	12	51	0	0	23	0	10	0	0	0	31	1	3	0
	0	0	74	0	25	2	0	0	33	22	22	1	3	0
	2	0	10	1	10	25	19	22	28	9	65	12	3	12
	29	0	3	1	2	15	0	5	4	4	0	15	0	0

7	195	0	0	0	0	22	15	0	5	0	0	1	0
0	0	5	3	0	4	0	0	1	0	10	0	1	3
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OTU555	1	0	1	0	0	0	1	1	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	21	0	0	0
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OTU91 5	27	2	1	0	9	3	15	116	0	3	4	23	10
5	2	15	10	3	34	6	29	168	21	15	52	5	4
26	0	6	9	5	9	0	1	1	47	0	28	2	10
0	191	24	114	10	34	2	18	23	273	9	58	6	20
3	72	49	45	11	29	243	49	33	26	36	6	19	23
3	62	15	16	4	22	145	40	7	11	28	3	8	16
257	7	0	30	3	6	89	2	0	0	0	3	0	4
4	34	33	34	12	31	91	53	20	2	1	4	44	11
OTU7646	1	0	0	0	0	0	1	0	0	5	0	1	0
0	2	0	0	0	0	0	0	0	0	0	0	0	0
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OTU9921	2	0	0	1	1	3	0	0	0	0	0	0	0
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	0													
OTU4759	1	0	2	2	4	0	1	1	2	3	1	0	0
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	2	0	0	1	2	0	2	1	0	1	1	0	3	0
	0													
OTU2373	4	3	4	0	11	3	3	1	5	8	1	1	1
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	2	2	2	4	2	3	1	0	2	0	0	8	1	0
	14	5	6	2	9	1	1	3	0	5	1	10	0	0
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	2	2	3	1	2	2	2	5	0	1	3	1	0	1
	11													
OTU11011	1	0	0	0	0	0	0	0	0	0	0	0	0
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	0													

OTU14293	1	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU10134	1	0	0	1	1	0	0	2	0	0	0	1	0
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	0	2	0	0	2	1	0	1	0	0	0	0	0
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	0	0	0	1	0	0	1	0	1	0	0	0	1	0
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	1	0	0	0	0	0	0	0	0	1	1	0	0	0
	0												
OTU154	3	0	0	20	2	10	0	6	3	0	9	3	15
	7	1	35	1	3	9	1	12	9	4	6	38	8	63
	12	3	1	9	12	0	1	3	1	7	1	1	18	10
	3	1	0	1	1	1	1	0	0	0	6	1	2	1
	1	13	0	2	0	0	0	1	1	1	0	0	0	5
	0	0	0	5	0	0	3	4	0	12	18	0	4	28
	0	2	2	1	16	1	13	4	0	4	4	2	1	0
	1	2	1	0	8	0	0	0	2	4	12	19	6	4
	1												
OTU2140	1	0	0	0	2	0	0	1	0	0	1	1	2
	2	0	0	0	0	2	0	5	0	0	1	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	0	0	0	0	0	0	0	0	0	0	0	1	0	0
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0													
OTU103	4	6	2	3	11	1	17	7	9	2	44	22	16
38	4	38	29	8	13	4	37	0	4	11	15	5	25
0	4	17	21	4	2	11	19	3	29	2	1	2	0
0	31	3	29	9	3	3	0	6	0	4	0	5	8
7	0	6	4	16	0	6	19	10	5	0	8	0	28
12	0	6	19	2	14	5	1	24	0	6	0	10	0
7	13	15	0	5	0	17	2	7	5	17	1	0	10
28	2	1	0	0	0	0	0	1	0	27	18	60	0
0													
OTU155	19	0	0	0	1	0	1	1	0	0	9	0	0
0	0	1	0	35	9	3	40	0	8	0	8	0	161
3	0	0	1	0	348	0	0	0	0	0	93	0	0
0	0	0	0	1	0	68	0	1	0	0	0	0	33
0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	3	2	1	0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	0	0	1	3	0	0	0
0													
OTU95 1	2	49	0	1	0	27	4	33	25	1	19	1	0
1	8	6	15	0	53	84	10	83	11	6	45	0	71
0	0	4	12	8	3	0	1	123	5	0	4	0	13
181	1	62	4	14	2	6	34	10	60	611	28	0	1
2	1	189	17	22	165	69	262	16	3	12	22	28	3
3	6	82	82	133	334	344	132	34	47	141	213	127	1
30	1	36	163	252	87	1	0	11	0	4	0	0	0
23	1	2	1	0	3	6	1	0	54	0	0	0	0
OTU12761	2	0	2	10	1	7	4	5	0	5	2	11	0
1	7	12	0	4	1	5	0	0	0	0	0	0	0
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3	11	0	8	0	2	2	3	1	0	0	0	1	2

0	3	0	1	0	0	0	0	0	0	0	1	0	1
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0	0	0	1	2	0	0	0	0	5	1	0	1	4
2	0	0	0	0	0	0	0	0	0	13	2	3	0
0													
OTU9638	7	2	5	5	4	4	5	8	9	10	3	2	3
2	12	3	2	8	3	0	1	7	3	2	3	2	1
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5	6	3	3	6	2	0	1	6	12	0	2	3	3
5	0	6	2	1	4	2	6	8	6	2	8	5	5
13	9	5	2	12	4	2	7	2	2	1	16	0	6
4	1	2	0	1	5	0	6	6	3	13	4	0	2
3	3	3	3	4	5	0	6	1	3	6	1	1	4
9													
OTU15334	1	1	2	1	2	0	4	2	1	4	3	0	0
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0	0	1	0	0	0	0	0	0	0	0	0	3	2
1	2	2	0	1	1	0	0	2	0	0	0	0	0
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0													
OTU12223	1	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													

OTU1936	4	0	0	1	2	5	1	5	0	0	0	0	0
1	4	0	0	0	0	1	0	0	0	0	0	17	33
1	0	0	0	0	0	0	0	4	0	0	0	0	0
1	0	0	1	0	11	0	1	0	1	0	0	0	3
0	1	0	1	0	0	2	2	0	0	0	1	2	0
0	0	0	0	1	0	0	0	0	0	4	0	1	2
1	0	0	0	0	0	7	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU149	10	81	22	111	3	36	106	33	16	158	0	6	0
0	57	0	6	0	4	81	3	8	0	6	2	0	0
17	5	1	4	7	0	12	1	0	0	3	0	55	2
20	13	1	238	4	24	0	49	2	14	16	9	1	1
2	20	5	12	2	1	1	3	4	0	2	1	45	3
5	13	10	12	7	267	0	4	0	55	7	9	8	21
1	3	1	89	1	4	0	13	0	1	1	8	10	0
0	9	24	17	2	1	0	6	5	14	1	1	10	13
9													
OTU137	3	1	0	0	0	0	0	1	145	1	1	0	0
0	0	0	11	0	0	14	0	25	0	0	0	1	15
6	5	0	1	34	0	43	0	0	0	136	0	201	0
3	0	6	0	10	7	0	3	1	6	0	0	1	0
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7	21	2	0	0	0	0	6	0	0	14	12	0	0
0	3	0	29	0	1	0	19	0	0	0	0	9	0
0	1	222	36	35	63	49	15	60	22	0	0	1	42
20													
OTU12225	1	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU425	2	2	0	0	1	1	1	0	1	1	1	0	0
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6	1	0	1	0	3	0	2	0	0	1	1	0	1
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	0	9	0	2	0	0	0	0	0	0	0	7	5	0
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OTU51	16	6	3	66	27	9	7	9	0	3	66	100	56	128
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7 0 0 0 0 11 0 33 10 0 0 7 0 0
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9 4 4 0 4 12 2 4 1 5 6 1 4 2
4 7 4 5 7 2 8 2 1 1 6 5 5 3
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7													
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OTU14296	1	0	0	0	0	0	0	0	0	0	0	0	0
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OTU316	5	0	1	0	5	0	0	0	0	7	0	0	0
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OTU3872	1	0	0	0	0	0	0	0	0	0	0	0	0	
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	0													
OTU14444	2	2	1	2	6	3	1	3	3	4	4	5	3	
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	0	2	5	2	2	2	1	6	2	1	2	8	13	1
	3	9	6	1	1	2	1	2	5	7	2	2	1	3
	3	0	8	3	1	6	0	2	4	5	1	1	2	0
	3	1	3	1	4	4	1	8	3	3	1	7	0	6
	6	4	0	2	2	2	1	2	0	5	5	3	4	1
	2	7	0	1	4	2	2	1	1	1	3	1	2	3
	9													
OTU551	4	0	0	0	0	2	0	0	3	1	0	0	0	
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	0	0	0	0	1	0	0	2	1	5	1	0	0	0
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	1	1	0	0	0	0	0	4	0	7	0	0	0	0
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	0													
OTU8508	1	0	0	0	0	0	0	0	0	0	0	0	0	
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OTU453 1 0 0 0 0 2 0 0 0 0 1 0 1
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OTU14294 1 0 0 0 0 0 0 0 0 0 0 0 0
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OTU135 1 5 3 0 0 0 1 1 7 1 1 2 3
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30 50 0 0 26 2 38 1 0 1 41 0 7 0
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23 3 36 8 75 121 27 157 148 47 268 2 19 8
160 2 2 0 6 1 1 64 0 7 3 16 0 18
2 30 0 2 1 4 0 8 2 0 1 0 0 1
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OTU8475	2	1	0	0	0	3	3	1	1	0	0	0	0
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OTU11017	1	0	0	0	0	0	0	0	0	0	0	0	0
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OTU8507	1	0	0	0	0	0	0	0	0	0	0	0	0
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OTU2220	2	0	4	0	5	8	2	4	0	3	0	0	0
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14	0	0	23	1	0	0	0	3	2	3	0	0	0
12	0	0	0	1	8	1	1	0	0	0	3	0	1
0	1	1	0	0	0	0	1	0	1	0	0	5	0
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6	14	2	4	3	2	2	2	0	5	1	0	0	5
6													
OTU7322	1	0	0	0	0	0	0	0	0	0	0	6	2
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OTU345	2	0	0	0	0	0	0	0	1	0	0	0	0
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0	0	0	0	0	14	1	0	6	24	0	0	0	0
15													
OTU124	4	2	19	1	14	14	26	3	69	8	0	0	0
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	1	23	35	0	2	0	1	1	0	21	0	15	1	45
	9	16	0	49	0	11	3	69	0	0	0	11	19	0
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	48													
OTU8054	1	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	0													
OTU7405	2	2	3	6	6	4	1	2	3	8	4	4	1	
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	4	1	5	5	0	4	3	2	5	3	2	1	1	3
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0	1242	1	21	1	1	0	221	779	809	0	0	225	1259
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1	4	20	3	0	2	5	3	19	12	7	1	12	4
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0	11	0	0	12	0	0	0	17	28	0	0	0	22

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OTU9498	3	0	0	0	0	0	1	0	2	1	0	0	1
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OTU12217	1	0	0	0	0	0	0	0	0	0	0	0	0
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0													

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OTU8504 1 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11688 1 0 0 1 0 0 0 0 0 0 0 0 0
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OTU11016 1 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15181	1	0	0	0	2	0	0	0	0	0	2	0	0
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OTU10069	1	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0													
OTU1789	1	0	0	0	1	0	2	4	8	1	0	1	0	
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OTU98	3	20	16	0	0	5	1	5	8	0	0	0	0	0
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	118	2	0	1	2	0	21	1	0	1	3	1	2	0
	24	0	5	0	0	0	0	0	0	0	25	29	0	0
	247	332	55	87	135	141	23	22	79	0	2	0	94	85
OTU227		2	3	0	2	0	0	4	1	1	8	0	0	0
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	23													
OTU15601		1	0	0	0	2	1	0	1	1	2	2	0	0
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OTU256		3	10	5	1	8	10	23	12	4	25	0	3	1
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	17	27	0	9	0	4	3	18	0	0	0	3	2	3
	0	20	2	4	1	3	0	1	0	1	1	0	20	2
	2	0	12	1	11	32	1	4	5	31	12	2	13	11
	11	4	0	14	5	5	0	5	0	8	5	0	1	4

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10													
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	53	14	87	1	35	3	178	0	0	68	1	6	1	3
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OTU14892		1	0	0	0	0	0	0	0	0	0	0	0	0
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OTU925		11	9	15	8	25	16	9	11	15	22	14	8	7
	18	9	11	5	27	8	2	12	6	19	4	11	9	6
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	11	8	23	9	5	9	5	4	15	43	8	9	5	8
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	25	16	13	9	25	9	4	17	8	9	4	55	6	10
	13	6	7	5	6	38	5	20	5	2	17	5	12	3
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OTU243	4	1	0	0	0	0	1	0	3	1	0	1	1	
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	0	24	0	15	2	12	24	4	3	11	0	1	1	0
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OTU8492	1	0	0	0	0	0	0	0	0	0	0	0	0	
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OTU11372	3	2	3	1	1	2	2	4	2	4	4	3	1
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OTU24	5	0	2	2	1	0	0	1	0	5	10	2	40	11
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	3	903	10	1352	52	550	971	311	1264	487	168	20	162	532
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OTU377	3	1	5	1	2	0	1	3	1	0	0	0	0	
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	5	0	0	0	0	0	0	12	0	0	1	8	0	4
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OTU341	1	3	6	0	0	0	2	2	4	3	1	4	0
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8													
OTU6780	8	1	10	0	1	0	2	9	3	2	0	0	0
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OTU129	3	4	20	13	1	4	4	3	17	7	1	4	1
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53	46	0	0	0	3	1	3	5	9	14	1	22	0
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OTU1139	2	3	4	1	2	8	2	4	3	3	0	11	0
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OTU4279	5	1	2	1	3	2	3	4	4	4	1	2	0
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7													
OTU4384	2	1	0	0	2	0	0	1	1	0	0	1	0
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OTU4230	4	4	6	2	11	6	5	15	5	10	5	9	1
2	5	8	5	11	10	3	6	7	6	2	2	3	3
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6	10	10	3	11	5	2	3	14	22	6	3	1	2
3	2	8	4	3	4	1	5	7	2	2	4	6	5
9	3	12	4	15	4	2	9	2	0	1	28	1	6
8	8	1	4	1	9	1	11	2	1	10	2	2	2
2	3	4	3	5	9	2	4	0	9	3	3	2	4
9													
OTU9512	1	0	0	1	0	0	0	0	0	0	0	0	0
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OTU5527	1	0	0	0	0	0	0	0	0	1	0	1	0
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0													

OTU13095	3	1	4	1	8	4	6	6	2	3	4	5	1
	2	7	6	3	9	3	2	2	2	3	0	0	0	2
	3	3	5	4	0	3	3	4	2	1	1	6	8	1
	3	2	5	2	1	6	2	3	6	9	3	2	0	1
	2	1	8	1	0	2	4	2	5	3	2	5	4	1
	7	4	2	1	7	4	2	8	5	1	1	8	1	2
	5	2	1	4	1	8	1	5	1	2	2	0	0	0
	0	2	7	0	3	2	1	5	0	2	3	0	1	4
	4													
OTU4298	1	0	0	3	1	0	0	0	0	0	14	8	21
	39	1	0	0	1	4	12	0	0	0	0	0	1	2
	0	0	3	0	0	2	0	13	22	1	0	1	0	11
	0	2	0	0	0	1	12	3	0	0	3	0	0	4
	0	2	2	1	0	0	0	0	0	0	0	1	0	0
	0	0	0	2	0	1	6	0	15	1	3	0	1	3
	28	0	6	0	34	4	2	2	12	3	12	3	0	2
	5	4	0	0	0	1	0	0	0	0	9	3	0	0
	0													
OTU12206	2	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	2	0	0	0
	0	0	0	1	0	0	0	0	0	0	0	0	0	1
	1	1	2	1	1	0	0	0	3	0	1	0	0	0
	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU1159	2	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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0	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU391	2	5	5	1	3	1	7	7	2	0	2	1	14
0	1	7	1	10	0	4	23	0	31	0	1	0	13
1	0	0	5	0	2	0	0	0	38	1	1	9	2
1	6	0	2	0	0	12	0	0	0	9	1	0	0
0	2	0	11	0	0	0	0	0	0	0	1	3	1
0	1	2	5	1	5	8	0	1	1	38	6	3	2
4	1	0	2	1	16	1	2	10	2	0	0	0	7
2	2	2	1	9	2	1	4	1	2	3	1	0	4
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OTU13507	1	0	0	0	0	0	0	0	9	0	0	1	1
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0	2	0	2	0	0	0	0	0	0	0	0	0	0
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0	0	1	6	3	1	0	21	2	3	1	8	0	0
0	0	3	0	0	0	0	2	2	1	0	1	0	0
1	16	1	0	0	0	0	5	0	0	0	0	0	0
0	0	3	0	1	2	0	5	2	0	0	0	0	1
1													
OTU445	1	12	4	0	3	1	4	2	0	1	0	0	0
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0	0	0	0	0	0	0	0	1	0	2	0	0	0
1	0	1	0	0	0	0	0	0	0	0	0	0	0
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0	0	9	0	1	0	0	2	0	2	0	1	1	0
0	1	0	5	0	0	0	0	0	0	0	0	2	0
0	0	0	3	0	0	1	0	1	5	0	0	0	0
0													
OTU208	4	77	2	5	4	12	21	3	17	0	1	0	0
0	9	0	0	0	2	5	0	0	0	0	10	6	16
0	1	0	0	1	2	0	0	2	3	1	4	2	0

4	0	0	0	3	8	2	17	0	0	6	8	0	5
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0	1	0	24	0	13	1	9	0	0	0	2	3	0
5	4	3	3	4	4	8	10	3	5	2	0	0	11
6													
OTU146	2	61	2	2	30	6	7	12	19	13	5	2	9
16	4	0	0	2	39	13	14	0	0	8	40	7	11
0	0	0	0	0	0	10	0	2	9	0	2	8	22
23	80	0	7	0	0	0	2	0	0	2	2	1	0
0	12	2	3	0	1	2	0	1	2	0	2	3	1
0	1	28	5	2	36	0	5	11	15	3	3	20	5
38	0	2	16	55	3	9	6	28	0	0	6	1	3
5	3	3	0	2	0	2	2	4	2	18	0	3	3
1													
OTU14297	1	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU8918	2	2	2	2	2	1	2	4	4	7	1	5	1
4	18	1	2	6	1	0	3	3	4	0	1	5	2
0	1	7	3	0	0	0	5	2	1	2	2	4	0
7	2	5	4	2	3	3	0	2	11	1	3	2	2
5	0	4	5	2	2	0	2	4	5	5	0	4	2
3	6	5	1	2	3	0	10	2	2	2	5	0	2
6	2	4	0	3	7	2	2	0	4	6	0	1	0
1	6	1	0	3	0	1	4	0	0	1	2	1	2
15													

OTU3655	1	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU151	1	26	3	18	1	1	10	4	3	0	2	20	11
	18	19	38	3	6	5	4	45	2	19	5	42	3	4
	3	3	15	26	9	22	2	27	4	156	8	7	5	6
	0	7	2	110	4	5	1	1	3	3	3	1	1	0
	1	4	7	2	1	1	2	0	1	2	3	2	7	1
	4	0	4	8	1	45	2	5	8	3	5	4	11	2
	25	64	12	7	19	7	16	6	0	11	30	2	5	30
	30	0	2	0	0	0	0	0	3	0	26	11	181	0
	1												
OTU10970	1	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU8500	1	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU2559	4	3	0	0	0	1	1	0	0	1	0	0	0
	0	7	0	0	0	0	3	0	0	0	0	3	0
	0	0	0	0	0	0	0	0	1	0	4	0	7	0
	0	0	0	0	0	4	0	6	0	0	0	0	0	0
	0	1	0	1	0	0	0	0	0	0	0	0	2	0
	1	0	7	0	0	0	0	0	0	0	0	1	0	0
	1	2	0	0	0	3	0	10	0	0	0	0	0	0
	0	0	0	1	0	0	1	0	2	0	0	0	0	0
	0													
OTU10968	1	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU8501	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU1701	2	6	0	8	5	4	0	1	0	4	0	2	0	
	0	6	3	4	17	2	0	8	0	5	0	27	4	27
	0	0	26	21	0	10	0	3	1	6	1	10	0	5

	0	1	0	12	0	0	2	0	4	0	0	0	1	1
	0	1	0	0	0	0	0	1	0	0	0	0	0	0
	0	0	2	2	0	31	32	1	4	2	64	0	17	0
	41	1	0	0	17	2	2	0	0	0	0	0	0	5
	0	0	0	1	0	0	0	0	0	0	0	2	0	0
	0													
OTU49	6	1	3	0	0	0	2	2	7	1	0	0	1	0
	0	3	303	0	0	11	101	16	0	31	0	28	0	35
	884	0	0	296	15	335	5	5	0	330	0	4	0	3
	0	10	10	342	2	1	2	3	50	334	36	16	1	109
	0	151	1	66	120	1	23	9	226	14	3	6	40	234
	0	4	18	5	0	5	47	3	9	36	38	2	1	18
	23	5	1	24	6	192	1	0	0	0	2	0	17	0
	0	13	8	4	4	20	0	8	8	0	0	0	3	9
OTU1184		1	8	0	155	90	80	1	31	0	9	0	9	0
	11	119	0	0	0	0	1	0	0	0	0	5	29	0
	2	0	0	0	1	0	0	0	30	7	0	0	3	0
	0	13	0	9	1	21	0	4	0	0	0	1	1	95
	0	36	0	50	0	0	0	0	0	0	0	0	14	0
	2	1	146	2	0	6	0	0	3	10	2	0	0	0
	0	3	0	11	33	15	0	5	0	0	12	0	6	0
	0	1	0	1	2	0	0	0	1	0	2	1	0	0
	0													
OTU860		4	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	4	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	0	0	0	5	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													

OTU8499	1	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU4963	2	0	1	0	0	1	4	5	2	0	1	0	0
0	10	0	2	15	2	0	1	3	26	10	6	0	0
0	8	0	0	2	10	0	0	20	1	2	11	0	0
0	0	4	5	0	0	19	0	1	2	0	0	3	2
1	5	11	0	1	0	4	1	2	5	4	1	0	4
0	0	0	3	0	5	13	0	0	0	22	0	3	1
1	3	5	0	1	2	2	0	2	1	0	0	0	0
0	0	0	0	0	0	0	0	0	0	1	1	2	0
0													
OTU1341	3	1	2	2	6	9	4	2	6	5	0	22	2
4	11	1	0	1	0	15	1	0	0	1	0	1	0
0	0	0	0	0	0	9	5	6	1	0	0	8	5
7	3	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	3	0	0	0	0	0	0	0	0	0	0
0	0	5	3	5	8	4	0	19	5	0	8	3	0
3	0	1	0	5	4	9	2	1	3	1	0	0	0
2	0	0	0	0	0	0	0	0	0	2	3	0	0
0													
OTU233	2	2	2	2	8	3	0	4	2	14	1	7	0
0	3	1	0	2	0	9	3	0	0	0	1	7	2
2	0	0	0	0	0	0	0	0	11	0	0	1	0
6	1	0	0	0	7	0	0	0	0	0	1	0	0
0	93	0	9	0	0	0	0	0	0	0	0	73	0
1	0	0	2	0	0	0	2	0	8	1	1	2	17

	1	1	1	1	1	5	1	0	0	1	1	0	3	0
	0	3	0	0	0	0	0	0	0	0	2	0	1	0
	0													
OTU10971	1	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0													
OTU10355	1	0	0	0	1	0	0	1	0	0	0	0	0	
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	0	1	1	0	1	0	0	1	0	0	1	1	0	0
	0	1	0	0	0	0	0	0	1	1	2	0	1	0
	0	0	0	0	1	0	0	0	0	1	0	0	0	0
	2	0	1	0	0	0	0	0	0	0	0	2	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	1	0
	0	0	0	0	1	0	0	1	0	0	1	0	0	0
	0													
OTU6760	1	1	1	0	0	0	0	0	0	0	0	0	0	
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	1	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	3	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0													
OTU262	1	0	0	7	4	1	0	0	0	1	17	0	3	
	4	1	11	2	1	7	1	11	2	0	0	2	1	0
	0	0	25	3	0	2	0	6	2	1	0	0	0	5

	3	25	1	1	0	0	1	0	1	0	1	2	1	2
	1	2	1	12	0	0	2	1	0	0	0	1	7	0
	0	0	0	6	2	0	0	1	1	0	0	0	0	1
	1	1	2	2	0	5	1	5	25	0	10	0	0	14
	5	0	0	0	0	0	0	0	0	0	1	2	1	0
	0													
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OTU1157		2	8	1	15	2	4	1	2	1	2	4	9	21
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OTU994	2	1	2	0	0	2	0	2	2	2	0	0	0	
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OTU16484	2	0	0	0	0	0	0	0	0	0	1	0	0
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	1	0	1	3	0	0	0	1	0	5	0	0	0	1
	0	0	1	0	0	2	0	2	0	0	1	2	0	0
	2	0	1	0	0	1	0	3	0	1	1	1	0	1
	1	1	0	0	2	2	2	0	1	0	0	0	1	1
	2	1	1	0	2	1	0	2	0	0	0	0	0	0
	6													
OTU287	1	1	0	3	0	0	0	1	2	0	0	2	0
	0	0	0	0	0	0	2	0	0	0	0	0	1	0
	0	0	0	0	0	0	0	0	0	0	6	0	1	0
	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	1	0	0	0	0	0	2	0
	0	11	3	0	0	0	0	1	0	0	1	1	0	1
	0	0	0	2	0	0	0	0	0	0	0	4	0	0
	0	36	5	27	29	49	7	2	9	40	0	1	0	39
	1													
OTU14281	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU280	1	19	1	0	0	0	0	0	4	3	0	4	0
	1	0	0	2	1	0	11	2	0	8	0	31	1	0
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	26	71	1	30	0	1	0	4	6	1	0	5	0	0
	0	0	0	1	0	0	0	0	2	0	0	0	9	0
	0	0	1	0	0	4	1	6	0	3	0	27	3	3

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	0	37	0	4	2	20	10	7	2	0	0	0	0	1
	0													
OTU6238	2	0	2	0	3	24	0	0	2	1	0	4	0	
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	5	0	0	0	0	0	0	0	0	0	0	2	0	
	0	0	0	0	0	0	0	9	0	0	0	0	0	4
	0	3	0	1	0	0	0	0	0	0	0	0	0	
	0	0	6	0	3	0	0	0	0	5	0	0	0	2
	0	0	0	2	0	6	0	10	0	0	0	0	0	
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	0													
OTU7273	1	3	0	0	0	0	0	0	0	0	0	0	0	
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	0													
OTU466	3	0	3	5	0	0	0	3	3	0	0	0	0	
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	1	0	0	0	0	4	0	0	1	2	0	0	0	0
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	3	0	3	1	4	0	0	0	0	0	0	0	2	0
	0	3	14	0	11	26	16	5	5	0	0	1	0	0
	0													
OTU1269	1	0	0	0	0	0	0	0	0	0	0	0	1	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	0	0	0	0	0	3	1	0	0	0	0	0	0
	0	0	0	0	2	1	0	0	0	0	0	0	0
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	0												
OTU5857	1	0	0	0	0	0	1	1	0	0	0	0	0
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	0													
OTU16130	2	3	1	0	2	2	1	3	4	1	1	3	0
	3	10	0	1	4	0	1	0	1	0	0	0	0	0
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	4	2	0	1	2	3	0	0	0	0	0	0	0	0
	0	1	1	2	0	0	0	0	1	0	0	0	0	0
	9													
OTU7520	2	1	2	4	1	6	0	8	2	0	0	0	0
	0	1	0	0	0	0	0	1	0	0	0	1	7	4
	0	0	0	3	5	0	1	0	1	0	0	0	0	0
	0	0	0	1	0	8	0	0	0	0	0	0	0	0
	0	1	0	3	1	0	0	0	0	0	0	3	0	0
	0	0	0	0	0	0	0	0	2	0	1	0	0	3
	0	0	0	0	1	1	6	0	0	0	0	0	0	0
	3	1	0	0	0	0	0	0	0	0	1	1	0	0
	0													

OTU2132	1	0	0	0	0	0	0	0	0	0	1	0	0
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	0	0	1	1	1	0	0	0	0	0	0	0	0
	0	0	0	0	0	1	0	0	0	1	0	0	0
	1	0	0	0	0	1	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1	0	0	0
	1												
OTU10977	1	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU11744	1	4	0	1	1	2	0	10	0	0	1	0	1
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	0	0	0	3	3	18	0	0	0	5	0	6	0	3
	0	0	0	0	1	1	1	0	0	0	0	0	0	0
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	18	0	0	3	1	2	1	0	0	0	0	0	0	0
	1	1	0	0	0	0	0	0	0	1	0	0	0	1
	0	0	0	0	0	0	0	0	0	0	1	2	0	0
	0												
OTU3941	1	0	0	0	0	1	0	0	0	0	0	0	0
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0	2	0	1	1	0	1	0	0	0	0	0	0	0
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OTU12299	3	8	26	7	6	2	30	10	11	6	0	4	0
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OTU10975	1	0	0	0	0	0	0	0	0	0	0	0	0
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OTU276	1	8	7	0	1	0	4	1	16	1	0	0	0
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6													
OTU5681	1	2	0	1	0	0	1	3	0	1	0	1	0
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	3													
OTU1168	1	0	0	0	0	0	0	1	0	0	0	0	0	
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OTU8517	1	0	0	0	0	0	0	0	0	0	0	0	0	
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OTU382	3	0	1	0	0	0	0	0	1	0	0	0	0	
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	18													
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	0													

OTU360	3	0	0	4	0	1	0	1	2	0	0	2	0
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	0	8	0	1	0	0	0	0	0	0	0	0	0
	0	1	0	2	0	0	0	0	1	0	0	0	4
	4	1	1	5	1	3	3	2	4	0	1	1	0
	0	1	5	1	0	2	1	0	0	0	0	0	0
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OTU14276	1	0	0	0	0	0	0	0	0	0	0	0	0
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OTU1141	1	0	0	0	0	0	1	0	0	3	0	0	0
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	0												
OTU8519	1	0	0	0	0	0	0	0	0	0	0	0	0
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OTU14275 1 0 0 0 0 0 0 0 0 0 0 0 0
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OTU14277 1 0 0 0 0 0 0 0 0 0 0 0 0
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	0												
OTU60	2	1	1	2	1	29	3	119	72	381	13	164	471	86
	2	0	2	0	492	140	317	4	0	636	1	292	2	19
	1	0	0	1	4	176	0	4	169	10	1	196	451	51
	582	1	116	1	0	1	0	4	0	115	4	0	8	0
	7	0	114	0	2	0	0	0	0	1	295	1	0	0
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	2	0	348	3	3	0	2	48	15	36	1	5	326	46
	8	4	5	11	1	4	1	0	10	117	2	3	1	6
OTU8910		1	7	3	1	0	1	0	1	0	1	2	0	0
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	0	1	1	0	0	0	1	0	0	0	0	0	0	1
	0	0	7	0	11	0	0	0	7	1	11	0	1	0
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	0	7	0	0	1	0	0	0	0	0	0	0	0	0
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	0													
OTU5805		1	4	1	0	1	1	0	0	2	0	0	0	0
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	10	0	0	0	4	1	0	14	0	1	0	5	0	0
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	0													

OTU8518	1	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU258	2	3	0	4	0	70	1	50	15	2	0	0	0
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	0	1	0	2	4	4	2	7	0	1	0	0	0	0
	2													
OTU16643	1	0	0	0	0	0	1	0	1	0	0	0	0
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OTU3098	5	4	6	2	5	6	2	6	5	9	0	4	0
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OTU10738	1	0	0	0	0	0	0	0	2	1	0	0	0	
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OTU1394	1	0	0	0	0	0	0	0	0	0	0	0	0	
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OTU15553	1	0	0	0	0	0	0	0	0	0	0	0	0	
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OTU13737	1	0	0	0	0	0	1	1	2	3	0	0	0	
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OTU10976 1 0 0 0 0 0 0 0 0 0 0 0 0
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OTU8522 1 0 0 0 0 0 0 0 0 0 0 0 0
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OTU12241	1	0	0	0	0	0	0	0	0	0	0	0	0
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OTU132	1	0	1	1	2	1	55	1	1	12	0	3	0
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OTU1076	1	0	0	1	1	4	1	1	0	0	0	0	0
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OTU169	1	0	1	2	0	0	1	0	3	1	3	1	3
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OTU8524	1	0	0	0	0	0	0	0	0	0	0	0	0
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OTU10833	1	1	2	0	0	0	1	0	0	0	0	1	0
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	0	1	0	2	3	0	0	0	0	0	2	0	0
	0	1	0	2	1	1	0	0	0	0	0	0	1
	0	1	0	2	1	2	1	2	1	2	0	2	0
	2	1	0	0	0	3	1	0	0	0	2	0	0
	1	0	0	1	0	0	0	1	3	0	0	0	0
	0												

OTU13069	1	0	0	2	0	2	0	1	0	1	0	0	0
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	0	0	0	0	0	2	0	0	0	0	0	0	5
	0	1	0	0	0	0	0	0	0	0	0	0	2
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	1	0	1	0	0	0	0	3	0	0	1	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU8525	1	0	1	0	0	0	0	1	0	0	0	0	0
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OTU13382	2	1	0	0	2	0	0	1	0	0	1	2	0
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	1	2	3	1	1	0	0	1	0	5	1	1	0
	0	0	3	1	0	0	0	0	0	3	0	0	1
	5	0	0	1	1	1	1	2	0	0	0	4	1
	1	2	0	2	2	0	0	2	1	1	1	2	1
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OTU8405	3	18	3	1	5	12	0	1	0	0	0	2	0
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	3	0	0	0	2	0	0	3	0	1	0	5	0
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OTU8527	1	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU14518	4	0	0	0	4	2	3	6	3	0	0	0	0	
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OTU15624	1	0	0	3	1	0	0	2	0	0	20	5	42	
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	0	13	1	14	1	0	21	0	0	0	1	0	1	2
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	53	0	34	0	18	5	7	1	26	3	32	0	0	9
	15	4	0	0	1	0	0	0	1	0	15	10	3	0
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OTU12320	1	0	1	0	0	0	0	0	0	0	0	0	0	
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OTU406	1	0	4	7	0	2	0	4	3	3	0	1	0
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OTU14285	1	0	0	0	0	0	0	0	0	0	0	0	0
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OTU2477	1	0	0	0	4	2	0	3	0	0	0	0	0
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OTU5057	1	2	0	10	0	6	5	2	0	0	0	0	1
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	4	0	0	0	0	0	2	0	0	0	0	7	0
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OTU799	5	6	247	0	0	0	0	0	0	0	0	0	0
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	0	2	0	0	0	0	0	0	0	0	0	0	0
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OTU1648	1	0	0	0	0	1	0	0	0	0	0	0	0
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OTU1082	1	0	0	0	2	0	0	0	0	0	0	0	0
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OTU12243 1 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2955 1 0 1 2 1 0 0 0 0 0 0 0 0
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OTU448	1	12	2	0	0	0	1	0	0	5	0	0	0
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OTU278	1	0	0	0	0	4	0	18	40	2	0	0	0	
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OTU1485	3	0	1	0	0	2	1	0	1	1	1	4	1	
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OTU10980	1	2	0	0	0	0	0	0	0	0	0	0	0	
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OTU10966	1	0	0	0	0	0	0	0	0	0	0	0	0	
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OTU8338	1	0	1	0	1	0	1	0	0	0	0	0	0
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	0	11	0	0	0	0	0	0	0	0	0	1	0	0
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	0												
OTU7487	2	0	0	1	1	1	2	2	0	1	0	0	0
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OTU5349	1	0	0	6	0	0	1	0	0	0	0	0	0
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OTU7619 1 0 0 1 1 0 0 0 0 2 0 0 0
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OTU10967 1 0 0 0 0 0 0 0 0 0 0 0 0
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OTU1035	1	0	0	0	0	0	1	0	0	0	0	0	0	
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	0													

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OTU8515	1	0	0	0	0	0	1	0	0	0	0	0	0
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OTU9046	1	0	1	0	3	0	0	1	0	1	1	0	0
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	5												
OTU8514	1	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU436 1 0 3 1 1 0 0 2 4 1 1 0 0
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OTU8516 1 0 0 0 0 0 0 0 0 0 0 0 0
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OTU3787 1 1 0 0 1 0 0 0 0 1 0 0 2
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OTU6025	1	0	1	1	1	2	0	2	0	0	2	3	0
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OTU305	1	0	12	5	0	7	3	7	2	0	0	3	1
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OTU6330	4	0	4	18	8	4	0	1	0	0	0	1	0
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0	0	0	2	2	11	2	6	0	0	3	0	0	0
0	0	0	6	2	0	0	0	0	1	0	4	0	1
0	0	0	3	0	0	1	0	2	0	0	0	1	0

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12 0 0 0 0 0 0 0 0 0 0 2 1 0
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OTU6333 1 0 0 1 0 2 0 0 0 0 0 4 0
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OTU8513 1 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU971 2 0 0 24 4 4 3 8 1 1 8 19 38
52 3 53 278 30 29 4 50 62 9 291 8 6 29
0 66 40 72 106 81 109 40 46 52 61 17 5 41
1 2 61 11 33 1 24 0 38 40 18 4 3 7
43 3 82 0 44 16 11 12 5 27 46 31 8 69
45 0 8 54 0 60 35 4 55 1 83 1 21 0
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37 0 0 7 0 1 0 0 2 0 58 34 154 0
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OTU1979 1 2 29 31 4 29 43 30 25 42 2 8 2
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79 0 0 0 2 0 20 0 7 0 0 0 25 0

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9													
OTU15255	1	0	1	0	2	0	2	0	1	2	0	0	0
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OTU3244	1	0	1	1	0	0	1	0	0	1	0	0	0
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OTU6763	1	1	0	0	2	0	0	1	1	1	3	2	0
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2													

OTU292	1	0	3	0	0	0	0	0	2	0	0	27	0
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	0	0	0	2	2	6	0	13	2	14	13	0	41
	0	3	0	0	3	0	1	2	0	0	0	1	0
	15	1	6	0	1	0	0	0	13	2	0	3	0
	0	0	0	0	2	10	0	3	0	0	0	2	36
	0	1	4	1									
OTU3007	2	0	0	0	2	1	0	1	1	0	0	0	0
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	1	0	0	0	0	0	0	0	0	0	0	0	1
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	0	0	2	2	0	1	1	0	0	1	0	0	0
	0	0	0	0	1	1	0	0	0	2	0	1	2
	0												
OTU7434	2	0	1	3	1	2	2	0	0	1	0	23	0
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	0	24	0	0	1	0	0	0	0	0	1	2	0
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	5	0	8	7	1	9	2	0	4	1	0	1	1
	1	4	4										
OTU9580	1	12	1	1	1	7	0	0	3	3	0	7	6
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	3	5	0	4	2	4	14	1	14	2	0	1	8
	0	5	0	2	1	4	1	2	0	2	1	0	2
	0	14	1	6	6	10	0	5	1	2	6	2	9
	2	14	0	3	1								

22	1	5	0	6	0	5	0	4	10	2	0	1	1
3	0	0	0	0	2	0	0	4	3	2	19	11	7
1													
OTU14240	1	0	0	0	0	0	0	0	0	0	0	0	0
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OTU9807	1	0	0	0	0	1	1	1	0	0	0	2	0	
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OTU10964	1	0	1	0	0	0	0	0	0	0	0	0	0	
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7													
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OTU15860	1	4	2	12	3	3	6	4	0	4	7	1	0
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OTU3698	1	0	0	0	0	0	0	0	1	1	1	0	0
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2													
OTU235	1	0	0	1	0	0	1	0	0	0	0	0	0
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OTU14250	1	0	0	0	0	0	0	0	0	0	0	0	0	
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OTU12227	1	0	0	0	2	0	0	1	0	0	0	0	0	
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OTU8460	1	0	0	0	0	0	0	0	0	0	0	0	0	
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OTU560		1	1	0	0	0	0	0	1	0	0	0	0	0
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OTU1087		1	0	0	0	0	0	1	0	0	0	0	1	0
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OTU10986		1	0	0	0	0	0	0	0	0	0	0	0	0
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OTU88	1	0	6	307	368	0	2	0	12	0	1	0	0	1
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OTU13677	1	0	1	0	0	1	2	0	1	0	0	0	0
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137
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OTU651		1	4	7	0	1	33	22	23	23	27	0	0	0
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OTU6262		1	0	0	3	2	1	0	2	0	0	1	1	2
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OTU212		2	4	0	4	0	7	7	7	8	2	0	0	1
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	12	3	0	0	19	17	0	4	1	9	10	3	1	0
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	2													

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OTU1194	1	0	0	0	0	0	0	2	1	0	0	0	0
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OTU12235	1	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4028	1	0	0	0	0	0	0	0	0	0	0	0	0
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OTU11511	1	1	0	1	1	0	0	0	2	0	0	0	1
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OTU10993	1	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4764	1	7	0	0	2	0	9	7	2	0	0	0	1	
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	68	0	0	2	5	131	1	106	99	4	225	0	3	1
	82	0	2	0	0	0	0	14	0	1	0	9	0	6
	0	31	0	0	1	0	0	1	0	0	0	0	0	0
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	1													
OTU12236	1	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU446	1	0	2	0	0	0	1	0	0	1	0	0	0
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OTU439	1	1	0	0	0	1	0	0	1	0	0	0	0
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OTU163	1	2	37	0	1	1	0	0	4	2	0	1	0
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5													
OTU12237	1	0	0	0	0	0	0	0	0	0	0	0	0
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OTU309	1	4	2	3	0	3	3	20	1	1	1	1	0
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OTU14236	1	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU437	1	0	1	0	0	1	1	1	5	0	0	0	0	
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OTU585	1	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU8453 1 0 0 0 0 0 0 0 0 0 0 0 0
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37	17	0	7	1	20	2	5	0	4	11	10	0	2
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19													
OTU10996	1	0	0	0	0	0	0	0	0	0	0	0	0
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OTU1292	1	0	0	1	2	2	0	0	0	0	0	1	0
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0													

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OTU97 1	4	238	0	0	44	0	0	0	726	2	11	0	0
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OTU221	1	0	0	0	0	0	2	0	0	0	13	0	7
10	0	0	35	0	1	0	0	17	1	2	0	0	13
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0	0	17	0	32	0	3	0	3	11	28	0	2	24
9	0	65	0	25	0	1	17	0	21	12	45	2	5
22	0	0	9	0	0	0	0	0	1	2	0	1	1
36	18	2	0	0	0	2	0	47	0	0	0	0	2
2	0	0	0	0	0	0	0	0	0	0	0	7	0
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OTU282	0	2	48	0	0	0	0	1	2	0	0	0	0
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0	3	1	0	0	0	0	2	0	0	0	2	0	0
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OTU310		0	3	2	2	0	0	0	0	0	0	1	0	0
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	0	15	0	0	0	8	0	0	0	3	3	0	1	1
	0	0	0	1	0	1	0	0	0	1	0	4	4	0
	0	28	5	9	20	4	1	20	5	3	0	1	0	3
	0													
OTU313		0	1	0	0	0	0	0	0	0	0	0	4	0
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	0	0	1	5	0	0	0	0	0	12	0	0	0	0
	0	4	0	4	1	6	1	6	13	0	0	6	0	0
	0	2	0	4	1	2	0	3	1	0	0	0	42	3
	0	8	0	0	0	0	0	0	0	0	0	7	4	0
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	0	77	0	0	32	15	6	39	0	0	0	0	0	0
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OTU1170		0	2	0	0	0	0	0	0	0	0	0	0	0
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	13	0	3	0	22	7	3	3	5	5	4	1	0	11
	3	0	0	0	0	0	0	9	0	0	0	1	0	0
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	0	0	2	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU249		0	117	0	0	10	0	2	0	4	3	0	0	0
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	5	0	0	5	0	0	0	4	0	0	0	0	0	0

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0	26	17	96	11	4	1	28	12	5	0	1	0	81
60													
OTU158	0	13	10	7	1	0	2	1	16	6	0	1	0
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0	158	70	142	42	23	27	109	25	80	1	1	0	39
5													
OTU402	0	16	0	0	0	0	0	0	0	1	0	0	0
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0	6	0	0	0	0	0	0	0	0	1	0	0	0
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0	0	7	2	2	4	2	0	21	6	0	0	0	36
2													
OTU12234	0	1	0	0	0	0	0	0	0	0	0	0	0
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OTU219	0	60	0	3	2	0	4	1	28	0	0	0	0
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18	0	0	1	0	0	0	1	0	1	0	0	0	0
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0	4	40	12	9	1	9	4	15	7	0	2	0	3
24													
OTU7029	0	4	1	0	0	0	1	0	0	0	1	0	2
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OTU167	0	31	0	5	13	2	2	1	3	0	4	9	0
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9	0	0	9	0	8	14	0	5	0	37	1	2	0
10	0	24	0	13	0	1	0	6	4	0	0	0	1
12	1	0	1	0	0	0	0	2	1	9	19	4	0
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OTU160	73	9	231	280	2	19	30	85	38	18	13	17	20
9	31	782	64	12	6	23	684	2	18	6	71	1	123
238	126	27	328	14	140	57	12	26	12	0	3	5	225
2	56	1	38	600	29	98	1157	20	93	169	874	18	1377
78	12	229	4	360	1178	347	384	93	260	55	413	35	248
137	1	0	5	0	1	13	0	1	191	33	0	2	0

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115	2866	27	1147	1919	314	13	2963	297	1	37	39	396	105
OTU165	0	3	30	0	0	3	0	0	0	5	0	0	0
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28													
OTU1479	0	15	1	0	0	3	0	0	0	0	0	0	3
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OTU10052	0	1	0	1	0	0	0	0	0	0	0	0	0
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OTU10989	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU1068	0	1	3	0	0	0	0	0	0	0	0	1	0
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	12	0	4	0	11	16	32	6	55	5	10	3	0	2
	5	0	0	0	0	0	2	19	6	0	0	9	7	0
	8	22	1	0	2	0	13	0	0	1	0	0	0	0
	2	0	0	0	0	0	0	0	0	0	8	0	0	0
	0												
OTU2654	0	5	3	0	4	1	0	3	1	0	0	3	0
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	1	0	0	2	0	0	0	0	0	0	2	1	0	0
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	0	0	4	3	0	0	0	0	1	1	1	0	4	1
	0	0	3	4	1	0	2	0	0	2	2	0	0	0
	1	0	0	1	1	0	0	0	0	0	2	1	0	0
	0												
OTU10991	0	2	0	0	0	0	0	0	0	0	0	0	0
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	0												

OTU217	0	25	0	0	0	0	0	1	1	0	0	4	0
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	12												
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	0												
	0	4	0	24	5	1	2	4	3	1	1	42	0
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	0	3	0	7	0	0	6	0	3	0	1	5	2
	0												
	0	56	0	0	0	0	0	3	1	0	4	0	3
	0												
	0	0	7	0	13	0	0	0	1	1	0	1	33
	0												
	33	0	2	0	5	10	2	3	4	0	2	0	2
	5												
	0												
OTU66	0	55	157	41	3	27	78	1	2	57	1	50	0
	0												
	2	0	0	2	0	3	49	0	1	0	148	3	1
	47												
	0	0	0	0	39	0	2	0	34	0	0	0	8
	0												
	18	4	115	0	1	0	36	1	0	0	29	0	0
	0												
	21	0	370	0	2	0	0	4	0	0	0	79	0
	1												
	0	1	0	477	57	3	2	1	5	11	6	73	39
	39												
	5	5	16	14	107	0	0	0	0	2	0	0	0
	0												
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	0												
OTU1482	0	1	0	0	0	0	0	0	0	0	0	0	0
	0												
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	0												
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	0												
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OTU677	0	4	0	0	0	0	1	0	2	3	0	0	0
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	0												
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	0												
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	1												

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3												
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0													
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0													
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0													
OTU1033	0	1	1	9	1	1	0	8	0	0	2	3	5
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0	0	3	0	17	0	0	1	1	0	1	3	0	0

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0 8 0 0 0 0 0 2 0 1 0 0 1 0
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0 0 110 44 16 39 101 10 4 11 2 12 0 2
25
OTU896 0 7 0 0 0 24 0 0 4 4 0 0 0
0 2 0 0 0 1 16 0 0 0 0 0 0 0
7 0 0 0 0 0 0 0 0 1 0 0 0 0
10 0 0 0 0 0 0 0 1 0 0 0 0 0
0 0 0 1 0 2 0 0 0 0 0 0 1 0
0 0 7 0 93 0 0 4 0 86 0 4 0 2
0 0 0 73 0 0 0 0 0 0 0 0 0 0
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3
OTU462 0 25 7 0 0 1 9 2 7 5 0 0 0
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1 52 2 2 0 4 5 13 1 8 3 30 1 58
0 13 1 3 3 3 4 2 0 7 0 9 33 0
0 30 47 6 30 52 30 24 26 37 0 2 4 64
23
OTU541 0 1 0 0 0 0 0 0 0 0 0 0 0
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0 2 7 13 0 8 0 2 6 12 0 0 0 7
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OTU10992	0	1	0	0	0	0	0	0	0	0	0	0	0	0
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	0													
OTU365	0	10	4	0	0	0	1	0	3	0	0	0	0	0
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	0	8	0	0	0	0	0	1	0	3	1	2	0	14
	0	0	0	2	0	0	0	2	0	0	0	2	4	0
	0	11	13	17	3	53	19	3	19	4	0	1	0	0
	1													
OTU1243	0	1	0	0	1	0	1	0	0	0	0	1	0	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	1	0	0	1	1	0	0	0	0	0

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OTU8450 0 1 0 0 0 0 0 0 0 0 0 0 0
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OTU13683 0 1 0 0 0 0 0 0 0 0 0 0 0
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0 5 0 0 0 0 1 0 0 0 0 0 0 1
2
OTU14233 0 1 0 0 0 0 0 0 0 0 0 0 0
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OTU8060 0 4 1 0 1 4 1 0 0 0 0 1 0
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OTU8452 0 1 0 0 0 0 0 0 0 0 0 0 0
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OTU13880 0 1 0 0 0 0 0 0 0 0 0 0 0
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	0	0	0	0	0	1	0	0	2	0	0	0	0	0
	0	0	0	0	0	2	0	0	0	0	0	0	0	0
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OTU3396	0	1	0	0	0	0	1	0	3	0	0	1	2	
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	0	0	1	0	0	7	0	2	0	0	0	0	0	3
	0	2	2	1	2	0	0	1	0	3	0	0	1	2
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	0	1	1	0	2	0	4	9	4	3	0	0	1	0
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OTU8451	0	1	0	0	0	0	0	0	0	0	0	0	0	
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	0													
OTU1464	0	1	2	2	4	2	2	2	4	2	5	6	3	
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	2	1	3	4	1	4	2	3	0	1	2	2	9	3
	4	2	5	3	1	1	1	3	3	12	1	1	2	1
	3	1	4	5	2	3	0	3	4	2	2	1	1	2
	9	6	2	2	5	3	2	1	0	1	1	12	1	2

4	2	1	3	1	4	2	3	2	4	2	2	1	2
1	5	3	6	0	3	0	4	3	1	4	2	1	4
12													
OTU14234	0	1	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU81 0	32	74	0	0	15	143	2	74	50	0	7	0	0
43	3	3	9	0	45	0	1	0	7	0	1	1	1
4	5	0	5	0	0	0	0	2	2	10	6	2	68
19	3	0	1	68	2	126	0	3	3	11	2	0	0
51	0	29	0	0	1	2	1	1	0	1	304	0	2
39	26	5	0	10	1	21	0	42	14	5	44	35	0
6	0	1	2	92	1	6	0	42	0	37	52	1	0
63	18	12	17	18	5	29	7	33	3	2	5	34	29
OTU12416	0	1	0	0	0	0	0	0	0	1	0	0	0
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0													
OTU857	0	2	0	3	0	0	0	1	1	0	2	1	0
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	0	1	0	0	0	0	0	0	1	0	0	2	0	0
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	0													
OTU11528	0	1	0	0	0	0	0	0	0	0	0	0	0
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	1	0	0	0	0	0	0	0	2	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU10814	0	2	0	0	0	0	0	0	0	0	0	0	0
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	0													
OTU180	0	43	0	0	0	0	0	0	4	0	0	1	0	
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	1	0	0	1	0	0	0	4	0	0	0	1	0	0
	0	0	0	0	0	0	0	0	1	0	0	1	0	0
	0	35	0	0	6	0	0	1	0	1	1	4	0	2
	0	1	0	0	1	0	0	0	0	0	0	27	28	0
	0	126	22	124	72	56	71	12	28	14	0	1	0	91
	54													

OTU399	0	4	0	0	0	0	0	0	0	0	0	0	0
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	0	10	0	0	1	0	0	0	0	0	0	0	0
	0	0	0	1	0	0	0	0	0	0	1	6	0
	0	5	22	0	6	3	2	0	15	12	0	0	0	0
	0												
OTU3568	0	1	0	0	0	0	0	0	0	1	0	0	0
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	0												
OTU817	0	13	2	0	0	0	0	0	0	1	0	0	0
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	1	3	1	0	1	0	0	0	0	0	0	1	1	1
	0	1	0	0	0	0	0	2	0	0	0	0	0	0
	0	0	1	3	1	1	0	0	1	1	0	0	0	12
	2												
OTU12173	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU535	0	1	4	0	0	2	1	0	4	0	0	0	0
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	0	0	0	0	0	0	0	0	0	3	0	0	1
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	0												
OTU8457	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	1	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU12285	0	2	15	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	1
	0	0	0	0	0	0	0	0	0	0	1	0	0
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	0												
OTU7385	0	1	1	1	0	0	1	0	1	1	0	1	0
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	2	0	0	1	2	0	0	1	1	0	0	0	2	0

	1	1	0	1	0	2	0	4	0	2	0	1	0	2
	2	0	2	0	0	1	0	0	2	0	1	0	0	3
	3	1	0	1	3	0	1	0	0	0	0	0	0	1
	1	0	0	1	0	0	0	1	0	0	0	1	0	1
	1	0	2	0	2	1	0	0	1	0	0	1	0	1
	1													
OTU528		0	11	1	0	3	41	28	0	24	25	0	15	0
	0	57	0	0	0	1	2	0	0	0	0	0	0	0
	0	0	1	0	0	0	0	0	0	0	0	0	0	2
	1	5	0	139	0	3	3	2	0	0	0	0	1	0
	0	3	0	1	0	0	0	1	0	0	1	0	8	0
	0	6	8	0	502	33	0	2	1	4	42	2	1	0
	0	0	1	14	0	0	0	1	0	0	1	2	29	0
	0	1	1	8	1	14	1	17	3	18	15	1	0	9
	0													
OTU1730		0	5	0	1	0	0	0	1	0	0	0	4	2
	2	0	0	102	1	0	0	28	32	0	2	0	0	1
	1	57	0	0	0	3	9	3	4	2	26	0	0	0
	0	0	2	0	4	0	0	4	0	1	5	0	0	0
	0	0	1	0	16	4	1	1	1	0	6	46	1	36
	17	0	0	0	0	0	0	1	32	7	0	1	0	0
	1	3	23	0	2	0	0	0	1	11	1	0	0	0
	4	0	0	2	1	0	2	0	1	1	5	3	24	2
	0													
OTU3355		0	1	0	0	1	0	0	0	0	2	1	0	1
	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1	0	1	0	0
	1	0	0	0	0	0	0	0	0	0	0	1	0	0
	1	0	1	0	0	0	0	1	0	0	0	1	0	0
	0	0	0	0	1	0	0	0	0	0	0	0	1	1
	1	1	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	0													

OTU16415	0	2	0	0	2	0	0	0	1	1	1	0	1
	0	0	0	0	0	1	0	1	0	1	0	0	1	0
	0	0	1	0	0	0	0	0	0	0	1	1	1	1
	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	1	0	0	1	0	1	1	0	0	0	0	1	1	0
	1	1	0	0	1	0	1	1	0	0	0	0	0	0
	1	0	0	0	1	1	0	2	0	0	0	0	1	1
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU13153	0	1	0	0	1	0	0	0	0	1	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	2	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU133	0	2	4	0	1	5	0	0	4	0	27	1	9
	1	0	7	155	8	0	1	2	13	0	1	0	0	0
	0	0	26	5	6	1	0	13	1	1	0	1	0	3
	1	4	24	1	0	1	1	25	3	1	1	1	0	22
	2	1	3	1	0	2	1	2	1	6	0	0	1	0
	1	0	1	5	1	0	12	0	2	0	1	0	4	1
	24	0	6	0	2	1	1	1	28	34	11	695	0	31
	1	3	1	0	5	0	0	2	0	1	0	2	1	2
	53													
OTU12174	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU96 0	2	1	0	1	0	1	0	1	1	2	1	1	1
0	0	3	22	0	1	8	31	11	64	154	163	29	192
59	0	1	40	10	18	0	0	68	36	1	15	0	0
0	12	0	81	0	0	2	132	37	22	73	67	1	82
3	8	8	71	67	86	17	44	76	2	26	4	29	1
0	4	0	0	0	0	116	0	0	0	5	15	37	0
11	0	1	0	0	4	1	0	1	0	0	0	0	0
2	13	46	2	5	3	1	0	2	1	0	0	7	7
OTU12175 0	1	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0	0	0	0
0													
OTU247 0	2	18	1	0	10	8	0	14	49	0	1	0	
0	1	1	0	0	0	2	0	0	0	0	0	1	0
0	0	0	0	0	0	0	0	0	1	0	0	0	0
15	0	1	0	0	0	0	5	0	1	0	0	0	1
0	1	0	1	0	0	0	0	1	0	1	1	6	0
3	44	3	0	0	0	0	1	0	8	0	3	0	9
0	3	0	3	0	0	0	29	0	0	0	72	73	0
0	35	11	20	96	24	105	100	4	15	1	3	0	2
29													
OTU14238 0	1	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0

	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU16387	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	1	1	0	0	0	0	1	0	0
	0	0	0	0	0	0	0	0	0	0	1	0	0
	2												
	0	0	1	0	0	0	0	0	0	0	0	0	0
	1												
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	1	0	0	0	0	0	0
	0												
OTU6441	0	1	0	1	0	0	1	0	0	0	0	0	0
	0	0	0	0	1	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	1	1	0	0	0	0
	0	0	0	0	1	1	0	0	0	0	0	0	1
	0	2	0	2	0	0	0	0	0	0	0	1	0
	0	0	0	0	0	0	0	0	1	0	0	0	1
	0	0	0	0	1	1	0	0	0	0	1	0	0
	0	1	0	0	0	0	0	0	0	0	0	2	1
	0												
OTU10414	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												

OTU3389	0	1	3	1	2	1	0	2	2	0	0	1	1
	1	1	0	1	0	2	0	0	0	0	1	1	1	0
	0	1	2	1	1	2	1	0	1	0	0	0	2	1
	0	0	1	2	2	0	2	1	0	1	0	1	0	0
	1	0	0	0	0	1	1	1	2	0	0	2	0	1
	4	1	1	0	2	1	0	5	1	0	0	1	0	1
	0	1	0	2	1	0	1	0	0	1	0	1	0	0
	0	1	1	0	0	2	0	4	0	0	0	2	0	0
	2													
OTU7138	0	2	0	2	3	1	0	1	0	3	1	0	0
	1	0	3	0	2	0	1	0	1	1	0	1	0	0
	1	0	2	1	0	1	1	1	0	0	1	1	0	1
	0	1	1	0	0	0	0	1	3	2	0	0	0	0
	0	2	1	0	0	2	0	0	2	1	1	0	1	0
	2	0	0	0	2	0	0	4	0	0	0	2	1	0
	1	0	0	0	0	2	0	1	2	0	0	0	0	1
	2	1	0	0	0	0	0	0	0	0	0	0	0	0
	1													
OTU228	0	1	0	0	0	0	3	0	7	19	0	0	0
	0	0	0	0	0	0	6	0	0	0	0	0	0	1
	0	0	0	0	0	0	0	0	0	2	0	0	1	1
	20	4	0	1	3	0	0	1	0	0	1	1	0	0
	0	0	0	21	0	0	0	0	0	0	0	0	12	0
	0	28	0	0	3	0	1	1	0	3	10	15	0	0
	0	0	0	0	0	0	0	3	0	0	0	44	25	0
	0	107	38	77	133	298	23	41	20	52	0	7	0	109
	12													
OTU3731	0	2	0	0	0	0	6	0	0	2	1	0	13
	1	0	0	2	7	6	0	1	3	4	0	87	1	2
	0	0	2	0	5	1	4	0	0	1	25	16	0	0
	0	4	7	5	0	0	4	1	0	0	0	0	0	2
	0	1	0	0	0	0	0	0	0	0	2	9	0	0
	0	0	0	0	8	1	19	0	3	2	37	0	2	0

	10	3	4	2	2	8	0	0	67	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU302		0	5	0	0	2	3	0	0	0	0	1	0	3
	2	0	0	1	1	0	3	2	0	0	0	0	11	0
	0	0	5	10	2	2	2	25	0	0	4	0	1	1
	0	0	0	0	5	16	0	18	0	1	3	0	0	11
	0	19	3	0	0	1	0	0	1	0	2	39	5	2
	1	0	0	0	0	0	0	0	0	0	1	0	0	0
	25	6	1	3	4	1	0	2	3	0	6	0	0	1
	32	0	0	0	0	1	0	0	0	0	0	0	1	0
	0													
OTU14472		0	1	0	0	0	0	1	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU748		0	2	0	0	3	0	1	2	0	1	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	1	0	0	0	1	0	0	0	0	0
	0	0	0	0	0	1	0	3	0	0	0	0	0	1
	0	1	0	0	1	0	0	0	0	0	0	0	2	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	1	0	1	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU1169		0	12	6	7	11	4	2	6	1	0	0	1	1
	1	5	1	0	0	1	0	6	0	0	9	11	5	3
	0	2	1	4	6	0	4	1	4	1	11	1	1	2

	2	2	1	13	1	0	1	3	0	2	2	0	0	5
	0	2	6	2	5	0	1	1	1	2	0	11	0	2
	0	2	7	3	0	7	5	0	4	2	3	1	12	5
	1	2	4	12	15	0	9	1	3	1	1	0	0	4
	5	0	0	3	1	0	0	1	0	0	13	0	0	0
	0													
OTU2937	0	8	0	0	0	0	12	0	0	0	0	0	5	
	1	0	2	3	2	6	3	0	3	4	0	82	1	2
	2	0	7	0	8	0	2	0	0	1	36	6	1	0
	1	0	10	4	0	0	6	1	0	0	0	0	0	2
	0	2	0	0	1	0	0	0	0	0	0	6	0	1
	0	0	3	0	1	4	6	0	0	2	37	0	0	1
	8	0	3	0	3	12	3	0	47	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	0													
OTU430	0	1	0	0	0	0	0	0	0	0	0	0	0	
	0	0	3	1	0	2	0	2	0	5	0	1	1	0
	0	0	0	0	0	0	0	0	0	38	0	0	0	0
	1	0	0	1	1	0	0	0	0	0	12	1	0	0
	0	0	0	1	0	0	0	0	0	0	0	2	0	0
	0	0	0	0	1	0	0	0	0	0	0	0	3	0
	0	1	0	0	0	0	1	0	0	0	0	0	0	0
	0	0	0	0	0	1	0	1	0	0	0	0	2	1
	0													
OTU10429	0	2	2	0	2	0	0	1	46	1	0	0	0	
	0	2	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	18	0	0	2	0	11	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	1	2	0
	0	0	1	0	2	2	0	5	1	0	0	0	0	0
	2													

OTU10042	0	9	2	0	0	0	10	1	0	0	0	0	0
0	6	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	2	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU5216	0	2	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	2	0	0	0	2	0	0	0	0
0	0	2	0	0	1	0	0	0	0	0	3	0	3
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	1	0	1	0	0	0
0	0	1	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU13154	0	1	0	0	0	0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	1	0	1	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU10187	0	2	2	0	2	1	1	1	0	1	2	0	1
2	1	1	3	2	1	0	0	2	2	2	1	1	0
0	0	3	4	0	3	0	0	0	1	1	3	4	0
1	1	1	1	0	1	0	3	2	4	1	1	3	0
3	2	2	3	0	2	2	1	1	2	3	2	1	4
0	1	0	1	8	1	0	5	0	1	0	3	1	0

	0	1	0	0	1	4	0	2	1	0	0	1	0	0
	0	4	1	4	0	3	1	2	0	2	0	2	0	3
	5													
OTU14237	0	1	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0													
OTU6230	0	5	3	0	0	0	0	0	0	0	0	1	0	
	0	1	1	1	0	0	0	0	0	0	7	0	0	0
	0	2	0	0	2	0	0	0	0	0	0	0	0	
	0	0	0	0	1	0	0	0	1	1	4	0	0	0
	1	0	0	0	1	7	0	2	3	0	5	0	0	0
	7	0	0	0	0	0	0	1	0	0	0	0	1	0
	0	0	0	0	0	0	1	1	0	0	0	0	1	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU12080	0	4	4	0	0	0	0	1	0	0	0	0	0	
	0	0	0	0	1	0	0	0	0	7	0	3	0	0
	0	0	0	0	0	0	0	0	0	2	0	0	0	0
	0	0	0	0	5	0	0	0	0	0	7	0	0	0
	0	0	1	0	0	0	0	0	0	0	0	4	0	0
	0	2	3	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	4	0	0	0	0	0	1	0
	0	0	3	2	0	1	1	0	5	2	0	0	0	0
	0													
OTU7857	0	17	1	1	0	1	11	0	16	7	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	1	0	0	0	9	0

	2	0	0	0	0	0	0	1	0	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	2	0
	0	0	3	0	0	0	0	1	0	0	0	4	0
41													
	0	0	0	5	0	0	0	7	0	0	0	0	0
	0	3	1	17	3	3	22	1	1	11	0	1	0
4													
	0												
OTU1181	0	9	4	0	0	0	4	0	2	0	0	0	0
	1	0	0	3	0	0	7	0	4	0	0	0	0
	0	3	3	0	0	0	0	1	0	0	0	137	0
0													
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	0	0	0	1	0	1	1	0	6	0	0
0													
	0	1	0	1	0	0	0	0	0	1	0	0	0
0													
	0	0	1	0	0	0	0	0	0	0	0	1	0
0													
	0	1	1	1	5	0	5	3	1	1	0	0	0
5													
6													
OTU527	0	1	0	0	1	0	0	1	1	2	0	0	0
	0	3	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	1	0	0	0	0
0													
	0	0	0	1	0	0	0	0	0	0	0	0	0
0													
	0	0	0	3	0	0	0	0	0	0	0	1	0
0													
	0	3	1	1	0	3	0	0	0	0	2	0	2
0													
	0	0	0	3	1	0	0	0	0	1	0	2	0
0													
	0	0	0	3	0	1	1	0	0	2	0	0	0
1													
4													
OTU1123	0	2	0	0	0	0	0	0	0	1	0	0	0
	0	0	0	0	0	0	1	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
	0	0	0	0	0	0	1	0	0	0	0	0	0
0													
	0	2	0	0	1	0	0	0	0	0	1	0	0
0													
	0	0	0	0	0	0	0	0	0	2	0	0	0
0													
	0	0	1	0	1	1	0	0	7	2	0	0	0
0													
	0												

OTU10979	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	1	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU324	0	4	0	0	0	0	0	0	3	0	0	1	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	1
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	2	0	0	8	0	0	1	0	0	1	1	0	0
	0	0	0	0	0	0	0	2	0	0	0	2	1	0
	0	12	6	93	13	44	6	9	7	15	0	0	0	2
	25													
OTU9075	0	1	1	0	1	0	0	1	0	0	0	0	1
	0	0	1	0	1	0	1	2	0	2	0	1	0	1
	0	0	1	0	0	0	0	0	0	0	0	0	2	0
	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	0	1	0	1	0	1	1	0	1	1	0	0	0	0
	2	0	0	1	1	0	0	0	1	0	0	3	0	0
	1	0	0	0	0	1	0	1	0	0	1	0	0	1
	0	1	1	0	0	0	1	0	0	0	0	0	0	0
	3													
OTU1432	0	5	0	0	0	0	0	0	1	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	3	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	2

	0	0	0	1	0	0	0	0	0	0	0	1	4	0
	0	1	1	6	1	4	2	0	1	4	0	0	0	9
	4													
OTU12427	0	1	0	0	1	0	0	0	0	1	0	1	0	
	0	2	0	0	0	0	0	1	2	1	1	0	0	0
	1	0	0	1	0	0	0	0	0	0	0	0	1	0
	1	0	0	0	0	0	0	0	0	0	0	0	0	1
	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	0	1	0	0	1	0	0	1	0	0	0	0	0	0
	0	0	0	0	0	0	0	1	0	1	0	0	0	0
	1	2	0	1	0	0	0	1	0	0	0	0	0	0
	2													
OTU3491	0	1	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	3	0	0
	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	3	0	0	0
	1	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU196	0	4	17	0	0	0	0	1	4	33	2	20	9	
	2	0	10	1	0	14	22	32	0	5	2	30	8	40
	7	0	7	18	1	12	0	4	0	27	17	0	21	17
	3	5	1	7	141	2	0	0	0	1	127	0	0	0
	1	0	0	1	0	0	2	3	2	9	0	60	6	1
	1	5	1	8	39	0	2	0	2	4	0	51	9	8
	0	1	4	0	0	0	2	3	16	289	21	0	8	7
	31	0	6	6	0	7	28	0	5	5	14	5	19	0
	1													
OTU5496	0	1	2	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1	0	0	0	3

	0	0	0	0	4	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	2	0	0	0	1	0	0	0
	0												
OTU7801	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	1	1	0	0	0	0	0	0
	0												
OTU10978	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU113	0	5	0	1	0	0	2	3	2	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	1	0
	0	0	1	0	0	0	1	0	0	4	6	0	0
	17	0	0	0	1	0	0	5	0	0	0	2	0
	1	1	2	0	0	0	0	1	1	0	1	0	2
	0	79	7	0	0	0	0	4	0	1	7	5	0
	0	0	0	2	1	1	0	10	0	0	0	11	27
	1	0	3	334	130	58	324	115	17	145	26	0	1
	0	35	49										

OTU8480	0	6	0	0	0	0	1	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	1	0
	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1	0	0	0
	0	0	0	0	0	0	1	0	0	0	0	0	0
	0	0	0	0	0	1	0	0	0	0	0	0	3
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	1
	0												
OTU9762	0	3	0	1	2	1	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	3	0	1	1	0	0
	1	0	0	0	0	0	0	3	0	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	1	0	0	0	0	1	0	0	0	0
	0	0	0	2	0	0	0	0	1	0	1	1	2
	0	0	1	0	0	0	0	0	0	2	2	0	0
	0	3	0	0	0	0	0	0	0	0	1	0	4
	0												
OTU9214	0	2	1	0	0	0	1	0	5	0	0	2	0
	0	0	0	6	0	0	4	0	7	0	37	0	0
	0	7	7	0	0	12	0	5	1	0	0	0	0
	0	3	0	6	1	4	2	0	2	2	12	0	19
	1	0	3	0	3	3	3	22	26	1	2	1	6
	1	12	0	0	0	2	0	0	33	0	2	1	13
	1	0	7	0	2	0	0	0	0	0	0	0	0
	1	0	1	1	1	0	5	1	0	1	1	1	0
	0												
OTU8418	0	1	0	0	2	0	0	0	0	0	1	0	1
	0	0	0	0	0	1	0	0	1	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	1
	0	1	0	1	1	0	0	0	2	0	1	0	0
	0	0	0	0	1	0	0	0	0	0	0	1	0
	0	0	0	0	0	0	0	0	0	0	0	2	1

0	1	0	0	0	1	0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	0	0	1	1	0	0	0
2													
OTU3551	0	3	0	0	3	2	1	1	0	1	0	1	0
1	1	1	0	0	0	1	0	0	1	0	3	0	0
0	0	0	0	0	0	0	0	0	0	2	0	0	0
0	1	0	0	0	0	0	0	0	0	0	0	0	1
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	2	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	1	0	0	0
0													
OTU8479	0	1	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU7555	0	3	4	1	0	3	17	11	2	28	0	0	0
0	13	0	4	0	0	8	0	0	0	1	1	4	0
0	0	0	0	2	0	1	0	1	0	2	0	0	0
2	0	0	15	2	0	0	1	0	0	6	0	1	0
0	3	0	3	0	0	0	1	0	0	0	0	3	0
0	0	1	0	1	14	0	1	0	1	0	0	4	9
0	3	0	4	0	2	3	0	0	0	4	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU295	0	5	0	0	0	0	0	1	6	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	1	0	0
0	0	0	0	0	0	2	0	1	0	0	0	1	0

0	0	0	0	0	0	0	0	0	1	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0	0	0	0
0	14	3	0	1	0	0	0	0	1	1	7	0	3
0	1	0	1	0	0	0	3	0	0	0	44	21	0
0	6	6	11	10	28	8	38	6	15	0	2	0	5
0													
OTU14251	0	1	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU1428	0	1	0	0	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	2	0	0	0	2	0
0	17	0	0	0	0	0	0	0	0	0	0	2	0
0	0	1	0	0	0	0	0	3	10	0	0	5	0
2	0	1	0	8	9	5	5	1	2	2	1	0	2
0	0	0	0	1	0	0	1	0	0	0	1	0	0
0	4	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	4	1	2	0	0	0	0	0	0	0
0													
OTU251	0	3	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	2	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	2	0	0	0
0	0	0	0	0	0	0	0	0	0	0	2	0	0
0	8	3	6	21	390	44	3	12	4	0	1	0	2
0													

OTU403	0	2	1	0	1	0	0	0	2	0	0	0	0
	0	0	0	1	0	0	0	0	0	0	1	0	0	1
	1	0	0	0	0	0	0	0	1	0	0	0	0	0
	4	0	0	0	1	3	0	0	0	0	0	0	0	1
	1	1	2	3	0	0	0	0	0	0	0	1	1	1
	0	0	0	0	0	0	0	0	2	5	0	0	2	1
	2	0	0	0	0	1	0	0	0	0	1	0	1	0
	1	0	1	0	1	0	0	0	1	5	0	0	0	2
	0													
OTU12181	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU12110	0	1	0	0	0	0	0	2	1	0	0	0	1
	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	0	0	1	0	0	0	0	1	1	0	0	0	1	0
	1	1	0	0	1	0	0	0	1	1	0	0	0	0
	0	0	0	0	0	0	0	0	2	0	0	0	0	0
	0	0	0	0	0	1	0	0	0	0	0	1	0	0
	0	0	0	0	0	0	0	0	0	1	1	0	0	1
	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	3													
OTU2672	0	5	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0

	0	0	0	0	0	0	0	2	0	0	0	2	1	0
	0	5	0	0	0	0	2	0	1	1	0	0	0	0
	1													
OTU3563	0	3	0	0	0	0	0	3	0	0	0	0	0	
	0	0	1	0	1	0	3	0	0	0	1	23	0	0
	0	1	2	0	22	3	1	0	0	0	4	0	6	2
	0	2	0	0	4	0	1	2	0	0	6	0	0	14
	0	0	21	1	0	0	0	0	1	2	2	9	2	9
	0	0	3	0	0	0	0	0	0	2	0	0	0	0
	0	3	5	0	1	0	0	0	3	0	0	0	0	0
	0	1	0	1	0	0	0	0	0	0	0	1	0	0
	0													
OTU423	0	5	3	0	3	4	0	0	7	5	0	6	0	
	0	1	5	0	0	3	1	14	0	1	0	0	0	2
	0	0	2	0	0	4	0	0	0	0	0	0	0	0
	1	1	0	2	0	0	0	0	0	0	0	0	0	0
	0	0	0	1	0	0	0	0	0	0	0	0	1	0
	0	0	2	0	7	0	0	0	1	1	0	0	2	0
	2	0	1	2	0	0	2	0	0	7	0	0	0	0
	0	0	0	0	0	0	0	0	0	3	0	0	6	0
	0													
OTU4600	0	3	0	0	0	1	0	0	0	0	0	0	0	
	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	2	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	0	0	0	1	0	0	0	0	1	0	0	0	0	0
	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	1	0	0	0	0	0	0	0	0	0	1	0	0	0
	0													
OTU2045	0	2	2	41	0	0	3	0	6	2	112	12	122	
	704	0	16	29	23	726	0	7	0	34	1	5	0	30
	0	19	388	118	103	16	5	93	0	3	0	0	0	222

	4	3	183	16	75	5	30	0	135	1	12	2	137	1
	175	0	156	0	2	72	121	60	16	45	56	9	7	31
	65	0	0	7	3	23	107	0	1	3	1	1	3	1
	4	17	21	0	0	4	23	0	368	26	69	1	0	347
	67	20	3	0	0	1	1	1	15	1	0	115	85	0
	1													
OTU8477	0	1	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
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OTU675	0	1	0	0	0	0	0	2	0	6	0	6	0	
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OTU12182	0	1	0	0	0	0	0	0	0	0	0	0	0	
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	0													

OTU1005	0	4	0	0	0	0	0	0	0	0	0	0	0
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OTU300	0	1	5	2	1	1	0	1	17	9	0	0	0
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OTU10981	0	1	0	0	0	0	0	0	0	0	0	0	0	0
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OTU1765	0	1	0	0	0	0	0	0	0	0	0	0	0	0
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0 1 6 0 0 2 0 1 1 2 0 3 1 1

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OTU1249	0	1	0	0	0	0	0	0	0	2	0	0	0
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OTU6870	0	2	0	0	0	0	0	0	2	0	0	0	0
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OTU12180	0	1	0	0	0	0	0	0	0	0	0	0	0
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OTU1135	0	1	0	0	0	0	0	0	0	0	0	0	0
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	6	0	0	7	0	2	1	0	0	0	0	0	0	0
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OTU14645	0	2	2	3	3	2	5	7	4	2	4	0	2
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OTU8481	0	1	0	1	0	0	0	0	1	0	0	0	0
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	0													
OTU1951	0	5	0	0	1	10	2	0	18	0	0	0	0
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	5	0	4	0	1	16	0	4	16	35	2	38	4	3
	3	5	1	10	0	12	4	36	47	0	5	0	17	0
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OTU5835	0	1	0	0	0	0	0	0	2	0	0	0	0	
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	0	0	4	4	0	3	0	1	1	1	0	2	0	10
	0	1	0	0	0	0	0	0	0	0	9	3	0	0
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OTU1565	0	6	1	0	0	0	0	0	0	0	0	0	0	
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	0	0	0	0	0	9	0	0	0	0	0	0	0	0
	0													
OTU164	0	2	0	1	0	0	4	0	0	0	0	1	0	
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	0	0	0	0	0	0	0	4	0	0	0	0	0	0
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	0	7	0	0	0	0	0	0	0	0	20	1	0	0
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	0	2	137	6	11	958	21	0	353	31	0	0	0	3
	73													
OTU10181	0	1	0	0	0	0	0	0	1	0	0	0	0	
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OTU8483 0 1 0 0 0 0 0 0 0 0 0 0 0
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OTU10805 0 1 0 0 0 0 0 0 0 0 0 0 0
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OTU14309	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	1
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	0												
OTU8205	0	2	3	0	4	0	2	3	2	4	0	2	0
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	2	0	3	1	1	2	2	1	1	1	3	1	5	1
	0	0	2	2	0	1	0	1	2	4	0	2	1	1
	1	0	1	3	0	2	0	1	2	1	1	1	2	2
	2	0	2	1	5	0	1	2	0	1	0	7	2	1
	1	2	1	1	1	2	0	2	1	0	0	0	2	1
	0	1	3	0	2	1	0	1	0	2	1	0	0	1
	6													
OTU10804	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU659	0	2	0	1	0	1	0	1	0	0	0	0	0
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	0	0	3	3	0	0	0	0	0	0	0	0	5

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	0												
OTU9884		0	1	0	0	0	0	0	0	0	0	0	0
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	0												
OTU8472		0	1	0	0	0	0	0	0	0	0	0	0
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OTU14393		0	1	0	0	0	0	0	1	0	0	0	0	0
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	0												
OTU570		0	1	0	0	0	0	1	0	0	0	0	0	0
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	3	0	4	0	1	0	2	0	5	0	0	0	0
	1	0	2	4	0	0	0	0	0	0	0	0	4
	0												
OTU726	0	1	0	0	0	0	0	0	0	0	0	0	0
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OTU3578	0	1	0	0	0	0	0	0	0	0	0	0	0
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OTU8471	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												

OTU12163	0	2	0	0	0	0	0	0	1	0	0	0	0
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1	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	2	0	0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	0	1	0	0	2	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	1	0	0	0
0													
OTU10807	0	1	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU4163	0	2	0	0	0	0	1	0	1	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	1	0
0	0	2	0	0	0	0	3	0	1	0	6	0	0
0	0	0	0	0	7	0	0	0	0	0	0	0	0
1	1	7	12	2	8	15	3	5	15	0	0	0	12
2													
OTU330	0	2	13	0	0	6	1	0	11	1	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	1	0	12	0	0	0	0	0	0
0	32	0	0	0	0	0	0	0	0	0	0	3	0
0	2	7	0	0	0	0	0	0	17	0	0	0	8

	0	1	0	16	0	6	0	0	0	1	0	4	4	0
	0	0	0	8	0	0	1	4	1	19	0	0	0	0
	3													
OTU8473	0	1	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	1	0	0	0	2	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU112	0	1	4	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	1	0	0	0	0	3	0	0	0	0	0
	1	39	0	0	0	0	0	0	0	0	3	0	0	0
	0	0	14	0	0	0	0	0	29	66	0	62	0	1
	10	0	0	0	0	183	2	56	168	0	47	0	0	0
	55	1	0	0	0	0	0	266	0	0	0	96	0	1
	0	8	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	14	4	21	37	26	0	13	1	0	1	0	4
	1													
OTU5436	0	3	0	0	0	0	1	0	0	0	0	0	0	0
	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	38	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	0	0	1	0	2	0	0	0	0	0	0	3	0	1
	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	0	0	2	1	2	3	2	3	2	1	0	0	0	0
	0													
OTU444	0	9	0	0	0	0	0	0	2	0	0	1	0	
	0	0	0	0	0	0	0	0	0	0	0	5	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	3	0	1	0	0	0	0	0	0	0	0	0
	0	14	0	0	6	0	0	0	0	0	0	1	0	1
	0	0	0	1	0	0	0	0	0	0	0	1	14	0
	0	0	4	3	1	6	7	7	27	4	0	0	0	12
	0													
OTU7573	0	1	0	0	4	0	2	2	0	2	0	0	1
	2	4	3	0	1	1	1	0	0	1	0	2	0	0
	1	1	1	2	0	1	0	2	0	0	0	1	8	0
	2	2	1	1	0	3	0	0	2	6	0	0	2	0
	1	1	1	0	0	3	1	2	0	3	0	1	3	0
	0	2	1	0	1	1	0	1	0	1	0	4	0	2
	1	0	0	0	1	3	2	0	0	0	1	0	2	0
	0	2	2	3	0	0	1	1	1	0	0	0	0	1
	2													
OTU2395	0	2	0	0	0	0	0	0	0	0	0	0	4	0
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	0	0	0	0	0	0	1	0	1	1	3	0	0	0
	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	2	0	1
	0	0	0	0	0	0	1	0	2	0	2	0	0	0
	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	0													
OTU12258	0	1	1	0	1	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	1	0	0	0	0	0	0	1	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	0													

OTU14264	0	1	0	0	1	0	0	1	0	0	0	1	0
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	0	0	0	0	0	0	1	1	0	0	0	0	0
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	0	0	0	0	0	0	1	0	0	1	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU1128	0	3	0	0	3	2	1	0	0	1	0	8	0
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	3	0	0	0	0	1	0	0	3	0	0	0	23	0
	14	0	0	0	0	2	0	10	0	0	0	0	0	2
	0	3	0	1	0	0	0	0	0	0	0	0	2	0
	0	8	4	0	0	1	0	0	2	8	0	1	0	1
	0	0	0	0	0	2	0	6	0	1	0	10	16	0
	1	1	1	11	0	0	0	5	2	5	2	4	0	12
	4													
OTU12160	0	1	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU3480	0	1	0	0	0	0	0	0	2	2	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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	0	0	1	2	1	0	1	1	1	0	0	0	0	2
	0													
OTU775		0	1	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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116 4 24 1 21 75 8 3 0 0 6 2 3 33
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OTU14638	0	1	0	1	1	0	1	0	0	0	1	0	0
	0	0	1	0	1	0	0	0	0	2	0	1	0	0
	0	0	2	1	0	1	1	0	0	0	0	1	0	0
	0	0	0	0	2	0	0	0	1	0	1	0	2	0
	0	2	0	0	0	0	0	0	0	0	0	0	0	0
	1	0	0	1	0	0	0	0	0	0	0	0	0	0
	0	0	1	0	0	0	0	0	0	0	0	0	0	1
	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	0													
OTU12171	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU7538	0	1	0	0	0	0	0	1	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	12	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	1	0	0	0	0	0	0	0	0	1	0
	0	0	0	0	1	0	0	0	0	1	1	0	0	0
	4	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													

OTU12164 0 1 0 0 0 0 0 0 0 0 0 0 0
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OTU10809 0 1 0 0 0 0 0 0 0 0 0 0 0
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OTU15745 0 1 0 0 0 1 0 0 0 0 0 0 0
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OTU15534 0 1 0 1 0 0 0 2 2 0 12 0 1
0 0 6 0 6 3 0 1 1 0 0 0 1
0 0 2 6 0 0 0 0 0 2 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0

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OTU10787 0 1 1 0 0 0 0 0 0 0 0 0 0
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OTU6390 0 1 0 0 0 0 0 0 0 0 0 0 0
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OTU3770 0 1 0 1 0 1 1 0 0 0 0 0 0
1 1 0 0 0 0 1 0 0 3 0 2 0 0
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OTU455 0 1 2 10 3 3 1 0 1 0 0 0 0
0 1 0 2 0 0 0 0 0 0 0 0 0 0
0 0 0 0 6 0 3 0 1 0 1 0 0 0

0 0 0 0 2 0 0 0 1 1 1 0 0 0
0 0 1 4 2 0 0 3 0 1 0 0 2 0
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OTU10808 0 1 0 0 0 0 0 0 0 0 0 0 0
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OTU13294 0 1 0 0 0 0 0 0 0 0 0 0 0
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OTU8474 0 1 0 0 0 0 0 0 0 0 0 0 0
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0

OTU10812	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU501	0	6	4	0	0	0	0	0	1	0	0	1	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	2	0	0	0	0	0	0	0	0	0
	0	0	0	0	1	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1	0	0	2
	0	1	0	0	0	0	0	0	0	0	1	0	0
	0	0	0	24	7	2	0	2	2	3	0	0	3
	0												
OTU12170	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU2237	0	1	0	0	0	0	0	1	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU14128	0	2	4	0	1	2	0	1	1	1	0	0	0
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3	0	0	1	0	0	0	0	0	2	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0	0	0	0
0	0	3	1	2	4	0	0	4	0	0	1	3	0
0	0	0	0	1	0	1	0	0	1	1	0	0	0
1	0	0	0	0	0	0	0	0	0	2	2	0	0
0													
OTU1650	0	3	0	0	0	0	0	0	1	0	0	0	0
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2	0	0	0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0	0	1	0
0	0	0	0	0	0	0	0	0	0	0	0	0	6
0	0	0	2	0	0	0	1	0	0	0	0	0	0
0	0	0	3	0	0	2	0	0	0	0	0	0	0
0													
OTU10813	0	1	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU8574	0	1	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0

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OTU9400 0 1 0 1 1 1 1 0 2 0 0 0 0
0 0 1 0 1 6 0 0 0 11 0 0 0 1
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OTU711 0 1 0 0 0 0 0 0 0 0 0 0 0
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0 2 0 0 0 0 0 0 0 0 0 0 4 0
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OTU9840 0 1 0 0 0 1 0 3 0 0 0 0 0
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OTU12169 0 1 0 0 0 0 0 0 0 0 0 0 0
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OTU2015 0 1 0 0 0 0 0 0 0 0 0 0 0
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OTU12165 0 1 0 0 0 0 0 0 0 0 0 0 0
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OTU10810 0 1 0 0 0 0 0 0 0 0 0 0 0
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OTU12168 0 1 0 0 0 1 0 0 0 0 0 0 0
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OTU14252 0 1 0 0 0 0 0 0 0 0 0 0 0
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OTU12166 0 1 0 0 0 0 0 0 0 0 0 0 0
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OTU12167 0 1 0 0 0 0 0 0 0 0 0 0 0
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OTU10811 0 1 0 0 0 0 0 0 0 0 0 0 0
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OTU12196 0 1 0 0 0 0 0 0 0 0 0 0 0
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OTU9882 0 1 0 0 0 0 0 0 2 0 0 0 0
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0

OTU5885	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	1	0	0	0	0	0	0
	0	0	1	0	0	0	0	0	0	0	0	0	0
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	1	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU12197	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU499	0	1	1	1	0	1	2	2	2	1	1	0	0
	0	3	0	1	0	0	4	2	1	0	1	0	3	0
	1	1	0	0	0	0	1	1	0	0	0	0	2	0
	0	0	0	0	0	3	0	0	0	0	0	0	0	0
	0	1	0	2	0	0	0	0	0	0	0	1	2	0
	0	4	8	2	1	1	0	2	1	0	0	1	1	0
	0	1	0	3	1	0	1	3	0	1	0	1	1	0
	0	1	2	6	2	0	1	3	2	1	0	1	0	10
	3													
OTU10796	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0

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0 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU7799 0 2 0 0 0 0 1 0 0 0 0 0 0
0 0 0 0 0 0 1 0 0 0 0 0 0 0
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OTU12195 0 1 0 0 0 0 0 0 0 0 0 0 0
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OTU10797 0 1 0 0 0 0 0 0 0 0 0 0 0
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OTU1486 0 1 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 1 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0

0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU71 0	5	31	0	9	12	3	8	8	24	0	0	0	0
0	0	0	0	0	5	0	0	0	0	1	1	0	0
0	0	0	0	0	0	0	1	3	0	0	0	0	28
0	1	0	0	1	0	11	0	1	0	1	1	0	0
0	0	2	0	1	2	0	3	0	0	0	46	0	0
638	7	0	16	1	0	1	0	0	14	7	0	80	1
2	0	3	2	0	0	20	0	0	0	477	177	0	0
215	321	158	61	147	15	159	205	297	0	6	0	66	250
OTU14256	0	1	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU4021	0	1	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	1	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													

OTU492	0	2	0	0	0	0	1	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	0	0	0	0	0	0	0	0	0	0	0	0
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OTU14596	0	2	0	0	0	0	0	0	0	0	0	0	0
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OTU3606	0	1	4	0	0	0	0	1	0	0	0	0	0
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	0												
OTU12193	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU277	0	1	0	0	0	1	0	0	0	12	0	0	0
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	0	37	0	0	0	0	0	0	0	0	2	1	0	2
	0	0	0	0	0	0	0	0	0	0	0	5	4	0
	0	56	0	26	55	53	4	84	24	35	0	2	0	24
	9													
OTU8802	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU12457	0	1	0	0	0	0	0	0	3	1	0	0	0
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OTU10793	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU671	0	1	0	0	1	0	1	0	0	0	2	0	0
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	0	0	0	0	0	0	0	0	2	0	0	0	0
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	1	0	0	0	0	0	0	0	0	0	0	0	3
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	0												
OTU8662	0	1	0	1	0	0	0	0	0	0	0	0	0
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OTU2588	0	2	0	0	3	1	0	2	0	0	0	0	1
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	0	1	0	0	0	2	0	2	0	1	1	1	0
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	1												

OTU14257	0	1	6	0	0	0	0	0	0	0	0	0	0
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OTU8578	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU12194	0	1	0	0	0	0	0	0	0	0	0	0	0
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OTU248	0	2	44	0	0	0	0	0	11	3	0	0	0
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	0	9	0	0	0	0	0	4	0	0	1	0	0	0

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	11													
OTU3125	0	1	0	0	0	0	0	0	0	0	0	0	0	
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	0	0	1	0	0	0	0	0	0	0	0	1	0	
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	0													
OTU10795	0	1	0	0	1	0	0	0	0	0	0	0	0	
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OTU16783	0	1	0	0	0	0	0	0	0	0	0	0	0	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	0													
OTU9386	0	1	0	0	0	0	0	0	0	0	0	0	0	
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11
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OTU10794 0 2 0 0 0 0 0 0 0 0 0 0 0
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OTU174	0	1	0	0	0	0	0	0	0	0	22	0	0
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	0													
OTU12203	0	1	0	0	0	0	0	0	0	0	0	0	0	0
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	0													
OTU12204	0	1	0	0	0	0	0	0	0	0	0	0	0	0
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	0													
OTU1734	0	1	0	0	1	0	0	0	0	0	0	0	0	0
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	0												
OTU10802	0	1	0	0	0	0	0	0	0	0	0	0	0
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OTU8575	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU1192	0	1	0	0	0	0	0	0	1	0	0	0	0
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	0												
OTU14254	0	1	0	0	0	0	0	0	0	0	0	0	0
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OTU12201 0 1 0 0 0 0 0 0 0 0 0 0 0
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OTU3185	0	1	0	0	0	0	0	0	2	2	3	0	1
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	0	1	0	0	1	0	0	1	0	5	0	1	0	0
	1	1	1	2	0	2	0	0	1	0	0	1	1	1
	2	0	0	0	1	2	0	3	0	0	0	3	0	0
	3	0	0	1	0	2	0	0	0	0	2	1	2	0
	1	2	0	0	1	0	0	1	1	1	0	2	1	0
	1													
OTU12202	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU10801	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU8576	0	1	0	0	0	0	0	0	0	0	0	0	0
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OTU8577 0 1 0 0 0 0 0 0 0 0 0 0 0
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OTU10800 0 1 0 0 0 0 0 0 0 0 0 0 0
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OTU8567	0	1	0	0	0	0	0	0	0	0	0	0	0
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OTU285 0 1 0 0 0 0 1 1 0 0 0 2 0
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14
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OTU11734 0 1 2 0 0 2 1 4 11 1 63 0 2
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OTU14595	0	1	0	0	0	0	0	0	0	0	0	0	0	0
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OTU108	0	1	16	4	0	1	5	3	17	2	0	3	0	
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OTU8565	0	1	0	0	0	0	0	0	0	0	0	0	0	
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OTU12188 0 1 0 0 0 0 0 0 0 0 0 0 0
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OTU14597	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU1111	0	2	0	0	0	2	0	0	1	0	0	0	0
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	0	0	0	0	0	0	0	1	0	0	0	0	0
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	0	4	1	0	3	0	0	0	0	0	0	10	0	0
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	0	0	9	2	8	4	4	2	4	2	0	0	0	6
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OTU11362	0	1	2	0	0	9	13	0	7	9	0	0	0
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	4	0	0	0	0	0	0	2	0	0	0	0	0	0
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	1	8	3	0	7	1	0	1	0	17	1	2	0	2
	0	1	0	12	0	5	0	7	0	1	0	10	3	0
	0	3	3	7	6	3	1	5	3	8	0	0	0	5
	6													
OTU1335	0	1	7	1	0	2	10	0	1	1	0	0	0
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	0	0	0	3	0	0	0	0	0	0	0	1	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	11	0	0	0	0	2	0	0	1	1
	0	0	0	1	0	0	0	1	0	2	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													

OTU8991 0 1 0 0 0 0 0 0 0 0 0 0 0
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1 0 0 0 0 0 0 0 0 0 0 0 0
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0
OTU7004 0 1 0 0 0 0 0 2 0 0 0 0 1
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0
OTU14605 0 1 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU3420 0 1 0 0 0 0 0 0 0 0 0 0 0
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2 3 0 2 1 0 0 0 0 0 1 0 0 0
0 0 12 0 0 0 0 0 1 1 1 0 0 0
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1 0 0 0 0 0 0 0 0 0 0 0 0 0

1 10 0 0 0 0 2 0 0 0 0 0 0 0
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0
OTU12189 0 1 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0
0
OTU14550 0 1 2 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 2 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0
0
OTU12190 0 1 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
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0
OTU14603 0 1 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0

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	0												
OTU14604	0	1	0	0	0	1	0	0	0	0	0	0	0
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	0												
OTU851	0	1	0	0	0	0	0	0	0	1	0	0	0
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	0	0	0	0	0	0	0	0	1	0	1	0	0	1
	4	0	0	0	0	0	0	0	0	0	0	0	2	0
	0	3	0	0	0	0	0	1	0	1	0	0	0	0
	0												
OTU793	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	4	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												

OTU10835 0 1 0 0 0 0 0 0 0 0 0 0 0
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0
OTU10565 0 1 0 0 0 1 1 0 0 0 0 0 0
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0 0 2 1 0 0 0 0 0 1 0 0 0
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0
OTU8571 0 1 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 1 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
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0
OTU223 0 1 0 0 0 0 0 1 0 4 0 0 0
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0 0 0 0 1 0 1 0 0 0 0 0 0
0 0 0 0 0 0 0 2 0 0 0 0 1
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0 15 0 0 0 0 0 0 0 0 1 0 0

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66													
OTU2244	0	1	22	0	0	0	0	0	0	0	0	0	0
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1	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	1	0	0	0	0	2	0	0	0	4	0	0
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OTU12183	0	1	0	0	0	0	0	0	0	0	0	0	0
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3	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU14606	0	1	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU684	0	1	0	1	0	0	0	2	2	0	6	0	12
4	0	0	0	8	8	0	8	1	320	7	50	3	3
0	1	28	0	0	28	36	2	0	0	7	21	1	1

	0	0	22	32	2	0	110	0	0	0	1	67	12	1
	6	0	2	0	0	0	2	0	0	2	0	4	0	1
	0	0	2	6	0	1	55	0	2	2	85	0	2	0
	22	0	36	0	4	0	1	0	51	0	2	0	0	0
	3	0	0	0	0	0	0	0	0	0	15	0	0	0
	1													
OTU14607	0	1	0	0	0	0	0	0	0	0	0	0	0	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0													
OTU10175	0	1	0	0	0	0	0	1	0	1	0	0	0	
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	0	0	0	0	1	0	0	0	0	1	0	0	0	
	0	0	0	0	1	0	0	0	1	0	1	0	0	
	0	1	1	0	2	0	0	1	1	0	0	0	0	1
	1	0	1	0	0	0	0	1	0	1	0	0	0	
	0	0	1	0	1	0	0	2	0	0	0	0	0	
	2													
OTU10836	0	1	0	0	0	0	0	0	0	0	0	0	0	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0													

OTU14601	0	1	0	0	0	0	0	0	0	0	0	0	0
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OTU8240	0	1	0	0	1	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	1	0	1	0
	0	0	0	0	0	0	0	0	1	0	0	0	0
	0	0	0	0	0	0	0	1	0	0	0	1	0
	0	0	0	0	0	1	0	1	0	0	0	0	1	0
	0	0	1	0	0	0	0	0	0	2	0	0	0	0
	0												
OTU418	0	2	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	3	0	0	0	0	0	0	0	0	0	0	0
	0	16	0	0	1	0	0	3	0	0	3	1	0	0
	0	0	0	0	0	0	0	2	0	0	0	0	5	0
	0	1	10	38	11	21	8	1	35	10	0	0	0	30
	26												
OTU8595	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0

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0 0 0 0 0 0 0 0 0 0 0 0 0 0
0
OTU12184 0 1 0 0 0 0 0 0 0 0 0 0 0
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OTU12185 0 1 0 0 0 0 0 0 0 0 0 0 0
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OTU14553 0 1 7 0 0 0 0 0 0 0 0 0 0
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OTU10840 0 1 0 0 0 0 0 0 0 0 0 0 0
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	0	0	1	0	0	0	0	0	0	0	0	0	0
	0												
OTU14602	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	1	0	0	0	0
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	0												
OTU10841	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU772	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0												

OTU10839	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU9319	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	2	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	1	0
	0	0	0	0	0	0	0	1	0	3	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	2	0
	1	10	0	2	7	2	3	2	0	0	0	0	0
	2												
OTU8596	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU870	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0	3	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	1
0													
OTU1620	0	1	1	1	0	1	2	2	4	1	0	0	0
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23	1	0	6	0	7	0	0	0	1	0	2	0	0
0	2	0	2	0	0	0	0	0	0	0	0	0	0
0	18	1	0	11	0	0	1	0	14	0	12	0	2
0	0	0	0	0	13	0	0	0	0	0	30	15	0
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3													
OTU4576	0	1	0	0	0	0	0	0	0	0	0	0	0
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OTU12192	0	1	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU8593	0	1	0	0	0	0	0	0	0	0	0	0	0
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OTU1680 0 1 0 2 0 0 0 0 0 0 0 2 0
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4 2 1 0 3 0 1 0 0 0 0 0 0 1
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OTU5139 0 1 0 4 0 1 0 0 0 0 2 0 0
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0 0 0 0 0 0 0 7 0 0 2 0 1 8
0 1 0 0 0 0 1 0 0 0 0 0 0 3
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU16667 0 1 2 0 0 1 0 0 1 2 0 4 0
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1 0 0 0 0 0 0 1 3 0 0 0 1 0
0 1 0 0 0 3 0 4 0 0 3 0 0 8
1 7 0 1 1 0 0 0 0 1 0 0 0 1
0 0 0 0 0 0 0 0 3 1 0 0 1 2
1 0 0 0 3 2 0 1 0 3 4 0 1 0
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2

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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU12191	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU646	0	1	0	0	2	0	1	0	0	0	0	0	0
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	0	3	0	1	0	0	5	1	0	0	0	0	0
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OTU8594	0	1	0	0	0	0	0	0	0	1	0	0	0
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	0												
OTU14589	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU5003	0	1	0	0	0	0	0	1	0	2	3	0	0
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	1	3	3	0	1	0	0	2	0	0	0	1	0	0
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	0													
OTU14588	0	1	0	0	0	0	0	0	0	0	0	0	0	0
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	0													
OTU7473	0	1	3	0	0	6	2	0	1	0	0	2	1
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	0	0	1	7	1	0	2	1	1	0	0	1	1	0
	0	0	1	4	4	0	0	1	1	0	0	2	0	0
	2	3	1	0	0	0	3	1	0	16	5	0	1	4
	1	0	0	1	1	0	0	0	3	3	0	10	7	2
	4													
OTU1877	0	1	1	0	1	0	0	1	2	1	1	0	1	
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	0	0	1	0	0	0	1	0	0	2	0	3	0	0
	3	0	0	0	0	0	1	1	0	4	1	1	0	0
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	2	0	1	1	4	1	0	2	0	0	0	0	0	1
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OTU1316	0	0	26	1	3	0	14	7	38	11	0	0	2	
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	16	5	0	3	0	0	0	0	0	0	0	1	0	0
	0	14	0	0	0	0	0	0	0	0	1	0	0	0
	0	0	0	0	35	0	0	1	1	48	4	0	3	21
	2	0	0	10	11	30	0	0	0	0	1	3	0	0
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	0													
OTU10771	0	0	3	0	0	0	0	0	0	0	0	0	0	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													

OTU764	0	0	41	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	5	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	2	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	2	0	0	0	0	0	0	0
	0												
OTU407	0	0	5	0	0	0	0	0	0	0	1	0	7
	0	0	5	11	0	0	0	0	20	0	0	0	1	0
	5	3	0	0	7	0	4	1	0	0	1	0	0	0
	1	1	11	0	6	8	0	0	0	0	0	0	0	0
	3	0	0	6	0	6	0	1	1	6	13	0	6	1
	2	16	0	0	0	0	0	0	0	0	0	1	2	0
	0	1	1	1	0	0	0	1	30	0	0	1	0	14
	0	3	0	0	34	0	4	0	0	0	0	3	1	0
	0													
OTU10837	0	0	1	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU10838	0	0	1	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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	0												
OTU15697	0	0	1	0	0	0	4	0	1	0	1	0	3
	1	9	6	0	0	4	0	1	0	0	2	0	0	4
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	1	0	1	0	1	0	0	0	0	0	0	0	3	0
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	1	0	0	0	0	0	0	1	0	0	0	0	3	0
	0													
OTU260	0	0	2	0	1	0	2	2	36	3	0	0	0
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	1	0	0	0	0	0	0	1	0	0	0	0	0	0
	0	0	0	1	0	0	1	0	0	0	0	0	0	0
	3	51	0	0	2	0	0	1	0	11	1	10	0	9
	0	0	0	3	0	2	0	8	0	0	0	12	15	0
	0	13	2	52	46	14	1	64	10	28	0	2	0	2
	62													
OTU50	0	0	3	0	3	5	0	5	12	7	0	18	1	0
	0	0	32	0	0	4	85	33	0	19	0	0	0	78
	163	0	0	26	0	8	4	5	0	50	0	24	0	120
	1	30	3	123	1	1	0	4	8	235	27	75	3	7
	1	14	9	46	2	69	15	39	4	52	10	79	65	41
	2	13	8	22	0	0	5	1	0	2	279	2	608	0
	5	9	0	4	0	1	494	0	5	7	1	1	3	36
	0	30	7	7	6	8	4	3	3	0	1	144	8	10
OTU8597	0	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU10830	0	0	7	0	0	0	0	0	0	0	0	0	0
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OTU416	0	0	31	0	0	2	22	6	6	3	0	0	0
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	0	0	0	0	2	0	0	1	0	5	0	0	0	11
	0	1	0	2	0	0	0	0	0	0	0	0	0
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	0												
OTU498	0	0	1	0	0	0	0	0	5	1	0	0	0
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	4	0	0	0	0	0	0	0	0	0	0	0	0
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	0	1	0	0	0	0	0	0	0	0	1	0	0
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	0	2	1	2	3	0	0	0	0	3	0	0	0	5
	0												

OTU5803	0	0	1	0	0	0	0	1	0	0	0	1	0
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	0	0	0	0	0	1	1	1	1	3	0	0	0
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	1	0	0	0	2	0	0	0	0	1	0	1	0
	1												
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	0	0	1	1	0	1	0	0	0	0	0	0	1
	0												
OTU8598	0	0	1	0	0	0	0	0	0	0	0	0	0
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OTU7420	0	0	2	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	2	0	0	0	0	0	0	0	0
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	0												
OTU11455	0	0	2	0	3	0	1	0	0	1	0	1	0
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	0	0	1	0	1	0	0	0	1	1	0	0	0	0
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	0	1	0	0	1	1	1	0	0	0	0	1	0	0

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1													
OTU414	0	0	1	0	0	0	0	0	0	1	0	0	0
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OTU6241	0	0	1	0	0	0	0	0	0	0	0	1	0
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0													
OTU2906	0	0	1	0	0	3	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	2	0	0	0	0	2	1	0	0	0	0
0													
OTU320	0	0	16	0	0	0	0	2	10	5	0	0	1
0	0	0	11	2	0	2	0	3	2	4	1	25	0
99	2	0	0	5	2	7	0	0	0	11	0	23	0

	19	2	1	0	0	3	0	4	7	3	3	8	0	0
	0	2	0	1	0	0	2	3	16	0	0	1	3	0
	1	0	0	0	1	8	0	0	0	0	0	15	0	15
	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU28	0	0	2	0	0	3	1	0	0	0	4	1	7	1
	0	0	1	0	2	9	1	641	0	517	0	0	59	14
	181	0	0	1059	0	129	6	1	2	11	0	2	0	0
	0	707	0	403	0	1	0	374	1830	32	22	102	10	476
	4	19	5	436	1399	66	708	406	1059	4589	298	60	16	1211
	0	1	2	0	0	0	2	0	8	0	2	1	4	1
	6	0	0	0	0	0	0	68	3	0	0	0	0	19
	0	0	6	0	1	0	0	0	0	0	0	4	1	0
OTU12294	0	0	1	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0													
OTU12295	0	0	1	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0													

OTU99	0	0	10	1	1	4	1	1	14	5	0	1	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	2	0	0	0	0	1	0
	1	0	0	0	0	0	2	0	0	0	0	0	2	0
	1	0	1	0	0	0	0	1	0	1	0	2	0	0
	65	1	0	0	0	0	1	0	0	11	0	0	0	0
	0	0	1	0	0	0	0	0	0	0	237	127	0	0
	113	104	0	226	45	82	245	85	125	1	9	0	9	23
OTU720		0	0	2	0	1	0	1	0	0	2	0	1	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	1	0	0	0	0	0	0	1	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	2	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	1	1	0	0	0	0	0	2	0	1	2	0
	0	3	0	2	1	0	0	5	1	3	0	1	0	2
	0													
OTU2496		0	0	5	0	1	0	0	2	0	1	0	17	0
	0	0	0	0	0	0	1	0	0	0	0	1	0	0
	0	0	0	0	0	0	0	9	0	3	0	0	0	0
	2	9	0	2	0	3	1	3	0	0	6	0	0	1
	0	11	0	2	0	0	0	0	0	0	0	0	0	0
	0	0	6	9	0	0	0	0	0	1	2	0	8	0
	0	0	0	3	0	0	2	0	0	20	5	0	0	0
	6	0	0	0	0	0	0	0	1	2	6	2	0	0
	0													
OTU10823		0	0	1	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU3757	0	0	3	17	0	0	1	6	4	5	1	0	1
0	1	0	5	2	2	5	0	1	0	28	118	4	0
0	0	0	62	1	0	0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	0	26	3	6	0	0	2
1	13	0	0	0	0	0	0	0	6	0	0	0	0
0	1	0	21	0	23	0	1	0	2	0	2	0	5
18	0	24	8	0	0	8	1	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	7	0	0	0
0													
OTU159	0	0	22	0	0	5	8	28	183	10	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	2	0
0	0	1	0	0	0	0	0	0	0	0	15	0	0
0	0	0	1	0	0	0	0	8	0	2	0	1	0
0	3	119	0	1	0	0	21	0	11	1	0	0	5
0	3	0	0	0	0	0	561	0	0	0	0	3	0
0	0	2	6	2	7	2	1	15	2	0	1	0	0
0													
OTU11405	0	0	1	0	0	0	0	0	0	0	0	3	1
1	0	1	1	0	0	0	0	2	0	0	0	0	0
0	2	0	2	0	0	0	1	6	0	2	0	0	0
0	0	0	0	2	0	0	0	2	0	1	2	0	0
1	1	2	0	1	1	0	0	0	1	1	4	0	1
0	0	0	3	0	0	0	0	1	0	0	0	0	1
0	0	0	0	0	0	6	8	0	0	1	0	0	2
1	0	0	0	0	0	0	0	0	0	0	0	1	0
0													
OTU14591	0	0	1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0

	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU7128	0	0	1	0	0	1	0	1	0	1	1	1	0
	0	1	1	0	0	0	0	0	0	0	0	0	0
	0	0	1	0	0	1	0	1	0	0	0	0	1
	0	0	1	0	0	0	1	0	0	1	0	0	0
	0	0	1	0	0	0	0	0	1	0	0	0	0
	1	0	0	1	2	0	0	1	0	0	0	1	0
	1	0	0	1	0	0	0	1	0	0	0	0	0
	1	0	0	0	1	1	0	0	1	1	0	0	0
	2												
OTU393	0	0	1	5	3	1	2	0	5	1	0	1	0
	0	0	0	0	0	0	2	0	0	0	0	0	0
	0	0	0	0	0	0	0	1	1	0	1	0	3
	0	0	0	0	0	1	0	1	0	0	1	1	0
	1	0	0	0	0	0	0	0	0	0	0	0	2
	0	4	0	2	0	0	0	0	0	0	0	2	0
	0	2	0	0	2	0	0	0	0	3	0	1	0
	2	0	0	0	1	0	2	4	2	0	0	1	0
	1	1	3	3	3	5	1	0	3	2	0	0	1
	3	0											
OTU5275	0	0	14	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	2
	0	0	0	0	2	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	1	0	0	0	0	0	0	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												

OTU9698	0	0	1	0	1	0	0	0	1	0	0	0	0
	0	0	0	0	0	0	0	0	1	0	0	0	0
	0	0	3	0	0	1	0	0	0	0	0	0	0
	0	0	0	0	0	1	1	0	0	0	0	1	0
	1	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	1	0	0
	0	0	0	0	0	0	0	1	0	0	0	0	0
	0	0	1	0	0	0	0	0	0	0	0	0	0
	0												
OTU10763	0	0	16	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	1	0	0	0	0
	0												
OTU32	0	0	2	72	0	3	7	0	1	24	15	0	0	0
	1	100	2	273	2	138	2	0	13	0	30	1	263	117
	0	14	1816	0	152	0	0	0	8	0	80	0	0	82
	44	0	3	0	0	0	4	1	0	0	9	0	0	0
	1	0	2	0	1	0	3	0	0	1	0	2	1	0
	0	0	0	0	1	3004	0	0	16	4	60	41	2	6
	0	3	4	2	12	4	0	4	1092	0	0	0	0	0
	0	1	0	0	0	0	0	0	0	10	0	2	0	0
OTU265	0	0	16	0	0	1	0	6	7	75	0	17	0
	0	0	3	0	0	4	0	0	0	1	0	0	0	0
	0	1	0	50	0	0	0	0	1	0	1	0	0	22
	1	0	0	0	12	1	0	1	0	0	0	0	0	0
	0	0	0	1	0	0	7	0	0	0	0	0	0	1
	0	13	0	0	0	4	0	0	32	0	0	0	0	0
	0	3	0	0	0	0	0	0	0	4	0	3	20	0

	0	3	4	31	5	3	1	10	2	3	0	3	1	144
	0													
OTU2279	0	0	1	0	0	1	0	0	1	0	0	0	0	
	0	0	0	0	1	0	0	0	1	0	0	0	0	
	0	0	1	0	0	0	0	0	0	2	0	1	0	
	1	0	1	0	0	0	0	0	0	1	0	0	0	
	0	0	0	2	0	0	0	0	0	0	0	0	1	
	0	0	0	1	0	0	0	1	1	0	0	0	0	
	0	0	0	0	0	0	0	2	0	0	0	1	0	
	1	0	0	0	0	0	0	0	2	0	0	0	0	1
	0													
OTU12298	0	0	4	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	0	0	0	0	1	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	4	0	0	0	3	0	0	0	0
	0													
OTU6755	0	0	1	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	0	0	0	1	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0													
OTU4520	0	0	10	2	0	0	0	7	6	1	0	3	0	
	4	2	2	3	0	0	6	0	0	0	0	0	0	
	6	0	0	0	0	0	0	0	3	0	0	0	1	1
	7	3	0	0	6	5	0	8	0	0	0	4	0	1

	0	8	0	16	0	1	0	0	1	2	0	0	2	1
	6	3	0	1	1	0	0	2	8	6	0	2	0	2
	0	2	0	2	11	0	8	11	0	1	0	3	5	0
	0	5	1	3	0	0	3	1	4	1	0	0	0	5
	1													
OTU2623	0	0	4	0	0	0	0	1	3	4	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	2	0	0	0	1
	0	0	0	0	0	0	0	1	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0													
OTU2951	0	0	10	0	0	1	2	2	8	12	0	3	0	
	0	0	0	1	0	0	2	2	0	0	1	0	0	0
	6	0	0	0	0	0	0	1	0	0	0	0	3	0
	5	4	0	0	0	0	0	1	0	0	0	1	0	0
	0	0	0	8	0	0	0	1	1	0	0	0	17	0
	0	1	2	0	0	0	0	1	0	3	0	6	0	8
	0	0	0	2	0	0	0	1	0	0	0	4	0	0
	0	3	3	2	4	4	3	1	2	1	0	0	0	7
	5													
OTU8971	0	0	8	0	0	2	0	0	14	3	0	1	0	
	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	12	0	0	0	0	0	0	0	0	0	0	0	16	0
	7	1	0	0	0	0	0	0	0	0	0	3	0	1
	0	10	0	3	1	0	0	0	0	0	1	0	1	1
	0	5	0	0	0	0	0	0	0	1	0	1	0	1
	0	2	0	4	0	1	0	4	0	0	0	1	5	0
	0	3	5	0	4	0	3	2	2	0	0	0	0	3
	3													

OTU10824	0	0	1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	
0													
OTU222	0	0	12	0	0	0	1	0	0	0	1	8	0
0	0	0	0	0	1	0	0	0	0	0	8	0	1
0	0	0	1	0	0	0	0	0	260	0	0	0	0
0	25	0	5	0	1	3	0	0	0	0	0	0	0
0	5	0	0	0	0	0	1	1	0	0	0	2	0
0	0	0	1	6	13	26	0	9	0	104	1	1	0
79	2	1	0	12	1	0	0	1	1	0	0	0	0
0	2	0	0	1	0	0	4	0	0	10	0	0	1
0													
OTU13316	0	0	4	0	2	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	2	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU12296	0	0	1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	

	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU2584	0	0	1	2	1	0	1	0	0	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	1	0	0	0	0	0	0	0	0
	0	0	1	0	3	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	1	0	0	0	0	0	0	0	0	0	0
	0												
OTU9148	0	0	2	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1	0	0	0
	2	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	2	0	0	4	0	1	0	0	0	0	0	0
	1												
OTU12297	0	0	1	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU10825	0	0	1	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0

	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU14594	0	0	1	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU5260	0	0	4	1	1	0	0	1	1	0	0	0	0
	1	0	0	1	3	0	0	0	0	0	0	0	0
	1	1	1	1	1	0	0	0	1	2	1	2	3	1
	0	1	0	0	0	3	0	0	0	1	1	1	2	1
	1	0	0	0	1	0	0	0	0	0	1	0	0	0
	0	5	0	2	1	1	0	1	0	1	0	2	0	1
	0	0	1	0	0	2	0	1	1	1	0	0	0	0
	0	2	0	0	0	1	2	0	0	1	1	0	0	0
	1												
OTU1337	0	0	1	0	0	0	1	0	4	2	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	4	4
	1	0	0	0	0	1	0	0	0	0	0	0	1
	0	0	0	0	0	0	1	0	0	0	0	0	0
	0	6	0	0	2	0	0	0	0	0	0	1	0	0
	0	0	0	3	0	0	0	2	0	0	0	6	2	0
	0	11	11	28	18	15	12	15	6	6	0	1	0	26
	9												

OTU8587	0	0	1	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU10759	0	0	2	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU8588	0	0	1	0	0	0	0	0	0	0	0	0	0
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	0												
OTU14592	0	0	1	0	0	0	1	0	0	1	0	0	0
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OTU375	0	0	4	4	0	0	0	0	0	0	0	0	0
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	0												
OTU16442	0	0	2	0	1	0	1	0	0	1	1	0	1
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	1	0	0	0	0	0	1	0	0	0	0	0	0	0
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	2												
OTU10819	0	0	1	0	0	0	0	0	0	0	0	0	0
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	0												
OTU257	0	0	25	0	0	69	39	0	0	10	0	0	0
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	25												
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	4												
OTU14593	0	0	1	0	0	0	0	0	0	0	0	0	0
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	0												
OTU1067	0	0	4	0	0	0	1	2	6	2	0	0	0
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	11	0	0	0	0	0	0	0	0	0	2	0	0
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	0	0	0	0	1	0	0	0	0	6	0	6	0
	2												
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	0												
OTU9642	0	0	8	0	0	0	0	2	0	0	0	12	0
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	0	6	0	5	1	0	0	0	0	0	0	0	0
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	0	0	12	5	0	0	0	0	0	3	1	1	1
	0	1	0	0	0	0	3	0	0	17	0	0	0
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	0												

OTU389	0	0	2	3	5	2	4	4	2	2	1	1	1
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0	3	0	2	0	0	1	0	0	0	0	0	0	0
0	1	0	2	0	2	1	0	2	2	3	1	2	2
0	0	0	2	0	1	1	4	0	6	1	0	3	0
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OTU10831	0	0	3	0	0	0	0	0	0	0	0	0	0
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OTU5973	0	0	2	0	1	1	1	0	0	0	0	1	0
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1	1	0	0	0	0	0	1	0	0	1	0	0	1
3													
OTU15982	0	0	1	1	3	2	0	0	0	3	1	3	0
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2	2	0	1	1	2	0	0	1	3	0	0	0	1
0	2	1	0	0	0	1	1	0	0	1	3	3	1
2	1	0	0	2	1	0	2	0	1	0	3	0	1

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0	2	0	0	1	0	0	1	2	1	1	0	0	0
3													
OTU12292	0	0	1	0	0	0	0	0	0	0	0	0	0
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0													
OTU2319	0	0	1	0	0	0	0	0	0	0	0	1	4
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0													
OTU6021	0	0	1	0	1	1	0	0	0	0	0	1	0
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0	0	1	0	0	0	0	0	1	0	0	1	0	0
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0													
OTU10822	0	0	1	0	0	0	0	0	0	0	0	0	0
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OTU8584	0	0	2	1	0	0	1	0	0	0	0	0	0
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	0	0	0	0	3	0	0	0	0	0	0	0	0
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	0												
OTU12293	0	0	1	0	0	0	0	0	0	0	0	0	0
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	0												
OTU229	0	0	2	1	0	0	1	4	3	3	0	1	0
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	3	0	0	0	0	0	0	15	0	0	0	1	0	6
	0	2	0	0	0	0	0	0	1	0	0	0	2	0
	1	72	0	0	2	0	0	1	0	1	3	2	0	1
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	0	116	95	241	285	148	253	57	62	190	0	7	0	532
	337													

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OTU12291 0 0 1 0 0 0 0 0 0 0 0 0 0
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OTU8583 0 0 1 0 0 0 0 0 0 0 0 0 0
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OTU4468	0	0	1	1	0	0	0	0	1	0	0	0	0
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OTU8580	0	0	1	0	0	0	0	0	0	0	0	0	0
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OTU8582	0	0	1	0	0	0	0	0	0	0	0	0	0
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1 1 0 2 0 0 0 0 0 0 0 0 0 0
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OTU10820 0 0 1 0 0 0 0 0 0 0 0 0 0
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OTU13668 0 0 1 1 1 0 0 0 1 0 0 0 0
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OTU10834	0	0	2	0	0	0	0	0	0	0	0	0	0
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OTU863	0	0	1	0	0	0	0	0	1	1	0	0	0
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	1												
OTU8585	0	0	1	0	0	0	0	0	0	0	0	0	0
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OTU475	0	0	1	0	2	0	0	0	2	1	0	0	0
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	6													
OTU14590	0	0	1	0	0	0	0	0	0	0	0	0	0	
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	0													
OTU303	0	0	1	0	0	0	0	0	0	0	0	0	0	
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OTU14618	0	0	1	0	0	0	0	0	0	0	0	0	0	
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OTU12302	0	0	1	0	0	0	0	0	0	0	0	0	0	
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OTU9536	0	0	1	0	2	0	0	0	1	0	0	0	0
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	0												
OTU328	0	0	4	0	0	0	1	1	4	3	0	0	1
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	6												
OTU12305	0	0	1	0	0	0	0	0	0	0	0	0	0
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	0												

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OTU753	0	0	2	0	0	0	0	1	0	0	0	0	0
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	0												
OTU12304	0	0	1	0	0	0	0	0	0	0	0	0	0
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3													
OTU761	0	0	1	0	0	0	0	0	0	0	0	1	0
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OTU14160	0	0	2	0	0	2	1	1	1	0	1	0	0
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0													
OTU12303	0	0	1	0	0	0	0	0	0	0	0	0	0
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	0												
OTU641	0	0	1	1	0	1	0	0	3	0	0	0	0
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	0												
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OTU9343	0	0	1	0	0	0	0	0	0	0	0	0	0
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OTU617	0	0	1	0	0	0	1	2	0	2	0	1	0
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	30	0	0	0	0	0	0	0	0	2	0	0	0	0
	1	7	0	0	0	2	8	0	0	5	12	0	0	4
	3	0	0	0	0	0	8	0	3	0	2	12	4	0
	0													
OTU8590	0	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0													
OTU12300	0	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0													
OTU274	0	0	2	0	0	0	1	2	8	1	0	2	0
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OTU181 0 0 7 19 5 1 93 5 60 24 0 1 0
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	1	7	0	0	0	0	0	2	0	25	0	0	0	27
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	11													
OTU7784	0	0	2	0	0	2	1	1	4	1	0	0	0	
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	0	1	0	0	1	0	0	0	0	0	0	1	0	0
	0	0	0	6	0	0	0	4	0	0	0	9	4	0
	0	6	5	6	1	1	18	6	4	6	0	0	0	5
	5													
OTU11305	0	0	1	0	0	0	0	0	0	0	0	0	0	
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OTU5038	0	0	4	0	0	0	2	4	0	3	0	0	0	
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OTU8591	0	0	1	0	0	0	0	0	0	0	0	0	0
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OTU12301	0	0	1	0	1	0	0	0	0	0	0	0	0
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OTU7771	0	0	2	0	0	0	0	2	4	2	0	0	0
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	6	0	0	0	0	0	0	0	0	0	1	0	0
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OTU14617		0	0	1	0	0	0	0	0	0	0	0	0	0
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OTU10826		0	0	1	0	1	0	0	0	0	0	0	0	0
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OTU6720		0	0	1	0	0	1	0	0	0	0	0	0	0
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OTU10855		0	0	1	0	1	0	0	0	0	0	0	0	0
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OTU4938	0	0	1	0	0	0	2	0	0	0	0	0	0	
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	0	1	0	1	0	0	0	0	0	0	0	3	0	
	0	2	0	0	0	1	0	0	0	2	0	0	0	1

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	0													
OTU8534	0	0	1	0	0	0	0	0	0	0	0	0	0	
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OTU1473	0	0	1	0	0	0	0	0	6	0	0	0	0	
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OTU2410	0	0	2	0	1	1	0	0	0	0	1	2	1	
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OTU12370	0	0	1	0	0	0	0	0	0	0	0	0	0	
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OTU14624	0	0	1	0	0	0	0	0	0	0	0	0	0	0
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OTU8535	0	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0													
OTU565	0	0	3	0	0	0	0	0	0	0	0	0	0	0
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OTU14621	0	0	1	0	0	0	0	0	0	0	0	0	0
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OTU14225	0	0	1	2	2	1	2	0	2	2	4	0	0
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OTU5473	0	0	1	0	2	0	0	0	0	1	0	0	0
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OTU869	0	0	2	0	1	0	24	1	7	2	0	2	0
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OTU8541	0	0	1	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU10762	0	0	1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													

OTU12278	0	0	1	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU14568	0	0	2	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU410	0	0	1	0	0	0	4	0	6	7	1	0	0
	0	1	0	1	0	0	2	0	0	0	0	0	0
	2	0	0	0	0	0	0	0	0	0	0	1	0
	3	0	0	0	0	5	0	0	0	0	0	2	0
	0	0	0	0	0	0	0	0	0	0	0	1	0
	0	0	4	0	0	0	0	0	0	4	0	11	0
	0	0	0	9	0	3	0	0	0	0	0	0	0
	0	1	0	0	1	1	1	0	2	1	0	0	0
	4												
	0												
OTU12288	0	0	2	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0

	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU7263	0	0	1	2	2	2	0	0	2	1	0	1	1
	0	4	1	0	1	0	1	2	1	2	0	0	2	1
	0	0	3	4	1	0	0	2	0	0	1	0	2	4
	2	1	0	4	1	1	0	2	3	3	0	1	0	0
	0	2	2	0	0	1	0	0	2	1	2	2	1	1
	3	2	2	1	3	1	0	4	2	0	1	8	1	0
	1	0	0	1	1	4	0	3	2	0	2	0	2	1
	0	1	1	1	4	0	0	3	1	0	1	0	0	2
	4													
OTU9063	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	2	0	2
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU986	0	0	8	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU13585	0	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0

	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU701	0	0	1	0	0	0	0	0	1	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	4	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	2	2	0	3	7	0	0	0	0	0	0	0
	0												
OTU8539	0	0	1	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU12287	0	0	1	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												

OTU7500	0	0	2	0	0	3	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	1	0	0
	0	0	0	0	0	0	0	0	1	0	0	1	1	0
	0	0	0	0	1	0	1	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1													
OTU12289	0	0	1	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU10766	0	0	1	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU373	0	0	2	0	4	1	3	1	1	0	0	6	1
	0	6	0	0	0	1	3	1	0	0	0	0	1	0
	0	0	0	0	0	1	0	1	0	0	0	1	0	0
	2	19	0	4	2	0	1	10	0	1	0	0	0	1
	1	11	0	0	1	0	0	0	0	0	0	1	13	0
	1	0	1	0	4	0	0	2	0	0	1	2	0	2

	2	5	1	3	1	1	1	0	0	4	0	0	0	2
	2	0	0	0	0	0	0	0	0	0	0	0	1	0
	0													
OTU12290	0	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU10769	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU11958	0	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	1	0	0	1	0
	2	0	0	0	0	0	0	0	0	2	0	0	0	0
	0	0	0	1	0	0	0	0	0	1	0	0	2	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	1	0	0	0	0	1	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	3													
OTU8538	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU6237	0	0	3	1	6	1	0	8	0	0	0	1	0
0	1	0	0	0	0	0	0	0	0	0	0	1	1
2	0	0	0	0	0	3	0	1	0	0	0	2	0
0	0	0	2	0	1	0	4	0	0	0	1	0	0
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0	0	1	3	0	1	0	0	0	0	0	0	0	1
0	0	2	6	2	0	2	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU8530	0	0	1	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU10768	0	0	1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													

OTU5485	0	0	1	0	0	0	0	0	0	0	0	4	0
0	0	0	1	0	0	0	0	2	0	0	1	1	0
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0	0	0	1	1	0	3	1	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	1	0	0	0	0	1	0
0	0	0	0	0	0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	0	0	1	1	0	0	1	0
0													
OTU438	0	0	1	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	32	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0
0	2	0	0	0	0	0	0	0	0	0	0	3	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	2	0	0	0	0	0	0
0	4	1	4	5	0	9	1	6	3	0	0	0	2
0													
OTU16678	0	0	1	0	0	0	1	0	0	4	0	0	0
0	4	0	0	0	0	4	0	0	0	0	0	0	0
0	0	1	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	3	0	9	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0	0	8	0
0	4	1	0	0	0	0	0	0	2	0	0	1	3
0	0	0	0	0	3	0	0	0	0	0	2	4	0
0	2	0	1	1	0	1	2	0	1	0	0	0	0
0													
OTU12283	0	0	1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0

0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	1	0	0	0	0	0	0	0	0	0	0	0
0													
OTU613	0	0	4	0	0	3	5	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	2	0	0	0	0	0	0	0
4	0	0	0	0	0	0	1	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0	0	1	0
0	1	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	5	1	0
0	2	0	1	0	1	0	0	0	0	0	0	0	1
5													
OTU6004	0	0	1	4	0	0	2	0	1	2	0	0	0
1	2	0	2	0	0	0	1	1	0	0	1	0	1
0	2	2	0	0	0	0	0	0	0	0	2	3	0
0	1	1	1	0	1	0	1	1	2	1	0	1	0
0	0	2	1	3	0	0	0	0	1	2	1	1	0
5	0	1	0	2	1	0	1	0	0	0	5	0	2
1	0	0	0	2	2	0	1	0	0	1	1	2	1
0	1	0	2	0	0	0	2	0	0	1	0	0	0
2													
OTU12527	0	0	1	0	0	1	0	0	0	0	9	0	0
2	0	3	0	4	0	0	2	0	0	0	0	0	1
0	0	2	4	0	0	0	0	0	0	0	0	0	0
0	0	2	0	1	1	1	1	1	0	1	0	0	0
0	2	0	1	0	0	0	0	0	0	0	1	0	0
0	0	0	0	0	0	0	0	0	0	0	1	0	0
1	0	0	0	0	0	0	0	0	0	0	0	1	0
0	0	4	0	0	3	0	1	0	0	0	1	0	0
1													
OTU9828	0	0	1	0	0	0	0	0	1	1	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0

0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 1 0 0 0 4 0 0
0 0 0 1 0 0 0 0 0 0 0 0 1 0
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0
OTU12281 0 0 1 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0
OTU353 0 0 1 6 0 0 0 0 0 0 1 4 14
5 0 0 0 1 2 0 0 0 0 0 0 0 5
0 0 0 3 0 0 0 18 2 0 0 0 0 1
0 1 0 0 9 0 1 0 0 2 0 1 8 1
11 0 0 2 0 3 1 0 3 0 1 0 2 0
6 0 0 0 0 0 0 0 1 0 0 1 0 0
0 1 0 0 0 0 0 0 2 1 7 0 0 2
11 0 0 0 0 0 0 0 2 0 5 35 4 0
0
OTU12282 0 0 1 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
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0

OTU600	0	0	1	0	0	0	1	0	0	1	0	1	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	1	0	0	2	0	0	0	0	0	0	1	0
	0	0	0	1	0	0	0	0	0	0	0	1	5
	0	4	1	3	1	0	0	3	0	5	0	0	0
	2												
OTU10196	0	0	1	0	0	0	0	0	0	0	0	0	0
	0	0	0	1	0	0	0	0	0	0	1	1	1
	0	0	0	0	1	0	1	0	0	0	1	1	0
	0	0	2	0	3	1	0	0	1	1	1	0	0
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OTU14609	0	0	1	0	0	0	0	0	0	0	0	0	0	0
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OTU12316	0	0	1	0	0	0	0	0	0	0	0	0	0	0
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OTU12317	0	0	1	0	0	0	0	0	0	0	0	0	0
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OTU16089	0	0	1	0	0	1	0	0	0	0	0	0	0
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OTU1387	0	0	1	0	0	0	0	0	0	0	0	1	0
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OTU5466	0	0	1	0	0	0	0	0	0	0	0	0	0
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	0													
OTU12319	0	0	2	0	0	0	0	0	0	0	0	0	0	0
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OTU4806	0	0	1	0	0	0	0	0	0	0	0	0	0	0
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OTU15319	0	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0													

OTU4364	0	0	2	0	1	4	6	0	0	3	0	0	0
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OTU14341	0	0	1	0	0	0	0	0	0	2	0	0	0
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OTU3654	0	0	1	0	0	0	0	0	1	0	0	0	0
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OTU14616	0	0	1	0	0	0	0	0	0	0	0	0	0
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OTU8532	0	0	1	0	0	0	0	0	0	0	0	0	0
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OTU12473	0	0	1	0	0	0	0	0	2	0	0	0	0
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OTU11121	0	0	1	0	0	0	0	0	4	2	0	1	0
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	0	0	0	0	0	1	0	0	0	0	5	0	0
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	0												
OTU2365	0	0	1	0	1	1	0	0	0	0	1	0	1
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	0													
OTU12312	0	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0													
OTU14615	0	0	1	0	0	0	0	0	0	0	0	0	0	0
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OTU8531	0	0	1	0	0	0	0	0	0	0	0	0	0	0
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OTU864 0 0 1 0 0 0 1 0 0 0 0 0 0
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OTU3063 0 0 1 0 0 0 0 0 0 0 0 0 0
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1 0 0 0 0 2 0 0 0 0 0 0 0 0
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0 1 0 0 0 0 0 0 0 0 0 0 0 0

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OTU14613	0	0	1	0	0	0	0	0	0	0	0	0	0	0
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OTU5245	0	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0													
OTU14462	0	0	1	0	1	0	1	1	0	0	1	1	0
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	0	1	0	0	0	1	0	1	0	0	1	0	0	0
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OTU985	0	0	1	3	3	4	3	4	11	6	0	0	0	
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	3	10	6	0	0	0	0	2	0	3	0	0	0	0
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OTU10754	0	0	1	0	0	0	0	0	0	0	0	0	0	
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	0													
OTU12313	0	0	1	0	0	0	0	0	0	0	0	0	0	
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	0													

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OTU12314 0 0 1 0 0 0 0 0 0 0 0 0 0
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OTU9678	0	0	1	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	2	0	0
	0	0	0	0	0	0	0	0	1	0	0	0	1	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU11460	0	0	1	0	0	0	0	0	3	0	1	0	1
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	0	10	0	0	0	0	0	0	2	0	0	0	1	0
	0	1	1	1	0	1	0	1	0	0	1	0	0	0
	1	0	0	3	0	0	0	1	0	0	2	2	1	0
	0	1	2	0	5	2	3	7	2	2	0	0	0	2
	0													
OTU12321	0	0	1	0	0	0	0	0	0	0	0	0	0	0
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OTU8544	0	0	2	0	0	0	0	0	0	0	0	0	0	0
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OTU384 0 0 1 0 0 0 0 0 0 0 4 0 0
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6 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU8559 0 0 1 0 0 0 0 0 0 0 0 0 0
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OTU7501 0 0 1 0 0 0 0 0 0 1 0 0 0
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OTU2843	0	0	7	0	0	0	0	0	1	0	0	0	0
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OTU8562	0	0	1	0	0	0	0	0	0	0	0	0	0
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OTU13633	0	0	1	0	0	0	0	0	0	0	0	2	0
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OTU8560	0	0	1	0	0	0	0	0	0	0	0	0	0
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0													
OTU8561	0	0	1	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU308	0	0	1	0	0	0	1	0	0	0	0	0	0
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0	7	0	0	6	6	21	1	8	1	1	0	0	30
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OTU14007	0	0	1	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU524	0	0	2	0	0	0	0	0	0	2	0	5	0	
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	0	1	0	0	0	2	0	0	0	0	0	0	3	0
	0	0	2	0	2	0	0	0	1	1	2	0	0	0
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	0	0	0	1	0	0	0	3	1	0	1	0	0	0
	0													
OTU10761	0	0	1	0	0	0	0	0	0	0	0	0	0	
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	0													
OTU1069	0	0	3	0	0	0	0	0	1	2	0	0	0	
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	0	0	0	0	0	0	0	16	0	0	0	1	0	4
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	0													

OTU5353	0	0	1	0	0	0	0	0	0	0	0	0	3
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0	0	108	0	119	0	0	0	36	1	7	0	2	0
11	0	9	1	17	12	23	0	0	19	110	8	2	27
26	2	1	0	0	0	0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	0	4	0	0	0	0	6
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6													
OTU10760	0	0	1	0	0	0	0	0	0	0	0	0	0
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0													
OTU14559	0	0	1	0	0	0	0	0	0	0	0	0	0
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OTU10756	0	0	1	0	0	0	0	0	0	0	0	0	0
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OTU2655 0 0 1 0 0 0 0 0 0 0 0 0 0
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OTU861 0 0 1 0 0 0 0 0 1 0 0 0 0
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OTU14558 0 0 1 0 0 0 0 0 0 0 0 0 0
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0													
OTU16253	0	0	1	0	1	2	2	4	3	1	3	1	0
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3	2	1	1	1	2	3	1	1	3	0	0	1	0
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1	1	0	3	0	5	0	0	1	0	0	1	1	0
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OTU6286	0	0	1	0	1	0	0	0	0	0	0	0	0
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OTU7896	0	0	4	0	0	0	0	2	2	1	0	0	0
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0													

OTU8564	0	0	2	0	1	0	0	0	0	2	0	0	0
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0	0	0	0	0	0	0	0	2	0	0	1	0	0
0	0	0	1	0	2	0	0	0	0	3	1	2	2
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0													
OTU14569	0	0	3	0	0	0	0	0	0	0	0	0	0
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OTU10758	0	0	2	0	0	0	0	0	0	0	0	0	0
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OTU141	0	0	2	0	0	0	0	0	0	11	0	0	0
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17													
OTU7673	0	0	1	0	0	0	0	0	0	0	0	0	0
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2													
OTU10757	0	0	1	0	0	0	0	0	0	0	0	0	0
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OTU987	0	0	2	0	0	0	0	0	0	0	0	0	0
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0													
OTU1084	0	0	1	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU13701	0	0	1	0	0	0	0	0	0	0	0	0	0
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	0												
OTU563	0	0	1	2	0	1	0	1	2	2	0	0	0
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	0	0	0	0	0	0	0	0	0	1	0	0	1	0
	0	0	0	0	0	1	0	1	0	0	0	0	0	0
	0	2	0	1	1	0	0	0	0	0	0	0	1	0
	0	1	5	0	3	0	0	0	0	1	0	0	0	1
	1	1	0	0	0	0	0	3	0	0	0	3	1	0
	0	5	2	1	0	2	1	0	0	6	0	0	0	1
	1													
OTU9139	0	0	1	0	1	0	0	0	0	0	0	0	1
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	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	1	0	0	0	1	0	0	0	0
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	0													

OTU8563	0	0	1	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU10782	0	0	1	0	0	1	0	0	0	0	0	1	1
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	0	0	0	1	0	1	1	0	6	0	0	0	0	0
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	0													
OTU5677	0	0	1	0	0	0	0	0	0	0	0	0	0
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	3	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	0	0	2	0	0	0	0	2	0	2	26	0	0
	0	0	0	0	1	1	8	0	6	0	0	0	0	0
	0	0	0	1	0	1	3	9	1	0	0	1	3	1
	0	0	0	0	1	0	3	0	0	1	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	4	0	0	0
	0													
OTU949	0	0	2	0	0	0	2	0	0	0	0	0	0
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	0	0	0	2	0	0	0	0	0	0	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	0	4

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OTU12465	0	0	1	0	5	1	31	16	34	31	0	0	0
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10	0	0	0	0	0	0	0	3	0	1	0	0	0
17	0	0	0	0	1	0	1	1	0	0	0	0	0
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1	1	4	0	18	0	0	1	0	18	1	7	0	13
0	2	0	50	0	4	0	10	0	0	1	4	20	0
0	1	3	5	1	1	1	9	2	14	0	0	0	4
8													
OTU1523	0	0	1	0	0	0	0	1	0	0	0	0	0
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0	5	0	0	0	0	0	3	0	0	0	1	0	17
0	0	0	0	1	1	0	2	0	0	0	2	10	0
0	8	23	14	13	2	5	15	10	13	0	1	2	12
6													
OTU10784	0	0	1	0	0	0	0	0	0	0	0	0	0
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0													
OTU4039	0	0	1	0	0	0	0	0	0	0	0	0	0
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	1													
OTU4277	0	0	1	0	0	0	0	0	0	1	0	0	0	
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	0													
OTU11981	0	0	5	0	0	4	0	0	0	0	0	0	1	
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	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	0													
OTU12306	0	0	1	0	0	0	0	0	0	0	0	0	0	
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	0													

OTU10785	0	0	1	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU8545	0	0	2	0	0	0	0	0	0	0	0	0	0
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OTU14564 0 0 1 0 0 0 0 0 0 0 0 0 0
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OTU10783	0	0	1	0	0	0	0	0	0	0	0	0	0	0
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OTU1029	0	0	2	0	0	0	0	0	0	0	0	0	0	0
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OTU14567	0	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0													

OTU10780	0	0	1	0	0	0	0	0	0	0	0	0	0
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OTU12759	0	0	1	1	0	0	0	0	0	0	0	0	0
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OTU3008	0	0	1	0	0	0	1	0	1	0	0	1	0
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OTU8549	0	0	1	0	0	0	0	0	0	0	0	0	0
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OTU10779	0	0	1	0	0	0	0	0	0	0	0	0	0
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OTU3296	0	0	1	0	0	0	1	0	0	0	0	2	0
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	0													
OTU10605	0	0	1	0	0	0	0	0	0	0	0	0	0	0
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OTU1042	0	0	1	0	0	0	0	0	0	1	0	0	0	
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OTU179	0	0	3	0	0	0	0	0	0	4	0	15	0	
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	0	22	3	0	0	0	0	0	0	12	0	8	4	0
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	33													

OTU545	0	0	2	0	0	0	0	0	3	0	0	0	0
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4													
OTU14562	0	0	1	0	0	0	0	0	0	0	0	0	0
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OTU11714	0	0	1	0	2	1	0	0	0	1	1	0	1
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2													
OTU7625	0	0	1	1	0	1	0	0	10	39	0	0	0
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OTU14563	0	0	1	0	0	0	0	0	0	0	0	0	0
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	0												
OTU14560	0	0	2	0	0	2	0	0	0	0	0	0	0
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	0												
OTU10781	0	0	1	0	0	0	0	1	0	0	0	0	0
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	0												
OTU12308	0	0	1	0	0	0	0	0	0	0	0	0	0
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OTU15829 0 0 1 0 0 0 0 0 1 0 0 0 0
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OTU8557	0	0	1	0	0	0	0	0	0	0	0	0	0
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OTU9653	0	0	1	0	0	1	0	3	3	0	0	1	1
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OTU1953	0	0	1	0	0	0	0	0	0	0	0	0	0
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OTU194 0 0 1 0 0 0 0 0 0 0 4 2 9
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2 0 28 8 10 6 1 6 7 0 4 20 7 0
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7 0 0 0 0 0 0 0 6 0 1 35 17 0
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19 13 1 8 15 0 16 0 0 0 0 0 38 0

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OTU10792	0	0	1	0	0	0	0	0	0	0	0	0	0	0
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OTU14552	0	0	1	0	0	0	0	0	0	0	0	0	0	0
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OTU14548	0	0	3	0	0	0	0	0	0	0	0	0	0
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OTU576	0	0	1	0	0	1	0	0	0	0	0	0	1
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OTU989	0	0	2	0	0	0	0	0	0	0	0	0	0	
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OTU9959	0	0	0	3	0	0	0	0	0	0	19	4	28
61	0	1	0	3	9	7	2	0	0	0	2	0	2
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13	1	0	0	0	1	0	0	2	0	12	9	1	0
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OTU8355	0	0	0	1	0	0	0	0	0	0	0	0	0
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OTU1797	0	0	0	2	2	1	2	1	1	3	2	0	1
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OTU11211	0	0	0	25	0	0	0	0	0	0	1	0	1
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OTU168	0	0	0	2	1	0	0	0	4	1	1	2	6
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OTU552	0	0	0	2	2	2	1	0	0	0	0	0	0
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0	7	0	0	1	0	0	0	0	0	1	0	0	0
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OTU396	0	0	0	33	0	0	0	0	0	0	2	0	2
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	6	0	0	0	0	0	0	0	34	0	1	0	0	2
	1	0	0	0	0	0	0	0	1	0	0	1	1	0
	0													
OTU8083	0	0	0	1	0	0	0	0	0	0	0	0	0
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OTU263	0	0	0	30	70	0	0	0	1	1	0	1	0
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	0	0	0	0	0	9	2	0	0	0	0	0	0	0
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OTU14554	0	0	0	1	0	0	0	0	0	0	0	0	0
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OTU483	0	0	0	1	0	0	0	0	0	0	0	0	0
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OTU5521	0	0	0	6	2	0	0	0	0	1	44	16	20
	20	5	6	0	13	1	12	1	0	0	0	1	1	1
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	0	14	0	4	0	0	38	2	0	0	6	0	0	21
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	32	1	0	0	0	0	0	0	1	1	26	21	0	0
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OTU1837		0	0	0	1	0	0	0	0	1	0	0	1	0
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	2	0	0	1	0	0	1	0	0	0	0	0	0	0
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OTU148		0	0	0	1	0	0	1	0	0	0	30	2	180
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	0	1	1	0	0	0	0	0	0	0	0	0	5	0
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	4	393	32	25	5	17	92	1	295	4	7	0	0	550
	5	2	0	0	0	0	0	0	0	0	1	8	51	0
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OTU15902		0	0	0	1	0	0	0	0	0	0	4	1	1
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	2	1	0	0	0	0	0	0	0	0	0	0	2	0
	0													
OTU583		0	0	0	4	1	4	0	0	0	0	0	0	0
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	6	0	0	0	0	0	0	4	0	0	0	0	0
	0	4	0	3	0	0	0	0	0	0	0	2	0
	0	0	0	1	0	2	0	0	0	1	3	0	0
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	0												
OTU7709	0	0	0	1	0	0	0	0	0	0	0	0	0
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OTU14555	0	0	0	1	0	1	0	0	0	0	0	0	0
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OTU8354	0	0	0	1	0	0	0	0	0	0	0	0	0
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OTU14580	0	0	0	1	0	0	0	0	0	0	0	0	0
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OTU404	0	0	0	2	1	2	0	0	0	0	0	0	0
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	0	0	0	1	2	0	0	0	0	2	0	0	0
	0	0	0	1	0	0	1	0	0	2	1	0	3
	1	0	0	0	0	0	2	0	0	0	1	0	2
	2												
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OTU2424	0	0	0	4	0	0	0	0	0	0	0	0	0
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	0	0	0	0	1	0	0	0	0	0	0	0	0
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OTU4532	0	0	0	2	0	0	0	1	0	0	0	0	0
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OTU13122	0	0	0	2	0	0	0	1	1	0	1	1	0
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67	2	17	2	0	6	57	7	2	11	6	2	6	5
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OTU6118	0	0	0	1	0	0	0	0	0	0	0	0	0
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OTU519	0	0	0	3	0	0	0	0	7	0	0	0	0
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OTU334	0	0	0	2	0	0	1	2	1	0	1	0	2
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OTU4854	0	0	0	1	2	0	0	0	0	0	0	0	0
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OTU14581	0	0	0	1	0	0	0	0	0	0	0	0	0
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OTU6975 0 0 0 5 0 0 0 4 3 0 7 0 4
16 0 3 19 7 5 0 5 13 0 0 2 0 1
0 9 12 3 32 0 6 8 0 2 0 0 0 2

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	77	4	2	1	0	7	65	8	8	8	3	4	14	4
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OTU10774	0	0	0	1	0	0	0	0	0	0	0	0	0	0
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OTU567	0	0	0	1	0	0	0	0	0	0	1	0	7	
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	3	3	0	1	0	1	0	0	1	0	0	0	0	0
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OTU15835	0	0	0	1	0	1	2	2	0	0	0	0	0	
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OTU1449	0	0	0	1	0	0	0	0	1	0	0	0	0
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OTU8346	0	0	0	1	0	0	0	0	0	0	0	0	0
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OTU10944 0 0 0 1 0 0 0 0 0 0 0 0 1
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OTU14539 0 0 0 1 1 0 0 0 1 0 0 0 0
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OTU2744 0 0 0 3 0 0 0 0 0 0 15 6 11
6 1 2 0 8 0 3 2 0 0 0 1 1 0
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	17	1	0	0	0	0	0	0	2	1	8	11	1	0
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OTU14952	0	0	0	1	0	0	0	0	0	0	0	0	0	
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	0													
OTU8384	0	0	0	1	2	2	0	0	1	0	1	0	0	
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	3													
OTU1976	0	0	0	1	0	0	0	0	0	0	1	0	0	
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	0	5	0	6	0	0	0	0	3	0	0	2	1	0
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	6													
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OTU5745	0	0	0	2	0	0	0	0	0	0	0	0	0
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OTU12265 0 0 0 3 1 0 0 0 0 0 0 0 0
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OTU2706 0 0 0 2 0 0 0 0 0 0 0 0 0
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OTU2533	0	0	0	7	0	0	0	0	0	0	0	0	0
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OTU6778	0	0	0	1	0	0	0	0	0	0	0	0	0
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OTU419	0	0	0	6	0	0	0	2	17	0	0	0	0
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OTU268	0	0	0	1	0	0	0	0	0	0	1	0	0
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OTU14741	0	0	0	1	0	0	0	0	0	0	0	0	0
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OTU1786	0	0	0	3	2	2	0	0	0	1	0	13	0	
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OTU14582	0	0	0	1	0	0	0	0	0	0	0	0	0	
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OTU10904	0	0	0	3	0	0	0	0	0	0	0	0	0	
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OTU12248	0	0	0	1	0	0	0	0	0	0	0	0	0	
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OTU10907	0	0	0	1	0	0	0	0	0	0	0	0	0
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OTU14583	0	0	0	1	0	0	0	0	0	0	0	0	0
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	0												
OTU9026	0	0	0	1	0	0	0	0	0	0	0	0	0
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	0	0	0	0	1	0	0	1	0	0	0	2	1	1
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	0												

OTU10906	0	0	0	1	0	0	0	0	0	0	0	0	0
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	0												
OTU6989	0	0	0	1	0	0	0	0	0	0	0	0	0
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OTU1043	0	0	0	3	0	0	0	0	0	0	1	1	0
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	5	0	0	0	0	2	2	1	0	0	0	0	0
	0	1	2	0	0	0	1	0	0	0	0	1	0
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	1	1	0	2	0	0	0	1	0	0	0	5	0
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	0												
OTU10905	0	0	0	1	0	0	0	0	0	0	0	0	0
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OTU12257 0 0 0 1 0 0 0 0 0 0 0 0 0
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OTU1148 0 0 0 2 0 0 0 1 2 0 0 0 0
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OTU7077	0	0	0	1	0	0	0	2	0	0	0	0	0
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0 431 2 113 42 1 28 23 30 13 1 6 1 4
115
OTU8331 0 0 0 3 1 0 0 0 0 0 0 0 0
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OTU10915	0	0	0	1	0	0	0	0	0	0	0	0	0	0
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OTU12253	0	0	0	1	0	0	0	0	0	0	0	0	0	0
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OTU14130	0	0	0	1	0	0	0	0	0	0	3	0	3	
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OTU12114	0	0	0	1	0	1	1	0	0	0	0	0	0
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OTU12348	0	0	0	1	0	0	0	0	1	0	0	1	0
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OTU1182	0	0	0	2	0	0	0	2	0	1	0	0	0	
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OTU1438	0	0	0	1	0	0	0	0	0	0	0	0	0	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU12252	0	0	0	1	0	0	0	0	0	0	0	0	0	
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OTU604	0	0	0	4	0	0	2	0	0	0	0	0	0	
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OTU14572	0	0	0	1	0	0	0	0	0	0	0	0	0	
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OTU10911	0	0	0	1	0	0	0	0	0	0	0	0	0	
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OTU13850	0	0	0	2	2	0	1	1	0	0	1	0	0	
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OTU15096	0	0	0	1	0	0	0	0	0	0	0	0	0
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OTU10910	0	0	0	1	0	0	0	0	0	0	0	0	0
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OTU8368	0	0	0	1	0	0	0	0	0	0	0	0	0
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OTU371	0	0	0	1	0	0	1	0	0	0	0	0	0
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OTU14579	0	0	0	1	0	0	0	0	0	0	0	0	0
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OTU10895	0	0	0	1	0	1	0	0	0	0	0	0	0	0
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OTU7936	0	0	0	1	0	0	0	0	0	1	0	1	1	
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OTU14575 0 0 0 1 0 0 0 0 0 0 0 0 0
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OTU14668	0	0	0	1	0	0	0	0	0	0	0	0	0
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OTU8362	0	0	0	1	0	0	0	0	0	0	0	0	0
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OTU4018 0 0 0 1 0 0 0 0 0 0 0 0 0
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OTU10902	0	0	0	1	0	0	0	0	0	0	0	0	0	0
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OTU14847	0	0	0	2	0	0	0	0	2	0	0	0	1	
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	7	0	0	0	0	0	0	0	0	0	2	0	2	0
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OTU14670	0	0	0	1	0	0	0	0	0	0	0	1	0
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OTU689	0	0	0	2	0	0	0	0	0	0	0	1	0
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	0	0	1	0	0	0	0	0	0	0	0	0	0	0
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OTU12276	0	0	0	1	0	0	0	0	0	0	0	0	0
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	0													
OTU14669	0	0	0	1	0	0	0	0	0	0	0	0	1
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OTU15733 0 0 0 1 0 1 0 0 0 0 0 0 0
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OTU14310 0 0 0 1 0 0 0 0 0 0 8 3 5
9 0 0 0 0 0 3 0 0 0 0 1 0 0
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0 0 0 0 0 0 4 1 0 0 0 0 0 2
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9 0 2 0 7 0 0 0 3 0 0 1 0 1
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OTU3253 0 0 0 2 0 0 0 0 0 0 0 0 0
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OTU3521	0	0	0	3	1	1	0	1	1	0	0	0	0
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	0												
OTU4761	0	0	0	1	0	0	0	0	0	0	0	0	1
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OTU369	0	0	0	1	0	0	0	0	0	0	4	0	10
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	0												

OTU8360	0	0	0	1	0	0	0	0	0	0	0	0	0
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	0												
OTU185	0	0	0	1	0	0	1	0	0	0	98	5	7
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	0	4	0	0	0	0	3	0	0	0	8	0	2	31
	0	13	0	0	0	0	0	7	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	25	0	0	0	3	0
	3	1	3	0	33	2	0	0	1	0	22	0	0	22
	4	0	0	0	0	0	0	0	2	0	2	8	0	0
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OTU7611	0	0	0	1	0	0	0	0	0	2	0	0	0
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OTU7485	0	0	0	2	0	0	0	0	0	0	0	0	0
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OTU10615 0 0 0 4 0 1 0 0 0 0 0 7 0
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2
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OTU388 0 0 0 1 1 1 1 0 0 0 1 4 0
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7	1												
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0	0												
OTU8221	0	0	0	2	0	0	0	0	0	0	0	0	0
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0	0												
OTU14667	0	0	0	1	0	0	0	0	0	0	0	0	0
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0	0												

OTU839	0	0	0	2	0	0	0	1	0	1	0	1	0
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	0												
	0	1	2	0	4	0	0	0	4	0	0	0	0
	1												
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	0												
	1	3	0	1	0	0	0	2	0	0	0	1	0
	0												
	1												
OTU7653	0	0	0	2	0	0	0	0	2	0	0	0	0
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	0												
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	0												
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	0												
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	0												
	0	2	3	2	1	1	2	0	0	1	0	0	0
	4												
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	17												
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	0												
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	0												
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	0												

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OTU776 0 0 0 1 0 1 0 9 0 0 4 0 18
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0 1 0 2 0 0 28 0 0 0 0 0 0 1
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0 0 1 0 2 0 0 0 0 0 0 0 0 0
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OTU13489 0 0 0 1 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 1

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OTU1563	0	0	0	1	0	0	0	0	0	0	4	0	0
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OTU12267	0	0	0	1	1	0	0	0	0	0	0	0	0
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0													

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OTU2652	0	0	0	1	0	0	0	0	1	0	0	0	0
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OTU9477	0	0	0	1	0	0	0	0	0	0	1	0	0
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OTU12268	0	0	0	1	0	0	0	0	0	0	0	0	0
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OTU12269 0 0 0 1 0 0 0 0 0 0 0 0 0
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OTU8647 0 0 0 1 0 0 0 0 0 0 0 0 0
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OTU15836 0 0 0 1 0 0 0 2 0 0 0 1 0
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	2													
OTU8217	0	0	0	1	0	0	0	0	1	0	0	0	0	
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OTU10930	0	0	0	1	0	0	0	0	0	0	0	0	0	
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OTU13622	0	0	0	1	0	0	0	0	0	0	0	0	0	
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	0													

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	0												
OTU12266	0	0	0	1	0	0	0	0	0	0	0	0	0
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	0												
OTU918	0	0	0	2	0	0	0	0	2	0	0	0	0
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OTU12264	0	0	0	1	0	0	0	0	0	0	0	0	0
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OTU8318 0 0 0 1 0 0 0 0 0 0 0 0 0
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OTU12263 0 0 0 1 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 1 0 1 1 0 0 0 0 0

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	0												
OTU8325		0	0	0	1	0	0	0	0	0	0	0	0
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	0												
OTU13998		0	0	0	2	0	0	0	0	0	0	0	0
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	0												
OTU500		0	0	0	1	0	0	0	0	2	1	0	0	0
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	1												

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OTU759 0 0 0 1 1 3 0 8 0 0 1 1 4
0 1 0 6 1 1 1 0 7 0 10 0 5 0
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67
OTU1793 0 0 0 1 0 0 0 0 0 0 0 1 0
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0

OTU4542	0	0	0	1	0	0	0	0	0	0	1	0	0
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0	0	0	0	0	0	0	1	0	0	0	0	0	0
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0													
OTU14663	0	0	0	1	0	0	0	0	0	0	0	0	0
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0													
OTU12270	0	0	0	1	0	0	0	0	0	0	0	0	0
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0													
OTU12271	0	0	0	1	0	0	0	0	0	0	0	0	0
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OTU2556	0	0	0	1	0	0	0	0	0	0	0	2	0
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	0	0	0	0	0	0	2	1	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU12272	0	0	0	1	0	0	0	0	0	0	0	0	0
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	0												
OTU6271	0	0	0	1	0	0	0	1	0	0	2	2	0
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	2	5	0	0	88	0	26	0	0	0	1	0	0	0
	0	0	71	0	0	0	0	0	5	161	2	3	5	1
	10	0	0	1	10	17	1	42	30	15	528	43	6	0
	33	0	0	0	0	0	0	0	0	1	0	0	0	0
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	3	0	0	1	0	0	0	0	0	0	0	0	0	0
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OTU848	0	0	0	1	10	0	0	0	0	0	1	0	0
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	0													
OTU6587	0	0	0	2	0	0	0	0	0	0	0	0	0
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	0													
OTU10932	0	0	0	1	0	0	0	0	0	0	0	0	0
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	0													
OTU5993	0	0	0	1	2	0	0	0	15	0	0	0	0
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	70	9	112	3	45	27	33	42	23	43	4	2	6	61
	48	2	1	3	0	0	1	0	0	0	3	1	1	6
	0	13	5	4	1	0	0	3	32	0	0	0	5	9
	0	9	1	0	38	20	41	41	36	28	0	0	1	0
	0													

OTU10931	0	0	0	1	0	0	0	0	0	0	0	0	0
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	0												
OTU139	0	0	0	1	0	0	0	2	0	0	0	2	0
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	0	0	0	0	1	0	0	0	0	0	1	7	10
	0	92	146	68	25	11	63	14	49	33	0	0	0
	274												
	53												
OTU5577	0	0	0	1	0	0	0	0	0	0	0	0	0
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	0												
OTU2363	0	0	0	1	1	0	0	0	0	0	0	0	0
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OTU7489	0	0	0	1	0	0	0	0	0	0	1	0	0
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OTU1306	0	0	0	1	0	0	1	0	0	0	0	0	1
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OTU550	0	0	0	1	0	0	0	0	0	0	0	0	0
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OTU12056	0	0	0	1	0	0	0	0	0	0	0	0	0
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OTU9631	0	0	0	1	3	3	1	0	1	3	1	2	1
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OTU14664	0	0	0	1	0	0	0	0	0	0	0	0	0
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OTU4794	0	0	0	1	3	0	2	1	0	1	0	0	0
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3													

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	0	0											
OTU6064	0	0	0	1	0	0	0	0	0	1	0	0	0
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	0	0	0	2	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	1
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	0												
OTU10145	0	0	0	1	0	0	0	0	0	0	0	0	0
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OTU16187	0	0	0	1	0	1	0	0	0	0	0	0	0
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	0	15	41	13	8	10	5	5	16	162	0	0	0	7
	3													
OTU8315	0	0	0	1	0	3	1	0	0	0	0	0	0	
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	0													
OTU8305	0	0	0	0	3	0	0	0	0	0	0	0	0	
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OTU6218	0	0	0	0	1	0	0	0	0	1	0	0	0	
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	0													

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OTU294	0	0	0	0	17	0	0	0	1	0	0	0	0
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	3												
OTU13010	0	0	0	0	1	0	0	2	0	0	0	1	0
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	0												
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OTU12628	0	0	0	0	1	0	1	0	1	1	0	0	0	
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	2	0	0	1	0	0	0	0	0	0	0	0	0	0
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OTU2646	0	0	0	0	1	0	0	0	0	0	0	0	0	
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OTU3161	0	0	0	0	2	0	1	0	0	0	0	1	0
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OTU2726	0	0	0	0	1	1	0	0	0	0	0	0	0
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OTU12059	0	0	0	0	1	0	0	0	0	0	0	0	0
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OTU525	0	0	0	0	1	2	3	3	0	1	0	0	0
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OTU6376	0	0	0	0	1	0	0	2	0	0	0	0	3
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OTU14680	0	0	0	0	1	0	0	0	0	1	0	0	0
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OTU6423	0	0	0	0	1	0	0	0	0	0	0	0	0
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OTU1383	0	0	0	0	1	0	0	0	0	0	0	0	0
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OTU10918	0	0	0	0	1	0	0	0	0	0	0	0	0
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OTU10922	0	0	0	0	1	0	0	0	0	2	0	0	0
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OTU10919	0	0	0	0	1	0	0	0	1	0	0	0	0
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OTU3334	0	0	0	0	2	0	0	0	0	0	0	0	0
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OTU14691	0	0	0	0	1	0	0	0	0	0	0	0	0
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OTU2368	0	0	0	0	2	1	0	0	1	0	1	0	0
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OTU14709	0	0	0	0	1	0	0	0	0	0	0	0	0
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OTU9932	0	0	0	0	1	0	1	0	0	0	0	0	0
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OTU10866	0	0	0	0	1	0	0	0	0	0	0	0	0
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OTU7220	0	0	0	0	1	0	0	1	0	0	0	0	0
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	0													

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OTU12055	0	0	0	0	1	0	0	0	0	0	0	0	0	0
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OTU10860	0	0	0	0	1	1	0	0	0	0	0	0	0	0
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OTU12051 0 0 0 0 1 0 0 0 0 0 0 0 0
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OTU14678	0	0	0	0	1	1	0	0	0	0	1	0	0
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OTU12075	0	0	0	0	1	0	0	0	0	0	0	0	0
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	0												
OTU14679	0	0	0	0	1	0	0	0	0	0	0	0	0
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OTU5979	0	0	0	0	1	0	0	0	1	0	0	1	0
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OTU14639	0	0	0	0	1	0	0	0	0	0	0	0	0
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OTU2964	0	0	0	0	1	0	0	0	0	1	0	0	0
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OTU15677	0	0	0	0	1	0	0	0	0	0	0	1	0
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OTU14637	0	0	0	0	1	0	0	0	0	0	0	0	0
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OTU7880	0	0	0	0	1	0	0	1	2	0	0	0	0
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	0	0	0	0	0	0	1	0	0	0	0	0	0
	0	0	3	0	2	1	0	3	0	0	0	0	0
	1	0	0	0	1	0	0	0	0	0	0	0	0
	0	0	0	1	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	1	1	0	0	0	1	0
	0	0	2	0	0	0	1	0	1	2	1	0	0
	0												
OTU10848	0	0	0	0	1	0	0	0	0	0	0	1	0
	0	0	1	0	1	0	0	0	0	1	0	0	0
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	0	0	0	0	0	1	0	0	0	1	0	0	0
	0	0	0	1	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	1	0	0	0	1	0	0	0	0
	0												
OTU941	0	0	0	0	1	0	0	0	0	0	5	1	0
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	0	0	0	1	0	0	4	1	0	0	0	0	0
	0	1	0	0	4	4	0	1	0	0	0	0	0
	0	1	0	0	1	0	0	1	0	0	0	1	0	0
	1	0	0	0	0	0	0	0	0	0	0	0	0

	0	0	0	0	1	0	0	0	0	0	0	0	1
	5	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU11676	0	0	0	0	1	0	0	0	0	0	0	1	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	1	0	0	0	0	1	0	0	0	0	0	2	0	0
	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	1	1	0	0	0	0	0
	0													
OTU8414	0	0	0	0	1	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU8413	0	0	0	0	1	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU12077	0	0	0	0	1	0	0	0	0	0	0	0	0
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OTU10849 0 0 0 0 1 0 0 0 0 0 0 0 0
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OTU15224 0 0 0 0 2 0 0 0 0 0 0 0 0
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OTU10850 0 0 0 0 1 0 0 0 0 0 0 0 0
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	0	0	1	0	0	0	0	0	0	0	0	0	0
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OTU7424	0	0	0	0	2	0	0	0	0	0	0	0	0
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	0	0	1	0	1	0	0	0	0	0	0	0	0
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OTU13312	0	0	0	0	1	0	0	1	1	0	0	0	0
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OTU8412	0	0	0	0	1	0	0	0	0	0	0	0	0
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OTU10852 0 0 0 0 1 0 0 0 0 0 0 0 0
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OTU3937 0 0 0 0 1 1 0 0 0 2 0 0 1
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OTU14643	0	0	0	0	1	0	0	0	0	0	0	0	0
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	0												
OTU7782	0	0	0	0	2	0	1	0	1	0	0	0	0
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	0												
OTU12064	0	0	0	0	1	0	0	0	0	0	0	0	0
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OTU10885 0 0 0 0 1 0 0 0 0 0 0 0 0
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OTU12062 0 0 0 0 1 0 0 0 0 0 0 0 0
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OTU10063 0 0 0 0 1 0 0 0 0 0 0 0 0
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	0	0	0	0	0	0	0	0	0	0	2	0	0	0
	0	0	0	0	0	0	1	0	0	1	0	0	0	3
	0	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0													
OTU10883	0	0	0	0	1	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU13480	0	0	0	0	1	0	1	0	0	0	0	0	0	0
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	0	0	0	0	0	1	0	0	3	0	0	0	0	2
	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	4	0	1	0	0	2	0	0	0	0	0
	1	0	1	0	0	0	1	0	1	0	0	0	0	1
	1	0	0	0	0	0	0	0	0	0	0	3	2	0
	0													
OTU14642	0	0	0	0	1	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU10888 0 0 0 0 1 0 0 0 0 0 0 0 0
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OTU8419 0 0 0 0 1 0 0 0 0 0 0 0 0
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OTU14477 0 0 0 0 1 0 3 0 0 0 0 0 0
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OTU3404 0 0 0 0 1 0 0 1 1 0 1 1 0
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	2	0	0	0	1	0	0	1	0	0	0	1	0	0
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	0	3	0	0	1	0	0	0	0	0	0	0	0	0
	3													
OTU10887	0	0	0	0	1	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU12065	0	0	0	0	1	0	0	0	0	0	0	0	0	0
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	0													
OTU14641	0	0	0	0	1	0	0	0	0	0	0	0	0	0
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	0													

OTU10886 0 0 0 0 1 0 0 0 0 0 0 0 0
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OTU8442 0 0 0 0 1 0 0 0 0 0 0 0 0
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OTU13012 0 0 0 0 1 0 0 0 0 0 0 0 0
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OTU8440 0 0 0 0 1 0 0 0 0 0 0 0 0
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OTU12060	0	0	0	0	1	0	0	0	0	0	0	0	0
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OTU12518	0	0	0	0	1	0	0	0	0	1	0	0	0
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OTU12069	0	0	0	0	1	0	0	0	0	0	0	0	0
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OTU13145	0	0	0	0	1	0	0	0	0	0	1	0	0
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OTU10891 0 0 0 0 1 0 0 0 0 0 0 0 0
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OTU10894	0	0	0	0	1	0	0	0	0	0	1	1	0
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OTU12072	0	0	0	0	1	0	0	0	0	0	0	0	0
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	0												
OTU12404	0	0	0	0	1	1	0	1	0	2	2	0	0
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OTU10893	0	0	0	0	1	0	0	0	0	0	0	0	0
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OTU3423	0	0	0	0	1	0	0	0	0	0	0	0	0
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OTU12071	0	0	0	0	1	0	0	0	0	0	0	0	0
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	0												
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11

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OTU10874	0	0	0	0	0	1	0	0	0	0	0	0	0
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OTU15664	0	0	0	0	0	1	0	0	0	0	0	1	0
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OTU10872 0 0 0 0 0 1 0 0 0 0 0 0 0
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OTU6659 0 0 0 0 0 1 0 0 0 0 0 0 0
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OTU8387	0	0	0	0	0	1	0	0	0	0	0	0	0
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0													
OTU7045	0	0	0	0	0	3	0	0	14	0	0	0	0
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2													
OTU6013	0	0	0	0	0	1	0	0	0	0	0	0	0
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OTU8388 0 0 0 0 0 1 0 0 0 0 0 0 0
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OTU9675	0	0	0	0	0	1	0	0	0	0	0	0	0
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0													
OTU12005	0	0	0	0	0	1	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU8883	0	0	0	0	0	2	1	0	1	0	0	0	0
0	0	0	0	0	0	3	0	0	0	0	0	7	0
1	0	0	0	0	0	0	0	0	0	0	0	1	0
2	0	0	1	0	0	0	3	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													

OTU8385	0	0	0	0	0	1	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU1360	0	0	0	0	0	1	0	0	2	0	0	0	0
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	0	0	0	0	1	1	0	0	0	0	0	0	0
	0	1	0	0	1	0	0	0	0	1	0	0	0
	1												
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU8371	0	0	0	0	0	1	0	0	0	0	0	0	0
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	0												
OTU1580	0	0	0	0	0	1	0	0	0	0	0	0	5
	0	0	2	0	0	2	0	1	0	0	2	0	0
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	0	2	0	0	0	0	4	0	0	0	0	0	1
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	4	0	0	0	0	0	0	0	0	0

0	0	3	0	0	0	0	0	0	8	9	0	0	1
10	0	0	0	0	0	0	0	1	0	1	6	3	0
0													
OTU3812	0	0	0	0	0	1	0	0	0	0	0	0	0
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1													
OTU15721	0	0	0	0	0	1	4	2	0	3	0	5	0
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2	5	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU12023	0	0	0	0	0	2	0	0	0	0	0	0	0
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1	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	2	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU15738	0	0	0	0	0	1	0	0	0	0	0	0	0
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0													
OTU12363	0	0	0	0	0	2	0	0	0	1	0	3	0
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0													
OTU6692	0	0	0	0	0	1	0	0	0	0	0	0	0
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0	1	1	0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU15737	0	0	0	0	0	1	0	0	0	0	0	0	0
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0													

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OTU12013 0 0 0 0 0 1 0 0 0 0 0 0 0
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OTU14646 0 0 0 0 0 1 0 0 0 0 0 0 0
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OTU6094 0 0 0 0 0 1 0 0 9 0 1 0 3
0 0 3 13 0 0 0 0 53 0 1 0 12 12
13 1 0 0 3 0 30 2 1 0 3 0 17 0
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2 4 9 52 86 68 0 116 145 17 99 60 18 149
73 0 4 0 1 0 0 89 0 3 0 4 0 0

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OTU5045	0	0	0	0	0	2	0	0	0	0	0	0	0
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OTU15739	0	0	0	0	0	1	0	0	0	0	0	0	0
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OTU531	0	0	0	0	0	1	0	0	0	3	0	0	0
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0 68 0 0 15 3 0 18 0 0 1 1 0 0
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OTU12011 0 0 0 0 0 1 0 0 0 0 0 0 0
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OTU209 0 0 0 0 0 1 1 0 0 0 4 1 6
9 0 2 5 12 20 3 27 3 5 3 17 6 13
1 1 9 1 9 17 50 6 6 14 3 59 0 1
0 0 0 0 6 0 8 0 0 0 1 0 0 11
0 0 10 0 11 0 3 0 0 7 1 1 0 5
0 0 0 0 0 1 0 0 0 0 1 0 0 0
0 0 3 0 0 0 8 0 20 0 0 0 0 0
0 0 0 1 0 0 0 0 0 1 0 0 9 0
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OTU6332 0 0 0 0 0 1 0 0 0 0 0 0 0
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0 1 0 0 0 1 0 0 0 0 0 0 0 0
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OTU8373 0 0 0 0 0 1 0 0 0 0 0 0 0
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OTU201 0 0 0 0 0 1 0 0 0 0 45 0 45
11 0 4 0 1 118 0 0 0 0 0 0 1
0 0 9 0 0 3 0 12 0 0 0 0 34
0 4 0 0 0 0 9 0 0 0 0 0 0
0 0 0 1 0 0 0 2 0 0 0 0 0
0 0 0 1 0 0 0 0 0 0 0 2 0
1 0 0 0 4 0 0 0 138 0 11 0 0 37
2 0 0 0 0 1 0 0 1 0 0 4 2 0
0
OTU234 0 0 0 0 0 1 1 0 1 2 0 1 0
0 1 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 17 0 0 0 0 0
0 0 0 0 0 3 0 0 0 0 0 0 0 0
0 0 0 0 0 3 0 7 0 0 1 0 2 0
0 0 25 0 2 0 0 5 0 0 2 0 0 4
0 1 0 6 0 1 0 112 0 0 0 0 1 0
0 1 5 3 0 1 14 0 31 14 0 0 0 0
0
OTU1988 0 0 0 0 0 1 0 1 0 0 9 2 1
1 0 7 0 5 0 0 1 0 1 0 0 0 1
2 0 0 0 0 0 0 0 0 2 1 0 0 0
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0 4 2 0 0 1 0 0 1 0 0 1 1 0
0 3 0 0 0 0 0 0 0 0 0 0 2 0

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OTU1179	0	0	0	0	0	1	0	0	0	0	0	0	0	
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	0													
OTU329	0	0	0	0	0	1	0	0	0	0	0	0	0	
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	7	0	2	2	0	0	1	0	0	1	0	0	0	0
	20	26	0	0	0	0	1	1	0	0	0	0	0	0
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	0													
OTU8375	0	0	0	0	0	1	0	0	0	0	0	0	0	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU15736	0	0	0	0	0	1	0	0	0	0	0	0	0	
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	0												
OTU16709	0	0	0	0	0	1	0	0	0	0	0	0	0
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	0												
OTU907	0	0	0	0	0	1	0	0	0	0	0	0	0
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	0												
OTU356	0	0	0	0	0	2	0	0	0	0	0	0	1
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	0	0	0	0	0	0	1	0	1	0	0	1	0	0
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	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	1	33	67	0
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	8													

OTU15734	0	0	0	0	0	1	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU7872	0	0	0	0	0	1	0	1	0	1	0	0	0
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	0												
OTU14653	0	0	0	0	0	1	0	0	0	0	0	0	0
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	0												
OTU14652	0	0	0	0	0	1	0	0	0	0	0	0	0
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OTU12034 0 0 0 0 0 1 0 0 0 0 0 0 0
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0	0	0	0	0	0	7	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU12530	0	0	0	0	0	2	0	0	1	1	2	2	0
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0	0	2	2	0	1	0	0	0	0	1	0	0	0
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0	2	1	0	1	1	0	0	0	2	0	0	0	1
0													
OTU14450	0	0	0	0	0	2	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU15731	0	0	0	0	0	1	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU11523	0	0	0	0	0	1	0	0	0	0	0	0	1
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0	0	0	0	1	0	0	0	0	0	0	1	0	0
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0													
OTU1815	0	0	0	0	0	1	0	0	0	0	0	0	1
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	2	0	1	1	0	3	0	0	1
0	0	2	0	2	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU8410	0	0	0	0	0	1	0	0	0	0	0	0	0
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0													

OTU12039 0 0 0 0 0 1 0 0 0 0 0 0 0
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OTU7580 0 0 0 0 0 1 0 0 0 0 0 0 0
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0 0 0 0 1 0 0 0 0 0 0 0 0
0 0 1 0 0 0 0 0 0 0 2 0 0
0 0 0 0 0 0 0 1 0 0 0 0 0
0
OTU8392 0 0 0 0 0 1 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU12037 0 0 0 0 0 1 0 0 0 0 0 0 0
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0
OTU558 0 0 0 0 0 1 1 0 3 2 0 0 0
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0 3 1 0 0 0 0 0 0 0 0 1 0 2
0 0 0 2 0 0 0 0 0 0 0 2 5 0
0 4 2 5 3 1 0 6 2 6 0 0 0 1
2
OTU12038 0 0 0 0 0 1 0 0 0 0 0 0 0
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OTU14447 0 0 0 0 0 1 0 0 0 0 1 0 0
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0 0 1 1 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 1 0 0 1 0 1 0 0 0
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OTU8390 0 0 0 0 0 1 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0

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OTU2745 0 0 0 0 0 1 0 0 0 0 0 0 0
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3 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU12040 0 0 0 0 0 1 0 0 0 0 0 0 0
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OTU8393 0 0 0 0 0 1 0 0 0 0 0 0 0
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	0	0	1	0	0	0	0	0	0	2	0	1	0
	0	0	0	1	0	2	0	0	0	0	0	0	0
	0	1	3	7	3	3	3	2	2	10	0	0	0
	2												
OTU16639	0	0	0	0	0	1	0	0	1	0	0	0	0
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	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU14452	0	0	0	0	0	1	0	0	0	0	0	0	0
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OTU16768	0	0	0	0	0	1	0	0	0	0	0	0	0
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	0	1	0	0	0	0	0	0	0	0	0	0	0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU9471 0 0 0 0 0 1 0 0 0 0 0 0 0
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OTU7871 0 0 0 0 0 1 0 0 0 0 0 0 0
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OTU15754 0 0 0 0 0 1 0 0 0 0 0 0 0
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OTU8398 0 0 0 0 0 1 0 0 0 0 0 0 0
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OTU15753 0 0 0 0 0 1 0 0 0 0 0 0 0
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OTU15752 0 0 0 0 0 1 0 0 0 0 0 0 0
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OTU2207	0	0	0	0	0	1	0	0	0	0	0	1	0
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	0	0	0	0	0	0	0	0	0	0	1	0	1
	0	0	1	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	1	0	0	0	0	0	2	0
	0	0	0	1	0	0	0	0	0	0	0	0	0
	0												
OTU14451	0	0	0	0	0	1	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU15751	0	0	0	0	0	1	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU15716	0	0	0	0	0	2	0	2	0	0	0	0	0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU8399 0 0 0 0 0 1 0 0 0 0 0 0 0
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OTU12021 0 0 0 0 0 1 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 1 0 0 0 0 0 0
0 0 2 0 0 0 0 0 0 0 0 0 0 0
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OTU12022 0 0 0 0 0 1 0 0 0 0 0 0 0
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OTU15750 0 0 0 0 0 1 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0

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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU3439	0	0	0	0	0	2	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	2	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU8396	0	0	0	0	0	1	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU1127	0	0	0	0	0	1	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0	0	0	0
10													

OTU14436	0	0	0	0	0	1	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	
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0													
OTU546	0	0	0	0	0	1	0	1	1	0	0	0	0
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1	0	0	0	0	0	1	0	0	0	1	1	0	0
0	0	0	0	1	1	0	2	0	0	0	0	0	0
0	0	0	0	0	1	0	0	1	0	0	0	0	0
0	0	0	0	0	2	0	0	0	0	3	0	0	0
0	0	0	0	0	0	2	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU7439	0	0	0	0	0	1	0	0	0	0	0	0	0
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1	1	0	0	0	0	5	0	1	0	76	0	3	0
0	0	0	0	11	0	0	0	0	1	0	16	0	0
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0	15	5	0	0	0	0	8	0	0	1	3	0	0
1	40	0	0	0	2	0	19	0	0	0	0	2	1
0	0	13	4	3	12	18	4	7	3	0	0	0	12
5													
OTU14304	0	0	0	0	0	1	1	1	0	1	1	0	1
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0	0	0	0	0	0	0	0	0	0	1	0	0	1
0	1	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	1	0	0	0	1	0

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	0	0	1	0	1	0	0	1	0	0	3	0	1	0
	0													
OTU8394	0	0	0	0	0	1	0	0	0	0	0	0	0	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	0													
OTU15757	0	0	0	0	0	1	0	0	0	0	0	0	0	
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OTU14437	0	0	0	0	0	1	0	0	0	0	0	0	0	
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OTU8395	0	0	0	0	0	1	0	0	0	0	0	0	0	
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OTU15755	0	0	0	0	0	1	0	0	0	0	0	0	0
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OTU12028	0	0	0	0	0	1	0	0	0	0	0	0	0
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OTU15756	0	0	0	0	0	1	0	0	0	0	0	0	0
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OTU12133	0	0	0	0	0	1	0	0	0	0	0	0	0
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OTU7806	0	0	0	0	0	1	0	0	0	0	0	0	0
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OTU10137	0	0	0	0	0	1	0	1	0	0	0	1	0
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OTU15746	0	0	0	0	0	2	0	0	0	0	0	0	0
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OTU4702	0	0	0	0	0	1	1	0	0	0	0	1	0
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OTU11387	0	0	0	0	0	0	2	0	0	0	0	1	0
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OTU3317	0	0	0	0	0	0	1	0	0	0	0	0	0
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OTU7438	0	0	0	0	0	0	1	0	0	0	0	0	0
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OTU5249	0	0	0	0	0	0	3	2	0	3	0	0	0
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	0	0	0	0	0	0	0	3	0	0	0	0	0	0
	0													
OTU7807		0	0	0	0	0	0	1	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU751		0	0	0	0	0	0	4	0	0	0	0	0	0
	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	2	0	0	0	0	1	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	7
	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU725		0	0	0	0	0	0	2	0	0	0	0	0	0
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	0	0	0	0	1	0	0	0	0	0	0	0	0	0
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	0	0	1	0	0	0	0	0	0	0	0	0	1	0
	0	0	0	0	0	0	0	0	0	1	0	0	1	0
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	1													

OTU15748	0	0	0	0	0	0	1	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	
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0	0	0	0	0	0	0	0	0	0	0	0	0	
0													
OTU321	0	0	0	0	0	0	1	0	0	2	0	2	0
0	0	0	5	0	0	3	0	2	0	0	0	3	1
0	89	0	0	2	0	15	0	0	0	29	0	0	0
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3	2	21	0	0	49	0	0	0	0	1	0	0	0
0	0	0	0	4	0	0	0	0	0	2	7	1	20
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0	0	18	2	0	0	28	1	0	0	0	0	0	0
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OTU12132	0	0	0	0	0	0	1	0	0	0	0	0	0
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0													
OTU428	0	0	0	0	0	0	1	0	0	0	0	0	0
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0	0	2	0	6	0	0	0	1	5	2	2	0	0
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0													
OTU15742	0	0	0	0	0	0	1	0	0	0	0	0	0
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0													
OTU7081	0	0	0	0	0	0	1	0	0	0	0	0	0
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0	0	0	0	0	0	0	3	0	0	0	0	0	0
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0	5	0	0	0	0	0	0	0	0	0	0	0	0
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0	3	0	0	0	0	0	25	0	0	0	0	0	1
15													
OTU7789	0	0	0	0	0	0	1	0	0	0	0	0	0
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0													
OTU932	0	0	0	0	0	0	3	1	0	0	0	0	0
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OTU7790 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU12130 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU12131 0 0 0 0 0 0 2 0 0 0 0 0 0
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1	119	1	0	12	0	0	11	0	7	0	7	0	39
0	7	0	67	0	4	0	36	0	0	0	93	26	0
0	69	6	0	39	11	19	164	21	1	0	3	0	0
16													
OTU15740	0	0	0	0	0	0	1	0	0	0	0	0	0
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OTU7791	0	0	0	0	0	0	1	0	0	0	0	0	0
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OTU13150	0	0	0	0	0	0	1	0	0	0	0	0	0
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OTU15741 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU614 0 0 0 0 0 0 1 0 2 0 0 0 0
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0 1 0 2 0 0 0 0 0 0 0 0 0 0
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OTU510 0 0 0 0 0 0 5 1 0 3 0 0 0
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0 10 0 0 0 0 0 0 0 0 0 0 0 0
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OTU136 0 0 0 0 0 0 1 0 0 0 0 2 2
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	0	50	0	0	0	0	0	3	0	0	1	0	0
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	0	4	0	179	2	4	198	0	7	260	0	0	1
20	80												
OTU1340	0	0	0	0	0	0	1	0	0	0	0	0	0
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	0	0	0	1	0	0	0	0	0	0	0	0	0
	0												
OTU14473	0	0	0	0	0	0	1	0	0	0	0	0	0
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OTU6646	0	0	0	0	0	0	1	0	0	0	0	0	0
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	0												

OTU15744	0	0	0	0	0	0	1	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	
0													
OTU472	0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	1	0	0	37	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	
2	3	0	0	0	0	0	0	0	0	0	2	0	0
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0	6	0	0	0	0	0	0	0	1	1	0	0	0
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0	27	17	8	38	22	6	10	1	2	0	1	0	5
0													
OTU4710	0	0	0	0	0	0	1	0	0	0	0	0	0
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0	0	1	0	0	0	0	0	1	0	0	0	0	0
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0	0	0	0	0	0	0	1	0	0	0	0	0	0
0													
OTU2898	0	0	0	0	0	0	6	0	0	6	0	1	0
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1	0	0	0	0	0	0	0	0	0	0	0	0	0
0	2	0	0	0	4	0	4	0	0	0	1	0	0
0	0	0	1	0	0	0	0	0	0	0	0	12	0
0	8	0	0	3	0	0	0	0	0	1	0	0	0

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	0	20	2	3	2	4	4	11	1	6	0	0	0	0
	16													
OTU1045	0	0	0	0	0	0	3	0	0	0	0	0	0	
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	1	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	3	0	0	0	0	0	0	0	1	
	0	0	0	1	0	1	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0													
OTU1248	0	0	0	0	0	0	6	0	0	1	0	0	0	
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	0	9	0	0	1	0	0	0	0	0	0	0	0	
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	0	25	0	0	0	0	0	4	0	0	0	0	0	0
	0													
OTU15175	0	0	0	0	0	0	1	0	0	0	0	0	0	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU15743	0	0	0	0	0	0	1	0	0	0	0	0	0	
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	0												
OTU12138	0	0	0	0	0	0	1	0	0	0	0	0	0
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	0												
OTU14474	0	0	0	0	0	0	1	0	0	0	0	0	0
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	0												
OTU3257	0	0	0	0	0	0	3	0	4	11	0	0	0
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	7	0	0	0	0	0	0	0	0	0	0	0	1
	0	0	0	0	0	0	0	0	0	0	0	1	0
	0	0	1	0	0	0	0	1	0	2	0	0	0	2
	0	0	0	14	0	0	0	26	0	0	0	1	1	0
	0	0	1	0	2	1	3	0	2	1	0	0	0	2
	0												

OTU12101	0	0	0	0	0	0	1	2	0	0	0	0	0
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1	0	0	1	0	0	0	1	0	0	0	0	0	
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0	0	0	1	0	0	0	0	0	0	0	1	0	
0	0	0	0	1	0	0	0	0	0	0	0	0	
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0													
OTU2094	0	0	0	0	0	0	1	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	
0	1	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	1	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	
0													
OTU1287	0	0	0	0	0	0	1	0	0	0	0	0	0
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0	1	0	0	0	0	1	0	3	2	0	1	0	0
1													
OTU12139	0	0	0	0	0	0	1	0	0	0	0	0	0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU6590 0 0 0 0 0 0 1 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 1
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OTU63 0 0 0 0 0 0 2 0 0 0 355 22 808 373
0 18 0 1 5 0 2 0 5 1 21 0 3 0
0 192 8 0 1 0 64 0 1 0 24 0 56 0
0 0 247 0 0 9 0 0 0 0 0 0 0 0
0 1 0 0 0 0 22 0 0 0 1 0 0 0
0 0 0 0 237 1 0 0 0 29 0 2 0 0
0 3 1 1 0 1 0 83 1 3 0 0 3 5
0 3 0 0 0 0 0 0 0 6 19 1 0 0
OTU14471 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU14470 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU7798 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU380 0 0 0 0 0 0 3 1 1 0 44 1 106
21 0 0 1 2 1 0 0 0 0 1 0 0 1
0 0 40 0 0 0 0 13 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 2 2 6 3 0 4
1 0 0 3 0 1 1 0 0 0 3 3 0 0
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OTU3254 0 0 0 0 0 0 1 0 0 0 0 0 0
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1

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OTU955	0	0	0	0	0	0	1	1	0	0	0	0	0
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OTU10388	0	0	0	0	0	0	1	0	0	0	0	0	0
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	0	0	0	0	5	0	0	0	0	1	0	0	1
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	0												
OTU13577	0	0	0	0	0	0	2	0	0	2	0	0	0
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	0	0	0	3	0	0	2	0	1	0	0	0	1	0
	0	0	0	0	0	0	0	6	0	0	0	0	0	0
	0	0	0	1	0	0	0	0	3	0	0	0	0	0
	0	0	1	0	0	0	0	0	0	1	1	0	0	0

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	0												
OTU12135	0	0	0	0	0	0	1	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU15749	0	0	0	0	0	0	1	0	0	0	0	0	0
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	0												
OTU7792	0	0	0	0	0	0	1	0	0	0	0	0	0
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	0												
OTU1185	0	0	0	0	0	0	2	0	0	0	0	0	0
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0	0	0	0	0	1	0	0	0	0	0	0	3	0
0	0	0	0	0	0	0	0	0	0	0	0	0	4
0													
OTU7793	0	0	0	0	0	0	1	0	0	0	0	0	0
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0													
OTU12137	0	0	0	0	0	0	1	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU7794	0	0	0	0	0	0	1	0	0	0	0	0	0
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0	0	0	0	2	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	1	0	0	0	0	1
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													

OTU14348	0	0	0	0	0	0	2	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	3	2	2	8	1	4	0	1	7	0	0	0	1
0													
OTU7643	0	0	0	0	0	0	2	1	0	2	0	0	0
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0	0	0	2	0	0	0	0	1	0	0	0	0	0
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0	0	0	0	0	1	0	0	0	0	0	0	1	0
0	1	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU5717	0	0	0	0	0	0	2	0	0	0	0	0	0
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0	0	0	0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	1	0	0	0	0	0	2
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU7797	0	0	0	0	0	0	1	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0

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0 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU12136 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU7795 0 0 0 0 0 0 1 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0
OTU12117 0 0 0 0 0 0 1 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
0
OTU566 0 0 0 0 0 0 1 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0

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	0												
OTU12116		0	0	0	0	0	0	1	0	0	0	0	0
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	0												
OTU2063		0	0	0	0	0	0	1	0	0	0	0	0
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	0	0	18	0	0	0	0	0	2	14	2	0	0	0
	1	0	0	0	0	1	0	9	10	5	107	2	0	0
	12	0	0	0	0	0	0	0	0	1	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU301		0	0	0	0	0	0	1	0	0	0	0	0	18
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	0	0	1	7	0	0	3	0	0	0	0	0	0	0
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	0	0	0	1	0	0	2	0	0	0	29	0	0	0
	3	0	7	0	1	0	0	0	183	0	0	0	0	2
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	0												

OTU12108	0	0	0	0	0	0	2	2	0	0	0	0	0
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0													
OTU12119	0	0	0	0	0	0	1	0	0	0	0	0	0
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0													
OTU15703	0	0	0	0	0	0	1	0	0	0	0	0	0
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0													
OTU15704	0	0	0	0	0	0	1	0	0	0	0	0	0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU7819 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU9865 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU15705 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU13319 0 0 0 0 0 0 1 4 0 0 0 0 1
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OTU12118 0 0 0 0 0 0 1 0 0 0 0 0 0
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0
OTU1384 0 0 0 0 0 0 2 0 0 0 1 0 4
1 0 1 0 1 0 0 0 0 0 0 1 0 0
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0 0 1 0 0 0 0 0 1 0 0 0 0 0
0 0 1 0 0 0 0 0 0 1 1 0 0 0
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0

OTU7818	0	0	0	0	0	0	1	0	0	0	0	0	0
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	0												
OTU688	0	0	0	0	0	0	2	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	5	0
	0	1	0	0	0	0	0	0	0	3	0	0	0
	0	0	0	2	0	0	0	0	0	0	0	2	2
	0	3	3	3	4	0	0	3	0	0	0	0	1
	4												
OTU2186	0	0	0	0	0	0	1	2	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	2	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	1	0	0	0	0	0	0	0
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	0												
OTU14475	0	0	0	0	0	0	1	0	0	0	0	0	0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
0
OTU14476 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU15701 0 0 0 0 0 0 1 0 0 0 0 0 0
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0
OTU958 0 0 0 0 0 0 1 0 0 0 0 1 0
0 0 0 0 0 0 0 0 1 0 1 0 5 0
4 2 0 0 1 0 0 0 0 0 0 0 5 0
15 0 0 0 0 0 0 0 0 0 1 0 0 0
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0 1 2 5 2 0 1 0 1 1 0 0 0 2
2
OTU6378 0 0 0 0 0 0 1 0 4 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 1
1 0 0 0 0 0 2 0 0 0 0 0 1 0

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	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	0	3	0	4	0	1	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU1299	0	0	0	0	0	0	2	2	1	1	0	0	0	
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	5	0	0	0	0	2	0	1	0	0	0	0	0	0
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	0	0	1	3	1	1	1	0	0	0	0	0	0	0
	0													
OTU372	0	0	0	0	0	0	1	0	0	9	0	0	0	
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	0	1	5	0	21	0	0	1	0	42	0	0	0	4
	0	0	0	16	0	0	0	4	0	0	0	0	1	0
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	1													
OTU7142	0	0	0	0	0	0	3	0	0	0	0	0	0	
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	0	0	0	0	0	0	0	1	0	0	0	0	0	2
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	0													

OTU12115	0	0	0	0	0	0	1	0	0	0	0	0	0
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OTU15702	0	0	0	0	0	0	1	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
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OTU7827	0	0	0	0	0	0	1	0	0	0	0	0	0
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OTU1238 0 0 0 0 0 0 2 0 4 1 0 1 0
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OTU12128 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU12129 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU12126	0	0	0	0	0	0	1	0	0	0	0	0	0
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	0												
OTU12125	0	0	0	0	0	0	2	0	0	0	0	0	0
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	0												
OTU1140	0	0	0	0	0	0	1	0	0	0	0	0	0
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OTU1455 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU7820 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU7823 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU14460 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU15710 0 0 0 0 0 0 2 0 0 0 0 0 0
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	0												
OTU3072	0	0	0	0	0	0	2	0	1	0	1	0	0
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	1	0	1	0	0	0	0	0	1	2	0	0	0
	0	0	0	0	0	0	0	1	0	0	0	0	1
	0	0	1	0	1	0	0	1	0	0	0	1	0
	1	0	0	0	0	1	0	0	0	0	1	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	1
	0												
	2												
OTU10621	0	0	0	0	0	0	1	0	8	0	0	0	0
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	7	0	0	1	0	0	0	2	0	0	0	0	0
	0	1	0	7	0	0	0	0	0	0	0	2	0
	0	0	1	0	1	0	0	0	0	2	0	2	0
	2												
	0	0	0	1	0	0	0	0	0	0	0	1	0
	0	0	0	1	0	0	0	1	0	2	0	0	0
	0												
OTU15712	0	0	0	0	0	0	1	0	0	0	0	0	0
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OTU335 0 0 0 0 0 0 2 0 0 0 0 0 0
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OTU15711 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU14453 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU14454 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU6478 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU12121 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU9639 0 0 0 0 0 0 1 0 0 0 0 0 0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU14456	0	0	0	0	0	0	1	0	0	0	0	0	0
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	0												
OTU7754	0	0	0	0	0	0	2	0	0	1	0	1	0
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	0	2	0	0	0	0	0	0	0	0	1	0	0
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	0	2	0	0	2	0	0	1	1	1	0	0	0
	4												
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OTU12122	0	0	0	0	0	0	1	0	0	0	0	0	0
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OTU3862 0 0 0 0 0 0 1 0 0 0 0 0 4
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OTU14465 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU15709 0 0 0 0 0 0 1 0 0 0 0 0 0
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	0												
OTU14467	0	0	0	0	0	0	1	0	0	0	0	0	0
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	0												
OTU485	0	0	0	0	0	0	1	1	1	0	0	0	0
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	0	99	0	0	0	0	0	2	0	0	0	0	3	0
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	23													
OTU14466	0	0	0	0	0	0	1	0	0	0	0	0	0
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	0												

OTU6636	0	0	0	0	0	0	1	0	14	1	0	0	0
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9	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	9	0	0	0	0
0													
OTU5377	0	0	0	0	0	0	1	0	0	0	0	2	2
3	3	0	0	1	0	0	0	0	0	0	0	1	0
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0	0	0	0	0	0	3	0	0	0	0	0	0	0
0	0	1	0	0	0	0	0	0	3	0	0	0	0
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15	0	1	0	2	0	0	1	0	1	1	0	0	1
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0													
OTU12123	0	0	0	0	0	0	1	0	0	0	0	0	0
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0													
OTU14464	0	0	0	0	0	0	1	0	0	0	0	0	0
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OTU15706 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU14461 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU15695 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU11924	0	0	0	0	0	0	1	0	0	0	0	0	0
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	0	0	0	0	0	0	1	0	0	0	0	0	0
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	0												
OTU15694	0	0	0	0	0	0	1	0	0	0	0	0	0
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OTU13824	0	0	0	0	0	0	1	0	0	0	0	0	0
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OTU7761 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU14399 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU10397 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU12157 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU4903 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU14400	0	0	0	0	0	0	1	0	0	0	0	0	0
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OTU13739	0	0	0	0	0	0	1	0	0	1	0	0	0
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	0	0	0	2	1	0	0	1	0	1	0	0	0
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	0												
OTU15700	0	0	0	0	0	0	1	0	0	0	0	0	0
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OTU12158 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU2922	0	0	0	0	0	0	1	2	11	0	0	0	0
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	3												

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0	0	1	0	0	0	0	0	1	0	0	0	0	0
0	1	0	0	0	0	0	0	0	1	2	1	0	0
3	0	1	0	0	0	0	1	0	0	0	3	1	0
0	0	1	1	0	0	0	1	0	0	0	0	0	0
1	2	1	0	1	0	0	0	0	0	2	0	0	0
1													
OTU14385	0	0	0	0	0	0	1	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU12144	0	0	0	0	0	0	1	0	0	0	0	0	0
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0													
OTU922	0	0	0	0	0	0	1	0	0	0	2	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0

0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0
OTU858 0 0 0 0 0 0 1 0 11 0 0 0 0
0 1 0 0 0 0 0 0 0 0 0 0 0
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0 0 2 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 1 0
0 3 0 1 0 0 0 0 0 0 0 0 0
0
OTU15722 0 0 0 0 0 0 1 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11167 0 0 0 0 0 0 1 0 0 1 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 1 0 0 0 3 0 0 0 0 0
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OTU14387 0 0 0 0 0 0 1 0 1 0 0 0 0
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1 1 0 0 0 0 0 0 0 0 0 0 0

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0	0	1	0	1	0	0	0	0	0	0	1	0	0
2	0	0	0	0	1	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	2	0	0	0
0													
OTU14386	0	0	0	0	0	0	1	0	0	0	0	0	0
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0													
OTU2560	0	0	0	0	0	0	1	0	0	0	0	0	0
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0													
OTU7781	0	0	0	0	0	0	1	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													

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OTU15713 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU12089 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU14394 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU14395 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU9801 0 0 0 0 0 0 1 1 0 0 1 0 0
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OTU3245 0 0 0 0 0 0 1 0 0 0 1 0 0
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OTU7452 0 0 0 0 0 0 2 0 2 0 0 0 0
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0	2	0	0	0	1	1	1	0	1	0	0	4	0
0	1	4	0	1	3	2	2	1	0	0	0	0	3
3													
OTU14397	0	0	0	0	0	0	1	0	0	0	0	0	0
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0													
OTU7778	0	0	0	0	0	0	1	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													

OTU12090 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU12091 0 0 0 0 0 0 0 1 0 0 0 0 0
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OTU14391 0 0 0 0 0 0 0 1 0 0 0 0 0
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OTU7780 0 0 0 0 0 0 0 1 0 0 0 0 0
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OTU7779 0 0 0 0 0 0 0 1 0 0 0 0 0
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OTU14390 0 0 0 0 0 0 0 1 0 0 0 0 0
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OTU643 0 0 0 0 0 0 0 1 0 0 0 1 1
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1 0 1 1 0 0 0 1 0 0 0 5 0 1
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OTU9488 0 0 0 0 0 0 0 1 0 0 0 0 0
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OTU587 0 0 0 0 0 0 0 12 0 2 0 0 0
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OTU207 0 0 0 0 0 0 0 2 0 2 0 0 0
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OTU459 0 0 0 0 0 0 0 3 1 0 0 0 0
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1 0 0 0 0 0 0 0 0 0 0 0 5 0
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0 0 0 0 0 0 0 1 0 0 0 0 3 1
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0 1 0 1 1 2 0 3 0 2 0 0 0 2
4

OTU14392 0 0 0 0 0 0 0 1 0 0 0 0 0
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OTU12087 0 0 0 0 0 0 0 1 0 0 0 0 0
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OTU422 0 0 0 0 0 0 0 3 1 1 0 0 0
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5 0 0 0 0 0 0 0 0 0 0 0 2 0
3 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 2 0 1 0 0 0 0 2 0 0 0 29
0 0 0 0 0 0 11 3 0 0 0 0 2 0
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OTU12088 0 0 0 0 0 0 0 1 0 0 0 0 0
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OTU15640 0 0 0 0 0 0 0 1 0 2 0 0 0
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OTU1608 0 0 0 0 0 0 0 1 0 0 0 0 0
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OTU7787 0 0 0 0 0 0 0 1 0 0 0 0 0
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OTU474 0 0 0 0 0 0 0 1 0 6 0 0 0
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0 0 0 0 0 0 0 0 0 0 1 0 0 0

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	0	1	2	1	4	0	1	0	2	1	0	0	0	2
	0	2	0	2	0	0	0	6	0	0	0	2	0	0
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	0													
OTU966		0	0	0	0	0	0	0	1	0	0	0	0	0
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	0	0	3	0	0	0	0	0	1	0	0	0	0	0
	0													
OTU15717		0	0	0	0	0	0	0	1	0	0	0	0	0
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	0													
OTU14420		0	0	0	0	0	0	0	1	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													

OTU13170	0	0	0	0	0	0	0	1	0	0	0	0	0
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0													
OTU7785	0	0	0	0	0	0	0	1	0	0	0	0	0
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0													
OTU12092	0	0	0	0	0	0	0	1	0	0	0	0	0
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0													
OTU7770	0	0	0	0	0	0	0	1	0	0	0	0	0
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OTU4306	0	0	0	0	0	0	0	1	0	0	0	0	0
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OTU11928	0	0	0	0	0	0	0	1	2	0	0	0	0
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OTU7768 0 0 0 0 0 0 0 1 0 0 0 0 0
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OTU14428	0	0	0	0	0	0	0	1	0	0	0	0	0
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OTU598	0	0	0	0	0	0	0	2	0	0	0	0	0
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OTU7877	0	0	0	0	0	0	0	1	0	0	0	0	0
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OTU14425	0	0	0	0	0	0	0	1	0	0	0	0	0
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0													

OTU8866	0	0	0	0	0	0	0	1	0	0	0	1	0
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OTU9428	0	0	0	0	0	0	0	1	0	0	0	0	0
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	0	0	0	0	0	0	0	1	0	0	0	0	0
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	0												
OTU15809	0	0	0	0	0	0	0	1	0	0	0	0	0
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	0												
OTU7878	0	0	0	0	0	0	0	1	0	0	0	0	0
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OTU14408 0 0 0 0 0 0 0 1 0 0 0 0 0
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OTU7900	0	0	0	0	0	0	0	1	0	0	0	0	0
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OTU7889	0	0	0	0	0	0	0	1	0	0	0	0	0
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OTU513	0	0	0	0	0	0	0	1	0	1	0	0	0
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OTU12102		0	0	0	0	0	0	0	1	0	0	0	0	0
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OTU14516		0	0	0	0	0	0	0	1	0	0	0	0	0
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	0													
OTU7891		0	0	0	0	0	0	0	1	0	0	0	0	0
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OTU12100		0	0	0	0	0	0	0	1	0	0	0	0	0
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OTU12587	0	0	0	0	0	0	0	1	0	0	0	0	0
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OTU15837	0	0	0	0	0	0	0	1	0	0	0	0	0
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OTU4113	0	0	0	0	0	0	0	1	0	0	0	0	1
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OTU7894	0	0	0	0	0	0	0	1	0	0	0	0	0
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	0												

OTU7893	0	0	0	0	0	0	0	1	0	0	0	0	0
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OTU4360	0	0	0	0	0	0	0	1	3	1	0	0	0
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OTU14538	0	0	0	0	0	0	0	1	1	0	0	0	0
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OTU15821	0	0	0	0	0	0	0	1	0	0	0	0	0
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OTU15824 0 0 0 0 0 0 0 1 0 0 0 0 0
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OTU2545	0	0	0	0	0	0	0	1	0	0	0	0	0
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OTU7892	0	0	0	0	0	0	0	1	0	0	0	0	0
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OTU15820	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU7860	0	0	0	0	0	0	0	0	3	0	0	0	0
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OTU3239	0	0	0	0	0	0	0	0	2	1	0	0	0
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OTU4911		0	0	0	0	0	0	0	0	5	0	0	1	0
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	0													
OTU7839		0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU855		0	0	0	0	0	0	0	0	3	0	0	0	0
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OTU405	0	0	0	0	0	0	0	0	2	1	0	1	0
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OTU7840	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU8915	0	0	0	0	0	0	0	0	1	0	1	0	0
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	0												

OTU660	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU673	0	0	0	0	0	0	0	0	1	0	0	0	0
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	0	2	0	0	0	0	0	20	0	0	0	1	0
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	0	3	4	8	10	4	4	6	3	3	0	1	0
	8	5											
OTU14517	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU15777	0	0	0	0	0	0	0	0	2	0	0	0	0
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OTU2170 0 0 0 0 0 0 0 0 53 1 0 0 0
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OTU7835 0 0 0 0 0 0 0 0 1 0 0 0 0
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OTU13093 0 0 0 0 0 0 0 0 1 0 1 0 0
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OTU4784	0	0	0	0	0	0	0	0	1	0	0	0	0	
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OTU171	0	0	0	0	0	0	0	0	2	3	0	0	0	
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	0													
OTU548	0	0	0	0	0	0	0	0	3	0	0	0	0	
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	0													

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OTU3990	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU3454	0	0	0	0	0	0	0	0	3	0	0	0	0
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OTU706	0	0	0	0	0	0	0	0	7	3	0	1	0
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	0												

OTU254	0	0	0	0	0	0	0	0	7	0	0	0	0
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OTU12453	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU6700	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU1019	0	0	0	0	0	0	0	0	1	0	0	0	0
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0													
OTU5125	0	0	0	0	0	0	0	0	2	0	0	0	0
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OTU14789	0	0	0	0	0	0	0	0	1	0	0	0	0
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0													
OTU15449	0	0	0	0	0	0	0	0	2	0	0	0	1
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OTU12452	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU14496 0 0 0 0 0 0 0 0 2 0 0 0 0
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OTU7841 0 0 0 0 0 0 0 0 1 0 0 0 0
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OTU7369 0 0 0 0 0 0 0 0 1 1 0 0 0
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OTU15828	0	0	0	0	0	0	0	0	1	0	0	0	0	
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OTU7842	0	0	0	0	0	0	0	0	1	0	0	0	0	
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OTU15339	0	0	0	0	0	0	0	0	3	0	0	0	0	
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OTU14544	0	0	0	0	0	0	0	0	1	0	0	0	0	
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0													
OTU12442	0	0	0	0	0	0	0	0	1	0	0	0	0
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0													
OTU15827	0	0	0	0	0	0	0	0	1	0	0	0	0
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0													
OTU450	0	0	0	0	0	0	0	0	4	0	0	0	0
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0	0	0	0	0	3	0	0	0	0	0	0	0	0
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0	12	0	8	0	0	0	0	0	0	0	0	0	0
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0													

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OTU12443 0 0 0 0 0 0 0 0 1 0 0 0 0
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OTU14545 0 0 0 0 0 0 0 0 1 0 0 0 0
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OTU7829 0 0 0 0 0 0 0 0 1 0 0 0 0
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0													
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0													
OTU2331	0	0	0	0	0	0	0	0	1	0	0	0	0
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0													
OTU15774	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU15773	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU14546 0 0 0 0 0 0 0 0 1 0 0 0 0
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OTU1039 0 0 0 0 0 0 0 0 2 0 0 0 0
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OTU7989 0 0 0 0 0 0 0 0 5 0 0 2 0
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OTU623	0	0	0	0	0	0	0	0	2	0	0	0	0
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OTU12438	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU14543	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU15772 0 0 0 0 0 0 0 0 1 0 0 0 0
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OTU7832 0 0 0 0 0 0 0 0 1 0 0 0 0
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OTU3905 0 0 0 0 0 0 0 0 1 0 0 0 0
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OTU8609 0 0 0 0 0 0 0 0 1 0 0 0 0
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	0	0	0	0	1	0	0	0	0	0	0	0	0
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	1												
OTU12439	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU16189	0	0	0	0	0	0	0	0	2	0	2	0	0
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OTU6086	0	0	0	0	0	0	0	0	1	0	0	0	0
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	1	0	0	0	0	0	0	0	0	0	0	1	0	1
	0	3	0	0	0	0	0	0	0	0	0	0	0	0
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	2													

OTU13626	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU16346	0	0	0	0	0	0	0	0	1	0	0	0	0
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3	0	0	0	0	0	0	1	0	0	0	1	0	0
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1	0	0	0	0	0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	1	1	0
0													
OTU15780	0	0	0	0	0	0	0	0	1	0	0	0	0
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0													
OTU10948	0	0	0	0	0	0	0	0	8	1	0	0	0
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	0	23	10	96	15	9	11	8	1	13	0	0	0	20
	7													
OTU602		0	0	0	0	0	0	0	0	1	0	0	0	0
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	1	0	0	0	0	1	2	2	3	0	0	0	1	1
	1	0	0	0	0	0	0	2	0	0	0	0	1	0
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	0													
OTU574		0	0	0	0	0	0	0	0	1	0	0	0	0
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	1	0	0	0	0	0	0	2	0	0	0	5	0	2
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	0	1	1	2	2	9	9	0	2	1	0	0	0	5
	7													
OTU914		0	0	0	0	0	0	0	0	1	0	0	0	0
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	0	2	0	0	3	6	0	0	0	0	0	0	0	4
	0													
OTU12448		0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU15781 0 0 0 0 0 0 0 0 1 0 0 0 0
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OTU3525 0 0 0 0 0 0 0 0 2 0 0 0 0
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OTU12449 0 0 0 0 0 0 0 0 1 0 0 0 0
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OTU12447	0	0	0	0	0	0	0	0	1	0	0	0	0
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0													
OTU9276	0	0	0	0	0	0	0	0	1	0	0	0	0
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1	0	1	0	0	0	0	0	0	0	1	0	0	0
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OTU14536	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU14535	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU7844 0 0 0 0 0 0 0 0 1 0 0 0 0
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OTU15784 0 0 0 0 0 0 0 0 1 0 0 0 0
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OTU12445 0 0 0 0 0 0 0 0 1 0 0 0 0
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OTU14531	0	0	0	0	0	0	0	0	1	0	0	0	0
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0 1 0 0 0 0 0 1 0 0 0 0 0 0
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	0	1	0	0	0	0	0	0	0	0	2	0	0
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	0	3	2	5	2	6	23	0	0	6	0	0	0	4
	1												
OTU4692	0	0	0	0	0	0	0	0	1	0	0	0	0
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	0	2	0	0	0	0	0	0	0	0	1	2	0	0
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	0	0	0	0	0	0	0	0	1	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU14530	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU5842	0	0	0	0	0	0	0	0	1	0	0	0	0
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	0	0	3	0	2	3	0	0	1	7	0	0	1	0
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	1	2	0	0	0	0	0	0	0	1	1	0	2	2

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	0	1	0	0	2	2	3	1	1	2	0	0	0	0
	1													
OTU7848	0	0	0	0	0	0	0	0	1	0	0	0	0	
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	0													
OTU3055	0	0	0	0	0	0	0	0	1	1	0	0	0	
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	0	0	0	0	0	0	0	0	0	0	2	0	0	0
	1	0	0	0	0	0	0	0	0	0	3	0	0	0
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	0													
OTU2270	0	0	0	0	0	0	0	0	1	0	0	0	0	
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	0	0	0	0	0	1	0	0	0	0	0	0	0	
	0													
OTU15779	0	0	0	0	0	0	0	0	1	0	0	0	0	
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OTU12446 0 0 0 0 0 0 0 0 1 0 0 0 0
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OTU15121 0 0 0 0 0 0 0 0 1 0 0 0 0
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0 1 0 0 0 0 0 0 0 0 0 0 0 0
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0 4 1 0 0 1 2 0 0 0 0 0 0 0
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OTU14534 0 0 0 0 0 0 0 0 1 0 0 0 0
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OTU1265	0	0	0	0	0	0	0	0	1	1	0	1	1
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0	0	0	3	0	0	2	0	0	0	1	2	0	1
0	2	0	0	1	2	2	0	3	0	1	0	6	0
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1	0	0	0	0	0	0	0	1	2	0	1	0	1
0													
OTU873	0	0	0	0	0	0	0	0	1	0	0	0	1
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0	0	0	0	0	0	0	0	0	0	0	4	0	0
0	0	0	0	0	2	0	0	0	0	1	0	2	0
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0													
OTU3891	0	0	0	0	0	0	0	0	1	0	3	1	3
7	0	2	0	0	0	0	4	0	1	0	1	0	0
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0	1	0	0	0	1	0	0	0	0	2	0	1	0
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0	0	0	0	0	1	1	0	3	1	0	0	1	0
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1	0	0	0	0	0	0	0	2	0	1	2	0	0
0													
OTU9699	0	0	0	0	0	0	0	0	1	0	0	0	0
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0													
OTU15778	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU14532	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU11076	0	0	0	0	0	0	0	0	1	1	0	0	0
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0													
OTU14533	0	0	0	0	0	0	0	0	1	0	0	0	0
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0													
OTU15776	0	0	0	0	0	0	0	0	2	0	0	0	0
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1	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU3945	0	0	0	0	0	0	0	0	1	0	0	0	0
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0	105	0	0	0	0	23	0	0	0	1	0	0	0
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0	0	0	0	0	0	0	5	75	0	0	0	0	0
6	0	4	0	0	0	0	0	0	1	0	1	0	0
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0	2	1	1	3	0	5	1	4	0	0	0	0	5
4													
OTU2189	0	0	0	0	0	0	0	0	2	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													

OTU2949	0	0	0	0	0	0	0	0	1	0	0	0	0
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0	1	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	1	0	0	0	0
0	0	0	4	44	2	0	1	2	5	0	3	0	0
3													
OTU7858	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU15764	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU14537 0 0 0 0 0 0 0 0 1 0 0 0 0
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OTU16140 0 0 0 0 0 0 0 0 1 1 0 0 0
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3													
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OTU678	0	0	0	0	0	0	0	0	1	0	0	0	0
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0													

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OTU792	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU15761	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU1293	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU7845	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU15760	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU4747	0	0	0	0	0	0	0	0	1	0	0	0	0
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0													
OTU15769	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU16532 0 0 0 0 0 0 0 0 1 2 0 0 0
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OTU15770 0 0 0 0 0 0 0 0 1 0 0 0 0
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OTU14540	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU14489	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU2993	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU1025	0	0	0	0	0	0	0	0	1	0	0	0	0	
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OTU15771	0	0	0	0	0	0	0	0	1	0	0	0	0	
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OTU544	0	0	0	0	0	0	0	0	1	0	0	0	0	
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	0	0	0	0	0	5	0	0	3	0	0	0	0	0
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OTU16495	0	0	0	0	0	0	0	0	1	1	0	0	0	
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	0	1	0	0	0	0	0	0	0	0	0	0	1
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	2	1	0	2	0	0	0	0	0	0
	0												
OTU10472	0	0	0	0	0	0	0	0	2	0	0	0	0
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	0	0	0	0	0	1	0	0	0	1	0	0	0
	2	0	0	0	0	0	0	0	0	0	0	1	0
	1	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	1	1	0	0	0	0	0	0	0
	0												
OTU13909	0	0	0	0	0	0	0	0	1	0	3	0	0
	2	0	0	0	1	9	0	0	0	0	0	0	0
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	0	0	4	0	3	0	0	0	1	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU10209	0	0	0	0	0	0	0	0	1	0	0	0	0
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	0	0	0	0	0	0	0	0	0	1	0	0	2
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	0												

OTU11719	0	0	0	0	0	0	0	0	1	0	0	0	0
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0	0	0	0	1	0	0	1	0	0	0	0	0	0
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1													
OTU13234	0	0	0	0	0	0	0	0	1	0	0	0	0
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0	0	2	0	3	0	0	0	3	0	0	0	0	0
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2	0	0	0	1	1	0	4	0	0	0	1	0	0
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0													
OTU13820	0	0	0	0	0	0	0	0	1	0	0	0	0
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0	0	0	1	0	0	0	0	0	2	0	0	0	0
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OTU996	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU13987 0 0 0 0 0 0 0 0 1 1 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU7847 0 0 0 0 0 0 0 0 1 0 0 0 0
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OTU14490 0 0 0 0 0 0 0 0 1 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU1150 0 0 0 0 0 0 0 0 2 2 0 0 0
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9 0 0 0 0 0 0 0 0 0 0 0 0 0

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	12													
OTU15765	0	0	0	0	0	0	0	0	1	0	0	0	0	
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OTU6920	0	0	0	0	0	0	0	0	2	0	0	0	0	
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OTU12460	0	0	0	0	0	0	0	0	1	1	0	0	1	
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	0													

OTU9695	0	0	0	0	0	0	0	0	1	0	0	0	0
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	0												
OTU9934	0	0	0	0	0	0	0	0	1	0	1	0	0
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	1												
OTU12461	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU15768 0 0 0 0 0 0 0 0 1 0 0 0 0
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OTU12459 0 0 0 0 0 0 0 0 1 0 0 0 0
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OTU15792 0 0 0 0 0 0 0 0 1 0 0 0 0
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OTU12464 0 0 0 0 0 0 0 0 1 0 0 1 1
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OTU9459	0	0	0	0	0	0	0	0	1	1	2	0	0
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0													
OTU1074	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU14495	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU9180 0 0 0 0 0 0 0 0 1 0 0 0 0
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43
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OTU9939 0 0 0 0 0 0 0 0 1 0 0 0 0
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OTU7661 0 0 0 0 0 0 0 0 1 0 0 0 0
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	0												
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OTU366	0	0	0	0	0	0	0	0	2	0	0	0	0
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	0	2	2	0	1	0	0	0	0	0	3	1	0
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	0	3											

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OTU12454 0 0 0 0 0 0 0 0 1 0 0 0 0
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OTU14498 0 0 0 0 0 0 0 0 1 0 0 0 0
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OTU14497 0 0 0 0 0 0 0 0 1 0 0 0 0
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	0	0	0	0	0	0	0	0	0	0	3	3	0
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	0												
OTU14491	0	0	0	0	0	0	0	0	1	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU8853	0	0	0	0	0	0	0	0	1	0	0	1	0
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	0	8	0	3	0	0	0	0	0	0	0	1	0	0
	0	0	0	2	0	0	0	0	0	0	0	3	1
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	3	1	1	6	2	0	0	0	1	0	0	0	0
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	0												
OTU348	0	0	0	0	0	0	0	0	1	0	0	0	0
	1	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	119	0	0
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	0	0	0	0	0	1	0	0	0	0	0	0	1
	0	0	0	0	0	0	0	6	0	0	0	1	0
	0	5	4	0	2	2	12	6	1	5	19	0	0	0
	0												

OTU15791	0	0	0	0	0	0	0	0	1	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	
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0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	
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0	0	0	0	0	0	0	0	0	0	0	0	0	
0													
OTU11943	0	0	0	0	0	0	0	0	1	0	0	0	0
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0													
OTU14492	0	0	0	0	0	0	0	0	1	0	0	1	0
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0													
OTU12470	0	0	0	0	0	0	0	0	1	0	0	0	0
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0													
OTU2610	0	0	0	0	0	0	0	0	1	0	0	0	0
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1													
OTU482	0	0	0	0	0	0	0	0	1	0	0	0	0
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2	0	0	0	0	16	0	15	9	0	0	0	0	0
1	3	0	0	0	0	0	6	0	0	0	0	0	0
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0	1	3	1	5	8	6	0	5	3	0	0	0	7
3													
OTU14494	0	0	0	0	0	0	0	0	1	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU14493	0	0	0	0	0	0	0	0	1	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0

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OTU8904 0 0 0 0 0 0 0 0 1 0 0 0 0
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OTU12469 0 0 0 0 0 0 0 0 1 0 0 0 0
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1 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU14485 0 0 0 0 0 0 0 0 1 0 0 0 0
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0

OTU14351	0	0	0	0	0	0	0	0	1	0	0	0	0
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1	0	0	0	2	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	1	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	1	0	3	0
0													
OTU1475	0	0	0	0	0	0	0	0	1	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	1	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	8	0	0	1	3	0	0	0	0	0	0	0	0
0													
OTU14484	0	0	0	0	0	0	0	0	1	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU486	0	0	0	0	0	0	0	0	3	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	7	0	0	0	0	0	0	0	0	0	0	0	0

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	0	4	1	0	0	1	0	5	1	9	0	0	0	5
	7													
OTU14483	0	0	0	0	0	0	0	0	1	0	0	0	0	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	0													
OTU7666	0	0	0	0	0	0	0	0	1	0	0	0	0	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	1	0	0	0	0	0	
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	0													
OTU8659	0	0	0	0	0	0	0	0	1	2	0	0	0	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	
	1	0	0	0	0	0	0	0	0	1	0	1	0	0
	0	0	0	0	1	0	0	0	0	0	0	0	0	
	0													
OTU1151	0	0	0	0	0	0	0	0	1	1	31	2	47	
	0	0	0	0	0	8	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	

	0	0	1	0	30	2	2	0	0	0	0	0	1	0
	0	0	0	0	0	0	0	3	0	0	0	0	0	0
	0	0	3	0	0	1	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	1	0	0	4	0	0	0	5
	0	0	0	0	1	0	0	0	0	0	1	0	0	0
	1													
OTU4443	0	0	0	0	0	0	0	0	1	0	0	0	3	
	1	0	0	0	0	1	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	1	0	0	0	0	2	0	2
	1	0	0	1	0	1	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	1	0	2	0
	0													
OTU364	0	0	0	0	0	0	0	0	1	0	0	0	0	
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	2	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	6	0	0	0	0	0	0	0	0	1	0	0	0
	0	0	0	1	0	0	0	0	0	0	0	0	2	0
	0	1	33	7	27	12	0	0	59	0	0	1	0	6
	14													
OTU12466	0	0	0	0	0	0	0	0	1	0	0	0	0	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													

OTU12467	0	0	0	0	0	0	0	0	1	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU7654	0	0	0	0	0	0	0	0	1	0	0	0	0
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	0												
OTU11491	0	0	0	0	0	0	0	0	2	0	0	1	0
	0	0	0	0	0	0	0	0	0	4	0	0	0
	0	0	1	0	0	0	0	0	0	0	0	0	0
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	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	1	0	1	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	1	0	0
	0	4	1	1	0	0	0	2	0	0	0	0	0
	0												
OTU11861	0	0	0	0	0	0	0	0	1	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	1	0
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	0	0	1	0	0	0	0	0	0	0	0	0	0

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0													
OTU3687	0	0	0	0	0	0	0	0	1	0	7	0	25
5	0	0	0	0	5	0	3	0	248	0	10	0	0
0	0	30	1	0	4	0	1	0	0	0	2	0	1
0	1	18	12	0	0	575	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	5	28	0	0	0	78	1	6	0
16	0	53	0	12	0	3	0	47	0	5	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU15795	0	0	0	0	0	0	0	0	1	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU2179	0	0	0	0	0	0	0	0	1	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	1	0
0	0	0	0	0	0	1	0	0	0	0	0	0	1
0													
OTU14478	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU12468 0 0 0 0 0 0 0 0 1 0 0 0 0
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OTU4107 0 0 0 0 0 0 0 0 1 0 0 0 0
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0 1 1 1 2 1 1 3 1 2 0 0 0 0
1
OTU14480 0 0 0 0 0 0 0 0 1 0 0 0 0
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OTU14481 0 0 0 0 0 0 0 0 1 0 0 0 0
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OTU14482 0 0 0 0 0 0 0 0 1 0 0 0 0
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OTU2879	0	0	0	0	0	0	0	0	1	0	0	0	0
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3													

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OTU15003	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU1288	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU11062	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU12413	0	0	0	0	0	0	0	0	1	0	0	0	0
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OTU15790	0	0	0	0	0	0	0	0	1	0	0	0	0
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0													
OTU15789	0	0	0	0	0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU14507	0	0	0	0	0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0

	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU14508	0	0	0	0	0	0	0	0	1	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU778	0	0	0	0	0	0	0	0	1	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	4	0	0	0	0	0	0	0	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	2
	0	0	0	0	0	0	0	0	0	0	1	3	0
	0	6	1	3	2	0	2	4	1	11	0	0	0
	0	3											
OTU5140	0	0	0	0	0	0	0	0	1	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	1	0
	0	0	1	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												

OTU12415 0 0 0 0 0 0 0 0 1 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU14509 0 0 0 0 0 0 0 0 1 0 0 0 0
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OTU12417 0 0 0 0 0 0 0 0 0 1 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU7684 0 0 0 0 0 0 0 0 0 1 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0

	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU15549	0	0	0	0	0	0	0	0	0	1	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	1	1	0	1	0	0	0
	0	0	0	0	0	0	0	0	0	0	1	0	0
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	0												
OTU7685	0	0	0	0	0	0	0	0	0	1	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	1	0	0	0	0	0	0	0	0	0
	0	0	0	1	0	0	0	0	0	0	0	0	0
	0												
OTU12414	0	0	0	0	0	0	0	0	0	1	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU495	0	0	0	0	0	0	0	0	0	16	0	0	0
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	0	0	0	0	1	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	3	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	3	0
	0	2	12	0	0	3	3	0	1	0	0	0	0
	0												
OTU12396	0	0	0	0	0	0	0	0	0	1	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU823	0	0	0	0	0	0	0	0	0	2	1	0	1
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	2	0	0	0	0	0	0	1	0	0	0	0	1
	0	0	0	1	0	0	0	0	1	0	0	1	0
	0	18	0	0	0	0	0	0	0	0	1	0	0
	0	0	0	1	0	0	0	0	0	0	32	19	0
	0	1	39	50	23	89	47	10	20	30	0	0	45
	79												
OTU14512	0	0	0	0	0	0	0	0	0	1	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												

OTU14514 0 0 0 0 0 0 0 0 0 1 0 0 0
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OTU14513 0 0 0 0 0 0 0 0 0 1 0 0 0
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OTU4249 0 0 0 0 0 0 0 0 0 8 0 0 0
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OTU1704 0 0 0 0 0 0 0 0 0 1 0 0 0
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0 0 0 0 0 0 0 0 0 0 3 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 4 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0

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0													
OTU7682	0	0	0	0	0	0	0	0	0	1	0	0	0
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0													
OTU12397	0	0	0	0	0	0	0	0	0	1	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU231	0	0	0	0	0	0	0	0	0	16	0	0	0
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0	0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	29	0	0	0	0	0	0	0	2	0	0	0	2
0	0	0	0	1	0	0	0	0	0	0	39	15	0
0	14	24	0	40	10	37	74	6	2	0	1	0	3
1													
OTU12394	0	0	0	0	0	0	0	0	0	2	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0

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OTU11732 0 0 0 0 0 0 0 0 0 1 0 0 0
0 0 1 0 1 0 5 1 0 0 0 0 0 3
3 0 0 2 0 1 0 0 0 0 0 0 0 0
6 0 0 0 0 0 0 0 0 0 0 1 0 0
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OTU7124 0 0 0 0 0 0 0 0 0 1 0 0 0
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OTU7670 0 0 0 0 0 0 0 0 0 1 0 0 0
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OTU7217	0	0	0	0	0	0	0	0	0	1	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	1	0	0	0	0	2	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU2095	0	0	0	0	0	0	0	0	0	1	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	2	0
	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU4467	0	0	0	0	0	0	0	0	0	5	0	1	0
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	4	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	2	4	2	0	0	0	0	0	0	0	0
	0												
OTU12395	0	0	0	0	0	0	0	0	0	1	0	0	0
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OTU13212 0 0 0 0 0 0 0 0 0 5 0 0 0
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OTU12400 0 0 0 0 0 0 0 0 0 1 0 0 0
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OTU4807 0 0 0 0 0 0 0 0 0 1 0 0 0
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OTU12401 0 0 0 0 0 0 0 0 0 1 0 0 0
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OTU7669 0 0 0 0 0 0 0 0 0 1 0 0 0
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OTU12983 0 0 0 0 0 0 0 0 0 1 0 0 0
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OTU7668 0 0 0 0 0 0 0 0 0 1 0 0 0
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OTU1457 0 0 0 0 0 0 0 0 0 1 0 0 0
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OTU14502 0 0 0 0 0 0 0 0 0 1 0 0 0
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OTU14503 0 0 0 0 0 0 0 0 0 1 0 0 0
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OTU15637 0 0 0 0 0 0 0 0 0 1 0 0 0
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OTU12405 0 0 0 0 0 0 0 0 0 1 0 0 0
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OTU435 0 0 0 0 0 0 0 0 0 1 0 0 0
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0 0 0 1 0 0 0 0 1 67 0 0 0 0
26
OTU12403 0 0 0 0 0 0 0 0 0 1 0 0 0
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OTU15641 0 0 0 0 0 0 0 0 0 1 0 0 0
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OTU14504 0 0 0 0 0 0 0 0 0 1 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0
OTU7677 0 0 0 0 0 0 0 0 0 1 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
0

OTU5583	0	0	0	0	0	0	0	0	0	1	0	0	0
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1	0	0	0	0	0	0	0	0	4	0	0	0	0
4	21	0	6	0	0	0	0	0	1	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	1	0	0	0	4	0	1
1	0	0	0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU12402	0	0	0	0	0	0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU14336	0	0	0	0	0	0	0	0	0	1	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	8	0	1	2	0	0	9	0	0	0	7
10													
OTU307	0	0	0	0	0	0	0	0	0	2	0	4	0
0	0	4	1	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0
1	15	0	7	0	0	0	0	0	0	0	4	0	0
0	0	0	0	0	8	0	2	25	1	2	0	9	0
1	6	0	0	0	5	1	3	5	1	0	266	4	1

0	14	1	0	0	0	0	0	0	0	0	3	3	0
0	5	0	9	10	4	1	10	1	1	0	1	0	19
4													
OTU1718	0	0	0	0	0	0	0	0	0	1	0	1	0
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0													
OTU7678	0	0	0	0	0	0	0	0	0	1	0	0	0
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0													
OTU12398	0	0	0	0	0	0	0	0	0	1	0	0	0
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0													
OTU15642	0	0	0	0	0	0	0	0	0	1	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0

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0 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
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0
OTU15643 0 0 0 0 0 0 0 0 0 1 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU14500 0 0 0 0 0 0 0 0 0 1 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU14501 0 0 0 0 0 0 0 0 0 1 0 0 0
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0

OTU7667	0	0	0	0	0	0	0	0	0	2	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	1	0
	0	0	0	0	0	0	0	0	1	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	2	1	0
	0	2	0	1	8	13	0	1	0	1	0	0	3
	2												
OTU7671	0	0	0	0	0	0	0	0	0	1	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU12399	0	0	0	0	0	0	0	0	0	1	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU15592	0	0	0	0	0	0	0	0	0	2	0	0	0
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	0	0	0	1	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0

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0 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU1124 0 0 0 0 0 0 0 0 0 1 0 0 0
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0 0 0 0 0 1 0 0 0 1 0 1 0 0
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OTU14505 0 0 0 0 0 0 0 0 0 1 0 0 0
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OTU11911 0 0 0 0 0 0 0 0 0 1 0 0 0
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OTU15639 0 0 0 0 0 0 0 0 0 1 0 0 0
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OTU15638 0 0 0 0 0 0 0 0 0 1 0 0 0
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OTU14506 0 0 0 0 0 0 0 0 0 1 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU7676 0 0 0 0 0 0 0 0 0 1 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
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0

OTU3083	0	0	0	0	0	0	0	0	0	1	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	1	0	0	0	0	0	0	0	0
	0												
OTU7617	0	0	0	0	0	0	0	0	0	2	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU267	0	0	0	0	0	0	0	0	0	3	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	3	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	1	0	0	0	0	0	0	0	0	0
	0	0	0	0	1	1	0	0	0	2	0	0	229
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU12431	0	0	0	0	0	0	0	0	0	1	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0

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0 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15631 0 0 0 0 0 0 0 0 0 1 0 0 0
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OTU331 0 0 0 0 0 0 0 0 0 1 0 0 0
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0 0 1 1 0 0 0 0 0 0 3 30 0 1
1 14 1 0 45 3 2 35 0 2 1 2 1 2
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OTU11548 0 0 0 0 0 0 0 0 0 1 0 0 0
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0 1 0 0 1 0 0 3 1 1 0 1 0 0
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OTU12430 0 0 0 0 0 0 0 0 0 1 0 0 0
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OTU5662 0 0 0 0 0 0 0 0 0 2 0 0 1
1 0 0 0 1 15 0 0 0 0 0 0 0 0
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1 0 1 0 0 1 0 1 0 0 0 0 0 1
0 0 0 0 0 3 0 0 0 0 0 0 0 0
0 35 0 0 0 0 0 2 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 21 24 1
0 86 7 16 32 7 5 9 4 30 0 3 0 26
10
OTU7620 0 0 0 0 0 0 0 0 0 1 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU7614 0 0 0 0 0 0 0 0 0 1 0 0 0
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0

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	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU7615	0	0	0	0	0	0	0	0	0	1	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU2281	0	0	0	0	0	0	0	0	0	3	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	14	0	1	0	1	0	2	0
	0	14	0	1	0	0	0	0	0	0	0	35	0
	0	3	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	1	0	0	0	1	2
	0	5	0	0	0	0	0	2	2	1	0	0	0
	0												
OTU4248	0	0	0	0	0	0	0	0	0	1	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0

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OTU2493 0 0 0 0 0 0 0 0 0 1 0 1 0
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OTU413 0 0 0 0 0 0 0 0 0 1 0 0 0
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0 4 1 10 2 4 2 0 4 18 0 0 0 15
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OTU8167 0 0 0 0 0 0 0 0 0 1 0 1 0
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0 22 3 4 0 0 1 0 0 0 1 0 0 0
17
OTU12435 0 0 0 0 0 0 0 0 0 1 0 0 0
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OTU7616 0 0 0 0 0 0 0 0 0 1 0 0 0
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OTU15630 0 0 0 0 0 0 0 0 0 1 0 0 0
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OTU6653 0 0 0 0 0 0 0 0 0 1 0 3 0
0 0 0 0 0 12 0 0 0 0 0 0 0 1
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0 0 0 0 0 0 0 0 0 0 0 0 1 0
0 4 1 0 1 0 0 0 0 1 0 0 0 0
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0 5 0 1 6 0 0 5 0 3 0 1 0 0
3

OTU15635 0 0 0 0 0 0 0 0 0 1 0 0 0
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0
OTU7627 0 0 0 0 0 0 0 0 0 1 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU4236	0	0	0	0	0	0	0	0	0	1	0	0	0
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OTU12428	0	0	0	0	0	0	0	0	0	1	0	0	0
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OTU15659	0	0	0	0	0	0	0	0	0	1	0	0	0
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OTU4238	0	0	0	0	0	0	0	0	0	1	0	0	0
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	0												
OTU1026	0	0	0	0	0	0	0	0	0	2	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	1	0
	0	1	0	0	0	0	0	0	0	1	0	0	1	1
	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	0	0	0	2	0	0	0	0	0	0	0	0	0	1
	0													
OTU4243	0	0	0	0	0	0	0	0	0	1	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU4244	0	0	0	0	0	0	0	0	0	1	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	1	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												

OTU10558	0	0	0	0	0	0	0	0	0	2	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	1	0	0	0
0													
OTU12425	0	0	0	0	0	0	0	0	0	1	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU7609	0	0	0	0	0	0	0	0	0	1	0	0	0
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0													
OTU2296	0	0	0	0	0	0	0	0	0	2	0	0	0
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0	1	0	0	0	0	0	0	0	0	0	0	0	0

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0 4 1 0 0 0 1 0 0 0 0 0 0 0
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OTU15660 0 0 0 0 0 0 0 0 0 1 0 0 0
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OTU603	0	0	0	0	0	0	0	0	0	1	0	0	0
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	0	8	0	0	0	1	0	0	0	0	0	0	1	0
	0	0	1	3	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	5	0	0	0	0	1	0
	0												
OTU4271	0	0	0	0	0	0	0	0	0	1	0	0	0
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OTU12513	0	0	0	0	0	0	0	0	0	1	0	0	0
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OTU15649 0 0 0 0 0 0 0 0 0 1 0 0 0
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OTU7642 0 0 0 0 0 0 0 0 0 1 0 0 0
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OTU13762 0 0 0 0 0 0 0 0 0 1 0 0 0
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OTU4269 0 0 0 0 0 0 0 0 0 1 0 0 0
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OTU8717 0 0 0 0 0 0 0 0 0 1 0 0 0
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OTU15644 0 0 0 0 0 0 0 0 0 1 0 0 0
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	0												
OTU12521	0	0	0	0	0	0	0	0	0	1	0	0	0
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	0												
OTU12519	0	0	0	0	0	0	0	0	0	2	0	0	0
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	0												
OTU9309	0	0	0	0	0	0	0	0	0	1	0	0	0
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OTU9645 0 0 0 0 0 0 0 0 0 1 0 0 0
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OTU4276 0 0 0 0 0 0 0 0 0 2 0 0 0
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OTU10333	0	0	0	0	0	0	0	0	0	0	1	1	7	
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OTU5359	0	0	0	0	0	0	0	0	0	0	1	0	0	
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OTU4267	0	0	0	0	0	0	0	0	0	0	1	0	0
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OTU359	0	0	0	0	0	0	0	0	0	0	35	1	40
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OTU4266	0	0	0	0	0	0	0	0	0	0	1	0	0
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OTU78	0	0	0	0	0	0	0	0	0	0	29	0	19	133
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OTU7641	0	0	0	0	0	0	0	0	0	0	1	0	0	
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OTU408	0	0	0	0	0	0	0	0	0	0	12	0	1	
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OTU4268	0	0	0	0	0	0	0	0	0	0	1	0	0	
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OTU12512	0	0	0	0	0	0	0	0	0	0	1	0	0
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OTU2453	0	0	0	0	0	0	0	0	0	0	4	0	4
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OTU4263	0	0	0	0	0	0	0	0	0	0	1	0	0
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0													
OTU13659	0	0	0	0	0	0	0	0	0	0	1	0	0
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	0												
OTU674	0	0	0	0	0	0	0	0	0	0	28	0	1
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU656	0	0	0	0	0	0	0	0	0	0	4	0	5
	0	0	0	0	0	0	0	0	0	0	0	0	1
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	2	0	1	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	2	0	0	0	0	1	0	0	0	0
	1	0	1	0	1	0	0	0	1	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU12508	0	0	0	0	0	0	0	0	0	0	1	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												

OTU7636 0 0 0 0 0 0 0 0 0 0 1 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
0
OTU15610 0 0 0 0 0 0 0 0 0 0 1 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
0
OTU15609 0 0 0 0 0 0 0 0 0 0 1 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0
0
OTU12509 0 0 0 0 0 0 0 0 0 0 1 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0

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0
OTU7635 0 0 0 0 0 0 0 0 0 0 1 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
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0
OTU7634 0 0 0 0 0 0 0 0 0 0 2 1 1
5 0 0 0 1 0 0 0 0 0 0 0 0 0
0 0 0 1 1 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 1 0
0 0 0 0 0 0 0 0 0 1 0 0 0 0
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0
OTU13695 0 0 0 0 0 0 0 0 0 0 1 0 0
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0 0 0 0 0 0 0 1 1 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU340 0 0 0 0 0 0 0 0 0 0 24 0 6
27 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
0
OTU478 0 0 0 0 0 0 0 0 0 0 40 0 8
0 0 0 0 0 0 0 0 0 0 0 0 0 0
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0
OTU1259 0 0 0 0 0 0 0 0 0 0 2 4 0
4 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 5 0 1 0 0 1 0 0 0 0 0 0 0
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0 0 0 3 0 0 0 0 4 0 0 0 1 0
0 0 0 0 17 0 0 0 1 2 8 0 0 0
0 0 0 0 0 0 0 0 1 0 6 2 1 0
0
OTU4201 0 0 0 0 0 0 0 0 0 0 1 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
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0

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	0	0	0	0	0	0	0	0	1	0	0	0	0
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	23												
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	0												
OTU15611	0	0	0	0	0	0	0	0	0	0	1	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU12510	0	0	0	0	0	0	0	0	0	0	1	0	0
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	0												
OTU9378	0	0	0	0	0	0	0	0	0	0	1	0	1
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	0	2	0	0	0	0	1	0	0	0	0	0	0
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	0	0	0	0	0	0	1	0	1	0	0	0	0

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0 0 0 0 0 0 0 0 0 0 1 0 0 0
0
OTU15607 0 0 0 0 0 0 0 0 0 0 1 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0
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0
OTU12534 0 0 0 0 0 0 0 0 0 0 1 0 0
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OTU7722 0 0 0 0 0 0 0 0 0 0 1 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU4202 0 0 0 0 0 0 0 0 0 0 1 0 0
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0
OTU4203 0 0 0 0 0 0 0 0 0 0 1 0 1
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 1 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
0
OTU3647 0 0 0 0 0 0 0 0 0 0 1 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 6
0 0 0 0 0 0 0 0 0 1 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0
OTU15606 0 0 0 0 0 0 0 0 0 0 1 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
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0

OTU12533	0	0	0	0	0	0	0	0	0	0	1	0	0
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OTU6704	0	0	0	0	0	0	0	0	0	0	2	0	0
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	0												
OTU4087	0	0	0	0	0	0	0	0	0	0	1	0	1
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	0												
OTU4896	0	0	0	0	0	0	0	0	0	0	1	0	0
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	0	0	0	1	0	0	0	0	0	0	0	0	0
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0 1 0 0 0 0 0 0 0 0 0 0 1 0
1 0 0 0 0 0 0 0 0 0 0 0 0 0
0
OTU4199 0 0 0 0 0 0 0 0 0 0 1 0 1
1 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
0
OTU608 0 0 0 0 0 0 0 0 0 0 3 0 1
0 0 0 0 0 2 0 0 0 0 0 0 0 0
0 0 1 0 0 0 0 2 0 0 0 0 0 0
0 1 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 1
0 0 0 0 0 0 0 0 1 0 0 0 0 0
0 0 0 0 0 0 0 0 2 0 0 0 0 16
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0
OTU520 0 0 0 0 0 0 0 0 0 0 1 0 0
0 0 0 1 0 6 0 0 0 1 0 0 0 0
0 0 0 0 0 0 0 0 0 0 1 0 4 0
0 0 7 5 0 0 0 0 0 0 0 0 0 0
0 0 0 2 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 1 0 0 0 0 0
0 1 11 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0
OTU7201 0 0 0 0 0 0 0 0 0 0 1 0 0
1 0 2 8 2 0 0 1 0 0 8 0 0 0
0 3 2 4 4 4 3 0 1 2 5 0 0 4

	0	0	2	1	0	0	0	0	1	0	0	0	0	1
	1	0	1	0	3	1	0	0	0	0	0	2	0	2
	0	0	0	2	0	1	0	1	1	0	2	0	0	0
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	0													
OTU1136	0	0	0	0	0	0	0	0	0	0	1	0	0	
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	0													
OTU4198	0	0	0	0	0	0	0	0	0	0	1	0	0	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU15608	0	0	0	0	0	0	0	0	0	0	1	0	0	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													

OTU7719	0	0	0	0	0	0	0	0	0	0	1	0	0
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	0	0	1	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	1	0	0
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	0												
OTU4200	0	0	0	0	0	0	0	0	0	0	1	0	0
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	0												
OTU3964	0	0	0	0	0	0	0	0	0	0	1	0	0
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	0												
OTU5042	0	0	0	0	0	0	0	0	0	0	3	0	0
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	0	0	0	1	0	0	0	0	0	0	0	1	0

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0 0 0 0 0 0 0 0 0 0 0 0 0 0
0
OTU15599 0 0 0 0 0 0 0 0 0 0 1 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
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0
OTU8095 0 0 0 0 0 0 0 0 0 0 4 0 10
11 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 1 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 1 0 0 0 0 0 0 0 0
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0
OTU8112 0 0 0 0 0 0 0 0 0 0 3 0 1
28 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 6 0 2 0 0 1
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0
OTU12531 0 0 0 0 0 0 0 0 0 0 1 0 0
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	0												
OTU813	0	0	0	0	0	0	0	0	0	0	13	0	6
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	0	0	7	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	8	0	0	0	0	0	4	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU1956	0	0	0	0	0	0	0	0	0	0	4	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	2	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU255	0	0	0	0	0	0	0	0	0	0	7	0	0
	1	0	1	0	0	10	0	10	0	12	2	1	0	0
	1	0	5	0	34	4	0	2	0	0	0	5	0	0
	0	1	0	5	0	0	26	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	0	0	1	5	0	0	1	0	0	0	4	0	0	0
	0	0	65	1	0	0	0	0	7	0	1	0	0	0
	2	0	1	0	0	0	0	0	2	0	0	1	2	0
	0													

OTU417	0	0	0	0	0	0	0	0	0	0	3	0	0
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	0	0	1	2	0	0	0	0	0	5	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU4210	0	0	0	0	0	0	0	0	0	0	1	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU7726	0	0	0	0	0	0	0	0	0	0	1	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU12532	0	0	0	0	0	0	0	0	0	0	1	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0

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0 0 0 0 0 0 0 0 0 0 0 0 0 0
0
OTU4207 0 0 0 0 0 0 0 0 0 0 1 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
0
OTU4206 0 0 0 0 0 0 0 0 0 0 1 0 0
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0
OTU4205 0 0 0 0 0 0 0 0 0 0 2 0 0
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OTU4204 0 0 0 0 0 0 0 0 0 0 1 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0

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0 0 0 0 0 0 0 0 0 0 0 0 0 0
0
OTU15600 0 0 0 0 0 0 0 0 0 0 1 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
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0
OTU7728 0 0 0 0 0 0 0 0 0 0 1 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
0
OTU2599 0 0 0 0 0 0 0 0 0 0 1 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 1
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
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0

OTU11855	0	0	0	0	0	0	0	0	0	0	1	0	0
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0													
OTU16455	0	0	0	0	0	0	0	0	0	0	2	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	3
0	0	0	0	0	0	0	0	0	0	0	0	0	1
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	1	0	1	0	0	0	0	0
2	0	1	0	2	0	1	0	1	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU4208	0	0	0	0	0	0	0	0	0	0	2	0	0
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0													
OTU15959	0	0	0	0	0	0	0	0	0	0	1	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0

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1 0 0 0 0 0 0 0 0 0 0 0 0 0
0
OTU12541 0 0 0 0 0 0 0 0 0 0 1 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
0
OTU12539 0 0 0 0 0 0 0 0 0 0 1 0 0
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OTU12540 0 0 0 0 0 0 0 0 0 0 2 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 1 0 0 0 0 0 0 0 0
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1 0 0 0 0 0 0 0 0 0 0 0 0 0
0
OTU12543 0 0 0 0 0 0 0 0 0 0 1 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0

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	0												
OTU15598	0	0	0	0	0	0	0	0	0	0	1	0	0
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	0												
OTU4189	0	0	0	0	0	0	0	0	0	0	1	0	0
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	0												
OTU1954	0	0	0	0	0	0	0	0	0	0	1	0	0
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	0	0	0	0	0	0	0	1	0	0	0	1	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												

OTU12542 0 0 0 0 0 0 0 0 0 0 1 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
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0
OTU4415 0 0 0 0 0 0 0 0 0 0 1 0 0
0 0 0 0 0 1 0 0 0 0 0 0 0
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1 0 0 0 0 1 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
0
OTU4191 0 0 0 0 0 0 0 0 0 0 1 0 0
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0
OTU7724 0 0 0 0 0 0 0 0 0 0 3 0 0
0 0 1 0 1 0 0 0 0 0 0 0 0 1
0 0 1 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 5 0 0 0 0 0 1 0 0 0
0 0 2 0 0 0 1 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0

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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU16372	0	0	0	0	0	0	0	0	0	0	1	0	0	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1	0	0	1	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU819	0	0	0	0	0	0	0	0	0	0	1	0	5	
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU11207	0	0	0	0	0	0	0	0	0	0	1	0	3	
	5	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	2	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	1	0	1	0	0	0	1	0	1	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	0													
OTU12536	0	0	0	0	0	0	0	0	0	0	1	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU11114	0	0	0	0	0	0	0	0	0	0	1	0	0
0	0	0	0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	1	0	0
0	0	0	0	0	0	1	0	1	0	0	0	2	0
0	2	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	3	0	0
0	0	0	0	7	2	0	10	0	0	0	0	0	1
3													
OTU7712	0	0	0	0	0	0	0	0	0	0	1	0	0
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0													
OTU3309	0	0	0	0	0	0	0	0	0	0	1	0	0
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0	0	0	1	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													

OTU4187	0	0	0	0	0	0	0	0	0	0	1	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU1078	0	0	0	0	0	0	0	0	0	0	1	0	0
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0	0	1	0	1	0	0	1	0	0	0	0	0	2
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	3	0	0	0	0	0	0	0	0	0	0	1
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	2	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	1	0
0													
OTU2150	0	0	0	0	0	0	0	0	0	0	2	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
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1	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU16291	0	0	0	0	0	0	0	0	0	0	1	0	0
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0	0	0	0	0	1	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0

0 0 0 1 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0
OTU12537 0 0 0 0 0 0 0 0 0 0 1 0 0
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0
OTU12538 0 0 0 0 0 0 0 0 0 0 1 0 0
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0
OTU15602 0 0 0 0 0 0 0 0 0 0 1 0 0
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OTU11915 0 0 0 0 0 0 0 0 0 0 1 0 0
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OTU561 0 0 0 0 0 0 0 0 0 0 1 0 0
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OTU7711 0 0 0 0 0 0 0 0 0 0 1 0 0
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OTU7708	0	0	0	0	0	0	0	0	0	0	3	0	0
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	0												
OTU3688	0	0	0	0	0	0	0	0	0	0	1	0	0
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OTU4196	0	0	0	0	0	0	0	0	0	0	1	0	0
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OTU4195 0 0 0 0 0 0 0 0 0 0 1 0 0
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OTU12525 0 0 0 0 0 0 0 0 0 0 1 0 0
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OTU7710 0 0 0 0 0 0 0 0 0 0 1 0 0
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OTU476	0	0	0	0	0	0	0	0	0	0	2	0	0
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OTU7917	0	0	0	0	0	0	0	0	0	0	1	0	0
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OTU11307	0	0	0	0	0	0	0	0	0	0	1	0	0
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OTU4194 0 0 0 0 0 0 0 0 0 0 1 0 0
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OTU4225 0 0 0 0 0 0 0 0 0 0 1 0 0
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OTU12336 0 0 0 0 0 0 0 0 0 0 1 0 2
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OTU15620	0	0	0	0	0	0	0	0	0	0	1	0	0	
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	0													
OTU897	0	0	0	0	0	0	0	0	0	0	1	0	0	
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	0													
OTU2461	0	0	0	0	0	0	0	0	0	0	1	0	3	
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	0													

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OTU15622 0 0 0 0 0 0 0 0 0 0 1 0 0
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OTU7746 0 0 0 0 0 0 0 0 0 0 1 0 3
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OTU6243 0 0 0 0 0 0 0 0 0 0 1 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0

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	0												
OTU718	0	0	0	0	0	0	0	0	0	0	1	0	0
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	0	0	1	0	0	1	0	0	0	6	0	0	0
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	0												
OTU12526	0	0	0	0	0	0	0	0	0	0	1	0	0
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OTU8817	0	0	0	0	0	0	0	0	0	0	1	0	0
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	0												

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OTU15628 0 0 0 0 0 0 0 0 0 0 1 0 0
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OTU4232 0 0 0 0 0 0 0 0 0 0 1 0 0
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OTU4101 0 0 0 0 0 0 0 0 0 0 1 0 0
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OTU15627 0 0 0 0 0 0 0 0 0 0 1 0 0
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OTU4229 0 0 0 0 0 0 0 0 0 0 1 0 0
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OTU2485	0	0	0	0	0	0	0	0	0	0	1	0	1
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OTU12485	0	0	0	0	0	0	0	0	0	0	1	0	0
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	0												
OTU2115	0	0	0	0	0	0	0	0	0	0	1	1	0
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	0	1	0	0	0	0	0	0	1	0	0	0	2

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	0													
OTU7750	0	0	0	0	0	0	0	0	0	0	1	0	0	
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	0													
OTU1354	0	0	0	0	0	0	0	0	0	0	2	0	4	
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	0	2	0	2	0	0	2	1	1	0	1	0	0	0
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	0													
OTU12486	0	0	0	0	0	0	0	0	0	0	1	0	0	
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	0													
OTU13657	0	0	0	0	0	0	0	0	0	0	1	0	0	
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OTU15616 0 0 0 0 0 0 0 0 0 0 1 0 0
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OTU15613 0 0 0 0 0 0 0 0 0 0 1 0 0
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OTU3126	0	0	0	0	0	0	0	0	0	0	1	0	0
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OTU15619	0	0	0	0	0	0	0	0	0	0	1	0	0
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OTU4309 0 0 0 0 0 0 0 0 0 0 1 0 0
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OTU7691	0	0	0	0	0	0	0	0	0	0	1	0	0	
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OTU15684	0	0	0	0	0	0	0	0	0	0	1	0	0
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OTU4160	0	0	0	0	0	0	0	0	0	0	1	0	0
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OTU12478	0	0	0	0	0	0	0	0	0	0	1	0	0
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OTU15683	0	0	0	0	0	0	0	0	0	0	1	0	0
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OTU818	0	0	0	0	0	0	0	0	0	0	0	5	0
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OTU14314	0	0	0	0	0	0	0	0	0	0	0	1	0
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OTU7687	0	0	0	0	0	0	0	0	0	0	0	1	0	
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OTU1165	0	0	0	0	0	0	0	0	0	0	0	2	0	
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OTU12498	0	0	0	0	0	0	0	0	0	0	0	1	0	
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OTU2440 0 0 0 0 0 0 0 0 0 0 0 1 1
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OTU12328 0 0 0 0 0 0 0 0 0 0 0 1 0
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OTU1630	0	0	0	0	0	0	0	0	0	0	0	1	6
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OTU12883	0	0	0	0	0	0	0	0	0	0	0	1	0
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OTU5793	0	0	0	0	0	0	0	0	0	0	0	2	4
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OTU12500	0	0	0	0	0	0	0	0	0	0	0	1	0
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OTU4319	0	0	0	0	0	0	0	0	0	0	0	1	0
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OTU13264	0	0	0	0	0	0	0	0	0	0	0	1	0
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OTU14072	0	0	0	0	0	0	0	0	0	0	0	1	3
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OTU7689	0	0	0	0	0	0	0	0	0	0	0	1	0
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OTU4320	0	0	0	0	0	0	0	0	0	0	0	1	0
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OTU1499	0	0	0	0	0	0	0	0	0	0	0	1	1
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0	1	0	0	0	0	0	0	0	1	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													

OTU12501	0	0	0	0	0	0	0	0	0	0	0	1	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU16730	0	0	0	0	0	0	0	0	0	0	0	1	1
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	0	0	1	0	0	0	0	0	0	0	0	0	0
	0	0	0	1	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU4324	0	0	0	0	0	0	0	0	0	0	0	1	0
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	0												
OTU12969	0	0	0	0	0	0	0	0	0	0	0	1	1
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0													
OTU11975	0	0	0	0	0	0	0	0	0	0	0	2	2
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0	5	0	0	0	1	2	0	0	0	0	0	0	0
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0													
OTU2414	0	0	0	0	0	0	0	0	0	0	0	1	1
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU15679	0	0	0	0	0	0	0	0	0	0	0	1	0
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0													
OTU7703	0	0	0	0	0	0	0	0	0	0	0	1	0
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OTU386	0	0	0	0	0	0	0	0	0	0	0	1	0
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	1	0	0	0	0	0	0	0	0	0	1	1	0
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	5												
OTU12493	0	0	0	0	0	0	0	0	0	0	0	1	0
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OTU4313	0	0	0	0	0	0	0	0	0	0	0	1	0
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OTU822 0 0 0 0 0 0 0 0 0 0 0 2 0
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OTU7697 0 0 0 0 0 0 0 0 0 0 0 1 0
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OTU3981	0	0	0	0	0	0	0	0	0	0	0	1	0
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	0	0	1	0	1	0	0	0	0	0	0	0	0
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OTU1156	0	0	0	0	0	0	0	0	0	0	0	2	0
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OTU12349	0	0	0	0	0	0	0	0	0	0	0	1	0
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OTU610	0	0	0	0	0	0	0	0	0	0	0	1	0
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	0													
OTU16812	0	0	0	0	0	0	0	0	0	0	0	1	0
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OTU629 0 0 0 0 0 0 0 0 0 0 0 1 0
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OTU458	0	0	0	0	0	0	0	0	0	0	0	1	0	
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OTU3064	0	0	0	0	0	0	0	0	0	0	0	1	0	
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188
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OTU15665	0	0	0	0	0	0	0	0	0	0	0	1	0
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OTU2480 0 0 0 0 0 0 0 0 0 0 0 1 0
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OTU1012	0	0	0	0	0	0	0	0	0	0	0	0	7	
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OTU3789	0	0	0	0	0	0	0	0	0	0	0	0	1
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												

OTU15662	0	0	0	0	0	0	0	0	0	0	0	0	1
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU14865	0	0	0	0	0	0	0	0	0	0	0	0	1
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	1	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	1	0	0	0	3
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	0												
OTU4293	0	0	0	0	0	0	0	0	0	0	0	0	1
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	0												
OTU4125	0	0	0	0	0	0	0	0	0	0	0	0	2
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0													
OTU13520	0	0	0	0	0	0	0	0	0	0	0	0	1	
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	0													
OTU13113	0	0	0	0	0	0	0	0	0	0	0	0	1	
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OTU191	0	0	0	0	0	0	0	0	0	0	0	0	1	
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	0													
OTU4112	0	0	0	0	0	0	0	0	0	0	0	0	1	
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	0												
OTU12351	0	0	0	0	0	0	0	0	0	0	0	0	1
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	0												
OTU4129	0	0	0	0	0	0	0	0	0	0	0	0	2
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	0	0	0	0	0	0	1	0	0	0	0	0	1
	0	0	0	0	0	0	0	0	0	1	0	0	1
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	0												
OTU1900	0	0	0	0	0	0	0	0	0	0	0	0	4
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	0												

OTU11986	0	0	0	0	0	0	0	0	0	0	0	0	2
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	0												
OTU940	0	0	0	0	0	0	0	0	0	0	0	0	2
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	0	1	0	1	0	0	0	0	0	0	0	28	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU3885	0	0	0	0	0	0	0	0	0	0	0	0	2
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	0	2	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	3	0	0	0	0	0	0	0	0	0
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	0												
OTU4114	0	0	0	0	0	0	0	0	0	0	0	0	2
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OTU12350 0 0 0 0 0 0 0 0 0 0 0 0 1
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OTU15672 0 0 0 0 0 0 0 0 0 0 0 0 1
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OTU10298 0 0 0 0 0 0 0 0 0 0 0 0 1
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OTU4110 0 0 0 0 0 0 0 0 0 0 0 0 1
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OTU4111 0 0 0 0 0 0 0 0 0 0 0 0 1

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OTU5311	0	0	0	0	0	0	0	0	0	0	0	0	1
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	0												
OTU15671	0	0	0	0	0	0	0	0	0	0	0	0	1
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OTU8066	0	0	0	0	0	0	0	0	0	0	0	0	1
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OTU4345 0 0 0 0 0 0 0 0 0 0 0 0 1
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OTU6400 0 0 0 0 0 0 0 0 0 0 0 0 1
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OTU4120 0 0 0 0 0 0 0 0 0 0 0 0 1
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OTU562 0 0 0 0 0 0 0 0 0 0 0 0 1
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1 0 0 0 3 0 0 0 0 1 0 0 1 0

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OTU12352	0	0	0	0	0	0	0	0	0	0	0	0	0	1
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OTU4116	0	0	0	0	0	0	0	0	0	0	0	0	0	1
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OTU12354	0	0	0	0	0	0	0	0	0	0	0	0	0	1
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	0													

OTU13829	0	0	0	0	0	0	0	0	0	0	0	0	1
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	0												
OTU12353	0	0	0	0	0	0	0	0	0	0	0	0	1
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	0												
OTU15676	0	0	0	0	0	0	0	0	0	0	0	0	1
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU172	0	0	0	0	0	0	0	0	0	0	0	0	3
	0	0	0	135	0	0	0	0	187	0	3	0	3	0
	0	120	0	0	47	0	8	2	0	0	12	0	0	0
	0	0	25	0	5	0	0	0	100	31	1	3	1	0
	43	0	11	0	9	45	21	37	48	21	170	8	1	3
	106	0	0	0	0	0	0	7	0	0	0	1	0	0

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OTU479 0 0 0 0 0 0 0 0 0 0 0 0 1
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OTU4105 0 0 0 0 0 0 0 0 0 0 0 0 1
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OTU8041 0 0 0 0 0 0 0 0 0 0 0 0 1
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OTU5230 0 0 0 0 0 0 0 0 0 0 0 0 1
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OTU15675 0 0 0 0 0 0 0 0 0 0 0 0 1
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OTU15674 0 0 0 0 0 0 0 0 0 0 0 0 1
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OTU3173 0 0 0 0 0 0 0 0 0 0 0 0 1
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OTU8042	0	0	0	0	0	0	0	0	0	0	0	0	1
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OTU16348	0	0	0	0	0	0	0	0	0	0	0	0	1
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OTU9326 0 0 0 0 0 0 0 0 0 0 0 0 1
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OTU929 0 0 0 0 0 0 0 0 0 0 0 0 2
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0 0 0 0 0 0 0 0 0 0 0 0 9 0
2 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU8040 0 0 0 0 0 0 0 0 0 0 0 0 1
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OTU14075 0 0 0 0 0 0 0 0 0 0 0 0 1
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OTU8908	0	0	0	0	0	0	0	0	0	0	0	0	1
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OTU4109	0	0	0	0	0	0	0	0	0	0	0	0	1
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OTU8046	0	0	0	0	0	0	0	0	0	0	0	0	1
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	0													

OTU16030	0	0	0	0	0	0	0	0	0	0	0	0	1
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0													
OTU16044	0	0	0	0	0	0	0	0	0	0	0	0	1
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0	0	16	0	1	0	0	0	8	0	0	0	13	0
11	0	6	0	0	1	5	1	0	4	0	0	0	1
2	0	0	0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	1	0	0	0	0	5
0	0	0	0	0	0	0	0	0	0	0	1	0	0
0													
OTU4106	0	0	0	0	0	0	0	0	0	0	0	0	1
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0													
OTU12325	0	0	0	0	0	0	0	0	0	0	0	0	1
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OTU2679 0 0 0 0 0 0 0 0 0 0 0 0 4
39 0 0 0 0 1 0 0 0 0 0 0 0 0
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OTU12327 0 0 0 0 0 0 0 0 0 0 0 0 1
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OTU8044 0 0 0 0 0 0 0 0 0 0 0 0 1
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OTU12777 0 0 0 0 0 0 0 0 0 0 0 0 2
0 0 0 0 0 0 0 0 0 10 0 0 0 0
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OTU4132 0 0 0 0 0 0 0 0 0 0 0 0 1
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OTU8033 0 0 0 0 0 0 0 0 0 0 0 0 1
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OTU15670	0	0	0	0	0	0	0	0	0	0	0	0	2
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OTU4763	0	0	0	0	0	0	0	0	0	0	0	0	1
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OTU13890	0	0	0	0	0	0	0	0	0	0	0	0	1
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	0												

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4													
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OTU2765	0	0	0	0	0	0	0	0	0	0	0	0	1
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OTU8665	0	0	0	0	0	0	0	0	0	0	0	0	1
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0													
OTU12326	0	0	0	0	0	0	0	0	0	0	0	0	1
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OTU4137 0 0 0 0 0 0 0 0 0 0 0 0 1
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OTU9191 0 0 0 0 0 0 0 0 0 0 0 0 1
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OTU15669 0 0 0 0 0 0 0 0 0 0 0 0 1
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	0												
OTU220	0	0	0	0	0	0	0	0	0	0	0	0	1
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OTU8924	0	0	0	0	0	0	0	0	0	0	0	0	1
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	0												
OTU4135	0	0	0	0	0	0	0	0	0	0	0	0	1
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OTU9286 0 0 0 0 0 0 0 0 0 0 0 0 1
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OTU15966 0 0 0 0 0 0 0 0 0 0 0 0 1
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OTU8037 0 0 0 0 0 0 0 0 0 0 0 0 1
1 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU734	0	0	0	0	0	0	0	0	0	0	0	0	1
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OTU627	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU15961	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU934	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU15960		0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU7493		0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU5969		0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4093		0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU6613	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU12338	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU16080	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												

OTU4090	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU8047	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU4091	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU4092	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU1913	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU16560	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4798	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU577	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4164	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4758	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													

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OTU8049	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4076	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4079	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4078	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU12337	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU2830	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4073	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4097 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15963	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4075	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4074	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU7428	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU16525	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4083	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU10651	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU9267	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU4080	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU7422	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	3	0	0	0	0	0	0	0	0	0	0	0
0													

OTU8103	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU5444	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	1	0	0	0	0	0	0	1	2	0	0	0	0
0													
OTU8102	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU4082	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU9165 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU16519 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU8101 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11183 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 2

0

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OTU1493	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU4100	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU3887	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU12333	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU6516	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU12332	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4104	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	1	0	0	0	0	1	0	0	0	0
	0	0	0	0	0	0	0	0	1	0	1	0	0
	1												
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	0												
OTU11056	0	0	0	0	0	0	0	0	0	0	0	0	0
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	2	0	0	0	0	0	0	0	0	0	1	0	1
	0												
OTU8105	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU15976	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												

OTU14338	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU12381	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU13084	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU8104	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU15972	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU636	0	0	0	0	0	0	0	0	0	0	0	0	0
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	3	0	0	0	0	8	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	1	0	0	0
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	0	3	0	0	8	0	12	0	0	0	0	0	0	1
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OTU12382	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU8096	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU442	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	8	1	0	1	0	1	0	0	0	1	0	2
0	1	0	0	0	0	0	0	0	0	1	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU12379	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4103	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU924	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU6900	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU4095	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU13956	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU6221	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU12380	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU7017	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU15970	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													

OTU15580	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU15971	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU8094	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU15975	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU11203	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4168	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4173	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU12374	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4178	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4883	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU15954	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU12375	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU11751	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU12377	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU8113	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU15953	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												

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OTU4165	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU11972	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU4162	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU584 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU12390 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU12389 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU4167	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU338	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU15951	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU10943 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU12393 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15952 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU7324 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0

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	0												
OTU530	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	28	0	13	2	1	0	0	2	0	1
	5													
OTU15950	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0													
OTU12392	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0													

OTU342	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	3	0	0	1	0	5	8	4	0	84	0	3	0
12	0	0	1	0	15	0	1	0	1	0	0	0	1
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0	0	0	0	0	0	0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	0	0	0	0	3	0	0
0	3	0	1	56	0	21	5	1	0	0	5	0	20
12													
OTU8081	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU471	0	0	0	0	0	0	0	0	0	0	0	0	0
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13	0	0	0	0	6	0	0	0	1	0	0	0	0
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0	5	0	0	19	0	11	7	0	0	0	3	0	5
3													
OTU440	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU4183	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU94	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	126	0	0	0	0	2	0	0	0	0	0	0
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	0	0	5	0	0	0	0	0	0	1412	2	0	0	0
OTU15958	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU12384	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU8078 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU4186 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU8080	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU8079	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU10378	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4185	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU8084 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU979 0 0 0 0 0 0 0 0 0 0 0 0 0
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2
OTU1937 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU9634	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU452	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU904	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU827	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU12767	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU2796	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4804	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU15956	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU16016 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU16015 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU8087	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4139 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU771	0	0	0	0	0	0	0	0	0	0	0	0	0
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3													
OTU12362	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													

OTU812	0	0	0	0	0	0	0	0	0	0	0	0	0
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	3													
OTU4149	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU787	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	1													
OTU2828	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0 0 0 0 0 0 0 0 0 1 0 0 0 0

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0 1 0 0 0 0 0 0 0 0 0 0 0 0

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OTU13457	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4153	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU16010	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4152	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU1187	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU12371 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU7944	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU16012	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU12372 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU7946 0 0 0 0 0 0 0 0 0 0 0 0 0
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	0												

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	0												
OTU11626	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU11647	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU15979	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4548	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU7913 0 0 0 0 0 0 0 0 0 0 0 0 0
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9 0 1 0 0 0 0 22 0 0 0 2 0 0
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OTU16006 0 0 0 0 0 0 0 0 0 0 0 0 0
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	0	0	6	0	0	0	0	0	0	0	0	1	0
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	1												
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OTU5375 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU465 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU10288 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15997	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU3986	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4621	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													

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OTU13005	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
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	0												
OTU11612	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU11611 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU7927 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU7928 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU1125 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU13130 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU1105	0	0	0	0	0	0	0	0	0	0	0	0	0
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1													
OTU7929	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU7461	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU7926 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15999 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU975	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU782	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU1571	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU605 0 0 0 0 0 0 0 0 0 0 0 0 0
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7 0 0 0 0 6 0 0 0 0 0 0 0 0
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OTU15998	0	0	0	0	0	0	0	0	0	0	0	0	0	
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OTU3146	0	0	0	0	0	0	0	0	0	0	0	0	0	
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OTU7921	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	0													
OTU11613	0	0	0	0	0	0	0	0	0	0	0	0	0	
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0
OTU4513 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU3232	0	0	0	0	0	0	0	0	0	0	0	0	0
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1													
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OTU1197 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15876 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU8019 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU6611 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU16072	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4620	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU10034 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2129	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4613 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU4617 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU4618	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU11615	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU12911	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												

OTU529	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU8030	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU16185	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4581	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU16637 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU4578 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11716	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU8029	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU4582	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU11720 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15882 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU4583 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15880 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11721 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15881 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU8027 0 0 0 0 0 0 0 0 0 0 0 0 0
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	0												
OTU8026	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU15850	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU9018	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU7987 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU7988 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU4566 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15851 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15901 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11706	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU4563	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	1	0	0	0	0	0	0	0	0
	0	0	0	0	0	2	0	0	0	0	0	0	0
	0	0	1	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU7985	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU15848	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU7986 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11704 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU6030 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU7983 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11700 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU4564	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU11701	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU9071	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	2	0	0	0	0	0	0	1	0	0	0	1
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	1	0	0	0	0	0	0	0	1	0	0	0
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	0												
OTU7984	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU3974 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15847 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15854 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU4575 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU8000	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU11971	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	1	0	0	0	0	0	0	0	0	0	0
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1	0	0	0	0	0	0	0	0	0	0	0	0	1
0	1	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU7999	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU13693	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU7998 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU4577 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU7997 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11743 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11745 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU4591	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU3830	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4588 0 0 0 0 0 0 0 0 0 0 0 0 0
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2													
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OTU15861	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4371	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU4372	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU11543	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU1409	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU16545	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4325 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU4326 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11544 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU397 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 1 0 0 0 0 0 0 0
4 0 0 0 0 0 0 0 0 0 0 0 2 0

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	5													
OTU6500	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU8757	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU11541	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU9231 0 0 0 0 0 0 0 0 0 0 0 0 0
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6 1 0 0 0 0 0 0 0 0 0 0 0 0
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0 7 2 0 0 0 0 1 0 2 1 1 0 8
6

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OTU15933 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU593 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU737	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	1	0	0	0	1	0	1	0	0	0	0	0	0
	0													
OTU830	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0													
OTU2904	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0 0 0 0 0 0 0 0 0 0 0 1 0 0
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OTU9233 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2958 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU4077 0 0 0 0 0 0 0 0 0 0 0 0 0
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1

OTU11545 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11546 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU4365 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU10457 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 2 0 1 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 2 0
0 0 1 0 0 0 0 0 0 0 0 0 0 0

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	0													
OTU13555	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	0													
OTU252	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	1	0	0	0	0	0	0	0	0	0	0	0	2	0
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	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	0													
OTU575	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	1	0	0	0	0	0	0	5	0	0	0	1	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	0	0	0	1	0	3	0	1	0	0	0	0	0	0
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	1													
OTU788	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	0												
OTU3880	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU5806	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU15896	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												

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OTU2313	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
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0													
OTU9129	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU15352	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU8688	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU11586	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU9102	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU3362	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	1	0	0	0	0	0	0	0	0	0	0
0													
OTU9100	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU15163 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU9169 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU9170 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15165 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU9037 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15164 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU3735 0 0 0 0 0 0 0 0 0 0 0 0 0
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	0												
OTU4832	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	1	0
	0												
OTU15169	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU9171	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU5729 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15168 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15171 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU9156 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU984 0 0 0 0 0 0 0 0 0 0 0 0 0
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	0	0	0	0	0	0	0	0	0	0	1	0	0
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	0												
OTU9157	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU11905	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU3764	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU3763 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU12620 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15167 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11907 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU3758 0 0 0 0 0 0 0 0 0 0 0 0 0
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0													
OTU9154	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU1095	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU3760	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU3762 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2034 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU9533 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11965 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU1277 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU3559	0	0	0	0	0	0	0	0	0	0	0	0	0	
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OTU11801	0	0	0	0	0	0	0	0	0	0	0	0	0	
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OTU4540	0	0	0	0	0	0	0	0	0	0	0	0	0	
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OTU1161	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU3560	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU3596	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU11940	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU3561 0 0 0 0 0 0 0 0 0 0 0 0 0
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0													
OTU16586	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU11993 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2226	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU15139	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU3587 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU3588 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11998 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU9537 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15157 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 1 0
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OTU15156 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU3589 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 1 0
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OTU3590 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 1 0
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OTU612 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0

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0	2	0	0	0	0	0	0	0	0	0	0	0	0
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0	1	0	0	1	1	4	3	0	4	0	0	0	0
0													
OTU11982	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU15159	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU3582	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	1	0	1	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													

OTU11752 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 1 0
2 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
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0
OTU3581 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 1 0
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OTU9538 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 1 0
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OTU11984 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU10683 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11983 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 1 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU9539 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 1 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15160 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0

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OTU11987 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15161 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU3579 0 0 0 0 0 0 0 0 0 0 0 0 0
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0

OTU3580	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU11868	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	1	0	0	0	0
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	0												
OTU10215	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	1	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1	0	0	0
	0												
OTU916	0	0	0	0	0	0	0	0	0	0	0	0	0
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	1	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	2	0	0	0	0	0	0	0	0	0	0

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0 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU4869 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 1 0
0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU13873 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 1 1
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0 0 0 0 0 0 0 1 0 0 0 0 0
0 0 1 0 1 0 0 0 0 1 0 1 0 1
0 0 1 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU3583 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 1 0
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OTU15150 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 1 0
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OTU15151 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 1 0
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OTU11985 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 1 0
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OTU15152 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 1 0
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0

OTU3465	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	1	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	2	0	0	0	0	0	0	0
	0	0	0	1	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU9534	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	1	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU15149	0	0	0	0	0	0	0	0	0	0	0	0	0
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	1	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU3511	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0

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0 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15148 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 1 0
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OTU3512 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11942 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 1 0
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OTU9535 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 1 1 0 0

0

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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU786	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	2	1	0	1	0
	0	0	0	0	1	0	5	2	1	1	1	0	0	2
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	2	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	0												
OTU3507	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU6247	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	0	0	0	0	0	0	0	0	2	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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OTU13606 0 0 0 0 0 0 0 0 0 0 0 0 0
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1 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11941 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 1 0
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OTU15154 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU3509 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2593 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11945 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU13487 0 0 0 0 0 0 0 0 0 0 0 0 0
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2 0 0 0 0 0 0 0 0 0 0 0 0 0

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OTU11944 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU3515 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU12982 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15234 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU9500 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU3501 0 0 0 0 0 0 0 0 0 0 0 0 0

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OTU9502 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11934 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15235 0 0 0 0 0 0 0 0 0 0 0 0 0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU980	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	0	1	1	0	0	0	0	1	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	1	0
	0	0	1	0	0	0	0	1	0	0	0	38	0
	5	0	2	0	3	0	4	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU3497	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	1	0	0	0	0	0	0	0	0	0
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	0												
OTU3498	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU2261 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 1 0
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OTU15237 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU3499 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 1 0
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OTU6327 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 1 0 0 0 0 0 0
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OTU9501 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 1 0
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OTU11937 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11938 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 1 0
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0

OTU534	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	34	0	0
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	0												
OTU11936	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU11939	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU9503	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU3504 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU6060 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 1 0 0 0 0 0 0 0 0 0 0 0
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OTU15110 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU9495 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU13498 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 1 0
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0 0 0 0 0 0 0 0 0 0 0 0 0
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0 1 0 0 0 0 0 0 0 0 0 0 0
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OTU3503 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11935 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 1 0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU9497	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU3505	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU3085	0	0	0	0	0	0	0	0	0	0	0	0	0
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	2	0	0	0	0	0	0	0	0	35	0	0	0
	0	0	0	1	0	0	0	0	0	0	0	1	0
	1	0	0	0	1	1	0	0	0	0	0	0	0
	0	1	0	0	0	0	0	1	0	0	0	3	0	0

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0 0 1 0 0 0 0 0 1 0 0 0 0 1

0

OTU9496 0 0 0 0 0 0 0 0 0 0 0 0 0

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	0												
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0 0 0 0 0 0 0 0 0 0 0 1 0 0

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0													
OTU1167	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													

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	0													
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	0													
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OTU9576 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU9577 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU9575 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15201 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15199 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11780 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11779 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11778 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11800	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU12665	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU9595	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU11802	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU840 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15226	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU3611	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU11803	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU15223	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU15225 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU3346 0 0 0 0 0 0 0 0 0 0 0 0 0
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2 0 0 0 0 0 1 0 0 0 0 0 0 0
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OTU7435 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU3598 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU9547 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU3600 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU9548 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU1094 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15220 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU680 0 0 0 0 0 0 0 0 0 0 0 0 0
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1

OTU15219	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU628	0	0	0	0	0	0	0	0	0	0	0	0	0
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29													
OTU15218	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU9546	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0

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0 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11795 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU16418 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU9933 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU8972 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU6531 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU5122 0 0 0 0 0 0 0 0 0 0 0 0 0
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7 1 0 0 0 0 0 0 0 0 0 0 3 0
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OTU11796 0 0 0 0 0 0 0 0 0 0 0 0 0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU3594	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU865	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	3	7	0	4	5	0	4	1	1	6
1	7	1	0	0	0	0	2	0	0	0	0	0	0
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0	9	10	20	44	100	35	13	6	0	0	0	0	1
16													
OTU9550	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU12923 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU3593 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15221 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU951 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15222 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11756 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15497 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU9542	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU3398	0	0	0	0	0	0	0	0	0	0	0	0	0
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1	0	0	0	0	0	0	0	0	0	0	0	2	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU6687	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	1	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0	0	0	0
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0													
OTU11754	0	0	0	0	0	0	0	0	0	0	0	0	0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15493 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU9553	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU11772	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU3604	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU9560	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU5830 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU3605 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU3985 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU9556 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU9555 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU9557	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU2787	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	2	0	3	0	3	0	0	1	0	0	0	4
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0													
OTU15506	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU11758 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU9412	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU2074	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU9411 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15505 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15501 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11761	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU9416	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU11764	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU6589 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU9406 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU6562 0 0 0 0 0 0 0 0 0 0 0 0 0

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0 0 0 0 0 0 0 0 0 0 0 0 0 0

0

OTU15504	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU15503	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU10073	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU9405	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU3982 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11869 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU4001 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU5780 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU599 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU9410 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU13301 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 3 0 0 0 0 0 0 0 0 0 0 0
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1
OTU15459 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11862 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 1 0 0 0 0 0 0 0 0 0 0 0 0

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12
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0 1 0 0 0 0 0 0 0 0 0 0 0 0
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	0												
OTU15462	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU12623	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU15466	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU9423 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11860 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15465 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 1 0 0 0 0 0 0 0 0 1 0 0 0

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OTU9422 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 1 0 0 0 0 0 0 0 0 0 0 0 0
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OTU13667 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 1 0 0 0 0 1 0 0 0 0 0 0 0
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OTU11864 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 1 0 0 0 0 0 0 0 0 0 0 0 0
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0

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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU3991	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU3992	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	1	0	0	0	0	0
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	0												
OTU15454	0	0	0	0	0	0	0	0	0	0	0	0	0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11863 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 2 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11877 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 1 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 1 0 0 0 1 0 0 0 0 0
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OTU11876 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 1 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU14032 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 1 0 0 1 0 0 0 0 0 0 0 2 0

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	0	0	0	0	0	0	0	2	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU3994	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0													
OTU15453	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU3996	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													

OTU3998	0	0	0	0	0	0	0	0	0	0	0	0	0
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1	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU3999	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU11878	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU3997	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU11874 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 1 0 0 0 0 0 0 0 0 0 0 0 0
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0 1 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11875 0 0 0 0 0 0 0 0 0 0 0 0 0

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OTU15455	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU11880	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU5705	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU3950 0 0 0 0 0 0 0 0 0 0 0 0 0
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	1												
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OTU3946	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU3955	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU9371	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU15485	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU3952	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU3938 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU9373 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU9379 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU14740	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU3936	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU11872	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU15475 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15523	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU9483	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU1572	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU15544 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15542	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												

OTU13059	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU8693	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU6074	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU8858	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4029 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15402	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU4853	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU13060	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4025 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15403 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU990	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU9439	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU13058	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU9440 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU8774	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU13070 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15401 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15412 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15411 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU7122	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU8772	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU3476	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU15413 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU13063	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU3866	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4134 0 0 0 0 0 0 0 0 0 0 0 0 0
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	0												
OTU1570	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU3871	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU8797 0 0 0 0 0 0 0 0 0 0 0 0 0
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1	0	0	0	0	0	0	0	0	0	21	0	0	0
0													
OTU494	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	2	0	0	12	0	0	0
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OTU271	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	1	0	0	0	0	0	0	39	0	0	0
2													
OTU661	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	11	0	0	0	0	0	0	0
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0													

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0	0	0	0	0	0	0	0	0	0	22	0	0	0
0													
OTU13128	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	1	0	0	0	1	0	0	0	0	1	0	0
0	0	0	0	0	0	0	0	0	0	20	0	0	0
1													
OTU3119	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	13	0	0	0
0													
OTU644	0	0	0	0	0	0	0	0	0	0	0	0	0
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0 0 0 0 0 0 0 0 0 0 1 0 0 0
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OTU5912 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU1059 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 4 0 0 0 0 0 0 0

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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU736	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU434	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	11	0	0	0
0													
OTU624	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	21	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	3	0	0	0
0													

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0 0 0 0 0 0 0 0 0 0 0 75 0 0
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0 0 0 0 0 0 1 0 0 0 2 0 0 0
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0 0 0 0 2 0 0 0 0 0 0 1 0 0
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OTU1052 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 5 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 10 0 0
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OTU463 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 22 0 0 0 0 0 0 0

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OTU4659	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU1030	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													

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	1	0	0	0	0	0	0	0	0	4	0	0	0
	0												
OTU16043	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU859	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU874	0	0	0	0	0	0	0	0	0	0	0	0	0
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0 0 0 0 0 0 0 0 0 0 1 0 0 0
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OTU8975 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 1 0 0 0 0 0 1 0
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OTU8767 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU13123 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 1 0 0 0 0 0 0 0
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OTU696 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 10 0 0 0 0 0 0 0

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1	0	0	0	0	0	0	0	0	0	5	0	0	0
1													
OTU721	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU6585	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	2	0	0
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0													
OTU741	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	2	0	0	0
0													

OTU590	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU601	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	38	0	0
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	1												
OTU16642	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU16149	0	0	0	0	0	0	0	0	0	0	0	0	0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU909 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 8 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 25 0 0
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OTU3828 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 5 0 0
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OTU3908 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 8 0 0
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OTU15390 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU8391 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU13126 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU13127	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU672 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15438 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU724 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU3924	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU8838	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU12900 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU3917 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2763	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU8293	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU13118 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU3901 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU1060	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU809	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU8839	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4689 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU3910 0 0 0 0 0 0 0 0 0 0 0 0 0
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	0	2	0	0	0	0	0	0	0	0	2	0	0	0
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OTU8828	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU15435	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0													
OTU4666	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU7477 0 0 0 0 0 0 0 0 0 0 0 0 0
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	0													
OTU3902	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU3926	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU14316	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
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OTU9067	0	0	0	0	0	0	0	0	0	0	0	0	0	
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OTU4711	0	0	0	0	0	0	0	0	0	0	0	0	0	
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OTU12985	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	0												
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	0												

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	0												
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OTU5350	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU8652	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU5915	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU938	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU8702	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU16608	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU13001	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU16610 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU16609 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU973	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												

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OTU5433	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU5437	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU785	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU16603	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU5439 0 0 0 0 0 0 0 0 0 0 0 0 0
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0													
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0													

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OTU16613 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU945	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU5376 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU8675	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU8676	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU16616	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU13298 0 0 0 0 0 0 0 0 0 0 0 0 0
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	0													
OTU16615	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0													
OTU5373	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU9793	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0													

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OTU5370	0	0	0	0	0	0	0	0	0	0	0	0	0
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1													
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OTU8932	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU8925	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU13368	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU5142 0 0 0 0 0 0 0 0 0 0 0 0 0
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	0												
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OTU5217	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4802	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU13360	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU8997 0 0 0 0 0 0 0 0 0 0 0 0 0
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	0												
OTU8998		0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU16538		0	0	0	0	0	0	0	0	0	0	0	0
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OTU339		0	0	0	0	0	0	0	0	0	0	0	0
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	0	15	1	0	2	0	0	0	0	1	0	1	0	0
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	1													

OTU16535	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	
0													
OTU1209	0	0	0	0	0	0	0	0	0	0	0	0	0
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1	0	0	1	0	0	0	0	0	0	0	0	0	
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OTU2216	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU1106	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU5590	0	0	0	0	0	0	0	0	0	0	0	0	0	
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OTU9005	0	0	0	0	0	0	0	0	0	0	0	0	0	
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OTU9007	0	0	0	0	0	0	0	0	0	0	0	0	0	
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OTU16536	0	0	0	0	0	0	0	0	0	0	0	0	0	
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OTU1441	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU1879	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU745	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU717	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU13756 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU13350 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU16529 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU368	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU8995	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													

OTU12763	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU5248	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU5251	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU5252	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU8996 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU13192 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU16500		0	0	0	0	0	0	0	0	0	0	0	0
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OTU13195		0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU6814		0	0	0	0	0	0	0	0	0	0	0	0
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	0												

OTU9013	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU9012	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU11286	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU16499	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU16502 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU5242 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU8379 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU9011 0 0 0 0 0 0 0 0 0 0 0 0 0
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	0												
OTU13604	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU13187 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU5246		0	0	0	0	0	0	0	0	0	0	0	0
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OTU12586		0	0	0	0	0	0	0	0	0	0	0	0
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OTU9008 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU9010 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU8922		0	0	0	0	0	0	0	0	0	0	0	0
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OTU13200		0	0	0	0	0	0	0	0	0	0	0	0
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OTU639	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU5598	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU5594	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU9009 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU16509 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU5596 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU8882 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU5585 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU16505 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU6666 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU13197 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU14222	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
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2													
OTU5587	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU5588 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2388 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU16503 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU5605 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU8876 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU8875 0 0 0 0 0 0 0 0 0 0 0 0 0
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0													
OTU5604	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU13199	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU5609	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	

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OTU8879 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU8880 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU8877 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU5607 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU16755 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU8878 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU5608 0 0 0 0 0 0 0 0 0 0 0 0 0
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	0	1	0	0	0	0	0	0	0	0	0	1	0
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	0	0	0	0	0	0	0	0	0	0	0	1	0
	0												
OTU5606	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	1	0	0	0	0	0	1	0	0	0	0	0
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	0												
OTU16824	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU8888	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	6	0	0	0	0	0	0	0	0	0	0	0
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OTU5601 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU5600 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU13180 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU5602 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU8887 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU3456	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	1	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	1	0
	0	0	0	2	0	0	0	0	0	0	0	0	0
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	0												
OTU10633	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	1	0	0	0	0	0	0	1
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	1	0	0	0	0	0	1	0
	0												
OTU13179	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0

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OTU16756 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU10328 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU8884 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU8886	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU13185	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU5573 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU5566	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU16769	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU7020	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU8856 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU16762	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU8849	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU5584 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU16766	0	0	0	0	0	0	0	0	0	0	0	0	0
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	30												
OTU8914	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	1	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU13208	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	1	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												

OTU3320	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	1	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	1	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	1	0
	0												
OTU13209	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	1	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU16814	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	1	0	0	0	0	0	0	0	0	0
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	0												
OTU16813	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU5610	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
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OTU7366	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	1	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4873	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU5052	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													

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OTU16107	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU13795	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	
0													
OTU16094	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	
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0	0	0	0	0	0	0	0	0	0	0	0	0	
0	1	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	

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OTU12838 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU6447 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU6446 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 1 0 0 0 0 0 0 0 0 0 0 0 0
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OTU16086 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 1 0 0 0 0 0 0 0 0 0 0 0 0
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OTU5046 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU5047 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU6449 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 1 0 0 0 0 0 0 0 0 0 0 0 0
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0

OTU6448	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU16085	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU12836	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU12837	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0

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OTU6444 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU12834 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU6443 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU12835 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU12818 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU16081 0 0 0 0 0 0 0 0 0 0 0 0 0
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0

OTU12819	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU16082	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU12822	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU13692	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0

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0 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU12820 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU12821 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU16084 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU6454 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU16083 0 0 0 0 0 0 0 0 0 0 0 0 0

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0 0 0 0 0 0 0 0 0 0 0 0 0 0

0

OTU6452	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU5031	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU6455	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU5033	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0

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OTU12817 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 1 0 0 0 0 0 0 0 0 0 0 0 0
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OTU5035 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU5034 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU16087 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU12826 0 0 0 0 0 0 0 0 0 0 0 0 0

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0 0 0 0 0 0 0 0 0 0 0 0 0 0

0

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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU12825	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU6438	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU5043	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0

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OTU6436 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 1 0 0 0 0 0 0 0 0 0 0 0 0
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OTU6435 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 1 0 0 0 0 0 0 0 0 0 0 0 0
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OTU16379 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU16377	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
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	0												
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OTU6522 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU5113 0 0 0 0 0 0 0 0 0 0 0 0 0
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	0												
OTU6482	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU5079	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU1993	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
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OTU5718	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU1980	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU10263	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU1978 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2066	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU10093 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2071 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU5694 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2070 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2072	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU5695	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU2078 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU5699 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2014 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU16296 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2013 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2016 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU10109 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2009 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2010 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2011 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU5807 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU10108 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU10114 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU16286	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU10113	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU10115	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU5809 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2018 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU10110 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU5804 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU10119	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU10118	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU16284	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU2017	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU16283 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU6108	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
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	0												
OTU10174	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
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	0												
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	0												
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OTU13979	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU2275	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU2274 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU6188 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU6187 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU6184 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2272	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU7973	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU456	0	0	0	0	0	0	0	0	0	0	0	0	0
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	6	0	0	0	0	0	0	9	0	2	0	8	0	0

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OTU6185	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU14118	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU13988	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU6193	0	0	0	0	0	0	0	0	0	0	0	0	0
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	9	0	0	0	0	1	0	0	3	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	1	0	0
	0												
OTU6191	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU6139 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU10441 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU13813 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU13814 0 0 0 0 0 0 0 0 0 0 0 0 0
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	0												
OTU13816	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU13822	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU2352	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU2353 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU6136 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU13823 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU6135 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2361 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU13819 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU5981 0 0 0 0 0 0 0 0 0 0 0 0 0
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1	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU5982	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU2359	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU5984	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU5983 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU13821 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU10523 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2385 0 0 0 0 0 0 0 0 0 0 0 0 0
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0

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	1	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU5980	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU13808	0	0	0	0	0	0	0	0	0	0	0	0	0
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	1	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU2384	0	0	0	0	0	0	0	0	0	0	0	0	0
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	1	0	0	0	0	0	0	0	0	0	0	0	0

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OTU2383 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2392	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU7380	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU5988	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU13805 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2374	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU2372	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU10527	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU5963 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU13809	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU5965	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU5964	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU13811 0 0 0 0 0 0 0 0 0 0 0 0 0
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	1	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU2142	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU13832	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU2141	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU10520 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU13839	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU13834	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU10553	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU13828	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU5999 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU5944	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													

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OTU13891	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU2104	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU2921	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU14785 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2729 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU13884	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	0	1	0	0	0	0	0	0	0	0	0	0	0	0
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	0													
OTU363	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	0	6	0	0	0	0	0	0	0	0	0	0	0	0
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	0	8	0	12	11	32	2	11	5	0	0	1	0	0
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OTU10346	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	0	3	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	1	1	0	1	1	0	0	0	0	0
	0													

OTU464	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	1	0	0	1	0	0	0	0	0	0	3	1
	0	1	6	6	7	9	5	4	3	6	0	0	0
	22	20											
OTU3151	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	3	0	0	0	0	0	0	0	0	0	0	0
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	0	1	0	0	1	0	0	1	0	0	0	0	0
	0	0											
OTU1083	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU658	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	2	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU290	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU722	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU2107	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU5946	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													

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OTU10504	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU2106 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2265	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU794	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU5938	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU1604	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU2096	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU13886 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU4273 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU13885 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU1174 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU911	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU1362	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	4	0	0	0	0	0	0	0	0	0	0	0
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OTU622	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	5	0	0	0	0	0	0	0	0	0	0	0
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OTU5937 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU649 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2092	0	0	0	0	0	0	0	0	0	0	0	0	0	
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OTU1254	0	0	0	0	0	0	0	0	0	0	0	0	0	
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OTU2243	0	0	0	0	0	0	0	0	0	0	0	0	0	
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OTU905	0	0	0	0	0	0	0	0	0	0	0	0	0	
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	0	0	0	0	0	0	0	0	0	0	3	6	0
	0	2	0	1	3	2	1	1	1	0	0	0	1
	0												
OTU14823	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	2	0	0	0	0	0	0	0	0	0	0	0
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	0	2	0	1	1	0	0	0	0	1	0	0	0
	2												
OTU2102	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU10506	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	2	0	0	0	0	0	0	0	0	0	0	0
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	0												

OTU10497	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU2820	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU6716	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	24	0	2	3	0	0	0	1	1	0	0	0	
1													
OTU2099	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	1	0	0	0	0	0	0	0	0	0	0	0	

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0 0 0 0 0 0 0 0 0 0 0 0 0 0
0
OTU995 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11497 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 9 0 4 1 1 2 1 1 0 0 0 0 0
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OTU2100 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU13901 0 0 0 0 0 0 0 0 0 0 0 0 0
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0													
OTU5941	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	1	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU2983	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU615	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													

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	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU5939	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU5940	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU2550	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU1552 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU13899 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU14890 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU10502 0 0 0 0 0 0 0 0 0 0 0 0 0
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	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU13898	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU10500	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU2238	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	7	0	0	0	0	0	0	0	0	0	0	0

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	0	8	0	2	1	0	0	0	0	0	0	0	0	0
	0													
OTU3220	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	1	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	3	3	0	3	0	0	3	0	0	0	0	0
	0													
OTU2117	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	1	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU10498	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	1	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0													
OTU1356	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU937 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2143 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU14371 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2118 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 1 0 0 0 0 0 0 0 0 0 0 0
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0
OTU852 0 0 0 0 0 0 0 0 0 0 0 0 0
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2
OTU755 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU5958 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU10510 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU10511 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU13902 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2114 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU13894 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU798 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU652	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU13897	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
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OTU2233	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU13895 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2224	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
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	0												
OTU2250	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU2225 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU906 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU13861 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU10507 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU8168 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU6044 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU6043 0 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2876	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	1	0	0	0	0	0	0	0	1	1	0	0
	0	0	0	0	0	0	0	0	0	0	2	10	0
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	3												
	0												
OTU10509	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU2229	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU9318	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	1	1	0	3	0	1	12	0	1	0	0	0	2
3													
OTU3225	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU2254	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU1041	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU2256 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU6047 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU7086 0 0 0 0 0 0 0 0 0 0 0 0 0
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0

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0													
OTU4146	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU2259	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU1053	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	1	0	0	0	0	0	0	0	0	0	0	0	

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	4												
OTU10345	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU1934	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	1	0	0	0	0
	0												
OTU6039	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU2258	0	0	0	0	0	0	0	0	0	0	0	0	0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
0 1 0 0 0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU10343 0 0 0 0 0 0 0 0 0 0 0 0 0
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0 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU6038 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2101 0 0 0 0 0 0 0 0 0 0 0 0 0
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0

OTU6669	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	3	0	0	0	0	1	0	0	0	0	0	0
	1												
OTU6037	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	1	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU10344	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU2248	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU3340	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	1	0	0	0	0	0	0	0	1	0	0	0	3
0	0	0	0	0	1	0	0	0	0	0	0	1	0
0	0	1	0	4	2	0	2	0	0	0	0	0	1
1													
OTU2249	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	1	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU719	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	1	0	0	0	0	0	0	0	0	0	0	0	0
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0	11	1	0	13	1	0	0	3	0	0	1	0	0
6													
OTU665	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	1	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	1	0
0	0	1	0	0	1	3	0	2	5	0	0	0	0
0													
OTU2252	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	1	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU6042	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	1	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0													
OTU2253	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													

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	0												
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	0												
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OTU6023	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU10350	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU1347	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU2753	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU1397	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU7602	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
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	0												
OTU9974	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU13649	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU3035	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU6958 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU13510 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU7450 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU7431	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU10047	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU7474	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
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OTU7468	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU2660	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU13672 0 0 0 0 0 0 0 0 0 0 0 0 0
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	0												
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	0												
OTU6656	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU13653	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU11150	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	1	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU2595	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU11154	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU2589	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU11158	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU13660	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU13654 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU6751 0 0 0 0 0 0 0 0 0 0 0 0 0

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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU2454	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	1	0	0	0	0	0
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	0												
OTU13656	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	1	0	0	0	0	0
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	0												
OTU6748	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU13655 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU6707 0 0 0 0 0 0 0 0 0 0 0 0 0
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	0												
OTU11217	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU11218	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU13707	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU6709 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU3020 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU7059 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU7082 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2794 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU14811	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU11053	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU1333	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU7088 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2822 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU7083 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU7087 0 0 0 0 0 0 0 0 0 0 0 0 0
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	0												
OTU2823	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU6947	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	7	0	1	0	0	1	0	0	0	0	0	0
	0												
OTU4214	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0

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0 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11044 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU7074 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU9308 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2814 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11046 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2362	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	2	0	0	0	1	1	0	0	1	0	0	0	3
0													
OTU2816	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU14806 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2810 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2811 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU14805 0 0 0 0 0 0 0 0 0 0 0 0 0
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	0												
OTU2666	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU11048	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU3079	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	1	0	0
	0	0	0	0	12	0	2	0	1	0	0	0	0
	2												

OTU11047	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU2680	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	1	0	0
	0	1	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU7076	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU14826	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU6339 0 0 0 0 0 0 0 0 0 0 0 0 0
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	0												
OTU6711	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU7036	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
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OTU11105	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU2925 0 0 0 0 0 0 0 0 0 0 0 0 0
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	0	0	0	0	0	0	0	0	0	0	0	0	1
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU2784	0	0	0	0	0	0	0	0	0	0	0	0	0
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	1	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU2783	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU6972	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU14708	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU6970	0	0	0	0	0	0	0	0	0	0	0	0	0
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	1	0	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU6971	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU14721	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU2760	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU6948	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU2754 0 0 0 0 0 0 0 0 0 0 0 0 0

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OTU11399	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU6946	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU2740	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU2739 0 0 0 0 0 0 0 0 0 0 0 0 0

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OTU14695 0 0 0 0 0 0 0 0 0 0 0 0 0

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0	1	0	0	0	0	0	0	0	0	0	0	0	
0													
OTU6965	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	
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0	1	0	0	0	0	0	0	0	0	0	0	0	
0													
OTU1436	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	1	0	0	1	0	1	1	0	3	0	0	0	0
0													
OTU2567	0	0	0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0	0	0	

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0 2 0 0 0 0 2 0 0 3 0 0 0 2
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OTU6966 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11357 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU6130 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU936 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU14770 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11394 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU6963 0 0 0 0 0 0 0 0 0 0 0 0 0
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	0												
OTU14704	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU6964	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU1878	0	0	0	0	0	0	0	0	0	0	0	0	0
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0 1 0 0 0 0 0 0 1 1 0 0 0 0
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OTU11485 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU14705 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11483 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2774 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2846 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU6968 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU596	0	0	0	0	0	0	0	0	0	0	0	0	0
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	4												
OTU2771	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU6930	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU11481	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU2773 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11480 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2772 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU6967 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU912 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11482 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU1002 0 0 0 0 0 0 0 0 0 0 0 0 0
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	0												
OTU11487	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU2689	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU11488	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU2511 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU14698 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU6953 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2686 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU6952 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU6956 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU14700 0 0 0 0 0 0 0 0 0 0 0 0 0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU14699	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	1	0	0	0	0	0	0	0	0	0	0	0
	0												
OTU6961	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU11313	0	0	0	0	0	0	0	0	0	0	0	0	0
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0 1 0 0 1 0 0 0 0 0 0 0 0 0
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OTU2518 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2667 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2665 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2675 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU6962 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU6954 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU6959	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU14701	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU2379	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU14702	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU2695 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU14779 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU14780	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU11493 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU6969 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU14783 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11498 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU7055	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU14775	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU14773 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU7078	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU2916	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU2917 0 0 0 0 0 0 0 0 0 0 0 0 0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
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	2												
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OTU7006 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU14788	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU11461	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU7441	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
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OTU11473 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU7594 0 0 0 0 0 0 0 0 0 0 0 0 0
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	0												
OTU2436	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU8310	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU2433	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU14735 0 0 0 0 0 0 0 0 0 0 0 0 0
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0	0	1	0	1	0	0	0	0	0	0	0	0	0
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OTU14738	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU14739	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU2416	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU2558 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15026 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11292 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11295	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU15022 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU3278	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU6278	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
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OTU11241	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU15037 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11228	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU11254	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU15002	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU15001	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU3475 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11252	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU11257	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU8994	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU3180 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15133 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU7612	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU11373	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU11370	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU3066 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15136 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11371 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15135 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU15134 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11314 0 0 0 0 0 0 0 0 0 0 0 0 0
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	0												
OTU8011	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU3135	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU11315	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU11310 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU3134 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11312 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU7981 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU8028 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU3141 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU11318	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	1	0	0	0	0	0	0	0	0
	0												
OTU15119	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU8031	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU3115	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU15120 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU7915	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU15056	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU11297	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU15059 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU728 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU3148 0 0 0 0 0 0 0 0 0 0 0 0 0
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	0												
OTU1274	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU1275	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU4619	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU1694	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU15064	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU1679	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU11304	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
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	0												
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	0												
OTU15062	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU11345	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU15042	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU15050	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU8067 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU7649 0 0 0 0 0 0 0 0 0 0 0 0 0
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	0												
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OTU10695 0 0 0 0 0 0 0 0 0 0 0 0 0
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0													
OTU10720	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU10718	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU7767	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
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OTU10723 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2022 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU14982 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU14981 0 0 0 0 0 0 0 0 0 0 0 0 0
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	0												
OTU10722	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU14948	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU14949	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU8198 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2081 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU14951 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU8122 0 0 0 0 0 0 0 0 0 0 0 0 0
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	0												
OTU1138	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	1	1	0	0	0
	2												
	0												
OTU8149	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	1	0	0	0	0
	0												
OTU1908	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU1909 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU1932 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU8249	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU14965	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU8254	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU10595 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU2083 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU14962 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU997 0 0 0 0 0 0 0 0 0 0 0 0 0
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	0												
OTU1001	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU14955	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU10599	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU10598 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU14954	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU14953	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU10597	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU1226 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU8267	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU8266	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU8268	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU8270 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU10589 0 0 0 0 0 0 0 0 0 0 0 0 0
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	0												
OTU10618	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU8278	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU3484	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU14337	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU3337	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU8276	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU4862 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU14368	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU10650	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU8279	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU14382	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU8282 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU8291	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU8290	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU14384 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU10628	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU10627	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0												
OTU14379	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU5309 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU10629 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU1137 0 0 0 0 0 0 0 0 0 0 0 0 0
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OTU8142	0	0	0	0	0	0	0	0	0	0	0	0	0
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0													
OTU8144	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU3918	0	0	0	0	0	0	0	0	0	0	0	0	0
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OTU8143 0 0 0 0 0 0 0 0 0 0 0 0 0
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	2												
OTU714	0	0	0	0	0	0	0	0	0	0	0	0	0
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	18												
OTU8162	0	0	0	0	0	0	0	0	0	0	0	0	0
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	2												
OTU4099	0	0	0	0	0	0	0	0	0	0	0	0	0
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4.7 Table of significant links between ARGs and OTUs

The statistically significant interactions between ARGs and OTUs, i.e. the interactions whose MIC was never observed in the randomized dataset (see Figure above) are listed below (excluding relationships between OTUs that were not linked to ARGs):

Source	Target	MIC..strength.	MIC.p.2..nonlinearity.	MAS..non.monotonicity.	MEV..functionality.	MCN..complexity.	Linear.regression..p.	color
aphA3.1	aphA3	1	0.003459	0	1	3	0.998269	blue
tetO.1	tetO	0.99979	0.004398	0.0083	0.99979	3	0.997693	blue
aadE.1	aadE	0.99979	0.001502	0	0.99979	2	0.999143	blue
aadA2_2	aadA	0.99979	0.087448	0	0.99979	3	0.955166	blue
blaTEM_2	blaTEM	0.99979	0.093631	0	0.99979	3	0.951924	blue
OTU12030	OTU2	0.97477	0.014033	0.07579	0.97477	3.321928	0.980172	blue
aph3Ib	strB	0.96589	0.022626	0.05967	0.96589	3.321928	0.971218	blue
tetM_2	tetM	0.96589	0.004591	0.04669	0.96589	3.321928	0.980459	blue
ant6Ib.1	ant6Ib	0.93199	-0.024728	0.07246	0.93199	3.321928	0.97812	blue
OTU4458	OTU7	0.9064	-0.075277	0.04396	0.9064	3.321928	0.990796	blue
OTU3624	OTU1	0.88275	0.245479	0.05226	0.88275	3.321928	0.798293	blue
tetR	tetA_2	0.88052	-0.063634	0.03348	0.88052	3.321928	0.971676	blue
ermB	aphA3	0.86206	0.19628	0.05331	0.86206	3.321928	0.815953	blue
dfrA1	sul2	0.85256	-0.112193	0.13749	0.83564	3.321928	0.982219	blue
OTU98	ermG	0.54132	0.367078	0.03513	0.54132	3.321928	-0.417424	red
aadE_2	aphA3.1	0.81792	0.258775	0.02573	0.81792	3	0.74776	blue
OTU1	OTU2	0.81725	0.519962	0.03015	0.81725	3.321928	0.545241	blue
OTU8555	OTU14	0.58015	0.179612	0.06923	0.58015	3.321928	0.632881	blue
aadE_2	aphA3	0.79732	0.24147	0.01377	0.79732	3	0.745554	blue
ermB	aphA3.1	0.7964	0.140868	0.18514	0.7964	3.321928	0.809649	blue
OTU3624	OTU2	0.77699	0.23859	0.02219	0.77699	3.321928	0.733758	blue
OTU98	ermB	0.54132	0.352738	0.07786	0.54132	3.321928	-0.43426	red
OTU12054	npmA	0.75441	-0.077314	0.12761	0.75441	3.321928	0.911989	blue
IntI1	dfrA1	0.75402	0.16872	0.1234	0.75402	3.321928	0.765049	blue
aphA3.1	aadE	0.75332	0.081036	0.03587	0.75332	3	0.819929	blue
aphA3.1	aadE.1	0.75332	0.084024	0.05925	0.75332	3	0.818105	blue
ermB	aadE	0.75332	0.228051	0.11507	0.75332	3	0.724755	blue
ermB	aadE.1	0.75332	0.232781	0.11507	0.75332	3	0.721484	blue
aadE_2	aadE	0.75332	0.079827	0.00191	0.75332	3	0.820666	blue
aadE_2	aadE.1	0.75332	0.081831	0	0.75332	3	0.819445	blue
OTU6	cepA	0.74959	-0.185716	0.17363	0.74959	3.321928	0.967112	blue
OTU12030	OTU3624	0.74637	0.289865	0.05576	0.74637	3.321928	0.675652	blue
aphA3	aadE	0.73327	0.028158	0.03485	0.73327	3	0.839709	blue

aadE.1	aphA3	0.73327	0.02674	0.03485	0.73327	3	0.840553	blue
tetW.1	aadE_2	0.73167	0.172164	0.13661	0.73167	3.321928	0.748002	blue
OTU93	OTU868	0.61577	0.298919	0.06109	0.61577	3.321928	0.562895	blue
OTU1131	aphA3	0.66425	0.349661	0.07156	0.66425	3	-0.560882	red
OTU3624	tetQ	0.5828	0.471411	0.13141	0.5828	3.321928	-0.333749	red
OTU98	aphA3	0.59817	0.402519	0.10181	0.59817	3.321928	-0.442325	red
OTU229	OTU98	0.57707	0.218452	0.09314	0.57707	3.321928	0.598847	blue
tetW.1	lnuC	0.72236	-0.011985	0.14682	0.72236	3.321928	0.856939	blue
OTU5	ermB	0.72181	0.340655	0.03781	0.72181	3.321928	0.617378	blue
OTU2302	OTU22	0.71903	-0.013122	0.13342	0.71903	3	0.855659	blue
OTU4458	tet32	0.7131	0.077274	0.10728	0.7131	3.321928	0.797387	blue
aadE_2	ermB	0.71211	0.159404	0.06241	0.71211	3.321928	0.743442	blue
tetW.1	ermB	0.71036	0.213246	0.08567	0.71036	3.321928	0.705063	blue
ermG	ermB	0.70728	0.313201	0.0937	0.70728	3.321928	0.627757	blue
mefA	tetQ	0.70566	0.35843	0.08221	0.70566	3.321928	0.589262	blue
OTU12	tetL	0.5432	0.501191	0.11755	0.5432	3.321928	-0.204962	red
is26	aadA2_2	0.69183	0.239741	0.24906	0.69183	3.321928	0.672376	blue
OTU7	tet32	0.68837	0.063641	0.10769	0.68837	3	0.790398	blue
ermG	aphA3	0.68429	0.406425	0.04448	0.68429	3.321928	0.527129	blue
IntI1	aadA	0.68203	-0.207731	0.1155	0.68203	3.321928	0.943272	blue
OTU39	OTU34	0.58006	0.270696	0.08283	0.58006	3.321928	0.556205	blue
ermG	aphA3.1	0.67661	0.361973	0.08163	0.67661	3.321928	0.560925	blue
aadE_2	ermG	0.67661	0.198152	0.07621	0.67661	3.321928	0.691707	blue
OTU164	OTU113	0.58984	0.034115	0.06592	0.58984	3.321928	0.74547	blue
OTU868	aph2Ib	0.57514	0.560142	0.17498	0.57514	3.321928	-0.122467	red
OTU868	aadE.1	0.59951	0.418773	0.13527	0.59951	3.321928	-0.425132	red
OTU113	OTU98	0.54441	-0.192964	0.05867	0.54441	3.321928	0.858705	blue
OTU2302	aphA3	0.66511	0.325201	0.04732	0.66511	3.321928	0.583017	blue
OTU2	tetQ	0.59395	0.359219	0.10009	0.59395	3.321928	-0.484491	red
OTU113	ermG	0.54441	0.388106	0.04988	0.54441	3.321928	-0.395353	red
ermG	aadE	0.65291	0.280321	0.1085	0.65291	3.321928	0.610401	blue
ermG	aadE.1	0.65291	0.287611	0.1085	0.65291	3.321928	0.6044	blue
OTU2	tetL	0.56303	0.518701	0.1012	0.56303	3.321928	-0.210544	red
tetW.1	tet40_2	0.64762	0.02554	0.02812	0.64762	3.321928	0.788721	blue
OTU868	aphA3.1	0.67457	0.455726	0.11425	0.67457	3.321928	-0.467807	red
tetW.1	ermG	0.64186	0.031942	0.12101	0.64186	3.321928	0.780972	blue
OTU2302	aphA3.1	0.64094	0.272753	0.05444	0.64094	3.321928	0.606784	blue
OTU229	aphA3	0.59269	0.368856	0.04915	0.59269	3	-0.473111	red
OTU1131	aadE	0.59681	0.315769	0.05877	0.59681	3	-0.530133	red
OTU99	aphA3	0.56427	0.342302	0.15225	0.56427	3.321928	-0.471135	red
OTU55	OTU14	0.58327	0.151167	0.08826	0.58327	3	0.657346	blue
OTU8555	OTU55	0.9086	-0.05207	0.06622	0.9086	3.321928	0.980138	blue
OTU1131	OTU98	0.65829	0.190811	0.11318	0.65829	3	0.683725	blue
tet40_2	aadE_2	0.62422	0.052139	0.12311	0.62422	3.321928	0.75636	blue
OTU229	aadE_2	0.54511	0.30362	0.04767	0.54511	3	-0.491416	red
OTU229	aadE.1	0.54511	0.345084	0.03981	0.54511	3	-0.447243	red
dfrA1	aadA	0.61779	-0.171332	0.15131	0.61779	3.321928	0.888325	blue
OTU229	aadE	0.54511	0.344928	0.03981	0.54511	3	-0.447417	red

OTU28	ant6Ib	0.54511	0.353064	0.06702	0.54511	3	-0.438231	red
strB	mphB	0.6116	0.153619	0.21657	0.57718	3.321928	0.676743	blue
mphB	dfrA1	0.61045	-0.15051	0.13869	0.54634	3.321928	0.87233	blue
OTU113	aphA3	0.54534	0.359727	0.03816	0.54534	3.321928	-0.430828	red
OTU10	npmA	0.60979	-0.055716	0.0524	0.60979	3.321928	0.815785	blue
OTU56	OTU14	0.62549	0.028776	0.08794	0.62549	3.321928	0.772473	blue
OTU193	aphA3	0.58328	0.394348	0.09532	0.58328	3.321928	-0.434663	red
OTU7	aphA3.1	0.6086	0.312551	0.10322	0.6086	3.321928	0.544104	blue
OTU7077	aph2Ib	0.59735	0.579308	0.07615	0.59735	3.321928	-0.134321	red
OTU229	OTU868	0.72865	0.472533	0.10405	0.72865	3.321928	0.50608	blue
OTU18	is6100	0.5746	0.566089	0.09701	0.5746	3.321928	-0.092255	red
tet40_2	aphA3	0.60634	0.325623	0.19339	0.60634	3.321928	0.529827	blue
aph3Ib	mphB	0.60551	0.345276	0.13727	0.53876	3.321928	0.510131	blue
OTU43	lnuB	0.60137	0.020828	0.07768	0.60137	3.321928	0.761933	blue
tet40_2	ermB	0.60133	0.200147	0.19198	0.60133	3.321928	0.63339	blue
OTU868	ermG	0.67457	0.481163	0.11425	0.67457	3.321928	-0.43978	red
OTU229	OTU1131	0.72865	0.035271	0.07949	0.72865	3	0.832693	blue
OTU5858	OTU39	0.61154	0.257443	0.14471	0.61154	3.321928	0.595061	blue
OTU19	ermB	0.59668	0.319157	0.11026	0.59668	3.321928	0.526804	blue
OTU1131	aadE.1	0.59681	0.316576	0.05877	0.59681	3	-0.529372	red
OTU41	OTU75	0.59039	-0.069007	0.08837	0.59039	3.321928	0.812033	blue
OTU19	aph2Ib	0.59316	0.592657	0.16306	0.59316	3.321928	-0.022423	red
OTU38	OTU79	0.6231	0.332804	0.19574	0.6231	3.321928	0.538791	blue
OTU131	aphA3.1	0.58815	0.270742	0.10846	0.58815	3	0.56339	blue
is26	aadA	0.58416	0.128755	0.13009	0.58416	3.321928	0.674837	blue
is26	strB	0.58211	0.043321	0.12322	0.58211	3.321928	0.734023	blue
OTU106	OTU55	0.60929	0.059805	0.05477	0.60929	3	0.741273	blue
OTU5	ermG	0.58126	0.187721	0.09321	0.58126	3.321928	0.627327	blue
OTU106	OTU8555	0.66022	0.138158	0.14541	0.66022	3	0.722539	blue
OTU193	OTU113	0.62376	0.037367	0.14774	0.62376	3.321928	0.765763	blue
strB	sul2	0.57991	-0.041641	0.03936	0.57991	3.321928	0.788385	blue
tetR	blaTEM_2	0.57981	0.123633	0.07091	0.57981	3.321928	0.675409	blue
OTU5858	OTU34	0.66533	0.16101	0.15808	0.66533	3.321928	0.710155	blue
OTU12030	OTU5	0.57639	0.267105	0.04759	0.57639	3.321928	0.556134	blue
OTU35	tetM	0.57619	0.039196	0.19723	0.57619	3.321928	0.732799	blue
tet40_2	ermG	0.57612	0.045924	0.01701	0.57612	3.321928	0.728146	blue
aph3Ib	sul2	0.57573	0.081876	0.0753	0.57573	3.321928	0.702748	blue
OTU135	OTU8555	0.60929	0.175929	0.04333	0.60929	3	0.658302	blue
OTU10	OTU12054	0.57511	-0.246067	0.10262	0.57511	3.321928	0.906188	blue
OTU38	OTU1037	0.79858	0.400575	0.06384	0.79858	3.321928	0.630876	blue
OTU229	aph2Ib	0.59269	0.568383	0.08512	0.59269	3	-0.155908	red
OTU1131	ermG	0.65913	0.389075	0.11402	0.65913	3	-0.519668	red
OTU7522	OTU6	0.57297	-0.326581	0.09171	0.57297	3	0.948446	blue
tet40_2	tetO	0.57251	0.168758	0.03348	0.57251	3.321928	0.635415	blue
OTU54	is6100	0.58812	0.586141	0.17912	0.58812	3.321928	-0.044488	red
lnuC	aadE_2	0.57074	0.195824	0.1753	0.57074	3.321928	0.612304	blue
OTU131	aphA3	0.56946	0.21582	0.09406	0.56946	3.321928	0.594677	blue

IntI1	aadA2_2	0.56653	-0.350914	0.10548	0.56653	3.321928	0.957833	blue
aadA2_2	dfrA1	0.56629	0.001716	0.14825	0.56629	3.321928	0.751382	blue
OTU100	OTU1131	0.60468	0.280033	0.16114	0.60468	3	0.569778	blue
OTU8555	OTU52	0.54908	0.072136	0.11874	0.54908	3.321928	0.690612	blue
OTU868	aadE	0.59951	0.420164	0.13527	0.59951	3.321928	-0.423493	red
OTU56	OTU52	0.59245	0.081271	0.11264	0.59245	3.321928	0.714968	blue
aph3Ib	dfrA1	0.56131	0.093607	0.09981	0.56131	3.321928	0.683889	blue
OTU51	IntI1	0.56045	0.051774	0.17017	0.56045	3.321928	0.713215	blue
OTU113	OTU1131	0.67884	0.277616	0.11852	0.67884	3	0.633422	blue
tetR	blaTEM	0.55903	0.114994	0.05347	0.55903	3.321928	0.66636	blue
OTU193	OTU1131	0.59727	0.085282	0.23252	0.59727	3.321928	0.715533	blue
OTU52	OTU55	0.54908	0.07789	0.10787	0.54908	3.321928	0.686433	blue
OTU182	aph2Ib	0.5494	0.530852	0.0596	0.5494	3.321928	-0.136193	red
OTU28	OTU135	0.55045	-0.024102	0.07727	0.55045	3.321928	0.757992	blue
tet40_2	aadE.1	0.55485	0.127543	0.11164	0.55485	3.321928	0.653687	blue
OTU35	tetM_2	0.55462	-0.062437	0.09102	0.55462	3.321928	0.78553	blue
OTU5764	OTU18	0.9117	-0.05774	0.03179	0.9117	3.321928	0.984601	blue
tet40_2	tetO.1	0.55363	0.174428	0.03348	0.55363	3.321928	0.615793	blue
tet40_2	aphA3.1	0.55217	0.231875	0.1567	0.55217	3.321928	0.565946	blue
IntI1	strB	0.55194	0.217231	0.0178	0.55194	3.321928	0.57854	blue
strB	dfrA1	0.54964	-0.055891	0.05216	0.54964	3	0.778159	blue
OTU1131	OTU868	0.72865	0.331768	0.18354	0.72865	3	0.629986	blue
aadA	sul2	0.54896	-0.218608	0.08963	0.54896	3.321928	0.87611	blue
aadA2_2	sul2	0.54896	-0.004999	0.10326	0.54896	3.321928	0.744284	blue
OTU106	OTU135	0.55265	-0.066741	0.04018	0.55265	3.321928	0.787014	blue
OTU4458	aphA3.1	0.54634	0.280534	0.06211	0.54634	3.321928	0.515564	blue
IntI1	blaTEM_2	0.54606	-0.114291	0.14447	0.54606	3.321928	0.81262	blue
OTU198	tetG	0.54545	0.275414	0.18181	0.54545	3.321928	0.51965	blue
OTU38	OTU39	0.68092	0.129207	0.10037	0.68092	3.321928	0.742774	blue
OTU135	OTU55	0.67671	0.235935	0.03949	0.67671	3.321928	0.663909	blue
is26	IntI1	0.54415	0.001321	0.11306	0.54415	3.321928	0.736769	blue
IntI1	mphB	0.54193	0.252345	0.08105	0.50583	3.321928	0.538131	blue
mphB	sul2	0.54187	-0.209177	0.05254	0.48172	3.321928	0.86663	blue
ermG	tetO	0.54132	0.22016	0.03487	0.54132	3.321928	0.56671	blue
ermG	tetO.1	0.54132	0.242062	0.04339	0.54132	3.321928	0.547045	blue
OTU182	OTU7077	0.65654	-0.324483	0.1017	0.65654	3	0.990466	blue
OTU82	OTU12	0.59069	0.322565	0.1005	0.59069	3.321928	0.517808	blue
OTU1131	aphA3.1	0.65913	0.346621	0.11402	0.65913	3	-0.559025	red
OTU49	OTU55	0.59362	0.324268	0.0601	0.59362	3	0.518991	blue
OTU166	blaTEM_2	0.55486	0.504302	0.03388	0.55486	3.321928	-0.224852	red
OTU120	OTU23	0.70491	0.367077	0.09007	0.70491	3.321928	0.581234	blue
OTU1131	ermB	0.62216	0.352308	0.07705	0.62216	3	-0.519473	red
OTU193	aph2Ib	0.5738	0.553678	0.08339	0.5738	3.321928	-0.141851	red
OTU193	aphA3.1	0.59787	0.409485	0.08088	0.59787	3.321928	-0.434033	red
OTU868	aphA3	0.5966	0.374089	0.10314	0.5966	3.321928	-0.471711	red
OTU106	OTU23	0.56228	0.122931	0.08171	0.56228	3	0.662834	blue
OTU229	ermG	0.5758	0.388971	0.05342	0.5758	3	-0.432237	red
OTU100	tetO.1	0.55708	0.463718	0.23153	0.55708	3.321928	-0.305552	red

OTU1037	OTU39	0.57862	0.215851	0.12715	0.57862	3.321928	0.602303	blue
OTU106	OTU52	0.55744	0.072523	0.09817	0.55744	3.321928	0.69636	blue
OTU868	ermB	0.62235	0.407153	0.11783	0.62235	3.321928	-0.463893	red
OTU99	aphA3.1	0.62786	0.406042	0.15128	0.62786	3.321928	-0.470976	red
OTU57	tetL	0.57894	0.555835	0.26815	0.57894	3.321928	-0.152004	red
OTU868	aadE_2	0.62235	0.370853	0.15811	0.62235	3.321928	-0.501495	red
OTU39	OTU47	0.55801	0.25895	0.14889	0.55801	3.321928	0.546863	blue
OTU113	OTU100	0.55868	0.143125	0.07248	0.55868	3.321928	0.644636	blue
OTU229	aphA3.1	0.5758	0.353935	0.05145	0.5758	3	-0.471026	red
OTU229	OTU193	0.68654	0.182681	0.10292	0.68654	3.321928	0.70983	blue
OTU166	OTU1037	0.76138	0.477786	0.11982	0.76138	3	0.532536	blue
OTU229	ermB	0.56032	0.357398	0.04841	0.56032	3.321928	-0.450469	red
OTU28	ant6Ib.1	0.56032	0.375288	0.14461	0.56032	3.321928	-0.430154	red
OTU71	OTU1131	0.56032	0.172713	0.03895	0.56032	3	0.622581	blue
OTU71	OTU868	0.56032	0.163165	0.06053	0.56032	3	0.630203	blue
OTU99	ermB	0.56254	0.349179	0.13418	0.56254	3.321928	-0.46191	red
OTU99	OTU868	0.56254	0.21214	0.12442	0.56254	3.321928	0.591946	blue
OTU99	OTU1131	0.56254	0.139389	0.05927	0.56254	3	0.650501	blue
OTU5858	ermF	0.56232	0.526525	0.11694	0.56232	3.321928	-0.189195	red
OTU193	ermG	0.56043	0.410955	0.04813	0.56043	3.321928	-0.386619	red
OTU135	OTU56	0.63731	0.218927	0.0648	0.63731	3.321928	0.646825	blue
OTU120	ant6Ib.1	0.56119	0.437832	0.28618	0.56119	3.321928	-0.351223	red
OTU7077	is6100	0.65106	0.639747	0.18981	0.65106	3.321928	-0.106361	red
OTU75	aph2Ib	0.56142	0.546452	0.34224	0.56142	3.321928	-0.122346	red

4.8 Fasta of representative sequences

Here are the sequences representative of each OTU for later reference:

>OTU2;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9791),o:Clostridiales(0.9730),f:Peptostreptococcaceae(0.5273),g:Clostridium_XI(0.3479);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGAGGTGAAAGGCTACGGCTCAACCGTAGTAAGCCTTTGAAACTGGGAAACTTGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCGGCTCTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1;tax=d:Bacteria(1.0000),p:Firmicutes(0.9997),c:Clostridia(0.9882),o:Clostridiales(0.9939),f:Clostridiaceae_1(0.9852),g:Clostridium_sensu_stricto(0.9743);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
CTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAA
GTGAGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCATTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAAT
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTA
ACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9997),c:"Bacteroidia"(0.9908),o:"Bacteroidales"(0.9936
),f:Bacteroidaceae(0.9887),g:Bacteroides(0.9915);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGC
TCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTATGTATACTGTTTTGTATGTATTATATGAATAAGGA
TCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGTAGGTGGACTGGTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGTCAGTCTTGAGT
ACAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCA
GCTCACTGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU4;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9997),c:Gammaproteobacteria(0.9882),o:"Enterobact
eriales"(0.9821),f:Enterobacteriaceae(0.9871),g:Escherichia/Shigella(0.9686);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
CTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTGCTCATTGACGTTACCCGCAGA
AGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGT
AAAGCGCACGCAGGCGGTTTGTTAAGTCAGATGTGAAATCCCCGGGCTCAACCTGGGAACTGCATCTGATACTGGCA
AGCTTGAGTCTCGTAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTG
GCGAAGGCGGCCCCCTGGACGAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTG
GTA

>OTU5;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Ruminoco
ccaceae(0.8146),g:Ruminococcus(0.6200);

ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGT
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AGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCAGAGC
AAGTCAGATGTGAAATCCGTGGGCTTAACCCACGAACTGCATTTGAAACTGTTTTGCTTGAGTGAAGTAGAGGCAGG
CGGAATTCCCTGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTT
AACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU7;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachnospi
raceae(0.4914),g:Parasporobacterium(0.1735);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGACTGAAGAAGTA
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AGCCAGAAGTGAAAGCCCGGGGCTCAACCCCGAGGACTGCTTTTGGAACTGTCGAACTAGAGTGCAGGAGGGGCAA
GCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACTG
TAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU10;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Ruminoc
occaceae(0.7068),g:Oscillibacter(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGAGGGC
AAGTCAGATGTGAAATCCACGGGCTCAACTCGTGAACTGCATTTGAAACTACTCTTCTTGAGTATCGGAGAGGCAATC
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aceae(0.9884),g:Lactobacillus(0.9743);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTA
AAGCGAGCGCAGGCGGTTGCTTAGGTCTGATGTGAAAGCCTTCGGCTTAACCGAAGAAGTGCATCGGAAACCGGGC
GACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTG
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>OTU3;tax=d:Bacteria(1.0000),p:Firmicutes(0.9997),c:Bacilli(1.0000),o:Lactobacillales(0.9940),f:Lactobacill
aceae(0.9887),g:Lactobacillus(0.9875);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
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AAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAA
AGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCCTCGGCTTAACCGAGGAACTGCATCGGAAACTGTTTTT
CTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGC
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>OTU11;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Lachnos
piraceae(0.5991),g:Clostridium_XlVa(0.3915);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGATGCAA
GTCTGGAGTGAAAGCCCAGGGCTCAACCCTGGGACTGCTTTGGAAACTGTATGGCTAGAGTGCTGGAGAGGTAAGT
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACAGTA
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>OTU14;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9871),o:"Bacteroidales"(0.994
0),f:"Prevotellaceae"(0.9884),g:Prevotella(0.9781);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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AGCGTAGGCCGTCTTATAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGTGAGACTTG
AGTGCGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAG
GCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU13;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8267),c:Sphingobacteriia(0.1740),o:"Sphingobacteriale
s"(0.0781),f:Sphingobacteriaceae(0.0252),g:Parapedobacter(0.0066);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGT
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GATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATTCGAGCGTTATCCGGATTTATTGGGTTTAAAGGG
TGCGTAGGCGGTTAGATAAGTTTGAGGTTAAATGCTTCTGCTCAACAGGAGTTTGCCTTGAAAACTGTCTGACTAGGA
TGTAAACGGCGCAGGCGGAATGAATCATGTAGCGGTGACATGCATAGATATGATTCAGAACACCGATCGCGAAGGC
AGCTTGCGAGGATACGATTGACGCTGAAGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU15;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:"Bacteroidia"(0.1159),o:"Bacteroidales"(0.054
7),f:Prolixibacteraceae(0.0149),g:Prolixibacter(0.0066);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
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AGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAG
GGTGCGTAGGCTGTGCGTCAAGTCAGGGGTGAAATTCCGGGGCTCAACTCCGGGGCTGCCCTTGATACTGTCGCGCT
GGAGTGCGGATGCCGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACTCAGAACACCGATTGCGA
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>OTU12;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Clostridi
aceae_4(0.0457),g:Thermotalea(0.0110);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGAAGAAGGT
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CCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGTGTGTAGGCGGGCTC
GCAAGTTGGATGTGTAATACCCAGAGCTTAACTCGGGTGCTGCATCTGAAACTACGAGTCTTGAGTGTCGGAGAGGT
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iaceae(0.4563),g:Eubacterium(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGT
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CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGATAG
CAAGTCAGCTGTGAAAACTATGGGCTCAACCCATAAACTGCAGTTGAAACTGTTATTCTTGAGTGGAGTAGAGGCAA
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laceae(0.9884),g:Lactobacillus(0.9837);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGG
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AAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAA
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9),f:Bacteroidaceae(0.9871),g:Bacteroides(0.9837);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
CCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGCATACCCGTTTGCATGTACTTTATGAATAAGG
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGATGGATGTTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGATATCTTGAG
TGCAGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGC
AGCCTGCTAAGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU19;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Lachnos
piraceae(0.5991),g:Ruminococcus2(0.3915);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
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AGTCTGATGTGAAAACCCGGGGCTCAACCCCGGGAGTGCATTGGAAACTGTTTATCTGGAGTGCCGGAGGGGTAAG
TGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGT
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ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAAGGATGAAGTA
TTTCGGTATGTAAACTTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTTTGCAA
GCCAGATGTGAAAGCCCGGGGCTCAACCCCGGGACTGCATTTGGAACTGTAATGCTAGAGTGTCGGAGAGGCAAGT
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGATG
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>OTU20;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9834),o:Clostridiales(0.9866),f:Eubacteriaceae(0.8864),g:Eubacterium(0.8124);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTA
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GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGTAA
GTCTGATGTGAAAACCCGGGGCTCAACCCCGGGACTGCATTGGAAACTATGCGGCTAGAGTGTCGGAGAGGTAAGT
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATG
ACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU21;tax=d:Bacteria(1.0000),p:Firmicutes(0.9994),c:Clostridia(0.9897),o:Clostridiales(0.9937),f:Ruminococcaceae(0.9904),g:Gemmiger(0.6681);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGAGGAAGAAGG
TTTTCGGATTGTAAACTCCTGTCGTTAGGGACGATAATGACGGTACCTAACAAGAAAGCACCGGCTAACTACGTGCCA
GCAGCCGCGGTAAAACGTAGGGTGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGACCGGCA
AGTTGGAAGTGAAATCTATGGGCTCAACCCATAAATTGCTTTCAAAACTGCTGGCCTTGAGTAGTGCAGAGGTAGGT
GGAATTCCCGGTGTAGCGGTGGAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGACCTACTGGGCACCA
ACTGACGCTGAGGCTCGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU23;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9604),o:"Bacteroidales"(0.8629),f:"Prevotellaceae"(0.5991),g:Prevotella(0.0904);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGCAGGCCGCCGGGCAAGCGTGTTGTGAAATGCAGTCGCTCAACGTCTGCACTGCAGCGCGAACTGCCCAGCTTG
AGTGCGCGCAACGTTGGCGGAATTCGCCGTGTAGCGGTGAAATGCTTAGATATGGCGAAGAACTCCGATTGCGAAG
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4),f:"Prevotellaceae"(0.9108),g:Prevotella(0.9085);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
CCTATGGGTTGTAAACTTCTTTTATAAGGGAATAAATGTGGGTACGCGTACCCGTTTGCATGTACCTTATGAATAAGG
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GCGTAGGCGGGCGCTTAAGTCAGCTGTGAAAGTTTGGGGCTCAACCTTAAAATTGCAGTTGATACTGGGTGCCTTGA
GTGCAGTATAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCTATTGCGAAGG
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ceae_1(0.9573),g:Clostridium_sensu_stricto(0.9743);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
TTTCGGATCGTAAAGCTCTGTCTTTGGGGAAGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAA
GTGGGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCATTCCAAACTGGTTATCTAGAGTGCAGGAGAGGAGAGT
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTA
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>OTU24;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9995),c:Fusobacteriia(0.9993),o:"Fusobacteriales"(0.99
89),f:"Fusobacteriaceae"(0.9992),g:Fusobacterium(0.7643);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGACCAAAAGTCTGATCCAGCAATTCTGTGTGCACGATGAAGTT
TTTCGGAATGTAAAGTGCTTTCAGTTGGGACGAAGTAAGTGACGGTACCAACAGAAGAAGCGACGGCTAAATACGT
GCCAGCAGCCGCGGTAATACGTATGTCGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGCGTCTAGGCGGTTTGG
TAAGTCTGATGTGAAAATGCGGGGCTCAACTCCGTATTGCGTTGGAAACTGTCAAACTAGAGTACTGGAGAGGTGGG
CGGAACTACAAGTGTAGAGGTGAAATTCGTAGATATTTGTAGGAATGCCGATGGGGAAGCCAGCCCACTGGACAGA
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>OTU28;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9992),c:Fusobacteriia(0.9947),o:"Fusobacteriales"(0.99
36),f:"Fusobacteriaceae"(0.9873),g:Fusobacterium(0.8605);

ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGACCAAAAGTCTGATCCAGCAATTCTGTGTGCACGATGACGGT
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CCAGCAGCCGCGGTAATACGTATGTCGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGCGTCTAGGTGGTTTGGT
AAGTCTGATGTGAAAATGCGGGGCTCAACTCCGTATTGCGTTGGAAACTGCCTAACTAGAGTATCGGAGAGGTGGGC
GGAACTACAAGTGTAGAGGTGAAATTCGTAGATATTTGTAGGAATGCCGATAGAGAAGTCAGCTCACTGGACGAATA
CTGACACTGAAGCGCGAAAGCATGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU25;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Ruminoc
occaceae(0.4563),g:Clostridium_IV(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
TTTCGGGTTGTAAACTTCTTTTAAGAGGGAAGAGCAGAAGACGGTACCTCTAGAATAAGCCACGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGCAGCCGGGTCTGC
AAGTCAGATGTGAAATCCATGGGCTCAACCCATGAACTGCATTTGAAACTGTGGATCTTGAGTGTCGGAGGGGCAAT
CGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGAT
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>OTU27;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Peptoco
ccaceae_2(0.0560),g:Desulfotomaculum(0.0134);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
TTTCGGATTGTAAACCTCTGTCCTAAGGGACGAAGGAAGTGACGGTACCTTAGGAGGAAGCCCCGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGTGTAGGCGGCAGT
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AGTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGAGATTGGGAGGAACACCAGTGGCGAAGGCGACTTACTGGGCC
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>OTU29;tax=d:Bacteria(1.0000),p:Firmicutes(0.9997),c:Clostridia(0.9851),o:Clostridiales(0.9934),f:Lachnos
piraceae(0.9852),g:Coprococcus(0.9743);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
TTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCACCGGCTAAATACGTGCCA
GCAGCCGCGGTAATACGTATGGTGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGTAA
GTCTGAAGTGAAAGCCCGGGGCTCAACCCCGGGACTGCTTTGGAAACTATGCAGCTAGAGTGTCGGAGAGGTAAGT
GGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTGGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATG
ACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU30;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9933),c:Spirochaetia(0.9740),o:Spirochaetales(0.9172),
f:Spirochaetaceae(0.9015),g:Treponema(0.6681);

ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGAACGAAGAAGGC
CGGAAGGTTGTAAAGTTCTTTTGAAACTGAAGAATAAGTATTGCAGGGAATGGCGATATGGTGACGGTAGGTTTTGA
ATAAGCAACGGCTAATTACGTGCCAGCAGCCGCGGTAACACGTAAGTTGCGAGCGTTGTTCGGAATTATTGGGCGTA
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ACTTGAGTTACTGAGGTGGAACTGGAATTCCAGGTGTAGGGGTGAAATCTGCAGATATCTGGAAGAACACCAATGG
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A

>OTU31;tax=d:Bacteria(1.0000),p:Firmicutes(0.9995),c:Bacilli(0.9993),o:Lactobacillales(0.9938),f:Lactobacil
laceae(0.9890),g:Lactobacillus(0.9818);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
TTTCGGCTCGTAAAGCTCTGTTGTTAGAGAAGAACGTGCGTGAGAGCAACTGTTCACGCAGTGACGGTATCTAACCA
GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTA
AAGCGAGCGCAGGCGGTTTGATAAGTCTGATGTGAAAGCCTTTGGCTTAACCAAAGAAGTGCATCGGAAACTGTCAG
ACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGG
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>OTU35;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9892),o:Lactobacillales(0.9934),f:Lactobacil
laceae(0.9876),g:Lactobacillus(0.9818);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
CTTCGGATCGTAAAACTCTGTTGTTAGAGAAGAACACGAGTGAGAGTAACTGTTCATTCGATGACGGTATCTAACCAG
CAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAA
AGGGAACGCAGGCGGTCTTTTAAGTCTGATGTGAAAGCCTTCGGCTTAACCGGAGTAGTGCATTGGAAACTGGAAG
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>OTU34;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Ruminoc
occaceae(0.0904),g:Ruminococcus(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
TTTCGGATTGTAAACCTCTGTCGCAGGGGACGAAGGAAGTGACGGTACCCTGTAAGAAAGCCCCGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGAGCGTAGGCGGTCGA
TTAAGTTAGATGTGAAACCCCCGGGCTTAACTTGGGGACTGCATCTAATACTGGTTGACTTAGAGTACAGGAGAGGG
AAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGAC
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>OTU32;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Clostridiales_Incertae_Sedis_XIII(0.0710),g:Anaerovorax(0.0157);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAATGCCGCGTGAGTGAAGAAGGTCTTCGGATTGTAAAGCTCTTTGATTAGGGACGAAAAAATGACTGTACCTAAAGAACAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATTATTGGGCGTAAAGGGTGCGTAGGTGGTTTAGCAAGTTGGAAGTGAAATACCCAGGGCTTAACTCGGGTGCTGCTTTCAAAACTACTAGACTTGAGTGTGGGAGAGAATAGTGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTATTTGGCCCATAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU33;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Ruminococcaceae(0.8146),g:Pseudoflavonifractor(0.1299);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTCTTAGGGACGAAGCAAGTGACGGTACCTAAGGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGATTGCAAGTCAGATGTGAAAACCACGGGCTCAACCTGTGGCCTGCATTTGAAACTGTAGTTCTTGAGTACTGGAGAGGCAGACGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGTCTGCTGGACAGCAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU36;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Lachnospiraceae(0.0710),g:Clostridium_XlVb(0.0157);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCGCAGAAGACGAAGGAAGTGACGGTATTCTGTGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGAGCGTAGGCGGTCTGATAAGTTGGATGTGAAATACCCGGGCTTAACTTGGGGGGTGCATCCAATACTGTTGGACTAGAGTACAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCATAGATATTAGGAGGAACATCGGTGGCGAAGGCGGCTTTCTGGACTGCAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU37;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Clostridiales_Incertae_Sedis_XII(0.1679),g:Acidaminobacter(0.0423);

ACGGGAGGCAGCAGTAGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCCTATGTGACGAAGGAAGTGACGGTAGCATAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGTTTGGTAAGTTGGATGTGAAATACCCGGGCTTAACTTGGGGGCTGCATCCAATACTGTCGGACTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU38;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Ruminoc
occaceae(0.3884),g:Clostridium_III(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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CCAGCAGCCGCGGTAATACGTAGGTTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGGAG
CAAGTCAGATGTGAAATCCCGGGGCTTAACCCCGGAACTGCATTTGAAACTGTTCCCCTTGAGTATCGGAGAGGCAA
GCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGA
CAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU41;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9997),c:"Bacteroidia"(1.0000),o:"Bacteroidales"(1.000
0),f:"Porphyromonadaceae"(0.9916),g:Butyricimonas(0.9935);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAATGG
TCTATGGCCTGTAAACCTCTTTTGTCAGGGAAGAATAAGGATGACGAGTCATTCGATGCCAGTACTTGACGAATAAGC
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GCGTAGGCGGGACGTCAAGTCAGCGGTAAAAGACTGCAGCTAAACTGTAGCACGCCGTTGAAACTGGCGCCCTGGA
GACGAGACGAGGGAGGCGGAACAAGTGAAGTAGCGGTGAAATGCATAGATATCACTTGGAACCCCGATAGCGAAG
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>OTU39;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Peptoco
ccaceae_2(0.0710),g:Desulfotomaculum(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGG
GTTTCGGCTCGTAAACCTCTGTCCTATGGGACGAAGGAAGTGACGGTACCATAGGAGGAAGCCCCGGCTAACTACGT
GCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCC
GTTAAGTCTGGAGTGAAAGTCCTGCTTTCAAGGTGGGAATTGCTTTGGATACTGATGGGCTGGAGTGCAGGAGAGG
AAAGCGGAATTACCGGTGTAGCGGTGAAATGCGTAGAGATCGGTAGGAACACCAGTGGCGAAGGCGGCTTTCTGGA
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>OTU40;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Ruminoc
occaceae(0.3884),g:Intestinimonas(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
CTTCGGGTTGTAAACTTCTTTTAAGAGGGACGAAGGACGTGACGGTACCTCTTGAATAAGCCACGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGAATG
CAAGTCAGATGTGAAATCTAGGGGCTTAACCCCTAAACTGCATTTGAAACTGTATTTCTTGAGTGTCGGAGAGGTTGA
CGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGTCAACTGGACGAT
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>OTU42;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9997),c:Epsilonproteobacteria(1.0000),o:Campylobacterales(0.9940),f:Campylobacteraceae(0.9895),g:Campylobacter(0.9924);

ACGGGAGGCAGCAGTAGGGAATATTGCGCAATGGGGGAAACCCTGACGCAGCAACGCCGCGTGGAGGATGACACTTTTCGGAGCGTAAACTCCTTTTCTTAGGGAAGAATTCTGACGGTACCTAAGGAATAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTACTCGGAATCACTGGGCGTAAAGGGCGCGTAGGCGGATTATCAAGTCTCTTGTGAAATCTAATGGCTTAACCATTAAACTGCTTGGGAAACTGATAGTCTAGAGTGAGGGAGAGGCAGATGGAATTGGTGGTGTAGGGGTAAAATCCGTAGATATCACCAAGAATACCCATTGCGAAGGCGATCTGCTGGAACTCAACTGACGCTAAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU45;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9605),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5023),f:"Porphyromonadaceae"(0.3204),g:Barnesiella(0.0615);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGTCCTACGGATTGTAAACCTCTTTTGTCGGGGAGTAACGTGCGGGACGCGTCCCGTATTGAGAGTACCCGAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGCGCGCCAAGTCAGCGGTCAAAGTTCCGGGCTCAACCCGGTGTCGCCGTTGAAACTGGCGTGCTCGAGTGCGTGCGAGGAAGGCGGAATGCGTTGTGTAGCGGTGAAATGCATAGATATGACGCAGAACTCCGATTGCGAAGGCAGCTTTCCAGCGCGCTACTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU44;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9791),o:Clostridiales(0.9730),f:Ruminococcaceae(0.9108),g:Intestinimonas(0.3479);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTGTCAGGGACGAAACAAATGACGGTACCTGACGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGAGTGCAAGTCAGATGTGAAAATTATGGGCTCAACCCATAACCTGCATTTGAAACTGTACTTCTTGAGTACTGGAGAGGCAGGCGGAATTCCGTGTGTAGCGGTGAAATGCGTAGATATACGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACAGCAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU43;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Erysipelotrichia(0.9812),o:Erysipelotrichales(0.9798),f:Erysipelotrichaceae(0.9868),g:Turicibacter(0.9818);

ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGAATGATGAAGGCCTTCGGGTTGTAAAATTCTGTTATAAGGGAAGAACGACTTTAGTAGGAAATGGCTAGAGTGTGACGGTACCTTATGAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGAATTATTGGGCGTAAAGAGCGCGCAGGTGGTTGATTAAGTCTGATGTGAAAGCCCACGGCTTAACCGTGGAGGGTCATTGGAAACTGGTCGACTTGAGTGCAGAAGAGGGAAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGAGATATGGAGGAACACCAGTGGCGAAGGCGGCTTCCTGGTCTGTAACTGACACTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU46;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Eubacteriaceae(0.0904),g:Eubacterium(0.0181);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGACGGTTTTCGGATTGTAAACTTCTTTTCTTTGTGAAGAAACAAATGACGGTAGCAAAGGAATAAGCATCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGATGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGGACTTCAAGTTGGATGTGAAAGGTCAAGGCTTAACCTTGGCACTGCATCCAAAACTGTAGTTCTTGAGTGGAGTAGAGGTAAGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGGCTCTAACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU49;tax=d:Bacteria(1.0000),p:Firmicutes(0.9997),c:Clostridia(0.9846),o:Clostridiales(0.9911),f:Lachnospiraceae(0.9852),g:Roseburia(0.9724);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAGAAATGACGGTACCTGACTAAGAAGCACCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGGTGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGAAGGCTAAGTCTGATGTGAAAGCCCGGGGCTCAACCCCGGTACTGCATTGGAAACTGGTCATCTAGAGTGTCGGAGGGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU47;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Ruminococcaceae(0.4563),g:Clostridium_IV(0.0519);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTCTTCGGATTGTAAACTTCTTTTATGAGGGACGAAGGACGTGACGGTACCTCATGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGGATGCAAGTCAGATGTGAAATCTATGGGCTTAACCCATAAACTGCATTTGAAACTGTATCTCTTGAGTGCTGGAGAGGTAGATGGAATTCCTTGTGTAGCGGTGAAATGCGTAGATATAAGGAAGAACACCAGTGGCGAAGGCGATCTACTGGACAGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU48;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Clostridiales_Incertae_Sedis_XIII(0.6350),g:Mogibacterium(0.4787);

ACGGGAGGCAGCAGTAGGGAATCTTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAAGGATGAAGGCCTTCGGGTTGTAAACTTCTGTTCTTAGGGAAGAAGAAAGTGACGGTACCTAAGGAGAAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTGCGTAGGTGGTTATCTAAGCGTAAGGTTTAAGCGTGCAGCTCAACTGCATCTCGCCTTGCGAACTGGACTACTTGAGTGCAGGAGGGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGCGGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU51;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9719),o:Clostridiales(0.8737),f:Eubacteriaceae(0.5273),g:Eubacterium(0.3479);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCAACGCCGCGTGAAGGAGGAAGGCCTTCGGGTCGTAAACTTCTGTCCAAAGGGAAGAAGAATGACGGTACCTTTGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAACACGTAGGGGGCGAGCGTTATCCGGAATTACTGGGCGTAAAGAGTGCGTAGGTGGCTTTGCAAGCGTAGGGTATAAGGCGACAGCCCAACTGTCGTTGGCCCCGCGAACTGTAAGGCTTGAGTACAGGAGGGGAAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU52;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Ruminococcaceae(0.4914),g:Ruminococcus(0.3043);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAGAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCATGGCAAGTCTGATGTGAAAACCCAGGGCTCAACCTTGGGACTGCATTGGAAACTGTCAAGCTGGAGTGTCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATGACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU50;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9897),o:Clostridiales(0.9937),f:Eubacteriaceae(0.9890),g:Eubacterium(0.9918);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCAACGCCGCGTGGAGGAAGACGGTTTTCGGATTGTAAACTCCTGTTCTTAGTGAAGAAAAATGACGGTAGCTAAGGAGCAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGGGAGCAAGTCAGCTGTGAAATCTATGGGCTTAACCCATAAACTGCAGTTGAAACTGTTCTTCTTGAGTGAAGTAGAGGTTGGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCGGTGGCGAAGGCGGCCAACTGGGCTTTTACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU53;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9984),o:Lactobacillales(0.9940),f:Lactobacillaceae(0.9881),g:Lactobacillus(0.9799);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAACTCTGTTGTTGAAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATTCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTTCTAAGTCTGATGTGAAAGCCTTCGGCTTAACCGGAGAAGTGCATCGGAAACTGGATAACTTGAGTGCAAGAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTAGCTTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU55;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9805),o:"Bacteroidales"(0.977
5),f:"Prevotellaceae"(0.9480),g:Prevotella(0.5720);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGC
CCTATGGGTTGTAAACTGCTTTTATACGGGGATAAAGTGGGCCACGTGTGGCTTATTGCAGGTACCGTATGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCCGTCTGTTAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGGCAGACTTG
AGTGCGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAG
GCAGCCTGCTGTAGCGTAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU54;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Deltaproteobacteria(0.9866),o:Desulfovibrio
nales(0.9941),f:Desulfovibrionaceae(0.9873),g:Desulfovibrio(0.9799);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGT
CTTCGGATCGTAAACCTCTGTCAGAAGGGAAGAAACTAGGGTGCTCTAATCATCATCCTACTGACGGTACCTTCAAAG
GAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATCACTGGGCGTA
AAGCGCACGTAGGCTGTTATGTAAGTCAGGGGTGAAATCCCACGGCTCAACCGTGGAACTGCCCTTGATACTGCACG
ACTTGAATCCGGGAGAGGGTGGCGGAATTCCAGGTGTAGGAGTGAAATCCGTAGATATCTGGAGGAACATCAGTGG
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>OTU56;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.688
1),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0615);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGCGTGAGGGAAGACTGC
CCTACGGGTTGTAAACCTCTTTTGTTTGGGAATAAAGTGCGGGACGTGTCCCGCATTGCATGTACCATTTGAATAAGG
ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGCAGGCCGTGGGTTAAGCGTGTCGTGAAATTCCGTCGCTCAACGGCGGACGTGCGGCGCGAACTGGTCCACTTG
AGTACGCGGGACGTTGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAG
GCAGCTGACGGTAGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU59;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Clostridia(0.9834),o:Clostridiales(0.9866),f:Lachnos
piraceae(0.9201),g:Blautia(0.7162);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTA
TCTCGGTATGTAAACTTCTATCAGCAGGGAAGATAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGACTGGCAA
GTCTGATGTGAAAGGCATGGGCTCAACCTGTGGACTGCATTGGAAACTGTTAGTCTTGAGTGCCGGAGGGGTAAGC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTA
ACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU57;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Clostridiales_Incertae_Sedis_XII(0.1291),g:Acidaminobacter(0.0230);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGCTTTCGGGTTGTAAACCTCTGTCCTTGGTGACGAAGGAAGTGACGGTAGCCAAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGTCTTTTAAGTTGGATGTGAAATCCCCGGGCTTAACTTGGGGTCTGCATCCAATACTGGGAGACTAGAGTGCAGGAGAGGGAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU58;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9991),c:Actinobacteria(0.9970),o:Actinomycetales(0.9911),f:Actinomycetaceae(0.9868),g:Actinomyces(0.9818);

ACGGGAGGCAGCAGTGGGGAATTTTGCACAATGGACGCAAGTCTGATGCAGCGACGCCGCGTGAGGGATGGAGGCCTTCGGGTTGTGAACCTCTTTCGCTCATGGTCAAGCCGCACGTGTGCGTGTGGTGAGGGTAGTGGGTAAAGAAGCGCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGCGCGAGCGTTGTCCGGAATTATTGGGCGTAAAGGGCTTGTAGGCGGTTGGTTGCGTCTGCCGTGAAATCCTCTGGCTTAACTGGGGGCGTGCGGTGGGTACGGGCTGGCTTGAGTGCGGTAGGGGAGACTGGAATTCCTGGTGTAGCGGTGGAATGCGCAGATATCAGGAGGAACACCGGTGGCGAAGGCGGGTCTCTGGGCCGTTACTGACGCTGAGGAGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU60;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Clostridia(0.9755),o:Clostridiales(0.9389),f:Lachnospiraceae(0.6709),g:Clostridium_XlVa(0.5239);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAGAAGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTTGATCAAGTCTGATGTGAAAGCCCGGGGCTCAACCCCGGGACTGCATTGGAAACTGAACAGCTGGAGTGCAGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU62;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9877),o:"Bacteroidales"(0.9940),f:"Prevotellaceae"(0.9881),g:Prevotella(0.9837);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAAGGGAATAAAGTGAGCCTCGTGAGGCTTTTTGCATGTACCTTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGGAGATTAAGCGTGTTGTGAAATGTAGATGCTCAACATCTGCACTGCAGCGCGAACTGGTTTCCTTGAGTACGCACAAAGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGAGCGCAACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU61;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Bacilli(0.5195),o:Bacillales(0.2679),f:Paenibacillaceae_1(0.0904),g:Paenibacillus(0.0181);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTTTTCGGATCGTAAACTTCTATCCTTGGTGAAGATAATGACGGTAGCCAAGAAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCAACTAAGTCTGGAGTGAAAGTCCTGCTTTTAAGGTGGGAATTGCTTTGGAAACTGGATGGCTTGAGTGCAGGAGAGGTAAGCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTAACTGACGCTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU63;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Ruminococcaceae(0.1872),g:Anaerotruncus(0.0519);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGTTTTCGGATTGTAAACCTCTGTTCTAAGTGACGAAGAATGACGGTAGCTTAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGAGAAGCAAGTCAGTGGTGAAAGGTATGGGCTTAACCCATAGACTGCCATTGAAACTGTTTTCCTTGAGTGAAGTAGAGGCAGGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTAACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU64;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Clostridiales_Incertae_Sedis_XIII(0.3544),g:Anaerovorax(0.1299);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGAAGAAGGTCTTCGGATCGTAAAGCTCTGTCCTTGGGGAAGATAATGACGGTACCCTTGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTGCGTAGGTGGTTACCTAAGCAGGGGGTGAAAGGCAATGGCTCAACCATTGTTAGCCCCCTGAACTGGGCTACTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTTACTGACACTGAGGCACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU65;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Ruminococcaceae(0.4224),g:Acetanaerobacterium(0.0808);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGGGAAGACGGTCCTCTGGATTGTAAACCTCTGTCTTCGGGGACGAAACGAGACGGTACCCGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGCAGGCAAGTCAGGCGTGAAATATATCGGCTCAACCGGTATCTGCGCTTGAAACTGCAGGTCTTGAGTGAAGTAGAGGTTGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCAACTGGGCTTTTACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU67;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Ruminococcaceae(0.5632),g:Clostridium_IV(0.0519);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTAAGAGGGAAGAGCAGAAGACTGTACCTCTAGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGCAGCCGGGAATGCAAGTCAGATGTGAAATCCATGGGCTTAACCCATGAACTGCATTTGAAACTGTATTTCTTGAGTACTGGAGAGGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACAGCAACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU66;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Clostridiaceae_2(0.0355),g:Alkaliphilus(0.0087);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTTACCCAGCAATGCCGCGTGAATGAAGAAGGTCTTCGGATTGTAAAGTTCTTTAGTCAGGGACGAAAAAAATGACGGTACCTGAAGAATAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGTGTGTAGGCGGTTTGGCAAGTTGGGAGTGAAATACCTAGGGCTTAACCCAGGTGCTGCTTTCAAAACTGTTAGACTTGAGTGCAGGAGAGGTTAATGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGAGGCGAAGGCGATTAACTGGCCTGTAACTGACGCTGAGACACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU68;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9908),o:"Bacteroidales"(0.9936),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGTCCTACGGATTGTAAACTTCTTTTATAAGGGAATAAAACGCTCCACGTGTGGAGCCTTGTATGTACCTTATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGACGGGATGTTAAGTCAGCTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGCGTTCTTGAGTGCAGTTGAGGTGTGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTAAACTGTAACTGACGTTCATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU69;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9997),c:Alphaproteobacteria(1.0000),o:Sphingomonadales(0.9063),f:Sphingomonadaceae(0.8864),g:Sphingomonas(0.8124);

ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGCGAAAGCCTGATCCAGCAATGCCGCGTGAGTGATGAAGGCCTTAGGGTTGTAAAGCTCTTTTACCCGGGATGATAATGACAGTACCGGGAGAATAAGCTCCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGAGCTAGCGTTGTTCGGAATTACTGGGCGTAAAGCGCACGTAGGCGGCTTTGTAAGTTAGAGGTGAAAGCCTGGAGCTCAACTCCAGAATTGCCTTTAAGACTGCATCGCTTGAATCCAGGAGAGGTGAGTGGAATTCCGAGTGTAGAGGTGAAATTCGTAGATATTCGGAAGAACACCAGTGGCGAAGGCGGCTCACTGGACTGGTATTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU71;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9605),c:Spirochaetia(0.8897),o:Spirochaetales(0.7623),f:Spirochaetaceae(0.5632),g:Treponema(0.0904);

ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGGATGATGAAGGCCGGAAGGTTGTAAAATCCTTTTATGACTGAGGAATAAGTGAAGTGAGGGAAACGCTTCATGGTGACTGTAGGTCATGAATAAGCAACGGCTAATTACGTGCCAGCAGCCGCGGTAACACGTAAGTTGCGAGCGTTGTTCGGAATTATTGGGCGTAAAGGGTATGTAGGCGGTTCTGCAAGTCTGGTGTGAAATGCCGGGGCTCAACCCCGGAACTGCGTTGGAAACTGCAGGACTTGAATCGCTGAGGGGCAGCCAGAATTCCAGGTGTAGGGGTGAAATCTGTAGATATCTGGAAGAATACCAATGGCGAAGGCAGGCTGCCAGCAGATGATTGACGCTGAGGTACGAAGGTGCGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU70;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9991),c:Actinobacteria(0.9834),o:Coriobacteriales(0.9866),f:Coriobacteriaceae(0.9876),g:Collinsella(0.9566);

ACGGGAGGCAGCAGTGGGGAATCTTGCGCAATGGGGGCAACCCTGACGCAGCGACGCCGCGTGCGGGACGGAGGCCTTCGGGTCGTAAACCGCTTTCAGCAGGGAAGAGACGAGACTGTACCTGCAGAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGATTCATTGGGCGTAAAGCGCGCGTAGGCGGCCCGGCAGGCCGGGGGTCGAAGCGGGGGGCTCAACCCCCCGAAGCCCCCGGAACCTCCGCGGCTTGGGTCCGGTAGGGGAGGGTGGAACACCCGGTGTAGCGGTGGAATGCGCAGATATCGGGTGGAACACCGGTGGCGAAGGCGGCCCTCTGGGCCGAGACCGACGCTGAGGCGCGAAAGCTGGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU72;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Lachnospiraceae(0.5991),g:Syntrophococcus(0.3915);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAAAGGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGCAAGTCTGAAGTGAAAGCCCGCGGCTCAACTGCGGAATTGCTTTGGAAACTGTATAGCTTGAGTATCGGAGGGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTACTGGACGATAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU75;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9952),o:"Bacteroidales"(0.9941),f:"Porphyromonadaceae"(0.9884),g:Butyricimonas(0.9875);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAATGGTCTATGGCCTGTAAACCTCTTTTGCCAGGGAAGAATAAAAGGTACGTGTACCTTCTTGCCAGTACCTGACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGCGCGTAGGCGGGACGTCAAGTCAGCGGTAAAAGACTGCAGCTAAACTGTAGCACGCCGTTGAAACTGGCGCCCTCGAGACGAGACGAGGGAGGCGGAACAAGTGAAGTAGCGGTGAAATGCATAGATATCACTTGGAACCCCGATAGCGAAGGCAGCTTCCCAGGCTCGTTCTGACGCTGATGCGCGAGAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU74;tax=d:Bacteria(1.0000),p:Firmicutes(0.9995),c:Clostridia(0.9861),o:Clostridiales(0.9941),f:Lachnospiraceae(0.9480),g:Clostridium_XlVa(0.9705);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTATTTCGGTATGTAAACTTCTATCAGCAGGGAAGAAGATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGATGCAAGCCAGATGTGAAAGCCCGGGGCTCAACCCCGGGACTGCATTTGGAACTGCGTGGCTGGAGTGTCGGAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU76;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9991),c:Epsilonproteobacteria(0.9961),o:Campylobacterales(0.9866),f:Campylobacteraceae(0.9871),g:Campylobacter(0.9837);

ACGGGAGGCAGCAGTAGGGAATATTGCTCAATGGGCGAAAGCCTGAAGCAGCAACGCCGCGTGGAGGATGACACTTTTCGGAGCGTAAACTCCTTTTCTTAGGGAAGAACAATGACGGTACCTAAGGAATAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTACTCGGAATCACTGGGCGTAAAGGACGCGTAGGCGGATTATCAAGTCTTTTGTGAAATCTAATGGCTTAACCATTAAACTGCTTGAGAAACTGATAATCTAGAGTGAGGGAGAGGCAGATGGAATTGGTGGTGTAGGGGTAAAATCCGTAGAGATCACCAAGAATACCCATTGCGAAGGCGATCTGCTAGAACTCAACTGACGCTAATGCGTGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU73;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:"Bacteroidia"(0.1740),o:"Bacteroidales"(0.0781),f:"Porphyromonadaceae"(0.0252),g:Barnesiella(0.0076);

ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATGCCGCGTGAAGGACTAAGGCCCTATGGGCTGTAAACTTCTTTAGACGCAGAGCAATAAGGGCCACGCGTGGTCCGATGAGAGTATGCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCGGCTTTGCAAGTCAGCGGTGAAAGGCCCGGGCTCAACCCGGAAAGTGCCGTTGATACTGTGAGGCTGGAATGCGGATGCTGTGGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCACTCAGAACACCGATTGCGAAGGCATCTCACAAATCCGCAATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU78;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8520),f:"Prevotellaceae"(0.5632),g:Prevotella(0.0904);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGAATAATGTCAGACACGCGTGTCTGCTTGCATGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTTCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGCTGTTCAAGCGTGTCGTGAAATGCGGTTGCTCAACGATCGCACTGCGGCGCGAACTGTCCGGCTTGAGTCAAGTGGAAGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAGGAACTCCGATTGCGAAGGCAGCTTACTGTAGTTGTACTGACGCTGAAGCTCGAAGGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU77;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Bacilli(0.2902),o:Bacillales(0.1249),f:Thermoactinomycetaceae_1(0.0457),g:Desmospora(0.0110);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTCTTCGGATCGTAAACTTCTATCCTTGGTGAAAATGATGATGGTAGCCAAGAAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCTGTTAAGTTTGAAGTGAAAGTCCTTCTTTTAAGGAGGGAATTGCTTTGAAAACTGGCGGGCTTGAGTGCAGGAGAGGTAAGCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTTACTGACGCTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU81;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Clostridiales_Incertae_Sedis_XIII(0.1098),g:Mogibacterium(0.0204);

ACGGGAGGCAGCAGTGGAGAATCTTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGACGGCCCTTGGGTTGTAAACTTCTGTTCTAAGGGAAGATAGTGACGGTACCTTAGGAGCAAGTCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGAATTATTGGGCGTAAAGAGTACGTAGGTGGTTTCCTAAGCATGGGGTTTAAGGCAACGGCTTAACCATTGTTCGCCCCATGAACTGGGTTACTTGAGTGCTGGAGGGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTTCTGGACAGTAACTGACACTGAGGTACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU79;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Ruminococcaceae(0.4563),g:Sporobacter(0.0712);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGAAAGTGACGGTACCTGGAGAAAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGATTCAAGTCAGATGTGAAATCTCAGGGCTTAACCCTGAAACTGCATTTGAAACTGAATCCCTTGAGTATCGGAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU82;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Ruminococcaceae(0.1679),g:Saccharofermentans(0.0204);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGGTCTTCGGATTGTAAACCTTTGTAGACAGGGACGAAGAAATGACGGTACCTGTAAAGTAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGTGTAAAGGGTGAGTAGGCGGGCTGACAAGTCAGATGTGAAATGTTCGGGCTTAACCTGAGAACTGCATTTGAAACTGCCAGTCTTGAGTGTCGGAGGGGTAATCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGATTACTGGACGACAACTGACGCTGATACACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU80;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9820),o:"Bacteroidales"(0.9821),f:"Rikenellaceae"(0.9871),g:Alistipes(0.9781);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCATGCCGCGTGCAGGATGACGGCTCTATGAGTTGTAAACTGCTTTTGTACGAGGGTAAACCCGGATACGTGTATCCGGCTGAAAGTATCGTACGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATTCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTTTGATAAGTTAGAGGTGAAATACCGGTGCTTAACACCGGAACTGCCTCTAATACTGTTGAGCTAGAGAGTAGTTGCGGTAGGCGGAATGTATGGTGTAGCGGTGAAATGCTTAGAGATCATACAGAACACCGATTGCGAAGGCAGCTTACCAAACTATATCTGACGTTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU83;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8267),c:"Bacteroidia"(0.2321),o:"Bacteroidales"(0.1015),f:"Porphyromonadaceae"(0.0355),g:Barnesiella(0.0087);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGCCCTACGGGTCGTAAACTTCTTTAGACGCAGAGCAATAAGGTCCACGCGTGGACCGATGAGAGTATGCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCGGCCGAGTAAGTCAGCGGTGAAAGACCGGGGCTCAACCCTGGAAGTGCCGTTGATACTGTTTGGCTGGAATGATCCCGCCGCGGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCACTCAGAACACCGATTGCGAAGGCATCTCGCGAGGGGTCAATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU86;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9979),o:Lactobacillales(0.9889),f:Lactobacillaceae(0.9871),g:Lactobacillus(0.9799);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGGAGCAGTAACTGGTTTCTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAATGATAAGTCTGATGTGAAAGCCCACGGCTCAACCGTGGAACTGCATCGGAAACTGTCATTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU84;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9540),c:Actinobacteria(0.8472),o:Coriobacteriales(0.6138),f:Coriobacteriaceae(0.4224),g:Paraeggerthella(0.0423);

ACGGGAGGCAGCAGTGGGGAATTTTGCGCAATGGAGGCAACTCTGACGCAGCAACGCCGCGTGCGGGATGAAGGCCCTCGGGTTGTAAACCGCTTTCAGCAGGGAAGACTTCGACTGTACCTGCAGAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGATTCATTGGGCGTAAAGCGCGCGTAGGCGGCTCGCCAAGCGGGATCTCAAACCTGAGGGCTCAACCCCCAGCAGGATCCCGGACTGGCGGGCTCGAGTTCGGTAGGGGAAGGCGGAACTCCCAGTGTAGCGGTGAAATGCGCAGATATTGGGAGGAACACCGATGGCGAAGGCAGCCTTCTGGGCCGTAACTGACGCTGAGGTGCGAAAGCTAGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU85;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Peptococcaceae_1(0.7068),g:Peptococcus(0.5720);

ACGGGAGGCAGCAGTGGGGAATCTTCCGCAATGGGCGAAAGCCTGACGGAGCAATGCCGCGTGAGTGAAGAAGGCCTTCGGGTTGTAAAGCTCTATCCTTGTCCAAGAGAGCAGAGTATAGTAACTGATAGTCTGAGGACGGTAGACAAGAAGGAAGCCCCGGCTAACTATGTGCCAGCAGCCGCGGTAAAACATAGGGGGCAAGCGTTGTCCGGAATCACTGGGCGTAAAGGGCGCGTAGGCGGTCTGTTAAGTCGGATGTGAAATGTAAGGGCTCAACCCTTAACGTGCATCTGATACTGGCAGACTTGAGTGCGGAAGAGGCAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTGCTGGGCCGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU87;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Clostridia(0.9975),o:Clostridiales(0.9968),f:Peptostreptococcaceae(0.9868),g:Peptostreptococcus(0.9743);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAACGATGAAGGTCTTCGGATCGTAAAGTTCTGTTGCAGGGGAAGATAATGACGGTACCCTGTGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGATTTACTGGGCGTAAAGGGTGCGTAGGTGGTCCATCAAGTCGGTGGTTAAAGGCTACGGCTCAACCGTAGTAAGCCTCCGAAACTGTTGGACTTGAGTGCAGGAGAGGAAAGTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTGGGAGGAACACCAGTAGCGAAGGCGGCTTTCTGGACTGCAACTGACACTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU89;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9812),o:Clostridiales(0.9798),f:Lachnospiraceae(0.9868),g:Lachnospiracea_incertae_sedis(0.9724);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGATAATGACGGTACCTGACTAAGAAGCTCCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGGAGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGCGTAGGTGGCAGTGCAAGTCAGATGTGAAAGGCCGGGGCTCAACCCCGGAGCTGCATTTGAAACTGCATAGCTAGAGTACAGGAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACTGTTACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU88;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9871),o:Lactobacillales(0.9821),f:Enterococcaceae(0.9480),g:Enterococcus(0.9705);

ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGACGCAAGTCTGACCGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAACTCTGTTGTTAGAGAAGAACAAGGATGAGAGTGGAAAGTTCATCCCTTGACGGTATCTAACCAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTCTTTTAAGTCTGATGTGAAAGCCCCCGGCTTAACCGGGGAGGGTCATTGGAAACTGGGAGACTTGAGTGCAGAAGAGGAAAGCGGAATTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAGGAACACCAGT

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9),f:"Marinilabiaceae"(0.0457),g:Anaerophaga(0.0110);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGC
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AATGCTCTTGCCGTGGGAGGAATGAGTAGTGTAGCGGTGAAATGCATAGATATTACTCAGAACACCGATTGCGAAG
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2),f:"Porphyromonadaceae"(0.4563),g:Odoribacter(0.2171);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGGAAGGCTGAACCAGCCAAGTCGCGTGAGGGAAGACTGC
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GCGTAGGCGGTTGATTAAGTTAGTGGTAAAATGTCATGGCTAAACCTTGGCCAGCCATTAATACTGGTCAGCTTGAGT
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>OTU92;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8808),c:"Bacteroidia"(0.4045),o:"Bacteroidales"(0.171
9),f:Marinilabiliaceae(0.0560),g:Alkalitalea(0.0134);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCATGCCGCGTGAAGGAATAAGGC
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:Veillonellaceae(0.0710),g:Anaerovibrio(0.0157);
ACGGGAGGCAGCAGTTAGGAATATTGGGCAATGGAGGAAACTCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
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aceae_1(0.9852),g:Clostridium_sensu_stricto(0.9743);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGT
CTTCGGATTGTAAAGCTCTGTCTTTAGGGACGATAATGACGGTACCTAAGGAGGAAGCCACGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGTGGATATTTAA
GTGGGATGTGAAATACCCGGGCTTAACCTGGGTGCTGCATTCCAAACTGGATATCTAGAGTGCAGGAGAGGAAAGG
AGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAATACCAGTGGCGAAGGCGCCTTTCTGGACTGTA
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9),f:Bacteroidaceae(0.6350),g:Bacteroides(0.4787);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGAAGACTGC
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>OTU96;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9180),o:"Bacteroidales"(0.830
3),f:"Prevotellaceae"(0.4224),g:Alloprevotella(0.1299);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTCCGGGTTGTAAACTGCTTTTAGTTGGGAATAAAGTTCGGGACGTGTCCCGATTTGTATGTACCATCAGAAAAAGG
ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGCAGGCGGGCTTTTAAGTCAGTTGTGAAATACGGCGGCTCAACCGTCGGACTGCAGTTGAAACTGGAAGTCTTGA
GTTCACACAGGGATGCCGGAATTCATGGTGTAGCGGTGAAATGCTCAGATATCATGAAGAACTCCGATCGCGAAGGC
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>OTU98;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8755),o:"Bacteroidales"(0.725
2),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0615);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGAGGGATGACTGC
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ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGCAGGCGGTCTTATAAGCGTGACGTGAAATGCAGCGGCTCAACCGTATGATGTGCGTCGCGAACTGTGAGACTTG

AGTGTATTCGATGTCAGCGGAATTTGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGG
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ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
TTTCGGTATGTAAAGCTCTATCAGCAGGAAAGATAATGACGGTACCTGACTAAGAAGCACCGGCTAAATACGTGCCA
GCAGCCGCGGTAATACGTATGGTGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGACGGCATGGCAA
GCCAGATGTGAAAGGTGGGGGCTCAACCCCCAAGCTGCATTTGGAACTGTCAAGCTAGAGTATCGGAGAGGTAAGT
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>OTU97;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Clostridiales_Incertae_Sedis_XII(0.1485),g:Acidaminobacter(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
TTTCGGATTGTAAACCTCTGTCCTTGGTGACGAAGGAAGTGACGGTAGCCAAGGAGGAAGCCCCGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGTGAGTAGGCGGTTTTT
TAAGTTGGATGTGAAATACCCGGGCTTAACTTGGGGGGTGCATTCAAAACTGGAGAACTAGAGTACAGGAGAGGAA
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GAAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU100;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9321),o:"Bacteroidales"(0.8412),f:"Prevotellaceae"(0.5632),g:Prevotella(0.0904);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGAAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTATGGGTTGTAAACTGCTTTTATGTGGGAATAAAGTCAGGGACGTGTCCCTGTTTGCATGTACCACAGGAATAAGG
ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
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spiraceae(0.5991),g:Clostridium_XlVb(0.3479);
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coccaceae(0.2864),g:Acetanaerobacterium(0.0423);
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coccaceae(0.8146),g:Faecalibacterium(0.2607);
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spiraceae(0.5991),g:Oribacterium(0.3479);
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coccaceae(0.9201),g:Oscillibacter(0.7162);
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coccaceae(0.5273),g:Papillibacter(0.0808);
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occaceae(0.9881),g:Streptococcus(0.9856);
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spiraceae(0.5273),g:Lachnospiracea_incertae_sedis(0.1735);
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coccaceae(0.9873),g:Faecalibacterium(0.9566);
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occaceae(0.9879),g:Streptococcus(0.9875);
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es(0.9707),f:Sutterellaceae(0.9387),g:Sutterella(0.9705);
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41),f:"Porphyromonadaceae"(0.9884),g:Parabacteroides(0.9912);
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spiraceae(0.9759),g:Coprococcus(0.9743);
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0.9606),f:"Fibrobacteraceae"(0.9387),g:Fibrobacter(0.9705);
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52),f:"Prevotellaceae"(0.0904),g:Prevotella(0.0181);
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onales(0.9942),f:Desulfovibrionaceae(0.9873),g:Bilophila(0.9705);
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spiraceae(0.5632),g:Ruminococcus2(0.3043);
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coccaceae(0.6350),g:Papillibacter(0.0808);
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iales_Incertae_Sedis_XIII(0.2184),g:Mogibacterium(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGATGAAGGC
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49),f:"Porphyromonadaceae"(0.0457),g:Barnesiella(0.0087);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGAAGAAGGT
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83),f:"Marinilabiaceae"(0.0560),g:Anaerophaga(0.0134);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGAAGTCTGAACCAGCCATGCCGCGTGAAGGAATAAGGC
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dales(0.9934),f:Succinivibrionaceae(0.9884),g:Anaerobiospirillum(0.9875);
ACGGGAGGCAGCAGTAGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCCATGCCGCGTGTGTGAAGAAGGC
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iaceae_2(0.0355),g:Alkaliphilus(0.0087);
ACGGGAGGCAGCAGTCGGGAATATTGCGCAATGGAGGAAACTCTGACGCAGTGACGCCGCGTATAGGAAGAAGGT
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coccaceae(0.1485),g:Acetivibrio(0.0181);
ACGGGAGGCAGCAGTGGGGGATATTAGACAATGGGGGAAACCCTGATCTAGCAACGCCGCGTGAAGGATGAAGGT
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63),f:"Prevotellaceae"(0.6709),g:Alloprevotella(0.4351);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGCGAGACTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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acteraceae(0.0904),g:Gracilibacter(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
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>OTU162;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.92
80),f:Bacteroidaceae(0.5632),g:Bacteroides(0.3915);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
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,f:Spirochaetaceae(0.9868),g:Treponema(0.3915);
ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGGATGATGAAGGC
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eriaceae(0.3544),g:Eubacterium(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGT
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CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGATAG
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GCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTC
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>OTU166;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Rumino
coccaceae(0.3204),g:Papillibacter(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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>OTU167;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9762),o:Clostridiales(0.9497),f:Rumino
coccaceae(0.7428),g:Clostridium_IV(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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eriaceae(0.5991),g:Eubacterium(0.4351);
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>OTU169;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Rumino
coccaceae(0.7068),g:Clostridium_IV(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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,f:Veillonellaceae(0.9895),g:Allisonella(0.9799);
ACGGGAGGCAGCAGTGGGGAATCTTCCGCAATGGACGAAAGTCTGACGGAGCAACGCCGCGTGAACGATGAAGGT
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>OTU170;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Rumino
coccaceae(0.0904),g:Fastidiosipila(0.0134);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGACGG
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coccaceae(0.0710),g:Intestinimonas(0.0110);
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GAATTCCCGGTGTAGCGGTGAAATGCATAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTTTTA
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coccales(0.0000),f:Methanomassiliicoccaceae(0.0000),g:Methanomassiliicoccus(0.0000);
GGCTTAATTTGACTCAACGCGGGAAAACTTATCAGGTCCAGACATAGTGAGGATTGACAGATTGAGAGCTCTTTCTTG
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>OTU171;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9877),o:Clostridiales(0.9940),f:Eubacteriaceae(0.9898),g:Eubacterium(0.9781);

ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGGGCAACCCTGACGCAGCAATACCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTATTGGGGAAGAAAACATGACGGTACCCAATGAGGAAGTCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGACAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGCGTAGGCGGTCTATTAAGTCTGATGTGAAAGGTACCGGCTCAACCGGTGAAGTGCATTGGAAACTGGTAGACTTGAGTATTGGAGAGGCAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACAAATACTGACGCTGAGGTGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU176;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9671),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.5766),f:"Porphyromonadaceae"(0.3544),g:Barnesiella(0.0712);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGCCCTACGGGTTGTAAACCTCTTTTGCCGGGGAGCAACGCTGCGGACGTGTCCGCAGGTGAGAGTACCCGGAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCCGGCTGTCAAGTCAGCGGTAAAAATTCGGGGCTCAACCCCGTAAAGCCGTTGAAACTGGCGGTCTTGAGTAGCGGCGAGGCATGCGGAATGCGAGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACTCCGATTGCGAAGGCAGCATGCCAGCCGCCGACTGACGCTGAGGCACGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU177;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9994),c:"Bacteroidia"(0.9866),o:"Bacteroidales"(0.9941),f:"Rikenellaceae"(0.9892),g:Alistipes(0.9915);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCATGCCGCGTGCAGGAAGACGGCTCTATGAGTTGTAAACTGCTTTTGTACTAGGGTAAACGCTTCTACGTGTAGGAGCCTGAAAGTATAGTACGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTTTGATAAGTTAGAGGTGAAATACCGGGGCTCAACTCCGGAACTGCCTCTAATACTGTTGAACTAGAGAGTAGTTGCGGTAGGCGGAATGTATGGTGTAGCGGTGAAATGCTTAGAGATCATACAGAACACCGATTGCGAAGGCAGCTTACCAAACTATATCTGACGTTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU178;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8808),c:Sphingobacteriia(0.3483),o:"Sphingobacteriales"(0.1483),f:Sphingobacteriaceae(0.0560),g:Parapedobacter(0.0134);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCATGCCGCGTGAAGGAATAAGGCCCTATGGGTCGTAAACTTCTTTTGTATCGGAGCAATAAGGGCCACGAGTGGTCCGATGAGATTACGATACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCTGTTCTGCAAGTCAGCGGTGAAAGCCCGGGGCTCAACCCCGGAAATGCCGTTGATACTGCGGGGCTGGAATACGGATGCCGTGGGAGGAATGAGTAGTGTAGCGGTGAAATGCATAGATATTACTCAGAACACCGATTGCGAAGGCATCTCACGAATCCGTTATTGACGCTGAGGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU175;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Clostridiaceae_1(0.0457),g:Clostridium_sensu_stricto(0.0110);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGATGAAGGTCTTCGGATTGTAAAGCTCTTTGATTAGGGACGAAGAAAGTGACGGTACCTAAAGAACAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGTGTGTAGGCGGTTTTACAAGTTAGATGTGAAATACCCAGGGCTTAACTCGGGTGCTGCATCTAAGACTGTAAGACTTGAGTGTCGGAGAGGTAAATGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGATTTACTGGACGATAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU179;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9180),o:"Bacteroidales"(0.8303),f:"Prevotellaceae"(0.4563),g:Alloprevotella(0.1299);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTCCGGGTTGTAAACTGCTTTTAGTTGGGAATAAAAAAGATGACGTGTCATCTATTGTATGTACCATCAGAAAAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCAGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGAGAGATAAGTCAGCGGTAAAATCGTGCGGCTCAACCGTACCTCGCCGTTGATACTGTTTTTCTTGAGTGCACACAGGGATGCTGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATCGCGAAGGCAGGTGTCCGGGGTGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU180;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9604),o:"Bacteroidales"(0.8629),f:"Prevotellaceae"(0.5273),g:Prevotella(0.0808);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTACGGGTTGTAAACTGCTTTTATGAAGGAATAAAGTCACCCACGTGTGGGTGTTTGCATGTACTTTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGCCTGGTAAGCGTGTTGTGAAATGTCGTTGCTCAACAACGTCACTGCAGCGCGAACTGCCGGGCTTGAGTGTGCGGAAAGCGGGCGGAATTTGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCGCTGTAGCATTACTGACGCTGAAGCTCGAAGGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU182;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Clostridia(0.9851),o:Clostridiales(0.9934),f:Clostridiaceae_1(0.7068),g:Clostridium_sensu_stricto(0.5720);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGTCTTCGGATTGTAAAGCTCTGTCTTTGGGGACGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTCTTAAGTGGGATGTGAAATACCTGGGCTTAACCTGGGTGCTGCATTCCAAACTGGGAATCTAGAGTGCAGGAGGGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU181;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Rumino
coccaceae(0.4563),g:Pseudoflavonifractor(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGATGAAGGT
TTTCGGATTGTAAACTTCTTTTAAGAGGGACGATAATGACGGTACCTCTTGAATAAGCCCCGGCTAACTACGTGCCAG
CAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGATTTCAAG
TCAGATGTGAAAACCGAAGGCTCAACCTTCGGCCTGCATTTGAAACTGAAGTTCTTGAGTGCTGGAGAGGCTAACGG
AATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGTTAGCTGGACAGTAAC
TGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU184;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Rumino
coccaceae(0.1872),g:Intestinimonas(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGG
TCTTCGGATTGTAAACCTTTGTAGACAGGGAAGAAGAAAGTGACGGTACCTGTAAAGTAAGCCACGGCTAACTACGT
GCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGTGTAGGCGGGAAA
GTGGGTCAGATGTGAAATACCAAGGCTAAACCATGGAGCTGCATTTGAAACTGCTTTTCTTGAGAGTGGGAGAGGTA
AGCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACC
ATTACTGACGCTGAGACACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU183;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.7114),o:Clostridiales(0.3959),f:Rumino
coccaceae(0.1872),g:Intestinimonas(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGG
TCTTCGGATTGTAAACCTTAGTTAGCAGGGAAGAAGAAAGTGACGGTACCTGCAGAGAAAGCCACGGCTAACTACGT
GCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGTGTAGGCGGGCAA
ACAAGTCAGATGTGAAAACTATGGGCTTAACCCATAGCCTGCATTTGAAACTGTATGTCTTGAGGATGGGAGAGGTA
AATGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGTTTACTGGACC
ATTACTGACGCTGAGACACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU186;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9540),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.39
59),f:"Porphyromonadaceae"(0.1679),g:Barnesiella(0.0204);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTCGCGTGAAGGAAGACGGC
CCTATGGGTTGTAAACTTCTTTAGGGTGGGAACAAAGGACGCCACGTGTGGCGAGATGAGTGTACCACCAGAATAA
GCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGG
GTGCGTAGGCGGTTTGTCAAGTCAGCGGTCAAACTGCGGGGCTTAACCTCGTATTGCCGTTGAAACTGGCTGACTAG
CGTGGCGTCGAGGTGTGCGGAATGCGTTGTGTAGCGGTGAAATGCATAGATATGACGCAGAACTCCGATTGCGAAG
GCAGCACACCGGGCGCCTACGGACGCTGAGGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU188;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9572),c:"Bacteroidia"(0.8048),o:"Bacteroidales"(0.5395),f:"Prevotellaceae"(0.1679),g:Paraprevotella(0.0326);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAGGGATGACTGCCCTATGGGTTGTAAACCTCTTTTGATTGGGAACAAAGAGCGCCACGTGTGGTGCGTTGCGTGTACCTTTCGAATAAGCATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGCTGTTAAGTCAGCGGTCAAATGTCAGGGCCCAACCTTGGCATGCCGTTGATACTGGCGGCCTTGAGTTCACACAAGGAAGGTGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTTCTGGGGTGTTACTGACGCTGAGGCTCGAAAGTGCGGGAATCAAACAGGATTAGATACCCTGGTA

>OTU185;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Defluviitaleaceae(0.2864),g:Defluviitalea(0.0808);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCGACGCCGCGTGAAGGATGAAGGTCTTCGGATCGTAAACTTCTATCAGCAGGGAAGAAACCATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGCGTAGGCGGCGATTTAAGTCAGATGTGAAAACTCAGGGCTCAACCTTGAGACTGCATCTGAAACTGAGTTGCTAGAGTGCAGGAGAGGAAAGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGAGATTCGGAGGAACACCAGTAGCGAAGGCGGCTTTCTGGACTGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU187;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9769),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3319),f:"Prevotellaceae"(0.1098),g:Prevotella(0.0157);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGAGAGGCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTACGGGTTGTAAACTGCTTTTGCGGGAGGATAAAGTGCGCCACGCGTGGCGCTTTGCAGGTATCCCGTGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCGGAGGTGCAAGCGTGCCGTGAAAGCGCGGGGCTCAACCCCGTACAGCGGCGCGAACTGCTCCCCTTGGTTGCGGGAAGGGAAGGCGGAACTCGTGGTGTAGCGGTGAAATGCATAGATATCACGAAGAACTCCGATCGCGAAGGCAGCCTTCCGGCCCGTCAACGACGCTCATGCTCGAAGGCGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU190;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9802),c:Deltaproteobacteria(0.9462),o:Desulfovibrionales(0.8303),f:Desulfovibrionaceae(0.4914),g:Desulfovibrio(0.2607);

ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGTCTTCGGATCGTAAACCTCTGTCAGAAGGGAAGAATAAGCATTGTTCTAATCAGCAGTGCCCTGACGGTACCTTCAAAGGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGCATGTAGGCTGTACGGCAAGTTGGAGGTGAAATCCCACGGCTCAACCGTGGAACTGCCTTCAAAACTACCGAACTGGAGTGCGAGAGAGGATAGCGGAATTCCAGGTGTAGGAGTGAAATCCGTAGATATCTGGAAGAACATCAGTGGCGAAGGCGGCTATCTGGCTCGTAACTGACGCTGAGATGCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU189;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Rumino
coccaceae(0.2864),g:Intestinimonas(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAAGGAAGAAGG
CCCTCGGGTTGTAAACTTCAGTCAACAGGGAAGAAACAAATGACGGTACCTGTGGAGGAAGCCACGGCTAACTACGT
GCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGTGTAGGCGGGTCT
GCAAGTCAGATGTGAAAACTATGGGCTCAACTCATAGCTTGCATTTGAAACTGTGGATCTTGAGTGTCGGAGAGGTA
AATGGAATTCCCGGTGTAGAGGTGAAATTCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGTTTACTGGACG
ATTACTGACGCTGAGACACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU192;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9572),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.50
23),f:"Porphyromonadaceae"(0.2864),g:Barnesiella(0.0326);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGT
CCTACGGATTGTAAACCTCTTTTGTCGGGGAGTAATAGGCGGGACGTGTCCTGCTGTGAGAGTACCCGAAGAAAAAG
CATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGG
TGCGCAGGCGGCGTGCCAAGTCAGCGGTCAAAGTTCCGGGCTCAACCCGGTGATGCCGTTGAAACTGGTGTGCTTGA
GTGCGTGCGAGGGAGGCGGAATGCGTTGTGTAGCGGTGAAATGCATAGATATGACGCAGAACTCCGATTGCGAAG
GCAGCTTTCCAGCACGCCACTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU191;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9572),c:"Bacteroidia"(0.7114),o:"Bacteroidales"(0.42
80),f:"Porphyromonadaceae"(0.2524),g:Barnesiella(0.0423);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGC
CCTAAGGGTTGTAAACCTCTTTTGCCGGGGAGCAAAAGCGCCGTGCGCGGTGCTATGAGAGTACCCGGAGAAAAAG
CATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGG
TGCGTAGGCGGACAGTTAAGTCAGCGGTCAAAACGGGCGGCTCAACCGCCTGCCGCCGTTGAAACTGGCAGTCTAG
AGTGGGCGAGAAGTACGCGGAATGCGCGGTGTAGCGGTGAAATGCATAGATATTGCGCAGAACTCCGATTGCGAAG
GCAGCGTACCGGCGCCCGACTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU193;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9812),o:"Bacteroidales"(0.97
98),f:"Prevotellaceae"(0.9201),g:Prevotella(0.8124);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
CCTATGGGTTGTAAACTGCTTTTATAAGGGAATAAAGTGGGTCACGTGTGACTTTTTGCATGTACCTTATGAATAAGG
ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCCGGAGATTAAGCGTGTTGTGAAATGTAGTGGCTCAACCTCTGCACTGCAGCGCGAACTGGTCTTCTTGA
GTACGCACAACGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGG
CAGCTCACGGGAGCGCAACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU194;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9861),o:Clostridiales(0.9941),f:Lachnospiraceae(0.9876),g:Clostridium_XlVb(0.9743);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAAGGAAGAAGGGTTTCGGCTCGTAAACTTCTATCAATAGGGAAGAAACAAATGACGGTACCTAAATAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGCATGGTAAGCCAGATGTGAAAGCCTTGGGCTTAACCCGAGGATTGCATTTGGAACTATCAAGCTAGAGTACAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGAAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU197;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Eubacteriaceae(0.3544),g:Eubacterium(0.1299);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGTTTTCGGATTGTAAACCTTTGTCTTTGGTGAAGAAGAAAGTGACGGTAGCCAAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGAGCGCAAGTTGGATGTGAAATACCGCAGCTTAACTGCGGAGCTGCATCCAAAACTGTGTTTCTTGAGTGAAGTAGAGGTAGGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCGGTGGCGAAGGCGGCCTACTGGGCTTTTACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU196;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.6899),c:Deltaproteobacteria(0.3483),o:Desulfuromonadales(0.1015),f:Desulfuromonadaceae(0.0355),g:Pelobacter(0.0087);

ACGGGAGGCAGCAGTGGGGAATCTTGCGCAATGGAGGAAACTCTGACGCAGCCATGCCGCGTGAGTGATGAAGGCCTTCGGGTTGTAAAGCTCTGTCTAAGGGGAAAAATGATGCGATGTCGAATAGGCATGGCAAGTGATGGTACCCTTAAAGAAAACACCGGCTAACTCCGTGCCAGCAGCCGCGGCAATACGGGGGGTGTAAGCGTTGTTCGGAATTACTGGGCGTAAAGGGCGTGCAGGCGGCCACCGCAAGTTGAATGTGAAATCCCCGGGCTTAACCCGGGAAGTGCGTTCAAGACTGCGGGGCTTGAATACGGGAGAGGATCGTGGAATTCCTGGTGTAGAGGTGAAATTCGTAGATATCAGGAGGAACACTCGTGGCGAAGGCGACGGTCTGGACCGATATTGACGCTGAGACGCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU195;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Ruminococcaceae(0.0710),g:Ruminococcus(0.0157);

ACGGGAGGCAGCAGTGGGGAATATTAGGCAATGGGCGAAAGCCTGACCTAGCAACGCCGCGTGAGGGAAGAAGGTCTTCGGATTGTAAACCTCTGTCCTTGGTGAAGAACACAATGACATTAGCCAAGGGAGAAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGTAGGCTAAGTTGGATGTGAAATACCCGGGCTTAACTTGGGGGCTGCATTCAAAACTGGTTTACTAGAGTTCAGGAGAGGGAAGCGGAATTCCTAGTGTAGCGGTAAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTTCTGGACTGACACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU198;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9769),c:"Bacteroidia"(0.8897),o:"Bacteroidales"(0.7623),f:"Prevotellaceae"(0.3884),g:Alloprevotella(0.0712);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTACGGGTTGTAAACTGCTTTTAGGCGGGGGTAAAGGGGCGCACGTGCTGCGCCTTTGCAAGTACCGCCAGAAAAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGCTATTAAGTCAGCTGTGAAATCCGGCGGCTCAACCGTCGGCCTGCAGTTGATACTGGTGGTCTTGAGTGCGCGCAGGGGCGTTGGAATTCATGGTGTAGCGGTGAAATGCTCAGATATCATGAAGAACTCCGATCGCGAAGGCAGATGCCCGGAGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU200;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Ruminococcaceae(0.3544),g:Intestinimonas(0.0423);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGAAAGTGACGGTACCTGGAGAAAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGGTGCAAGTCAGAAGTGAAATCCACGGGCTTAACTCGTGAACTGCTTTTGAAACTGTACCCCTTGAGTATCGGAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU201;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Lachnospiraceae(0.4224),g:Clostridium_XlVa(0.2171);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAAGGAGGAAGTATTTCGGTATGTAAACTTCTATCAGCAGGGAAGAAAGTGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTTTCGTAAGTCTGATGTGAAAATTTGGGGCTCAACCCCAAAACTGCATTGGAAACTATGGAACTGGAGTGTCGGAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACGATAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU199;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.4280),f:Ruminococcaceae(0.2184),g:Intestinimonas(0.0204);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAAGGATGAAGGTCTTCGGATTGTAAACTTCTGTCTACAGGGACGAACAAATGACGGTACCTGTAAAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGTGTAGGCGGGAAGCCAAGTCAGATGTGAAAATCATGGGCTCAACTCATGACTTGCATTTGAAACTGGTTTTCTTGAGTATGGGAGAGGTAAATGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGTTTACTGGACCACAACTGACGCTGATACACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU202;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Eubacteriaceae(0.1679),g:Eubacterium(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGACGGTTTTCGGATTGTAAACTTCTTTTCTTAGTGAAGAAGAAAGTGACGGTAGCTAAGGAATAAGCATCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGATGCGAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGACTGCAAGTTGGATGTGAAATGCCGCAGCTTAACTGCGGAGCTGCATCCAAAACTGTAGTTCTTGAGTGGAGTAGAGGCAAGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTCTAACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU204;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9997),c:"Bacteroidia"(0.9913),o:"Bacteroidales"(0.9936),f:Bacteroidaceae(0.9881),g:Bacteroides(0.9910);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGTCCTACGGATTGTAAACTTCTTTTATAAGGGAATAAAACCTCCCACGTGTGGGAGCTTGTATGTACCTTATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGACGGGTCGTTAAGTCAGCTGTGAAAGTTTGGGGCTCAACCTTAAAATTGCAGTTGATACTGGCGTCCTTGAGTGCGGTTGAGGTGTGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCACACTAAGCCGTAACTGACGTTCATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU203;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8448),c:"Bacteroidia"(0.4045),o:"Bacteroidales"(0.1719),f:"Porphyromonadaceae"(0.0560),g:Parabacteroides(0.0087);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGCCGCGTGAGGGAAGAAGGCGCTCAGCGTCGTAAACCTCTTTAGCCGGGGGACAAAACCTCCTCGCGAAGGAGGCTTGAGAGTACCCGGAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGACATTCAAGTCTGCGGTCAAATTCCGGGGCTCAACCCCGGCCAGCCGTGGAAACTGAATGACTTGAGTGGGCGAGAGGTATGCGGAATGCGCGGTGTAGCGGTGAAATGCTTAGAGATCGCGCAGAACTCCGATTGCGAAGGCAGCATACCGGCGCCTTACTGACGCTCAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU206;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9769),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.7995),f:"Prevotellaceae"(0.4224),g:Alloprevotella(0.0904);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGCAAGGCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTCGGGTTGTAAACTGCTTTTAGTCGGGAATAAAAGGGCGCACGTGTGCGTCGTATTGCAAGTACCGTCAGAAAAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGTCTGGTAAGTCAGCTGTGAAAACGCGGGGCTCAACTCCGCGCCTGCAGTTGATACTGTCGGACTTGAGTGCACGCAGGGATGCCGGAATTCATGGTGTAGCGGTGAAATGCTTAGATATCATGAAGAACTCCGATCGCGAAGGCAGGTGTCCGGAGTGCTACTGACGCTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU205;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Rumino
coccaceae(0.0710),g:Clostridium_III(0.0157);
ACGGGAGGCAGCAGTGGGGAATCTTGGGCAATGGGGGAAACCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGG
TCTTCGGATTGTAAACCTTTGTGACAGGGGACGAAGGAAGTGACGGTACCCTGTGAGGAAGCCCCGGCTAACTACGT
GCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGCGCGTAGGCGGTTG
AATAAGTCTGTTGTGAAATTCCAAGGCTTAACTTTGGCAGTGCAATGGAAACTGTTCGACTTGAGTACGGCAGAGGC
AAGTGGAATTCCCAGTGTAGCGGTGAAATGCACAGAGATTGGGAGGAACACCAGTGGCGAAGGCGACTTGCTGGG
CCGAAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU207;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9997),c:Epsilonproteobacteria(1.0000),o:Campyloba
cterales(0.9940),f:Campylobacteraceae(0.9887),g:Campylobacter(0.9915);
ACGGGAGGCAGCAGTAGGGAATATTGCTCAATGGGGGAAACCCTGAAGCAGCAACGCCGCGTGGAGGATGACACT
TTTCGGAGCGTAAACTCCTTTTGTTGGGGAAGAACCATGACGGTACCCAACGAATAAGCACCGGCTAACTCCGTGCC
AGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTACTCGGAATCACTGGGCGTAAAGGACGCGTAGGCGGATTATCA
AGTCTTTTGTGAAATCTAACAGCTCAACTGTTAAACTGCTTGAGAAACTGATAATCTAGAGTGAGGGAGAGGCAGAT
GGAATTGGTGGTGTAGGGGTAAAATCCGTAGAGATCACCAGGAATACCCATTGCGAAGGCGATCTGCTGGAACTCA
ACTGACGCTAATGCGTGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU209;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Rumino
coccaceae(0.2864),g:Clostridium_IV(0.0519);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGGGAAGAAGGT
CTTCGGATTGTAAACCTAAGTAGCCAGGGACGATAATGACGGTACCTGGAGAGTAAGCTCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGGATGGCA
AGTCAGATGTGAAATACCGGGGCTTAACCCCGGGGCTGCATTTGAAACTGTCGTTCTTGAGTGAAGTAGAGGCAGGC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTA
ACTGACGCTGAGGCACGAAAGCATGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU208;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Rumino
coccaceae(0.6350),g:Clostridium_IV(0.1735);
ACGGGAGGCAGCAGTGAGGGATATTGGGCAATGGGGGCAACCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
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GCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGATTGGCAA
GTCAGAAGTGAAATCCATGGGCTTAACTCATGAACTGCTTTTGAAACTGTTAGTCTTGAGTGAAGTAGAGGTAGGCG
GAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGGCTTTAA
CTGACGCTGAGGCACGAAAGTGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU210;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:Flavobacteriia(0.3483),o:"Flavobacteriales"(0.1483),f:Flavobacteriaceae(0.0560),g:Ornithobacterium(0.0134);

ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATGCCGCGTGAAGGACTAAGGCCCTATGGGTCGTAAACTTCTTTTGACGCAGAGCAATAAGGATTACGTGTAGTCTGATGAGAGTATGCGTCGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGATGGGTAAGTCAGCGGTGAAATGTCCCGGCTCAACCGGGGAACTGCCATTGATACTGCCTGTCTTGAATGCGGATGCCGTGGGAGGAATGTGTAGTGTAGCGGTGAAATGCATAGATATTACACAGAACACCGATTGCGAAGGCATCTCACGAATCCGTTATTGACGCTGAGGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU212;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Lachnospiraceae(0.4914),g:Blautia(0.1299);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGGTGAAGAAGTTTTTCGGAATGTAAAGCCCTATCAGCAGGGAAGATAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAACAGCAAGTCTGAAGTGAAATGTAGGGGCTCAACCCCTGAACTGCTTTGGAAACTGTTGATCTTGAGTACCGGAGGGGCAGGCGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATCAGGAAGAACACCGGTGGCGAAGGCGGCCTGCTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU211;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.4652),f:Ruminococcaceae(0.2524),g:Intestinimonas(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGGTCTTCGGATTGTAAACCTTAGTCAACAGGGAAGAAGAAAGTGACGGTACCTGTGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGTGTAGGCGGGATTGCAAGTCAGATGTGAAACCTATGGGCTTAACCCATAGCCTGCATTTGAAACTGTGATTCTTGAGTGTGGGAGAGGTAAGCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACCACAACTGACGCTGAGACACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU214;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9997),c:Spirochaetia(1.0000),o:Spirochaetales(1.0000),f:Spirochaetaceae(1.0000),g:Treponema(0.9946);

ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGAGGAAACTCTGACGGAGCAACGCCGCGTGGACGATGAAGGCCGGAAGGTTGTAAAGTCCTTTTATAATTGAGGAATAAGCGGGACAGGGAATGGTTCCGCGGTGACTGTAGATTATGAATAAGCACCGGCTAATTACGTGCCAGCAGCCGCGGTAACACGTAAGGTGCGAGCGTTATTCGGAATTATTGGGCGTAAAGGGCACGCAGGCGGCTTTGCAAGCTTGGTGTGAAATCTCAGGGCTCAACCCTGAAACTGCATTGAGAACTGCATGGCTAGAGTTAGTGAGGGGAAACCGGAATTCCAGGTGTAGGGGTGAAATCTGTAGATATCTGGAAGAACACCAATGGCGAAGGCAGGTTTCCAGCACATAACTGACGCTCAGGTGCGAAGGTGCGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU213;tax=d:Bacteria(1.0000),p:"Synergistetes"(0.4311),c:Synergistia(0.2321),o:Synergistales(0.1015),f:Synergistaceae(0.0355),g:Pyramidobacter(0.0087);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATCGTAAACCTCTGTTGTAGGGGACGAGGAAAAGACGGTACCCTACGAGGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGCGTAGGCGGTTTTGTAAGTCTGGAGTGAAACCCCCGTTTTCAAGGCGGGGCCTGCTTTGGAGACTGCAGGACTTGAGTGATGGAGAGGATAGCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGCTATCTGGACATAGACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU215;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9947),o:"Bacteroidales"(0.9936),f:"Porphyromonadaceae"(0.9884),g:Butyricimonas(0.9875);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGATGAATGGTCTATGGCCTGTAAACCTCTTTTGTCAAGGAAGAATAAATCGCACGGGTGCGATCTTGCCAGTACTTGACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGCGCGTAGGCGGGACGTCAAGTCAGCGGTAAAAGACTGCAGCTAAACTGTAGCACGCCGTTGAAACTGGCGCCCTGGAGACGAGACGAGGGAGGCGGAACAAGTGAAGTAGCGGTGAAATGCATAGATATCACTTGGAACCCCGATAGCGAAGGCAGCTTCCCAGGCTCGATCTGACGCTGATGCGCGAGAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU216;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9755),o:Clostridiales(0.9280),f:Ruminococcaceae(0.8864),g:Oscillibacter(0.3915);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTAAGTGGGAAGAGTAGAAGACGGTACCACTTGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGCAGCCGGGCATGCAAGTCAGATGTGAAATCTCAGGGCTTAACCCTGAAACTGCATTTGAAACTGTATGTCTTGAGTGCCGGAGAGGTAATCGGAATTCCTTGTGTAGCGGTGAAATGCGTAGATATAAGGAAGAACACCAGTGGCGAAGGCGGATTACTGGACGGTAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU217;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9704),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.6881),f:"Prevotellaceae"(0.3884),g:Alloprevotella(0.0519);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGTAAGTCTGAACCAGCCAAGTAGCGTGCAGGATGAAGGCCCTCTGGGTCGTAAACTGCTTTTGGGTGAGGGTAAAAGGCGGGACGTGTCCTGCGTATTGCAAGTATCACCCGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCGGTTCTTCAAGTCAGTTGTGAAAACGCGGGGCTTAACCTCGCGCCTGCAGTTGATACTGTTGAACTTGAGTGCACACAGGGATGTTGGAATTCATGGTGTAGCGGTGAAATGCTTAGATATCATGAAGAACTCCGATCGCGAAGGCATATGTCCGGTGTGTTACTGACGCTGAGGCTCGAAAGCGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU218;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Clostridia(0.9834),o:Clostridiales(0.9866),f:Rumino
coccaceae(0.9868),g:Clostridium_IV(0.9781);
ACGGGAGGCAGCAGTGGGGGATATTGGACAATGGGGGCAACCCTGATCCAGCGACGCCGCGTGAGGGAAGAAGGT
TTTCGGATTGTAAACCTCTGTTGACGGAGAAAAAGATGATGGTATCCGTTTAGAAAGCCACGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGTGTAGGCGGGATTTTAA
GTCAGAAGTGAAAATTACGGGCTCAACTCGTAACCTGCTTTTGAAACTGAAATTCTTGAGTGAAGTAGAGGCAAGCG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTTTTAC
TGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU219;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Clostridia(0.9871),o:Clostridiales(0.9940),f:Rumino
coccaceae(0.9892),g:Ruminococcus(0.9894);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAAGGATGAAGGT
TTTCGGATTGTAAACTTCTTTTATTAAGGACGAAAAATGACGGTACTTAATGAATAAGCTCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCTTTGCAA
GTCAGATGTGAAATCTATGGGCTCAACCCATAAACTGCATTTGAAACTGTAGAGCTTGAGTGAAGTAGAGGCAGGCG
GAATTCCCCGTGTAGCGGTGAAATGCGTAGAGATGGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTAA
CTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU220;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9671),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.61
38),f:"Porphyromonadaceae"(0.3544),g:Barnesiella(0.0519);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTCGCGTGAGGGATGACGGT
CCTACGGATTGTAAACCTCTTTTGCCGGGGAGCAAGCGTGCGTTCGTGAACGCGCGTCGAGAGTACCCGGAGAAAAA
GCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGG
GTGCGTAGGCGGGATGCCAAGTCAGCGGTAAAAATGCGGTGCTCAACGCCGTCGAGCCGTTGAAACTGGCGTTCTT
GAGTGGGCGAGAAGTATGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACTCCGATTGCGAA
GGCAGCATACCGGCGCCCTACTGACGCTGAGGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU221;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Betaproteobacteria(0.9840),o:Burkholderial
es(0.9889),f:Sutterellaceae(0.9879),g:Sutterella(0.9894);
ACGGGAGGCAGCAGTGGGGAATTTTGGACAATGGGCGAAAGCCTGATCCAGCCATGCCGCGTGTGGGATGAAGGC
CTTCGGGTTGTAAACCACTTTTGTCAGGGACGAAAAGGTTCAGGCTAATACCTTGAACTGCTGACGGTACCTGAAGA
ATAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTA
AAGCGTGCGCAGGCGGTTCTGTAAGATAGATGTGAAATCCCCGGGCTTAACCTTGGAATTGCATTTATGACTGCAGG
ACTCGAGTTTGTCAGAGGGGGGTGGAATTCCAAGTGTAGCAGTGAAATGCGTAGATATTTGGAAGAACACCGATGG
CGAAGGCAGCCCCCTGGGACATGACTGACGCTCATGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGT
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>OTU222;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9168),c:Flavobacteriia(0.4812),o:"Flavobacteriales"(0.2359),f:Flavobacteriaceae(0.1098),g:Capnocytophaga(0.0157);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGATGGAAATCTGATCCAGCCATGCCGCGTGAAGGAATACGGTCCTATGGATTTTAAACTTCTTTTGTATGGGAGCAATAAGGTCTACGTGTAGACCGATGAGATTACCATACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCTGTGATGTAAGTCAGTGGTGAAATGTACCGGCTTAACCGGTAAACTGCCGTTGATACTGCATTGCTGGAATACGGTTGCCGTGGGAGGAATGTGTAGTGTAGCGGTGAAATGCATAGATATTACACAGAACACCGATTGCGAAGGCATCTCACGAAGCCGCGATTGACGCTGATGCACGAAAGTGCGGGGATCAAACAGGATTAGATACCCTGGTA
>OTU223;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Clostridia(0.9762),o:Clostridiales(0.9497),f:Lachnospiraceae(0.8505),g:Anaerostipes(0.6200);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGCGTAGGTGGTGCGGCAAGTCAGAAGTGAAAGCCCGGGGCTCAACTCCGGGACTGCTTTTGAAACTGTCGGACTGGAGTGCAGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTCACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU224;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Ruminococcaceae(0.4914),g:Intestinimonas(0.0615);
ACGGGAGGCAGCAGTGAGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGACGGTTTTCGGATTGTAAACTTCTTTTAAGAGGGACGATAATGACGGTACCTCTTGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGAGTAGGCGGACCTGCAAGTCAGATGTGAAATCCCCGGGCTTAACCCGGGAACTGCATTTGAAACTGTAGGCCTTGAGTGATGGAGAGGCAGGCGGAATTCCCGGTGTAGCGGTGGAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACATTAACTGACGCTGAGGAGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU225;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9997),c:"Bacteroidia"(0.9897),o:"Bacteroidales"(0.9937),f:"Porphyromonadaceae"(0.9904),g:Parabacteroides(0.9912);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGAGAGGCTGAACCAGCCAAGTCGCGTGAAGGAAGAAGGATCTATGGTTTGTAAACTTCTTTTATAGGGGAATAAAGTGGAGGACGTGTCCTTTTTTGTATGTACCCTATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGTGGTGATTTAAGTCAGCGGTGAAAGTTTGTGGCTCAACCATAAAATTGCCGTTGAAACTGGGTTACTTGAGTGTGTTTGAGGTAGGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACTCCGATTGCGAAGGCAGCTTACTAAACCATAACTGACACTGAAGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU228;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8628),c:Sphingobacteriia(0.2902),o:"Sphingobacteriales"(0.1249),f:Sphingobacteriaceae(0.0457),g:Parapedobacter(0.0110);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAAAGTCTGAACCAGCCATGCCGCGTGAAGGAATAAGGC
CCTATGGGTCGTAAACTTCTTTTGTATGTGAGCAATAAGGTCCACGTGTGGTCCGATGAGAGTAGCATACGAATAAGC
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCAAGCGTTATCCGGATTCATTGGGTTTAAAGGGT
GCGTAGGCGGCTTGGTAAGTCAGCGGTGAAATTCCAGTGCTCAACATTGGCCGTGCCGTTGATACTGCTGGGCTTGA
ATGCGGATGCCGTGGGAGGAATGTGTGGTGTAGCGGTGAAATGCATAGATATCACACAGAACACCGATTGCGAAGG
CATCTCACGAATCCGCAATTGACGCTGAGGCACGAAAGTGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU229;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.9063),f:"Prevotellaceae"(0.6350),g:Prevotella(0.3043);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTGAGGGACGTGTCCCTTTTTGTAGGTACCGCATGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCCGTCGTTTAAGCGTGTTGTGAAATGCCGCGGCTCAACCGTGGCACTGCAGCGCGAACTGGATGACTTG
AGTTCGCGGGAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAG
GCAGCTTACCGTAGCGTTACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU226;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9168),c:Sphingobacteriia(0.3483),o:"Sphingobacteriales"(0.1483),f:Sphingobacteriaceae(0.0560),g:Solitalea(0.0134);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCAGGATGACGGC
CCTATGGGTTGTAAACTGCTTTTGCTGTGGAGCAATAAGGGTCACGCGCTGACCCGATGAGAGTACACAGCGAATAA
GCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGG
GTGCGTAGGCTGTGCGGTAAGTCAGAGGTGAAAGGTCCGCGCTCAACGCGGGAACTGCCTTTGATACTGCCGTGCT
GGAGTGCGGATGCCGTTGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCACTCAGAACACCGATTGCGA
AGGCATCTGACGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA

>OTU227;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9671),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.5766),f:"Porphyromonadaceae"(0.2184),g:Parabacteroides(0.0615);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAAGGATGAAGGT
TCTATGGATTGTAAACTTCTTTTATTCGAGGGTAAAGTGAGGTACGTGTACCTTATTGCAAGTATCGAATGAATAAGC
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGT
GCGTAGGCGGATTATTAAGTCAGCGGTGAAAGCGTGTGGCTCAACCATACAGTTGCCGTTGATACTGGTAGTCTTGA
GTGTAAACGAGGTAGGCGGAATGTGATGTGTAGCGGTGAAATGCTTAGATATGTCACAGAACCCCGATTGCGAAGG
CAGCTTACCAGGATACGACTGACGCTGAGGCACGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU231;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Lachnospiraceae(0.4563),g:Clostridium_XlVa(0.2607);

ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGGGAAACCCTGATCCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGATAATGACGGTACCTGACTAAGAAGCTCCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGGAGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCATGGCAAGTCTGATGTGAAAACCCTGGGCTCAACCCAGGAATGGCATTGGAAACTGTTAAGCTAGAGTGCAGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU230;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Ruminococcaceae(0.4224),g:Anaerotruncus(0.0615);

ACGGGAGGCAGCAGTGAGGGATATTGGGCAATGGGGGAAACCCTGACCCAGCGACGCCGCGTGAGGGAAGACGGTCTTCGGATTGTAAACCTCTGTCTTTGGGGACGAAAAAGGACGGTACCCAAGGAGGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGAAGGCAAGTTGGATGTGAAAACTGTGGGCTCAACCGACAGACTGCATTCAAAACTGTTTTTCTTGAGTGAAGTAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTTTTACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU232;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Ruminococcaceae(0.6709),g:Anaerofilum(0.0712);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAGGGAAGAAGGTCTTCGGATTGTAAACCTCTGTTGTCAGGGACGATAATGACGGTACCTGACGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAAAACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGATTTGCAAGTTGGAAGTGAAACTCATGGGCTCAACCCATGAACTGCTTTCAAAACTGCAGATCTTGAGTGGTGTAGAGGTAGGCGGAATTCCCGGTGTAGCGGTGGAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGGCACTAACTGACGCTGAGGCTCGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU235;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9572),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.3959),f:"Porphyromonadaceae"(0.1872),g:Parabacteroides(0.0204);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTCGCGTGAAGGAAGACGGATCTATGGTTTGTAAACTTCTTTAGTGTGGGAACAAAGCGTGGTTGCGACCGCAGATGAGTGTACCACAAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGACTTTCAAGTCAGCGGTAAAATTTCCGGGCTTAACCTGGTTGTGCCGTTGAAACTGAGAGACTGGAGTGCGCTTGAGGTAGGCGGAATGCGTTGTGTAGCGGTGAAATGCATAGATATGACGCAGAACTCCGATTGCGAAGGCAGCTTACCAAATCGCTACTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU234;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Rumino
coccaceae(0.3544),g:Butyricicoccus(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGGGAAACCCTGACGCAGCAACGCCGCGTGATCGAAGAAGGT
CTTCGGATTGTAAAGATCTTTTATCAGGGACGAAGAAAGTGACGGTACCTGATGAATAAGCTCCGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGAGTAGGCGGGCTG
GTAAGTTGGAAGTGAAATGTCGGGGCTTAACCCCGGAACTGCTTTCAAAACTGCTGGTCTTGAGTGATGGAGAGGCA
GGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACA
TTAACTGACGCTGAGGAGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU233;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Rumino
coccaceae(0.4563),g:Clostridium_III(0.1299);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGAAGGT
CTTCGGATCGTAAACTTTTGTCTTTGGGGACGAAGAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCC
AGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGAATTCA
AGTCAGATGTGAAATACCGGGGCTTAACCCCGGGGCTGCATTTGAAACTGAATTTCTTGAGTGCTGGAGAGGAAAGC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACAGTA
ACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU236;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9871),o:Clostridiales(0.9940),f:Lachno
spiraceae(0.9895),g:Howardella(0.9918);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGCAACTCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
TTTCGGTATGTAAAGCTCTATCAGTAGGGAAGATAATGACGGTACCTACAGAAGAAGCCCCGGCTAAATACGTGCCA
GCAGCCGCGGTAATACGTATGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGTGTAGGCGGCAGTACAA
GTCAGGAGTGAAAACTTGGGGCTCAACCCCAAGACTGCTTTTGAAACTGTACAGCTAGAGTGTAGGAAGGGCAAGC
GGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATCAGGAAGAACACCGGTGGCGAAGGCGGCTTGCTGGACTATA
ACTGACGCTGAGACTCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU238;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Rumino
coccaceae(0.2184),g:Intestinimonas(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTAGGCAATGGGGGAAACCCTGACCTAGCAACGCCGCGTGAAGGATGAAGGT
TTTCGGATTGTAAACTTCTTTGGCAGGGGACGATAATGACGGTACCCTGAGAACAAGCCACGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGAGTAGGCGGGACGGAA
AGTCAGATGTGAAATACCGAGGCTTAACTTCGGGGCTGCATTTGAAACTTCTGTTCTTGAGTGATGGAGAGGCAGGC
GGAATTCCCGGTGTAGCGGTGAAATGCATAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACATTA
ACTGACGCTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU237;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Bacilli(0.3483),o:Bacillales(0.1483),f:Paenibacillaceae_1(0.0560),g:Paenibacillus(0.0134);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGGAGGAAGAAGGTTTTCGGATCGTAAACTCCTGTCCTCAGGGAAGAGAAGGAGACGGTACCTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCCGGTAAGTCTGGAGTGAAAGTCCTGGCTTCAAGTTGGGAATTGCTTTGGATACTGTCGGGCTTGAGTGCAGGAGAGGTTAGTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGAGATTGGGAGGAACACCAGTGGCGAAGGCGACTAACTGGACTGTAACTGACGCTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU239;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Clostridiaceae_1(0.0457),g:Clostridium_sensu_stricto(0.0110);

ACGGGAGGCAGCAGTCGGGAATATTGCGCAATGGAGGAAACTCTGACGCAGTGACGCCGCGTATAGGAAGAAGGTTTTCGGATTGTAAACTATTGTCGATAGGGAAGAAAAAAGACAGTACCTATCAAGAAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTTATTGGGTGTAAAGGGTGCGTAGACGGGAAGTTAAGTTAGTTGTGAAATCCCTCGGCTCAACTGAGGAACTGCAACTAAAACTGATTTTCTTGAGTGCAGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTTCTGGACTGTAACTGACGTTGAGGCACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU240;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9991),c:Gammaproteobacteria(0.9846),o:Pasteurellales(0.9798),f:Pasteurellaceae(0.9868),g:Actinobacillus(0.7162);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCCATGCCGCGTGAATGAAGAAGGCCTTCGGGTTGTAAAGTTCTTTCGGTGATGAGGAAGGTGTTTGTTTTAATAGGACAAGCAATTGACGTTAGTCACAGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCGAGCGTTAATCGGAATAACTGGGCGTAAAGGGCACGCAGGCGGTGACTTAAGTGAGATGTGAAAGCCCCGAGCTTAACTTGGGAATTGCATTTCATACTGGGTCGCTAGAGTACTTTAGGGAGGGGTAGAATTCCACGTGTAGCGGTGAAATGCGTAGAGATGTGGAGGAATACCGAAGGCGAAGGCAGCCCCTTGGGAATGTACTGACGCTCATGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU243;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9572),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5023),f:"Prevotellaceae"(0.1291),g:Paraprevotella(0.0230);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGAGGGAAGACTGCCCTATGGGTTGTAAACCTCTTTTGTTTGGGAGCAAAGTGCGCCACGTGTGGTGTATTGCGAGTACCATTCGAATAAGCATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGAGCGTCAAGTCAGCTGTGAAATGTCGCGGCTCAACCGTGGAGCTGCAGTTGAAACTGGCGTTCTTGAGTATACATAAGGATGGTGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCATCTGGGGTATTACTGACGCTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU242;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Rumino
coccaceae(0.7428),g:Flavonifractor(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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AGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGACTGCA
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GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGTCTGCTGGACAGCA
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>OTU241;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9474),c:Actinobacteria(0.8331),o:Coriobacteriales(0.
5395),f:Coriobacteriaceae(0.3544),g:Adlercreutzia(0.0230);
ACGGGAGGCAGCAGTGGGGAATTTTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGCGGGACGAAGGC
CCTAGGGTTGTAAACCGCTTTCAGCAGGGAAGACACTGACGGTACCTGCAGAAGAAGCTCCGGCTAACTACGTGCCA
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GCGGGATGTCAAAGCCCGGGGCTCAACCCCGGCCCGCATCCCGAACTGGCGGGCTTGAGTTCGGTAGGGGAAAGTG
GAATGCCCAGTGTAGCGGTGAAATGCGCAGATATTGGGCAGAACACCAGTGGCGAAGGCGGCTTTCTGGGCCGTAA
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>OTU246;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9736),c:Spirochaetia(0.9462),o:Spirochaetales(0.8520)
,f:Spirochaetaceae(0.7068),g:Treponema(0.3043);
ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGGATGAAGAAGGC
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GTA
>OTU247;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Clostridia(0.9769),o:Clostridiales(0.9606),f:Lachno
spiraceae(0.6709),g:Clostridium_XlVa(0.5239);
ACGGAAGGCAGCAGTGGGGAATATTGGACAATGGGGGAAACCCTGATCCAGCGACGCCGCGTGAGTGAAGAAGTA
TTTCGGTATGTAAAGCTCTATCAGCAAGGAAGAAAATGACGGTACTTGACTAAGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCAAAGCA
AGTCTGAAGTGAAAGCCCCGGGCTCAACCCGGGAACTGCTTTGGAAACTGTTTAGCTAGAGTGCAGGAGAGGTAAG
TGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGT
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>OTU244;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9805),o:Clostridiales(0.9775),f:Peptostreptococcaceae(0.5991),g:Clostridium_XI(0.4351);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAACGATGAAGGCCTTCGGGTCGTAAAGTTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGATTTACTGGGCGTAAAGGGTGCGTAGGCGGTTTTTTAAGTCAGAAGTGAAAGGCTACGGCTTAACCGTAGTAAGCTTTTGAAACTGGAGAACTTGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTAGCGAAGGCGGCTCTCTGGACTGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU249;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9990),c:Spirochaetia(0.9834),o:Spirochaetales(0.9866),f:Spirochaetaceae(0.9876),g:Treponema(0.4787);
ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGGATGATGAAGGCCGAAAGGTTGTAAAATCCTTTTGAACTGGAAGAATAAGCAGTGTAGGTAATGACATTGTGGTGACGGTACAGTTTGAATAAGCAACGGCTAATTACGTGCCAGCAGCCGCGGTAACACGTAAGTTGCGAGCGTTGTTCGGAATTATTGGGCGTAAAGGGCATGTAGGCGGTTATCTAAGCTTGGTGTGAAAGGCAGGGGCTCAACTCCTGGACTGCATTGAGAACTGGATAACTAGAGTTACTGAAGTGAAATCAGAATTCCAGGTGTAGGGGTGAAATCTGTAGATATCTGGAAGAATACCAATGGCGAAGGCAGGTTTCAGGCAGATAACTGACGCTGAGGTGCGAAGGTGCGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU248;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9990),c:Gammaproteobacteria(0.9827),o:Aeromonadales(0.9685),f:Succinivibrionaceae(0.9480),g:Succinivibrio(0.7162);
ACGGGAGGCAGCAGTAGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCCATGCCGCGTGTGTGAAGAAGGCCTTCGGGTTGTAAAGCACTTTCGGAGGGGAGGAAAAGATGACGTTACCCTCAGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATAACTGGGCGTAAAGGGCATGCAGGCGGTTATACAAGTAGGATGTGAAAGCCTGGGGCTCAACCTCAGAACTGCATTCTAAACTGTGTGACTAGAGTATTGCAGGGGGAGACGGAATTTCAGGTGTAGCGGTGGAATGCGTAGATATCTGAAAGAACACCAAAGGCGAAGGCAGTCTCCTGGGCAAATACTGACGCTCATATGCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU252;tax=d:Bacteria(0.0076),p:Firmicutes(0.0000),c:Bacilli(0.0000),o:Lactobacillales(0.0000),f:Lactobacillaceae(0.0000),g:Lactobacillus(0.0000);
CTTGGTCATTTAGAGGAAGTAAAAGTCGTAACAAGGTTTCCGTAGGTGAACCTGCGGAAGGATCATTAGTGAATAAATAGGGTGTCCAATTTAACTTGGAACCCGACCTTCTCACATCTAACCCTGTGCATCTGTATTAATGGCGAGCAATTTTCGGATTGTGAGCCATTTCACTTTATAAACACTAGTCTATGAATGTAAAATTTTTATAACAAATAAAAACTTTCAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGC
>OTU245;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Eubacteriaceae(0.3204),g:Eubacterium(0.0904);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGACGGT
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AGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGAAATC
AAGTTGGATGTGAAATGTCGGGGCTTAACCCCGGAACTGCATCCAAAACTGATATTCTTGAGTGAAGTAGAGGTAGG
CGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGGCTTT
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>OTU250;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8448),c:Sphingobacteriia(0.1740),o:"Sphingobacteria
les"(0.0781),f:Sphingobacteriaceae(0.0252),g:Parapedobacter(0.0076);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGGAGCCTGAACCAGCCATGCCGCGTGAAGGCGAGTGCC
CTACGGGCGTTAAACTTCTTTTGTGCGGGAGCAATAAGGGCCACGCGTGGCCCGATGAGAGTACCGCACGAATAAGC
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGT
GCGTAGGCGGCGCTTCAGGTCAGCGGTGAAATACCGGGGCTCAACCCCGGGGCTGCCGTTGAAACCGGAGCGCTAG
AATTCCGATGCCGTCGGAGGAATGTGTGGTGTAGCGGTGAAATGCATAGATATCACACAGAACACCGATTGCGAAG
GCATCTGACGAATCGGAGATTGACGCTGATGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU251;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachno
spiraceae(0.3204),g:Clostridium_XlVa(0.0904);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGCGAAGAAGTA
TTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGCGAAGCA
AGCCAGAGGTGAAAACCCGGGGCTCAACCCCGAGGATTGCCTTTGGAACTGTTTTGCTTGAGTGCTGGAGGGGCAG
GCGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATCAGGAGGAACACCGGTGGCGAAGGCGGCCTGCTGGACA
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>OTU253;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:Sphingobacteriia(0.3483),o:"Sphingobacteria
les"(0.1483),f:Sphingobacteriaceae(0.0560),g:Parapedobacter(0.0134);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGAAGGTGACGGCC
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ATGCGGATGCCGTTGGAGGAATGTGTGGTGTAGCGGTGAAATGCATAGATATCACACAGAACACCGATTGCGAAGG
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>OTU254;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.7114),o:"Bacteroidales"(0.42
80),f:"Porphyromonadaceae"(0.2184),g:Barnesiella(0.0181);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGT
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TGGGCGAGAAGTATGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACTCCGATTGCGAAGGC
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>OTU257;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Clostrid
iales_Incertae_Sedis_XIII(0.3544),g:Anaerovorax(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
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ae_1(0.0710),g:Paenibacillus(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAGGAAGG
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iales_Incertae_Sedis_XIII(0.2184),g:Anaerovorax(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGCGAAGAAGGC
CTTTGGGTCGTAAAGCTCTGTCCTTGGGGAAGAAAAAATGACGGTACCCAAGGAGGAAGCCCCGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTATGTAGGTGGTTTCTTA
AGCGCAGGGTATAAGGCAATGGCTTAACCATTGTTCGCCCCGTGAACTGAGAGACTTGAGTGCTGGAGAGGAAAGC
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>OTU258;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Clostrid
iaceae_2(0.0355),g:Alkaliphilus(0.0087);

ACGGGAGGCAGCAGTCGGGAATATTGCGCAATGGAGGAAACTCTGACGCAGTGACGCCGCGTGCAGGAAGAAGGT
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09),f:"Porphyromonadaceae"(0.2524),g:Parabacteroides(0.0423);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGATGACGGC
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>OTU260;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9572),c:Spirochaetia(0.8755),o:Spirochaetales(0.7252)
,f:Spirochaetaceae(0.5273),g:Treponema(0.1299);
ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGGGGGAACCCTGACGGAGCGACGCCGCGTGGACGATGAAGGC
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23),f:"Prevotellaceae"(0.3884),g:Alloprevotella(0.0904);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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>OTU263;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9997),c:Actinobacteria(1.0000),o:Bifidobacteriales(0
.9940),f:Bifidobacteriaceae(0.9898),g:Bifidobacterium(0.9875);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCGACGCCGCGTGCGGGATGGAGGC
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GGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCAAGCGTTATCCGGATTTATTGGGCGTAAAGGGCTCG
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GCGGTAGGGGAGACTGGAATTCCCGGTGTAACGGTGGAATGTGTAGATATCGGGAAGAACACCAATGGCGAAGGC
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coccaceae(0.4914),g:Intestinimonas(0.1299);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
TTTCGGGTTGTAAACTTCTTTTATGAGGGACGAAGGAAGTGACGGTACCTCATGAATAAGCTCCGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGGAAG
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GCGGAATTCCGTGTGTAGCGGTGAAATGCGTAGATATACGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACAT
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>OTU265;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9540),c:"Bacteroidia"(0.5195),o:"Bacteroidales"(0.26
79),f:"Porphyromonadaceae"(0.1291),g:Paludibacter(0.0204);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAAGGAATACGGC
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GCGTAGGCGGGGCATCAAGTCAGTGGTGAAATGGTGTGGCTCAACCATAGCATTGCCGTTGAAACTGATACCCTTGA
GTGCAGTAGAGGTATGCGGAATGTGTTGTGTAGCGGTGAAATGCATAGATATGACACAGAACACCGATTGCGAAGG
CAGCATACTGGACTGTAACTGACGCTGAAGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU262;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9993),c:Actinobacteria(0.9979),o:Actinomycetales(0
.9942),f:Micrococcaceae(0.9201),g:Rothia(0.8605);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCGACGCCGCGTGAGGGATGACGGC
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GTGCCAGCAGCCGCGGTAATACGTAGGGCGCGAGCGTTGTCCGGAATTATTGGGCGTAAAGAGCTTGTAGGCGGTT
TGTCACGTCTGCTGTGAAAGCCCGGGGCTTAACTCCGGGTCTGCAGTGGGTACGGGCTAACTAGAGTGCAGTAGGG
GAGACTGGAATTCCTGGTGTAGCGGTGAAATGCGCAGATATCAGGAGGAACACCAATGGCGAAGGCAGGTCTCTGG
GCTGTAACTGACGCTGAGAAGCGAAAGCATGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU267;tax=d:Bacteria(1.0000),p:"Tenericutes"(0.7907),c:Mollicutes(0.5195),o:Acholeplasmatales(0.267
9),f:Acholeplasmataceae(0.1291),g:Acholeplasma(0.0230);

ACGGGAGGCAGCAGTAGGGAATTTTCGGCAATGGGGGAAACCCTGACCGAGCAATGCCGCGTGAATGATGAAGGT
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AGCGTGCGTAGGCGGTTTATTAAGTCTGATGTTAAATTCCACAGCTTAACTGTGGCATGTCATTGGAAACTGGTAAAC
TTGAGTACAGTAGGGGTAAGCGGAATTCCAAGTGGAGCGGTGGAATGCGTAGATATTTGGAGGAACACCAGTGGCG
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>OTU266;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Peptoc
occaceae_2(0.0710),g:Desulfotomaculum(0.0157);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
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CCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGTGTAGGCGGCTTTT
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AGTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGAGATTGGGAGGAACACCAGTGGCGAAGGCGACTTACTGGGCC
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>OTU268;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Clostrid
iales_Incertae_Sedis_XIII(0.5273),g:Mogibacterium(0.3479);
ACGGGAGGCAGCAGTAGGGAATCTTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAAGGATGAAGGC
CTTCGGGTTGTAAACTTCTGTTCCCGGGGACGAAGAAAGTGACGGTACCCGGGCAGCAAGCCCCGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTGCGTAGGTGGTTATG
TAAGCGTGAGGTTTAAGGCAGTGGCTTAACCACTGTTCGCCTTGCGAACTGCATAACTTGAGTGCAGGAGGGGAAAG
CGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGCGGCGAAGGCGGCTTTCTGGACTGC
AACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU269;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9762),o:Clostridiales(0.9497),f:Rumino
coccaceae(0.9201),g:Oscillibacter(0.7162);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGACGCAAGTCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGCAGCCGGAGAGAC
AAGTCAGATGTGAAATCCGCGGGCTTAACCCGCGAACTGCATTTGAAACTGTTTCCCTTGAGTATCGGAGAGGTAATC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGATTACTGGACGACA
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>OTU271;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.9726),o:"Bacteroidales"(0.89
55),f:"Prevotellaceae"(0.5991),g:Alloprevotella(0.3043);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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GGAGCGTAGGCCGGCTTTTAAGTCAGCTGTGAAAGTCCGCGGCTCAACCGTGGAATTGCAGTTGAAACTGGAGGCCT
TGAGTGCACACAGGGATGCCGGAATTCATGGTGTAGCGGTGAAATGCTTAGATATCATGAAGAACTCCGATCGCGAA
GGCAAGTGTCCGGGGTGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU270;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Gracilib
acteraceae(0.0252),g:Gracilibacter(0.0076);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGAGGGAACTCTGACCCAGCAACGCCGCGTGAATGATGAAGGT
CTTCGGATTGTAAAGTTCTGTGACGGGGGACGAAGAAAGTGACGGTACCCCGAAAGCAAGCTACGGCTAACTACGT
GCCAGCAGCCGCGGTAATACGTAGGTAGCAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGTGCGTAGGTGGCTAG
GCAAGTTGGTAGTGAAATTCCGGGGCTTAACTCCGGCGCTACTACCAAGACTGTTTAGCTTGAGTACAGGAGAGGTA
AGTGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAAGCGACTTACTGGCCT
GCAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU272;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8472),o:"Bacteroidales"(0.65
09),f:"Porphyromonadaceae"(0.2184),g:Parabacteroides(0.0326);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGACGAAGGC
CCTACGGGTTGTAAACCTCTTTTATAAGGGAATAAAGGGCGCCACGTGTGACGCATTGCATGTACCTTATGAATAAGC
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGT
GCGTAGGTGGCTTGTTAAGTCAGCGGTGAAAGTCAGTGGCTCAACCATTGAATTGCCGTTGAAACTGGCGAGCTTGA
GTACGTACGGGGCAGGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACCCCGATCGCGAAG
GCAGCCTGCCAGGCCGTGACTGACACTGATGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU274;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Clostrid
iales_Incertae_Sedis_XIII(0.1679),g:Anaerovorax(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCAACGCCGCGTGAACGAAGAAGGC
TCTTGGGTCGTAAAGTTCTGTTCTGAGGGAAGAAGAAAGTGACGGTACCTCAGGAGAAAGCCCCGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATTATTGGGCGTAAAGAGTACGTAGGCGGTTCGG
TAAGCGAAAGGTGAAAGGCATCGGCTCAACCAGTGTCAGCCTTTCGAACTGTCGGACTTGAGTGCAGGAGGGGAAA
GTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTTCTGGACTG
TAACTGACGCTGAGGTACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU275;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Clostridia(0.9805),o:Clostridiales(0.9775),f:Rumino
coccaceae(0.9480),g:Pseudoflavonifractor(0.3915);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
TTTCGGGTTGTAAACTTCTTTTATCAGGGACGAACATAATGACGGTACCTGATGAATAAGCCACGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGACTGC
AAGTCAGATGTGAAAACTATGGGCTCAACCCATAGCCTGCATTTGAAACTGTAGTTCTTGAGTGTCGGAGAGGCAAT
CGGAATTCCGTGTGTAGCGGTGAAATGCGTAGATATACGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGAT
AACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU273;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9991),c:Epsilonproteobacteria(0.9952),o:Campyloba
cterales(0.9866),f:Helicobacteraceae(0.9666),g:Helicobacter(0.9705);
ACGGGAGGCAGCAGTAGGGAATATTGCTCAATGGGGGAAACCCTGAAGCAGCAACGCCGCGTGGAGGATGAAGGT
TTTCGGATTGTAAACTCCTTTTGTGAGAGAAGATAATGACGGTATCTCACGAATAAGCACCGGCTAACTCCGTGCCAG
CAGCCGCGGTAATACGGAGGGTGCAAGCGTTACTCGGAATCACTGGGCGTAAAGAGTGCGCAGGCGGATTAATAAG
TCAGATGTGAAATCCTATGGCTTAACCATAGAACTGCATTTGAAACTATTAGTCTAGAGTGTGGGAGAGGTAGGTGG
AATTCTTGGTGTAGGGGTAAAATCCGTAGATATCAAGAGGAATACTCATTGCGAAGGCGACCTACTGGAACATTACT
GACGCTCATGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU276;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9572),c:Spirochaetia(0.8755),o:Spirochaetales(0.7252)
,f:Spirochaetaceae(0.5273),g:Treponema(0.0904);
ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGAGGAAACTCTGACGGAGCGACGCCGCGTGGATGATGAAGGT
CGGAAGATTGTAAAATCCTTTTATGACTGAGGAATAAGTACGTTGAGAGAAACGGCGTATGGTGACTGTAGGTCATG
AATAAGCAACGGCTAATTACGTGCCAGCAGCCGCGGTAACACGTAAGTTGCGAGCGTTGTTCGGAATTATTGGGCGT
AAAGGGCATGTAGGCGGTATTGCAAGCCTGGTGTGAAAGGCGGGGGCTCAACCCCTGGACTGCGCTGGGAACTGCA
TTACTAGAGTCGCTGAGGGGCAATCAGAATTCCAGGTGTAGGGGTGAAATCTGTAGATATCTGGAAGAATACCAATG
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GTA
>OTU277;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9540),c:Spirochaetia(0.8614),o:Spirochaetales(0.6881)
,f:Spirochaetaceae(0.4914),g:Treponema(0.0808);
ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGGATGATGAAGGT
CGGAAGATTGTAAAATCCTTTTATAACTGAGGAATAAGCAGTGTGAGAGAAACGCATTGTGGTGACTGTAGGTTATG
AATAAGCAACGGCTAATTACGTGCCAGCAGCCGCGGTAACACGTAAGTTGCGAGCGTTGTTCGGAATTATTGGGCGT
AAAGGGCATGTAGGCGGTTTTGCAAGCTTGATGTGAAAGGCAGGAGCTTAACTCCTGAACTGCGTTGAGAACTGCAT
GACTGGAGTCACTGAGGGGCAATCAGAATTCCTGGTGTAGGGGTGAAATCTGTAGATATCAGGAAGAATACCAATG
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GTA

>OTU278;tax=d:Bacteria(1.0000),p:"Tenericutes"(0.8448),c:Mollicutes(0.6346),o:Acholeplasmatales(0.2679),f:Acholeplasmataceae(0.1291),g:Acholeplasma(0.0230);
ACGGGAGGCAGCAGTAGGGAATTTTCGGCAATGGGGGAAACCCTGACCGAGCAATGCCGCGTGAATGATGAAATTCTTCGGAATGTAAAATTCTGTTGTGAGGGAAGAAAGGTAGTATCAGGAAATGGGTATTACTTGACGGTACCTTACTAGAAAGCCCCGGCTAACTATGTGCCAGCAGCCGCGGTAATACATAGGGGGCGAGCGTTATCCGGAATTATTGGGCGTAAAGCGTGCGTAGGCGGTCGTTTAAGTCTGTCGTGAAAGCCCACAGCTTAACTGTGGAGGGTCGATGGAAACTGGATGGCTTGAATCTAGAAGAGGTAAGTGGAATTCCATGTGTAGCGGTAAAATGCTTAGATATATGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGTCTAGCATTGACGCTGAGGCACGAAAGCGTAGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU281;tax=d:Bacteria(0.0041),p:"Bacteroidetes"(0.0000),c:Flavobacteriia(0.0000),o:"Flavobacteriales"(0.0000),f:Flavobacteriaceae(0.0000),g:Leeuwenhoekiella(0.0000);
CTTGGTCATTTAGAGGAAGTAAAAGTCATAACAAGGTTTCCGTAGGTGAACCTGCGGAAGGATCATTAATAGTGCCCATTGATGCAAATCATTGGGTTAGATCTGCCCTTATCGCAAGATGAGGGCTTCCATATACACCGTGAACTGTGGCTTCGGCCATCACAAACTGTTAGTAATGAATGTAATATCATAACAAAAACAAAACTTTTAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGC
>OTU279;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9988),c:Deltaproteobacteria(0.9755),o:Desulfovibrionales(0.9389),f:Desulfovibrionaceae(0.7787),g:Bilophila(0.3043);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGTCTTCGGATCGTAAACCTCTGTCAGGAGGGAAGAACCGCAGGTGTGTGAACAATGCATCTGTCTGACGGTACCTCCAAAGGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATCACTGGGCGTAAAGCGCACGTAGGCGGTTTGTTAAGTCAGGGGTGAAATCCCACAGCCCAACTGTGGAACTGCCCTTGATACTGGCAGACTTGAGTACCGGAGAGGGTGGCGGAATTCCAGGTGTAGGAGTGAAATCCGTAGATATCTGGAGGAACACCGGTGGCGAAGGCGGCCACCTGGACGGTAACTGACGCTGAGGTGCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU280;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9540),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.3959),f:"Porphyromonadaceae"(0.2184),g:Barnesiella(0.0230);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGTCCTACGGATTGTAAACCTCTTTTGCCGGGGAGCAAAGGGGCCATTGATGGCAGGATGAGCGTACCCGGAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGACTCGTCAAGTCAGCGGTAAAAATTCGGGGCTCAACCCCGTCCTGCCGTTGAAACTGCGAGACTGGAGTGCGACAGAGGAAAGCGGAATGCGAGGTGTAGCGGTGAAATGCATAGATATCGCGCAGAACTCCGATTGCGAAGGCAGCTTTCCATGTCGTGACTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU285;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9719),o:"Bacteroidales"(0.8846),f:"Prevotellaceae"(0.6350),g:Prevotella(0.1299);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTGTGCGGGGATAAAGTGTGGGACGTGTCCCATATTGCAGGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGGAGATTAAGCGTGTTGTGAAATGCCGCGGCTCAACCGTGGCACTGCAGCGCGAACTGGTTTTCTTGAGTGCGCGCGACGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAGGAACCCCGATTGCGAAGGCAGCTTGCGGGAGCGCAACTGACGCTGAAGCTCGAAGGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU282;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9992),c:Gammaproteobacteria(0.9851),o:Aeromonadales(0.9753),f:Succinivibrionaceae(0.9759),g:Succinivibrio(0.9686);

ACGGGAGGCAGCAGTAGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCCATGCCGCGTGTGTGAAGAAGGCCTTCGGGTTGTAAAGCACTTTCGGAGGGGAGGAACAAATGACGTTACCCTCAGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATAACTGGGCGTAAAGGGCATGCAGGCGGTTTATCAAGTAGGATGTGAAAGCCCCGGGCTCAACCTGGGAATTGCATTCTAAACTGATAGACTAGAGTATTGCAGGGGGAGACGGAATTCCAGGTGTAGCGGTGGAATGCGTAGATATCTGGAAGAACACCAAAGGCGAAGGCAGTCTCCTGGGCAAATACTGACGCTCATATGCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU283;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Ruminococcaceae(0.1485),g:Intestinimonas(0.0204);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGGTCTTCGGATTGTAAACCTTAGTTATCGGGGAAGAAGCAAGTGACGGTACCCGAAGAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGTGTAGGCGGGATAGCAAGTCAGATGTGAAAATTATGGGCTTAACCCATAACCTGCATTTGAAACTGTTATTCTTGAGTGTCGGAGAGGTAAATGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGTTTACTGGACGACAACTGACGCTGAGACACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU284;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Ruminococcaceae(0.1098),g:Saccharofermentans(0.0134);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGGTCTTCGGATTGTAAACCTCTGTTGACAGGGACGATAATGACGGTACCTGTCGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGTGTAAAGGGTGTGTAGGCGGAGAGGCAAGTCAGATGTGAAAATTATGGGCTTAACCCATAAACTGCGTCTGAAACTGTTTCCCTTGAGAGTCGGAGGGGTAAATAGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAATACCGGTGGCGAAGGCGATTTACTGGACGACAACTGACGCTGAGACACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU287;tax=d:Bacteria(1.0000),p:"Fibrobacteres"(0.9989),c:"Fibrobacteria"(0.9798),o:"Fibrobacterales"(0.9753),f:"Fibrobacteraceae"(0.9759),g:Fibrobacter(0.9781);

ACGGGAGGCAGCAGTAGGGAATATTGCGCAATGGGGGCAACCCTGACGCAGCAACTCCACGTGTGGGATGAAGCATTTCGGTGTGTAAACCACTGTCGAGAGGGAATAATTCGGCCTTTCGGGGCCGTTGAATGTACCTTTAAAGGAAGCACCGGCAAACTTCGTGCCAGCAGCCGCGGTAATACGAGGGGTGCAAGCGTTGTTCGGAATCACTGGGCGTAAAGGGAGCGTAGGCGGGCCGCCAAGCGTTCTGTGCAATCCCGGGGCCCAACCCCGGACCCGCAGAGCGAACTGGCGTCCTTGAGTGGTTCAGAGGCCGGCGGAATTCCTGGTGTAGCGGTGGAATGCGTAGATATCAGGAAGAACACCGATGGCGAAGGCAGCCGGCTGGGGACCCACTGACGCTGAGGCTCGAAAGCGTGGGAAGCAAACAGGATTAGATACCCTGGTA

>OTU286;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9540),c:"Bacteroidia"(0.7114),o:"Bacteroidales"(0.4280),f:"Porphyromonadaceae"(0.1679),g:Parabacteroides(0.0204);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAAGGAAGAAGGATCTATGGTTCGTAAACTTCTTTTTTATGGGAATAAAGTCATGGACGAGTCCGTGTTTGTATGTACCATAAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGGCGATCAAGTCAGCGGTAAAATTGTGTGGCTTAACCATACCGAGCCGTTGAAACTGGTTGTCTTGAGTGCGAGTGAGGTAGGCGGAATGTGTTGTGTAGCGGTGAAATGCTTAGATATGACACAGAACACCGATTGCGAAGGCAGCTTACCAATACGTAACTGACGCTGAGGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU288;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9798),o:Clostridiales(0.9753),f:Ruminococcaceae(0.9480),g:Oscillibacter(0.7643);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGACGCAAGTCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTAAGAGGGAAGAGGAGAAGACGGTACCTCTTGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGCAGCCGGGCCGGCAAGTCAGATGTGAAATCCCCAGGCTCAACCTGGGAACTGCATTTGAAACTGTTGGTCTTGAGTATCGGAGAGGTAATCGGAATTCCTTGTGTAGCGGTGAAATGCGTAGATATAAGGAAGAACACCAGTGGCGAAGGCGGATTACTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU290;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9638),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5023),f:"Porphyromonadaceae"(0.1679),g:Paludibacter(0.0326);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGAAGTCTGAACCAGCCAAGTCGCGTGAAGGAAGACGGTTCTATGGATTGTAAACTTCTTTTGCCTGAGGGTAAAACGCGGTACGTGTACCGCCTTGTAAGTATCAGGTGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGGATGTTAAGTCAGCGGTGAAAGTTTGCGGCTCAACCGTAAAATTGCCGTTGAAACTGGCGTTCTTGAGTGTAAACGAGGTAGGCGGAATGTGACGTGTAGCGGTGAAATGCTTAGATATGTCACAGAACCCCGATTGCGAAGGCAGCTTACCAGCATACAACTGACGCTGAGGCACGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU291;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9726),o:"Bacteroidales"(0.8955),f:"Prevotellaceae"(0.6350),g:Prevotella(0.2171);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGGATAACGTGCACCACGTGTGGTGTATTGCAGGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGCTGTTTAAGCGTGTTGTGAAAAACCGGGGCTCAACTCCGGTCGTGCAGCGCGAACTGGACGGCTTGAGTGCGCGGTAAGTGGGCGGAATTTGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGTAGCGCAACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU289;tax=d:Bacteria(1.0000),p:"Tenericutes"(0.6899),c:Mollicutes(0.4045),o:Acholeplasmatales(0.1719),f:Acholeplasmataceae(0.0710),g:Acholeplasma(0.0157);

ACGGGAGGCAGCAGTAGGGAATTTTCGGCAATGGGCGAAAGCCTGACCGAGCAATGCCGCGTGAATGAAGAAATTCTTCGGAATGTAAAGTTCTGTTATTGAGGACGAAAGATAGTATCAGGAAATGGGTATTATTTGACGGTACTTGATGAGAAAGCCCCGGCTAACTATGTGCCAGCAGCCGCGGTAATACATAGGGGGCGAGCGTTATCCGGATTTATTGGGCGTAAAGCGTGCGTAGGTGGCTATTTAAGTCTGGCGTGAAATGTCACAGCTTAACTGTGAAGGGTCGTTGGAAACTGGACAGCTTGAATCCAGAAGAGGTAAGTGGAATTCCATGTGTAGCGGTAAAATGCTTAGATATATGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGTCTGGTATTGACACTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU292;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9900),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8520),f:"Prevotellaceae"(0.4914),g:Alloprevotella(0.2171);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGCGAGACTGAACCAGCCAAGTAGCGTGCAGGAAGACGGCCCTCCGGGTTGTAAACTGCTTTTAGTTGGGAATAAAAGGGCGTACGTGTACGCCGAATTGTATGTACCATCAGAAAAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGTTTTTAAGTCAGTTGTGAAAGTCTGCGGCTCAACCGTAGAATTGCAGTTGAAACTGGAAGCCTTGAGTGCACGCAGGGGTGCCGGAATTCATGGTGTAGCGGTGAAATGCTTAGATATCATGAAGAACTCCGAAAGCGAAGGCAAGTGCCCGGAGTGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU293;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5023),f:Bacteroidaceae(0.2184),g:Bacteroides(0.0615);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGAATGTCCTATGGATTGTAAACTGCTTTTATACGGGAATAAAGTTCTCCACGTGTGGAGTTTTGCATGTACCGTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGTGGGCGTGTAAGTCAGTTGTGAAAGTTCGTGGCTCAACCACGGAATTGCAGTTGAAACTGCATGCCTTGAGTGCGGTAGAGGTAGGCGGAATTCATGGTGTAGCGGTGAAATGCTTAGATATCATGAAGAACCCCGATTGCGAAGGCAGCTTACTGGACCGTAACTGACACTCATGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU296;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Rumino
coccaceae(0.0904),g:Clostridium_III(0.0134);
ACGGGAGGCAGCAGTCGGGAATATTGCGCAATGGAGGAAACTCTGACGCAGTGACGCCGCGTATAGGACGAAGGT
CTTCGGATTGTAAACTATTGTCGTTAGGGAAGAGAAAGGACAGTACCTAAGGAGGAAGCTCCGGCTAACTACGTGCC
AGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTATCCGGATTTATTGGGTGTAAAGGGTGCGTAGACGGGAATATA
AGTTAGTTGTGAAATCCCTCGGCTCAACTGAGGAACTGCAACTAAAACTGTATTTCTTGAGTGCTGGAGAGGAAAGC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACAGTA
ACTGACGTTGAGGCACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU297;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8448),c:"Bacteroidia"(0.2321),o:"Bacteroidales"(0.10
15),f:Marinilabiliaceae(0.0355),g:Mangroviflexus(0.0087);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCAAGTCGCGTGCAGGAATAAGGCC
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ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGT
GCGCAGGCGGGCCTGTAAGCCCGTGGTGAAAGCCTGGTGCTCAACGCCAGAGGTGCCGCGGGAACTGCAGGTCTTG
AGTCGTGACGAGGGCGGCGGAATGCGAAGTGTAGCGGTGAAATGCTTAGATAGTTCGCAGAACGCCGATTGCGAA
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>OTU294;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Rumino
coccaceae(0.2184),g:Intestinimonas(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGG
TCTTCGGATTGTAAACCTTTGTTGATAGGGACGATAATGACGGTACCTATCGAGGAAGCCACGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGTGTAGGCGGGACTGCAA
GTCAGATGTGAAAATTATGGGCTCAACTCATAACCTGCATTTGAAACTGTGGTTCTTGAGAGTCGGAGGGGTAATTG
GAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCGGTGGCGAAGGCGGATTACTGGACGACCA
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>OTU295;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9900),c:Spirochaetia(0.9733),o:Spirochaetales(0.9063)
,f:Spirochaetaceae(0.8864),g:Treponema(0.5239);
ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGGACGATGAAGGC
CGAAAGGTTGTAAAGTCCTTTTGAACCTGACGAATAAGCAGTGCAGGAAATGGCATTGTGGTGACGGTAGGGTTTGA
ATAAGCAACGGCTAATTACGTGCCAGCAGCCGCGGTAACACGTAAGTTGCGAGCGTTGTTCGGAATTATTGGGCGTA
AAGGGCATCTAGGCGGTATCTCAAGCTTGGTGTGAAATGCCGGGGCTTAACTCCGGAACTGCATTGAGAACTAAGAT
ACTGGAGTCGCTGAAGTGCAGCCAGAATTCCTGGTGTAGGGGTGAAATCTGTAGATATCAGGAAGAATACCAATGG
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TA

>OTU298;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Clostridiaceae_4(0.1872),g:Geosporobacter(0.0519);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGATGAAGGCCCTTGGGTCGTAAACTTCTGTTCTAAGGGAAGATAATGACGGTACCTTAGGAGCAAGTCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGCGTGCGTAGGCGGTTTCTTAAGCACGGGGTTTAAGGCTATGGCTTAACCATAGTTCGCCCTGTGAACTGGGAGACTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU299;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9991),c:Fusobacteriia(0.9956),o:"Fusobacteriales"(0.9946),f:"Fusobacteriaceae"(0.9881),g:Fusobacterium(0.7162);

ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGACCAAGAGTCTGATCCAGCAATTCTGTGTGCACGATGAAGTTTTTCGGAATGTAAAGTGCTTTCAGTTGGGAAGAAGAAAGTGACGGTACCAACAGAAGAAGCGACGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGTCGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGCGTCTAGGCGGCATAGTAAGTCTGATGTGAAAATGCGGGGCTCAACTCCGTATTGCGTTGGAAACTGCTATGCTAGAGTACTGGAGAGGTAAGCGGAACTACAAGTGTAGAGGTGAAATTCGTAGATATTTGTAGGAATGCCGATGGGGAAGCCAGCTTACTGGACAGATACTGACGCTAAAGCGCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU300;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9671),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.5766),f:"Porphyromonadaceae"(0.2184),g:Parabacteroides(0.0519);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAAGGATGAAGGTTCTATGGATTGTAAACTTCTTTTGTCCGAGGGTAAAAAAGGCCACGTGTGGCTTCTTGCAAGTATCGGACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGTGGTTTGTTAAGTTTGTGGTGAAAGCGTGCGGCTCAACCGTACCAAGCCATGAAAACTGGCGAACTTGAGTGCAAACGAGGTAGGCGGAATGTGATGTGTAGCGGTGAAATGCTTAGATATGTCACAGAACCCCGATTGCGAAGGCAGCTTACCAGCATGCAACTGACACTGAGGCACGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU301;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9866),o:"Bacteroidales"(0.9941),f:Bacteroidaceae(0.9868),g:Bacteroides(0.9818);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATACGGGAATAAAGTTAGCCACGTGTGGCTTTTTGTATGTACCGTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGTTGTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGTGACCTTGAGTGCAACAGAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTTACTGGATTGTAACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU303;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9168),c:Spirochaetia(0.7881),o:Spirochaetales(0.5023),f:Spirochaetaceae(0.3204),g:Spirochaeta(0.0230);

ACGGGAGGCAGCAGCTAAGAATCTTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGGATGAAGAAGGCCGAAAGGTTGTAAAATCCTTTTGTCCGGGAGGAATAAGGGTAGGAGGAAATGCCTGCCTGATGACGTTAACGGATGAATAAGCCCCGGCTAATTACGTGCCAGCAGCCGCGGTAACACGTGAGGGGCGAGCGTTGTTCGGAATTATTGGGCGTAAAGGGTGCGCAGGCGGCTATGCAAGTTTGGTGTCAAAGACCGCAGCTTAACTGCGGGCAGGCGCTGAAAACTGTGTAGCTGGAGTATATGAGAGGGAACCGGAATTCCTAGTGTAGGGGTGAAATCTGTAGATATTAGGAAGAACACCAATGGCGAAGGCAGGTTTCTGGCATAAGACTGACGCTGAGGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU302;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Eubacteriaceae(0.1485),g:Eubacterium(0.0326);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGATGAAGGCCTTTGGGTCGTAAACTTCTGTTCTAAGGGAAGATAGTGACGGTACCTTAGGAGCAAGTCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTACGTAGGTGGTTTTCTAAGCACGGGGTTTAAGGCAATGGCTTAACCATTGTTCGCCTTGTGAACTGGAAGACTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGTACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU307;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.7995),f:"Prevotellaceae"(0.4224),g:Alloprevotella(0.0808);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTCCGGGTTGTAAACTGCTTTTAGTTGGGAATAAAAAAGGCGACGCGTCGCCTATTGTATGTACCATCAGAAAAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGAAGATTAAGTCAGCGGTAAAATCGTGCGGCTCAACCGTACCTCGCCGTTGATACTGATTTTCTTGAGTGTACACAGGGATGCTGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATCGCGAAGGCAGGTGTCCGGGGTACTACTGACGCTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU304;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8808),c:Sphingobacteriia(0.3483),o:"Sphingobacteriales"(0.1483),f:Sphingobacteriaceae(0.0560),g:Parapedobacter(0.0134);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGAATAAGGCCCTATGGGTCGTAAACTTCTTTTGTGGTGGAGCAATAAGACGTACGTGTACGTCGATGAGATTACATCATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCTGTTTGACAAGTCAGTGGTGAAAGCCCGGGGCTTAACTCCGGAACTGCCGTTGATACTGTTGAGCTGGAATACGGATGCCGTGGGAGGAATGAGTAGTGTAGCGGTGAAATGCATAGATATTACTCAGAACACCGATTGCGAAGGCATCTCACGAATCCGTCATTGACGCTGAGGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU306;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Clostridia(0.9791),o:Clostridiales(0.9730),f:Lachnospiraceae(0.9201),g:Roseburia(0.7162);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGATGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAAATGACGGTACCTGACTAAGAAGCACCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGGTGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGCGCGGCAAGTCTGATGTGAAAGCCCGGGGCTCAACCCCGGTACTGCATTGGAAACTGTCGTGCTAGAGTGTCGGAGGGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATTACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU305;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Ruminococcaceae(0.3544),g:Ethanoligenens(0.0615);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGAGGAAACTCTGATGCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTTTTTAGTGAAGAAACAAATGACGGTAGCTAAAGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGTGCGCAGGCGGGACTGCAAGTTGGATGTGAAATACCGGAGCTTAACTCCGGAGCTGCATCCAAAACTGTGGTTCTTGAGTGGAGTAGAGGTAAGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGGCTCTAACTGACGCTGAGGCACGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU308;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9441),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.3959),f:"Prevotellaceae"(0.1098),g:Prevotella(0.0157);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGCCCTATGGGTTGTAAACTGCTTTCAGTCGGGAATAATTCGTCGGTCGTGACCGACGTTGCAGGTACCGTCATAAGAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGTCAAGTCAGTTGTGAAATCCGCGGGCTCAACCTGCGGCCTGCAGTTGAAACTGGCGGTCTTGAGTCCGTTCAGGGATGCTGGAATTCATGGTGTAGCGGTGAAATGCTCAGATATCATGAAGAACTCCAATCGCGAAGGCAGGCATCCGGGCCGGAACTGACACTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU310;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Ruminococcaceae(0.5273),g:Clostridium_IV(0.1299);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCCTTAGTGAAGATAATGACGGTAGCTAAGGAGGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGTGCGTAGGCGGCAGAACAAGTCAGATGTGAAATACATAGGCTTAACCTATGAACTGCATTTGAAACTGTACTGCTTGAGTGAAGTAGAGGCAGGCGGAATTCCCTGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTAGACTGACGCTGAGGCACGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU309;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Rumino
coccaceae(0.7068),g:Clostridium_IV(0.3043);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGGGAAGAAGGT
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GCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCTATGCAA
GTCAGGCGTGAAAACTATGGGCTTAACCCATAGCCTGCGTTTGAAACTGCGTAGCTTGAGTGAAGTAGAGGCAGATG
GAATTCCCGGTGTAGCGGTGGAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGTCTGCTGGGCTTTAA
CTGACGCTGAGGCACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU314;tax=d:Bacteria(0.0076),p:"Bacteroidetes"(0.0000),c:Cytophagia(0.0000),o:Cytophagales(0.0000),f
:Cytophagaceae(0.0000),g:Larkinella(0.0000);
CTTGGTCATTTAGAGGAAGTAAAAGTCATAACAAGGTTTCCGTAGGTGAACCTGCGGAAGGATCATTAATAGTGCCC
TCTGATGCAAATCATTGGGTTAGATCTGCTCTCTTCGCAAGAAGAGGGTTTCCATACACACCGTGAACTGTGGCTTCG
GCCATCACAAACTGTTAGTAATGAATGTAATATCATAACAAAAACAAAACTTTTAACAACGGATCTCTTGGCTCTCGCA
TCGATGAAGAACGCAGC
>OTU311;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Rumino
coccaceae(0.1679),g:Clostridium_IV(0.0204);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGGGATGAAGGT
TTTCGGATTGTAAACCTCTGTCCTTAGTGAAGAACAAAATGACGGTAACTAAGGAGGAAGCTCCGGCTAACTACGTG
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TAAGTCAGACGTGTAATGCAGGGGCTTAACCCCTGAACTGCGTTTGAAACTGTGTAGCTTGAGTGGAGTAGAGGCAG
ATGGAATTTCCAGTGTAGCGGTGAAATGCGTAGATATTGGAAGGAACACCAGTGGCGAAGGCGATCTGCTGGGCTC
TAACTGACGCTGAGGCACGAAAGCATGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU312;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9321),o:"Bacteroidales"(0.84
12),f:Bacteroidaceae(0.3544),g:Bacteroides(0.1299);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGCAAGGCTGAACCAGCCAAGTAGCGTGAAGGATGACCGC
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GCGCAGACGGGCTGTTAAGTCAGCTGTGAAATGCCGCGGCTCAACCGTGGAATTGCAGTTGATACTGGCGGCCTTGA
GTGCGGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACCCCGATTGCGAAGG
CAGCCTGCCAATCCGTTACTGACGTTCATGCTCGAAGGTGCGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU313;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9507),c:"Bacteroidia"(0.6346),o:"Bacteroidales"(0.36
39),f:"Porphyromonadaceae"(0.1872),g:Barnesiella(0.0230);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGT
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CATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGG
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GCAGCGTTCCATGTCGTAACTGACGCTCAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU317;tax=d:Bacteria(0.0076),p:"Aquificae"(0.0000),c:Aquificae(0.0000),o:Aquificales(0.0000),f:Aquifica
ceae(0.0000),g:Hydrogenivirga(0.0000);
GGCTTAATTTGACTCAACGCGGGGAAACTTACCAGGTCCAGACATAGCAAGGATTGACAGACTGAGAGCTCTTTCTT
GATTCTATGGGTGGTGGTGCATGGCCGTTCTTAGTTGGTGGAGCGATTTGTCTGGTTAATTCCGATAACGAACGAGA
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>OTU318;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.68
81),f:"Porphyromonadaceae"(0.2864),g:Parabacteroides(0.0423);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGATGACGGC
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GCGTAGGTTGCTTGTTAAGTCAGCGGTGAAAGTCAGTGGCTCAACCATTGAATTGCCGTTGAAACTGGCGAGCTTGA
GTACGTACGGGGCAGGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACCCCGATCGCGAAG
GCAGCCTGCCAGGCCGTGACTGACACTGATGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU315;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Lachno
spiraceae(0.1679),g:Lachnospiracea_incertae_sedis(0.0423);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGGAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTG
CTTCGGCATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCA
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GTCCGATGTGAAAACCCGCGGCTCAACTGCGGGATGGCATTGGAAACTGTCAGGCTTGAGTACTGGAGGGGCAGGC
GGAATTCCTGGTGTAGCGGTGGAATGCGTAGATATCAGGAGGAACACCGGTGGCGAAGGCGGCCTGCTGGACAGT
AACTGACGTTGAGGCTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU316;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9507),c:Sphingobacteriia(0.4428),o:"Sphingobacteria
les"(0.2039),f:Sphingobacteriaceae(0.0904),g:Pedobacter(0.0181);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTCGCGTGCAGGATGAAGTA
TCTATGGTATGTAAACTGCTTTTATTCGGGAATAAAGTGCGGAACGAGTTCCGTTTTGTATGTACCGAAGGAATAAGG
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATTCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGT

GCGTAGGCGGAGCATTAAGTCAGCGGTGAAAGTTTGCAGCTCAACTGTAAAATTGCCGTTGAAACTGGTGCACTAGA
GTGCGAACGAGGCAGGCGGAATGTGATGTGTAGCGGTGAAATGCTTAGATATGTCACAGAACACCGATTGCGAAGG
CAGCTTGCTAGGACGCTACTGACGCTGAGGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA
>OTU319;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Rumino
coccaceae(0.8864),g:Oscillibacter(0.4787);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGACGCAAGTCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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80),f:"Porphyromonadaceae"(0.2184),g:Barnesiella(0.0326);
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,f:Veillonellaceae(0.9890),g:Mitsuokella(0.9724);
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8846),f:Coriobacteriaceae(0.8146),g:Enterorhabdus(0.2607);
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,f:Spirochaetaceae(0.5991),g:Treponema(0.1299);
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46),f:"Prevotellaceae"(0.6709),g:Prevotella(0.1299);
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coccaceae(0.2184),g:Intestinimonas(0.0326);
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20),f:"Prevotellaceae"(0.5632),g:Prevotella(0.1299);
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eriaceae(0.9892),g:Eubacterium(0.9921);
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spiraceae(0.5991),g:Clostridium_XlVa(0.4351);
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4280),f:Coriobacteriaceae(0.2524),g:Collinsella(0.0230);
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66),f:"Porphyromonadaceae"(0.3204),g:Barnesiella(0.0615);
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coccaceae(0.3204),g:Acetanaerobacterium(0.0423);
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83),f:"Porphyromonadaceae"(0.0560),g:Porphyromonas(0.0134);
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eriaceae(0.3204),g:Eubacterium(0.0904);
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iaceae_1(0.0457),g:Clostridium_sensu_stricto(0.0110);
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>OTU346;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Clostridia(0.9861),o:Clostridiales(0.9941),f:Clostridiales_Incertae_Sedis_XI(0.9868),g:Parvimonas(0.9818);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGGTTTTCGAATCGTAAAGCTCTGTCCTATGAGAAGATAATGACGGTATCATAGGAGGAAGCCCCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGGGGCGAGCGTTGTCCGGAATTATTGGGCGTAAAGGGTACGTAGGCGGTTTATTAAGTCAGGTGTGAAAGCGTGAGGCTTAACCTCATTAAGCACTTGAAACTGATAGACTTGAGTGAAGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAATACCGGTGGCGAAGGCGACTTTCTGGACTTTTACTGACGCTCAGGTACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU347;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9791),o:Clostridiales(0.9730),f:Ruminococcaceae(0.9294),g:Ruminococcus(0.9686);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGATGCCGCGTGGAGGAAGAAGGTTTTCGGATTGTAAACTCCTGTCGTAAGGGAAGAGAAAGGACTGTACCTTACAAGAAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATGACTGGGTGTAAAGGGAGCGTAGGCGGGATGGCAAGTCAGATGTGAAAACTGAGGGCTCAACCTTCAGACTGCATTTGAAACTGCTGTTCTTGAGTGAGGTAGAGGTAAGCGGAATTCCTGGTGTAGCGGTGAAATGCGTAGAGATCAGGAGGAACATCGGTGGCGAAGGCGGCTTACTGGGCCTTTACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU348;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Clostridia(0.9762),o:Clostridiales(0.9497),f:Lachnospiraceae(0.6709),g:Clostridium_XlVa(0.4787);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGGGGAACCCTGATCCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAGAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGATGCAAGTCTGAAGTGAAAGGCGGGGGCCCAACCCCCGGACTGCTTTGGAAACTGTATGGCTGGAGTGCAGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU350;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Lachnospiraceae(0.4914),g:Parasporobacterium(0.1735);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGACGTATTTCGGTATGTAAACTTCTATCAGCAAGGAAGATGATGACGGTACTTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCCATGCAAGTCAGAAGTGAAAGCCCGGGGCTCAACCCCGGGACTGCTTTTGAAACTGTAGGGCTAGATTGCCGGAGAGGTGAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTCACTGGACGGTAAATGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU349;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.8448),c:Alphaproteobacteria(0.5579),o:Rickettsiales(0.1719),f:Anaplasmataceae(0.0710),g:Ehrlichia(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGCGAAAGCCTGATCCAGCCATGCCGCATGAGTGAAGAAGGCCTTTGGGTTGTAAAGCTCTTTTAGTGAGGAAGATAATGACGGTACTCACAGAAGAAGTCCTGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGAGGGCTAGCGTTATTCGGAATTATTGGGCGTAAAGGGCGCGTAGGCGGATTAGTAAGTTAAAAGTGAAATCCCAAGGCTCAACCTTGGAATTGCTTTTAAAACTGCTAATCTAGAGATTGAAAGAGGATAGAGGAATTCCTAGTGTAGAGGTGAAATTCGTAAATATTAGGAGGAACACCAGTGGCGAAGGCGTCTATCTGGTTCAAATCTGACGCTGAGGCGCGAAGGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU352;tax=d:Bacteria(0.0093),p:Firmicutes(0.0032),c:Bacilli(0.0011),o:Lactobacillales(0.0010),f:Lactobacillaceae(0.0003),g:Pediococcus(0.0000);

CTTGGTCATTTAGAGGAAGTAAAAGTCGTAACAAGGTTTCCGTAGGTGAACCTGCGGAAGGATCATTATTGAATTCAAATCATCTGTGGCTTCGGTCCGGATGTGCCAACAGGTAACACTGTTGGTAATTCTATCCATAACACCTGTGAACTGTTGGATGCTTGCATCCACTTTTATACTAAACATTATTGTAACAAATGTAGTCTTATTATAACTAATAAAACTTTTAACAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGC

>OTU353;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9991),c:Gammaproteobacteria(0.9846),o:Pasteurellales(0.9775),f:Pasteurellaceae(0.9852),g:Actinobacillus(0.6200);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCCATGCCGCGTGAATGAAGAAGGCCTTCGGGTTGTAAAGTTCTTTCGGTGATGAGGAAGGCAAGTAAGTGAATAGCTTGCTTGATTGACGTTAGTCACAGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCGAGCGTTAATCGGAATAACTGGGCGTAAAGGGCACGCAGGCGGTGACTTAAGTGAGATGTGAAAGCCCCGAGCTTAACTTGGGAATTGCATTTCATACTGGGTCGCTAGAGTACTTTAGGGAGGGGTAGAATTCCACGTGTAGCGGTGAAATGCGTAGAGATGTGGAGGAATACCGAAGGCGAAGGCAGCCCCTTGGGAATGTACTGACGCTCATGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU351;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Ruminococcaceae(0.0457),g:Saccharofermentans(0.0110);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGGTCTTCGGATTGTAAACCTCTTTCAGCAGGGAAGAAGAAAGTGACGGTACCTGCAGAAGAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGTGTAGGCGGGGTGTCAAGTCAGATGTGAAAACTGTGGGCTTAACCCACAAACTGCATTTGAAACTGATACTCTTGAGAGTGGGAGAGGTAAACGGAATTCCTGGTGTAGTAGTGAAATGCGTAGATATCAGGAGGAACACCGGTGGCGAAGGCGGTTTACTGGACCACAACTGACGCTGAGACACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU355;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9997),c:Gammaproteobacteria(0.9882),o:Pasteurellales(0.9941),f:Pasteurellaceae(0.9892),g:Pasteurella(0.9705);

ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGGGCAACCCTGACGCAGCCATGCCGCGTGAATGAAGAAGGCCTTCGGGTTGTAAAGTTCTTTCGGTGATGAGGAAGGCGGTTAGTTTAATAGGCTAATCGATTGACGTTAATCACAGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCGAGCGTTAATCGGAATAACTGGGCGTAAAGGGCACGCAGGCGGTTGCTTAAGTGAGGTGTGAAATCCCCGGGCTTAACCTGGGAATTGCATTTCAGACTGGGCAGCTAGAGTATTTTAGGGAGGGGTAGAATTCCACGTGTAGCGGTGAAATGCGTAGAGATGTGGAGGAATACCGAAGGCGAAGGCAGCCCCTTGGGGAAATACTGACGCTCATGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU354;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Gracilibacteraceae(0.1291),g:Gracilibacter(0.0230);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTCTTCGGATTGTAAACCTTTGTCCTATGGGACGAAAGAAATGACGGTACCATAGGAGGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTCATGTAAGTCAGATGTGAAAGACCGGGGCTTAACCCCGGGGTTGCATTTGAAACTGTGTGACTTGAGTACAGGAGAGGGAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU357;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Lachnospiraceae(0.4224),g:Clostridium_XlVa(0.0904);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAGATGACGGTACCTGACTAAGAAGCACCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGGTGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGTGGCAAGGCAAGCCAGAAGTGAAAACCCGGGGCTCAACCGCGGGATTGCTTTTGGAACTGTCATGCTGGAGTGCAGGAGGGGTGAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGAGGCGAAGGCGGCTCACTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU356;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Lachnospiraceae(0.7068),g:Clostridium_XlVa(0.4787);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGATAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGTGGCATGGCAAGTCAGATGTGAAAGCCCGGGGCTCAACCCCGGGACTGCATTTGAAACTGCCAGGCTGGAGTGCAGGAGAGGTAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU358;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Negativicutes(0.9776),o:Selenomonadales(0.9685),f:Veillonellaceae(0.9480),g:Selenomonas(0.4787);

ACGGGAGGCAGCAGTGGGGAATCTTCCGCAATGGGCGAAAGCCTGACGGAGCAACGCCGCGTGAGTGAAGAAGGTCTTCGGATCGTAAAGCTCTGTTGTCGGGGACGAATGTACCTTTTGTGAATAATGAGAGGTAATGACGGTACCTGACGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGAATTATTGGGCGTAAAGGGAGCGCAGGCGGGAAGGCAAGTCAGTCTTAAAAGTGCGGGGCTCAACCCCGTGATGGGATTGAAACTGTCTTTCTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU359;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Clostridiales_Incertae_Sedis_XIII(0.3204),g:Mogibacterium(0.0904);

ACGGGAGGCAGCAGTAAGGAATCTTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAACGATGAAGGCCTTCGGGTTGTAAAGTTCAAAACCTAGGGAAGAAGAAAGTGACGGTACCTAGGGTTAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTTCGTAGGTGGTTATCTAAGCGCAAGGTTTAATCTTGAGGCTCAACCTCATTTTGCCTTGCGAACTGGACTACTTGAGTGCAGGAGGGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGAACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU361;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Eubacteriaceae(0.1872),g:Eubacterium(0.0519);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCAACGCCGCGTGAACGAAGAAGGCCTTCGGGTCGTAAAGTTCTGTCCATAGGGAAGAAATAAATGACGGTACCTTTGGAGGAAGCCCCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTGCGTAGGTGGTGGCTTAAGCGCAGGGTTTAAGGCAATAGCTTAACTATTGTTCGCCTTGCGAACTGGGTCACTTGAGTACAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCATAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGAAACTGACACTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU362;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9990),c:Betaproteobacteria(0.9726),o:Burkholderiales(0.8955),f:Sutterellaceae(0.7428),g:Parasutterella(0.6200);

ACGGGAGGCAGCAGTGGGGAATTTTGGACAATGGGGGCAACCCTGATCCAGCCATGCCGCGTGCGGGAAGAAGGCCTTCGGGTTGTAAACCGCTTTTGTTAGGAACGAAAAGGCTTTGACGAATAATCAGAGCTGCTGACGGTACCTAAAGAATAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCGAGCGTTAATCGGAATTACTGGGCGTAAAGCGTGCGCAGGCGGTTGGGTAAGACAGATGTGAAATCCCTGAGCTTAACTTAGGAATAGCATTTGTGACTGCTCGACTGGAGTGTGTCAGAGGGAGGTGGAATTCCAAGTGTAGCAGTGAAATGCGTAGATATTTGGAAGAACACCGATGGCGAAGGCAGCCTCCTGGGATAACACTGACGCTCATGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU360;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Ruminococcaceae(0.2184),g:Cellulosibacter(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGGGGAACCCTGACGCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTCGTAAACTTTTGTCTGGAGGGACGATAGTGACGGTACCTCCGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGCGCGTAGACGGGCATGTAAGTCAGATGTGAAATACCGGGGCTCAACTCCGGGGCTGCATTTGAAACTGCAAGTCTTGAGTGCAGGAGAGGGAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACGTTGAGGCGCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

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,f:Spirochaetaceae(0.9015),g:Treponema(0.6200);
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>OTU365;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9719),o:"Bacteroidales"(0.88
46),f:"Prevotellaceae"(0.6350),g:Prevotella(0.3043);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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,f:Spirochaetaceae(0.9015),g:Treponema(0.6681);
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coccaceae(0.4563),g:Clostridium_IV(0.0712);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGAGGAAACTCTGATGCAGCGATGCCGCGTGAGGGAAGAAGGT
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onales(0.7995),f:Desulfovibrionaceae(0.4563),g:Desulfovibrio(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGT
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iales_Incertae_Sedis_XI(0.0457),g:Sporanaerobacter(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGAGGCAACTCTGACCCAGCAATGCCGCGTGAGCGATGAAGGT
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coccaceae(0.5632),g:Ethanoligenens(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAGGGAAGAAGGT
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9939),f:Coriobacteriaceae(0.9900),g:Olsenella(0.9818);
ACGGGAGGCAGCAGTGGGGAATCTTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGCGGGACGAAGGC
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coccaceae(0.2524),g:Intestinimonas(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAAGGAAGAAGGT
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dales(0.9685),f:Succinivibrionaceae(0.9480),g:Succinivibrio(0.9566);
ACGGGAGGCAGCAGTAGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCCATGCCGCGTGTGTGAAGAAGGC
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52),f:"Porphyromonadaceae"(0.2524),g:Barnesiella(0.0230);
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,f:Veillonellaceae(0.9876),g:Mitsuokella(0.9566);
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coccaceae(0.3544),g:Acetivibrio(0.0519);
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80),f:"Porphyromonadaceae"(0.2184),g:Barnesiella(0.0326);
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spiraceae(0.0560),g:Clostridium_XlVa(0.0110);
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,f:Veillonellaceae(0.0904),g:Selenomonas(0.0181);
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83),f:"Marinilabiaceae"(0.0560),g:Anaerophaga(0.0134);
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occaceae_1(0.3204),g:Peptococcus(0.0904);
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iaceae_1(0.5991),g:Clostridium_sensu_stricto(0.3043);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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occaceae_1(0.0560),g:Peptococcus(0.0134);
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coccaceae(0.9108),g:Faecalibacterium(0.3479);
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occaceae_2(0.0560),g:Desulfotomaculum(0.0134);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
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9939),f:Coriobacteriaceae(0.9900),g:Paraeggerthella(0.9762);
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coccaceae(0.8864),g:Butyricicoccus(0.8124);
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spiraceae(0.8505),g:Blautia(0.4787);
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spiraceae(0.2864),g:Butyrivibrio(0.0615);
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coccaceae(0.4224),g:Hydrogenoanaerobacterium(0.0423);
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coccaceae(0.1679),g:Clostridium_IV(0.0181);
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0.1483),f:Kiloniellaceae(0.0560),g:Kiloniella(0.0134);
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23),f:"Porphyromonadaceae"(0.5273),g:Butyricimonas(0.1735);
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II(0.0000),g:GpXIII(0.0000);
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iales_Incertae_Sedis_XIII(0.0355),g:Anaerovorax(0.0087);
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>OTU423;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Clostridiales_Incertae_Sedis_XI(0.0457),g:Sedimentibacter(0.0110);
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>OTU427;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9882),o:Clostridiales(0.9939),f:Clostridiaceae_1(0.9873),g:Clostridium_sensu_stricto(0.9781);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGATGCGTAGGTGGAATTTTAAGTGGGATGTGAAATACCCGGGCTCAACCTGGGAACTGCATTCCAAACTGGAATTCTAGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGCATGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU428;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Lachnospiraceae(0.5991),g:Clostridium_XlVa(0.3043);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGACGGCACTGCAAGTCTGAAGTGAAAGCCCGGGGCTCAACCCCGGGACTGCTTTGGAAACTGTAGGGCTAGAGTGCTGGAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTGCTGGACAGTAACTGACGTTCAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU425;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9991),c:Betaproteobacteria(0.9791),o:Burkholderiales(0.8955),f:Oxalobacteraceae(0.8146),g:Oxalobacter(0.5239);

ACGGGAGGCAGCAGTGGGGAATTTTGGACAATGGGGGCAACCCTGATCCAGCAATGCCGCGTGAGTGAAGAAGGCCTTCGGGTTGTAAAGCTCTTTTGTCAGGGAAGAAAAGGACCGGGCCAATAGCCTGGTTTCATGACGGTACCTGAAGAATAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCGAGCGTTAATCGGAATTACTGGGCGTAAAGCGTGCGCAGGCGGTTGTGTAAGACAGATGTGAAATGCCCGGGCTTAACCTGGGAATTGCATTTGTGACTGCACGGCTAGAGTGTGTCAGAGGGGGGTAGAATTCCACGTGTAGCAGTGAAATGCGTAGATATGTGGAGGAATACCGATGGCGAAGGCAGCCCCCTGGGATGACACTGACGCTCATGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU429;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Clostridiaceae_1(0.4914),g:Clostridium_sensu_stricto(0.2171);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGGGTGATGAAGGTTTTCGGATCGTAAAGCCCTGTCTTTTGGGACGATAATGACGGTACCAAAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACCTTTAAGTGAGATGTGAAATACCCGAGCTCAACTTGGGTGCTGCATTTCAAACTGGAGGTCTAGAGTGTCGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACCCCGGTGGCGAAGGCGACTTACTGGACGATAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU431;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9638),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5023),f:"Porphyromonadaceae"(0.3204),g:Barnesiella(0.0423);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTCGCGTGAGGGAGGACGGCCCTACGGGTTGTAAACCTCTTTTGCCGGGGAGCAACGGGCGTCACGTGTGGCGCCACTGAGAGTACCCGGAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGATCGTTAAGTCAGTGGTCAAATTGAGGGGCTCAACCCCTTCCCGCCATTGAAACTGGCGATCTTGAGTGGAAGAGAAGTATGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACCCCGATTGCGAAGGCAGCATGCCGGCTTCCGACTGACGCTGAAGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU430;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Eubacteriaceae(0.0355),g:Alkalibacter(0.0087);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGAGGCAACTCTGACCCAGCAACGCCGCGTGAATGATGAAGGTCTTCGGATTGTAAAGTTCTGTGATGGGGGACGAAGAAAGTGACGGTACCCCAATAGCAAGCTACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTAGCAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGTGCGTAGGTGGTTTATCAAGTTGGTGGTGTAATTCCGGGGCTTAACTCCGGAGCTACCACCAAGACTGATGAACTTGAGTACGGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAAGCGACTTACTGGCCCGCAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU433;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9987),c:Gammaproteobacteria(0.9747),o:Aeromonadales(0.7623),f:Succinivibrionaceae(0.5632),g:Anaerobiospirillum(0.3479);

ACGGGAGGCAGCAGTAGGGAATATTGCACAATGGAGGGAACTCTGATGCAGCCATGCCGCGTGTGTGAAGAAGGCCTTCGGGTTGTAAAGCACTTTCAGTAGGGAGGAGAAAGGACGTTACCTACAGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATAACTGGGCGTAAAGGGCATGTAGGCGGATAAGCAAGTAAGGTGTGAAATCCCTGGGCTCAACCTAGGAACTGCACTTTAAACTACTAATCTAGAGTATTGCAGAGGGAGATGGAATTTCAGGTGTAGCGGTGAAATGCGTAGATATCTGAAAGAACACCAGAGGCGAAGGCGATCTCCTGGGCAAATACTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU432;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Ruminococcaceae(0.0560),g:Clostridium_IV(0.0134);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTTCTTAGTGACGAAGGAAGTGACGGTAGCTAAGAAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGTGAGTAGGCGGTTTATTAAGTTGGATGTGAAATACCCGGGCTTAACTTGGGGGGTGCATTCAAAACTGGTAGACTAGAGTATCGGAGAGGGAAGCGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATCAGGAGGAACACCGGTGGCGAAGGCGGCTTTCTGGACGACAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU434;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Lachnospiraceae(0.4914),g:Roseburia(0.1735);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGGCGAAGAAGTATTTCGGTATGTAAAGCCCTATCAGCAGGGAAGAAGAAATGACGGTACCTGAGTAAGAAGCACCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGGTGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGCACGGCAAGCCTGATGTGAAAGCCCGCGGCCCAACCGCGGGACTGCATTGGGAACTACCGGGCTGGAGTGCCGGAGAGGTAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGACGGTGACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU435;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Lachnospiraceae(0.0252),g:Lachnospiracea_incertae_sedis(0.0066);

ACGGGAGGCAGCAGTCGGGAATATTGCACAATGGAGGAAACTCTGATGCAGTGACGCCGCGTACAGGAAGAAGGTCTTTGGATTGTAAACTGTTGTCGAAAGGGAAGAAAAAAGACAGTACCTTTGGAGGAAGCTCCGGCAAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTATCCGGATTTATTGGGTGTAAAGGGCGCGTAGACGGTATAACAAGTTGGTTGTGAAATCCCGAGGCTCAACTTCGGAACTGCAACCAAAACTGTTTAACTTGAGTATGGGAGAGGAAAGCGGAATTCCTAGTGGAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACCATAACTGACGTTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU436;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Ruminococcaceae(0.5273),g:Hydrogenoanaerobacterium(0.0808);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGATTGCAAGTTGAATGTTAAAACTATCGGCTCAACTGGTAGCTGCGTTCAAAACTGCAATTCTTGAGTGAAGTAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTTACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU437;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Lachnospiraceae(0.4224),g:Roseburia(0.2171);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGTTCTGCAAGTCTGATGTGAAAGCCCGGGGCTCAACCCCGGGACTGCATTGGAAACTGTGGGACTTGAGTGTCGGAGGGGCAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGACAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU439;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9719),o:"Bacteroidales"(0.8846),f:"Prevotellaceae"(0.6350),g:Prevotella(0.1735);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGAAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATGTGGGAATAAAGTGAGGGACGTGTCCCTTTTTGTAGGTACCACATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTTTTTTAAGCGTGTTGTGAAATACTGTCGCTCAACGACAGAGGTGCAGCGCGAACTGGGAGACTTGAGTGCGCGGAATGCAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCTTGCAGTAGCGTAACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU438;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Rumino
coccaceae(0.7428),g:Ruminococcus(0.4351);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGATGCCGCGTGGAGGAAGAAGGT
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CAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGACGGTAA
GTCAGATGTGAAATATACGTGCTCAACATGTAGACTGCATTTGAAACTGCTGTTCTTGAGTGAAGTAGAGGTAAGCG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACATCGGTGGCGAAGGCGGCTTACTGGGCTTTTAC
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>OTU440;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Rumino
coccaceae(0.0710),g:Clostridium_III(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGAGGCAACTCTGACCCAGCAACGCCGCGTGAATGAAGAAGGT
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CAGCAGTCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGAGAGTAGGCGGTGCAA
CAAGTTAGGAGTGAAATCCCGAGGCTTAACCTCGGAACTGCTTTTAAAACTGTTGTGCTTGAGTGATGGAGAGGAAA
GCGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGAGGCGAAGGCGGCTTTCTGGACAT
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>OTU442;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9671),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.61
38),f:"Prevotellaceae"(0.2184),g:Alloprevotella(0.0423);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTTCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCGGGTGTTTAAGTCAGCTGTGAAAGTTTGAGGCTCAACCTTAAAATTGCAGTTGATACTGGATACCTTG
AGTGTGCGCAGCGGCATTGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATTACGAAGAACTCCGATCGCGAAG
GCATATGCCGGGAGCACAACTGACGCTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU441;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.7547),c:Alphaproteobacteria(0.4428),o:Rhodospirill
ales(0.1015),f:Rhodospirillaceae(0.0355),g:Tistrella(0.0076);
ACGGGAGGCAGCAGTGAGGAATATTGGGCAATGGAGGCAACTCTGACCCAGCCATGCCGCGTGAGTGAAGAAGGT
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CAGCCGCGGTAATACGAAGGGGGCGAGCGTTGTTCGGAATTACTGGGCGTAAAGGGTGTGTAGGCGGCTTTGTAAG
ATAGCGGTGAAATACCTGGGCTTAACCTAGGAACTGCCGTTATTACTATAGAGCTAGAGTGATAGAGAGGATATTGG
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>OTU443;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachnospiraceae(0.3884),g:Clostridium_XlVa(0.0904);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATCTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGCTGCAAGTCCGGAGTGAAAGCCCATGGCTTAACCATGGTACTGCTCTGGAAACTGTGGAGCTTGAGTGCGGGAGGGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGCGGCGAAGGCGGCCTGCTGGACCGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU444;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9993),c:Spirochaetia(0.9918),o:Spirochaetales(0.9935),f:Spirochaetaceae(0.9928),g:Treponema(0.9938);

ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGGGGAAACCCTGACGGAGCGACGCCGCGTGGATGATGAAGGCCGGAAGGTTGTAAAGTCCTTTTGGGCGCAAAGAATAAGTACGCGAGGAAATGCGCGTGCGGTGACGGTAGCGCCTGAATAAGCAACGGCTAATTACGTGCCAGCAGCCGCGGTAACACGTAAGTTGCGAGCGTTGTTCGGAATTATTGGGCGTAAAGGGCATGTAGGCGGTCGTGCAAGCTTGGTGTGAAATCCCGGGGCTCAACTCCGGGACTGCGTTGAGAACTGCACGGCTAGAGTAACTGAGGGGCAGCCGGAATTCCAGGTGTAGGGGTGAAATCTGTAGATATCTGGAAGAACACCAATGGCGAAGGCAGGCTGCCAGCAGATTACTGACGCTGAGGTGCGAAGGTGCGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU446;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9769),o:Clostridiales(0.9606),f:Ruminococcaceae(0.9294),g:Oscillibacter(0.7162);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGACGCAAGTCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTAAGGGGGAAGAGAAGAAGACGGTACCCCTTGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGCAGACAAGTCAGATGTGAAATCTGGAGGCTTAACCTCCAAACTGCATTTGAAACTGCCTGTCTTGAGTGTCGGAGAGGTAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCGGTGGCGAAGGCGGATTACTGGACGATAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU448;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9168),c:"Bacteroidia"(0.4045),o:"Bacteroidales"(0.1719),f:Prolixibacteraceae(0.0710),g:Mangrovibacterium(0.0157);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGGAAGGCTGAACCAGCCATGCCGCGTGAAGGAATAAGGTCCTATGGATTGTAAACTTCTTTTGTATGGGAGCAATAAGGGTTACGTGTAATCCGATGAGAGTACCATACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTATGGTAAGTCAGTGGTGAAATGTCTCCGCTCAACGGTGAAAGTGCCATTGATACTGTCGTACTTGAATTCGGATGCCGTGGGAGGAATGTGTAGTGTAGCGGTGAAATGCATAGATATTACACAGAACACCGATTGCGAAGGCATCTCACGAATCCGACATTGACGCTGAGGCACGAAAGTGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU445;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9572),c:Actinobacteria(0.8755),o:Coriobacteriales(0.6509),f:Coriobacteriaceae(0.4563),g:Adlercreutzia(0.0326);

ACGGGAGGCAGCAGTGGGGAATCTTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGCGGGAAGACGGCCTTCGGGTTGTAAACCGCTTTCAGCGGGGACGATTATGACGGTACCCGCAGAAGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTATCCGGATTCATTGGGCGTAAAGCGCGCGTAGGCGGATGCCTAAGCGGGACCTCTAACCCGGGGGCTCAACCCCCGGCCGGGTCCCGAACTGGGCGTCTCGAGTGCGGTAGGGGCAGGTGGAATTCCATGTGTAGCGGTGGAATGCGCAGATATATGGAAGAACACCGACGGCGAAGGCAGCCTGCTGGGCCGACACTGACGCTGAGGTGCGAAAGCGCGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU449;tax=d:Archaea(0.0076),p:"Crenarchaeota"(0.0032),c:Thermoprotei(0.0011),o:Thermoproteales(0.0010),f:Thermoproteaceae(0.0003),g:Caldivirga(0.0003);

GGCTTAATTTGACTCAACGCGGGAAACCTCACCCGGCCCGGACACGGACAGGATTGACAGATTGATAGCTCTTTCTCGATTCCGTGGGTGGTGGTGCATGGCCGTTCTTAGTTGGTGGAGCGATTTGTCTGGTTAATTCCGATAACGAACGAGACTCTGGCATGCTAACTAGTTACGCGACCCCCGAGCGGTCGGCGTCCCCCAACTTCTTAGAGGGACAAGTGGCGTTCAGCCACCCGAGATTGAGCAATAACAGGTCTGTGATGCCC

>OTU447;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Ruminococcaceae(0.0560),g:Intestinimonas(0.0110);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGGTCTTCGGATTGTAAACCTCTTTCAGCAGGGAAGAAGAAAGTGACGGTACCTGCAGAAGAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGTGTAGGCGGGAATGCAAGTCAGACGTGAAAACTTAAGGCTCAACCTTAAGCCTGCGTTTGAAACTGTGTTTCTTGAGAGTGGGAGAGGTAAACGGAATTCCTGGTGTAGTAGTGAAATGCGTAGATATCAGGAGGAACACCGGTGGCGAAGGCGGTTTACTGGACCACAACTGACGCTGAGACACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU452;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Deltaproteobacteria(0.9769),o:Desulfovibrionales(0.9606),f:Desulfovibrionaceae(0.9015),g:Desulfovibrio(0.7643);

ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGTCCTCGGATCGTAAACCTCTGTCAGAAGGGAAGAATGTAGCGCGTGCCAATCAGCGCGTTATTGACGGTACCTTCAAAGGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATCACTGGGCGTAAAGCGCACGTAGGCTGTCGTGTAAGTCAGGGGTGAAAGCCCACGGCTCAACCGTGGAATTGCCCTTGATACTGCATGACTGGAATCCGGGAGAGGGTAGTGGAATTCCAGGTGTAGGAGTGAAATCCGTAGATATCTGGAGGAACATCAGTGGCGAAGGCGACTACCTGGACCGGTATTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU451;tax=d:Bacteria(1.0000),p:Firmicutes(0.2586),c:Clostridia(0.1159),o:Clostridiales(0.0547),f:Clostridiaceae_1(0.0113),g:Clostridium_sensu_stricto(0.0056);

ACGGGAGGCAGCAGTAGGGAATATTGGGCAATGGAGGCAACTCTGACCCAGCAACGCCGCGTGAAGGATGAAGGC
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CAGCAGCCGCGGTAAAACATAGGGGGCAAGCATTGTCCGGAATCACTGGGCGTAAAGGGAGCGTAGGCGGATTTTT
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TGGAATTCCTAGTGTAGCGGTAGAATGCGTAGAGATTAGGAGGAACATCAGAGGCGAAGGCGGCTTACTGGACCAT
AACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU454;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Eubact
eriaceae(0.1872),g:Eubacterium(0.0519);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGT
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AGCAAGTTGGATGTGAAATACCGAGGCTTAACCTCGGAGCTGCATCCAAAACTGCCGTTCTTGAGTGAAGTAGAGGT
AGGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCGGTGGCGAAGGCGGCCTACTGGG
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iaceae_1(0.1291),g:Oxobacter(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGAGGCAACTCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
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GTAACTGACGCTGATGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU456;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.39
59),f:"Porphyromonadaceae"(0.1872),g:Barnesiella(0.0181);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAATGT
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9063),f:Coriobacteriaceae(0.8864),g:Olsenella(0.3043);

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37),f:"Prevotellaceae"(0.5632),g:Prevotella(0.1735);
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>OTU457;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Rumino
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95),f:"Prevotellaceae"(0.4224),g:Prevotella(0.0712);
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coccaceae(0.7428),g:Clostridium_IV(0.3479);

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cterales(0.0000),f:Campylobacteraceae(0.0000),g:Campylobacter(0.0000);

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89),f:"Porphyromonadaceae"(0.7428),g:Parabacteroides(0.4351);

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>OTU459;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Rumino
coccaceae(0.2184),g:Ethanoligenens(0.0519);

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GCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGGCTT
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iaceae_1(0.1679),g:Clostridium_sensu_stricto(0.0423);

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59),f:"Prevotellaceae"(0.1098),g:Prevotella(0.0181);
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spiraceae(0.3884),g:Clostridium_XlVa(0.0904);
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59),f:"Prevotellaceae"(0.1291),g:Paraprevotella(0.0181);
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onales(0.8629),f:Desulfovibrionaceae(0.5632),g:Desulfovibrio(0.3915);
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03),f:"Porphyromonadaceae"(0.5632),g:Odoribacter(0.3479);
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8303),f:Coriobacteriaceae(0.6350),g:Olsenella(0.0904);
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.5766),f:Demequinaceae(0.1872),g:Demequina(0.0423);
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,f:Veillonellaceae(0.9876),g:Mitsuokella(0.8605);
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coccaceae(0.9294),g:Faecalibacterium(0.4787);
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63),f:"Porphyromonadaceae"(0.8146),g:Odoribacter(0.7162);
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cterales(0.9940),f:Campylobacteraceae(0.9887),g:Campylobacter(0.9915);
ACGGGAGGCAGCAGTAGGGAATATTGCTCAATGGGGGAAACCCTGAAGCAGCAACGCCGCGTGGAGGATGACACT
TTTCGGAGCGTAAACTCCTTTTGTTAGGGAAGAACCATGACGGTACCTAACGAATAAGCACCGGCTAACTCCGTGCCA
GCAGCCGCGGTAATACGGGGGGTGCAAGCGTTACTCGGAATCACTGGGCGTAAAGGACGCGTAGGCGGATTATCAA
GTCTCTTGTGAAATCCTATGGCTTAACCATAGAACTGCTTGGGAAACTGATAATCTAGAGTGAGGGAGAGGCAGATG
GAATTGGTGGTGTAGGGGTAAAATCCGTAGAGATCACCAGGAATACCCATTGCGAAGGCGATCTGCTGGAACTCAA
CTGACGCTAAGGCGTGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU482;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Negativicutes(0.9740),o:Selenomonadales(0.9172)
,f:Veillonellaceae(0.9015),g:Anaerovibrio(0.3915);
ACGGGAGGCAGCAGTGGGGAATCTTCCGCAATGGGCGAAAGCCTGACGGAGCAACGCCGCGTGAGTGAAGAAGGT
TTTCGGATCGTAAAGCTCTGTTGTCAGGGACGAGAGAGTCTGTCAGGAAATGGGCAGGCTAGGACGGTACCTGGCG
AGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGAATTATTGGGCG
TAAAGGGAGCGCAGGTGGGAAAGTAAGTCAGTCTTAAAAGTGCGGGGCTCAACCCCGTGAGGGGATTGAAACTACT
TTTCTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGT
GGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTG
GTA

>OTU485;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8897),o:"Bacteroidales"(0.7623),f:"Prevotellaceae"(0.4563),g:Prevotella(0.0808);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGCCCTATGGGTTGTAAACTGCTTTTTCGCGGGGATAAAGAGGGGGACTTGTCCCCCGTTGCAGGTACCGCGTGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGTATGGTAAGCGTGTTGTGAAATGCCGTGGCTCAACCATGGCACTGCAGCGCGAACTGCCGTACTTGAGTACGCTGGAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACCCCGATTGCGAAGGCAGCCTACCGTAGCGGCACTGACGCTGAGGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU484;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Ruminococcaceae(0.5632),g:Anaerofilum(0.1299);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCTTCGGGGACGATAATGACGGTACCCGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGCAGGTGGAAACGCAAGTAGGATGTCTAATCTACGGGCTCAACCCGTAACCGCATTCTAAACTGTGTTTCTTGAGTGGAGTAGAGGCAGGCGGAATTCCCGGTGTAGCGGTGGAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTCTAACTGACACTGAGGCTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU488;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8472),o:"Bacteroidales"(0.6509),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0615);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGAGGGATGACTGCCCTATGGGTTGTAAACCTCTTTTATGTGAGGATAAATGACGGTACGTGTACCGTTTTGCAGGTATCACATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGCCTTTTAAGCGTGTTGTGAAATGTAGACGCTCAACGTCTGAATTGCAGCGCGAACTGGAGGGCTTGAGTGCGCGGTAAGCAGGCGGAATTTGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTTGCTGTAGCGTTACTGACGCTGAAGTTCGAAAGCGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU486;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Ruminococcaceae(0.1485),g:Saccharofermentans(0.0157);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGGTCTTCGGATTGTAAACCTTAAATAACAGGGACGAAAGAAATGACGGTACCTGTTGGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGTGTAGGCGGGTCGGCAAGTCGGATGTGAAAATCTCGGGCTCAACTCGAGACCTGCGTCCGAAACTGTCGATCTTGAGGGTCGGAGAGGTAAACGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACATCTGTGGCGAAGGCGGTTTACTGGACGACAACTGACGCTGAGACACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU487;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Rumino
coccaceae(0.2184),g:Clostridium_IV(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGG
TCTTCGGATTGTAAACCTTTGTAGACGGGGACGAAACAAATGACGGTACCTGTAAAGTAAGCCACGGCTAACTACGT
GCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGTGTAGGCGGGGAT
GCAAGTCAGATGTGAAATTTCGAGGCTTAACTTCGGAACTGCATTTGAAACTGCAACTCTTGAGAGTCGGAGAGGTA
AGCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGAC
GACAACTGACGCTGAGACACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU491;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9995),c:"Bacteroidia"(0.9903),o:"Bacteroidales"(0.99
37),f:"Prevotellaceae"(0.9892),g:Prevotella(0.9918);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGAAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTATGGGTTGTAAACTGCTTTTTTAGGGGAATAAAGTTAGCCACGTGTGGTTATTTGCATGTACCCTACGAATAAGG
ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
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GTGCACAGGAAGCGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCAATTGCGAAGG
CAGCTCGCTGTAGTGTTACTGACGCTAAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU489;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Rumino
coccaceae(0.5273),g:Clostridium_IV(0.1735);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGAAGGT
TTTCGGATTGTAAACCTCTGTCCAAAGGGAAGAAAAAAATGACGGTACCTTTGGAGGAAGCTCCGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCGATA
TGGGTCAGACGTGAAATACATGAGCTTAACTCATGAACTGCGTTTGAAACTATATGGCTTGAGTGAAGTAGAGGCAG
GCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCT
TTAACTGACGCTGAGGCACGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU490;tax=d:Bacteria(1.0000),p:"Tenericutes"(0.7907),c:Mollicutes(0.5195),o:Acholeplasmatales(0.267
9),f:Acholeplasmataceae(0.1291),g:Acholeplasma(0.0230);
ACGGGAGGCAGCAGTAGGGAATTTTCGGCAATGGGGGCAACCCTGACCGAGCAATGCCGCGTGAATGAAGAAGAT
CTTCGGATTGTAAAATTCTGTTATTGGGGAAGAAAAATATGCATAGGAAATGATGTATATCTGACGGTACCTGATGA
GGAAGCCCCGGCTAACTATGTGCCAGCAGCCGCGGTAATACATAGGGGGCAAGCGTTATCCGGAATTATTGGGCGT
AAAGCGTGCGTAGGCGGTTTATTAAGTCTGATGTGAAAGCCCACAGCTTAACTGTGGAATGTCATTGGAAACTGGTA
AACTAGAGTACGGTAGAGGTAAGTGGAATTCCAAGTGGAGCGGTGGAATGCGTAGAGATTTGGAGGAACACCAGT
GGCGAAGGCGGCTTACTGGGCCGGAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCT
GGTA

>OTU492;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8520),f:Bacteroidaceae(0.4224),g:Bacteroides(0.2171);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGTAAGGCTGAACCAGCCAAGTAGCGTGAAGGATGACCGCCCTACGGGTCGTAAACTTCTTTTATAAGGGAATAACACCTCCCACGTGTGGGAGGCTGCATGTACCTTATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGACGGGCGATTAAGTCAGTTGTGAAATGCCGCGGCTCAACCGTGGACTTGCAGTTGATACTGGTTGCCTTGAGTGCGGTTGAGGCACGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACCCCGATTGCGAAGGCAGCGTGCCAAGCCGTTACTGACGTTCATGCTCGAAGGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU494;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9805),o:"Bacteroidales"(0.9775),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATATGGGAATAAAGTGCAGTATGTATACTGCTTTGCATGTACCTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGTTGTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGCATCCTTGAGTACAGTAGAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGGACTGTAACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU493;tax=d:Bacteria(0.9827),p:Firmicutes(0.1707),c:Clostridia(0.0525),o:Clostridiales(0.0352),f:Ruminococcaceae(0.0086),g:Clostridium_III(0.0043);

ACGGGAGGCAGCAGTAGGGAATATTGGGCAATGGAGGAAACTCTGACCCAGCAACGCCGCGTGAAGGATGAAGGTTTTCGGATTGTAAACTTCTGTTATGAGAGAAAAATAAATGATGGTATCTCATGAGTAAGCTCCGGCTAACTATGTGCCAGCAGCCGCGGTAATACATAGGGAGCAAGCGTTGTCCGGAATTACTGGGCGTAAAGGGAACGTAGGCGGTTCTGCAAGTCAGAGGTGAAATCCCGGGGCTTAACTCCGGAATTGCCTTTGAAACTGCAGGACTAGAGTGTGGGAGAGGAAGATGGAATTCCAAGTGTAGCGGTGGAATGCGTAGATATTTGGAAGAACATCAGAGGCGAAGGCGATCTTCTGGAACACAACTGACGCTTAGGTTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU495;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Ruminococcaceae(0.1872),g:Saccharofermentans(0.0230);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGGTCTTCGGATTGTAAACCTTTGTCAACAGGGACGAAGCAATGACGGTACCTGTGAAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGAGTAGGCGGGAAGGCAAGTCAGATGTGAAATGCAATGGCTCAACCATTGAATTGCATTTGAAACTGTTTTTCTTGAGAGTCGGAGAGGTAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGGATTACTGGACGACAACTGACGCTGAGACACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU496;tax=d:Bacteria(1.0000),p:"Tenericutes"(0.9704),c:Mollicutes(0.9321),o:Anaeroplasmatales(0.6881),f:Anaeroplasmataceae(0.4914),g:Anaeroplasma(0.3043);
ACGGGAGGCAGCAGTAGGGAATTTTCGGCAATGGACGAAAGTCTGACCGAGCAATGCCGCGTGAACGAAGAAGTATTTCGGTATGTAAAGTTCTTTTATTAGGGACGAAAAAACAAATTGACGGTACCTAATGAATAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTATCCGGAATTATTGGGCGTAAAGGGTGCGTAGATGGCACATTAAGTTTTCTGTAAAAATGCTAGGCTCAACCTAGTAGGGCAGAAAATACTGATGAGCTAGAGTACGACAGAGGCAAGTGGAACTCCATGTGTAGCGGTAAAATGCGTAAATATATGGAAGAACACCAGTGGCGAAGGCGGCTTGCTAGGTCGATACTGACATTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU498;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Ruminococcaceae(0.6709),g:Clostridium_IV(0.1735);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGATGCCGCGTGAATGATGACGGCCTTCGGGTTGTAAAGTTCTGTCGTCAGGGACGATAATGACGGTACCTGACAAGAAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGAATGCAAGTTGAATGTTAAATCTACCGGCTCAACCGGTTAGCTGCGTTCAAAACTGTATTTCTTGAGTGAAGTAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTTACTGACGCTGAGGCTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU499;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachnospiraceae(0.3884),g:Clostridium_XlVa(0.0904);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGGTGAAGAAGTATTTCGGTATGTAAAGCCCTATCAGCAGGGAAGAAAATGACAGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGTGGCCTGGCAAGCCAGAAGTGAAAACCCGGGGCTTAACCCCGTGGATTGCTTTTGGAACTGTTAGGCTTGAGTGCAGGAGGGGCAGGCGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATCAGGAGGAACACCGGTGGCGAAGGCGGCCTGCTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU497;tax=d:Bacteria(1.0000),p:Firmicutes(0.9997),c:Bacilli(0.9892),o:Lactobacillales(0.9940),f:Streptococcaceae(0.9881),g:Streptococcus(0.9910);
ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGGGCAACCCTGACCGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTAAGAGAAGAACTGTGAGAAGAGTGGAAAGTTTCTCACTTGACGGTATCTTACCAGAAAGGGACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTCCCGAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTGATAAGTCTGAAGTAAAAGGCTGTGGCTTAACCATAGTACGCTTTGGAAACTGTCAAACTTGAGTGCAGAAGGGGAGAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAGGAACACCGGTGGCGAAAGCGGCTCTCTGGTCTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU500;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Clostridiales_Incertae_Sedis_XIII(0.4914),g:Anaerovorax(0.3043);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCAACGCCGCGTGAACGATGAAGGTCTTCGGATTGTAAAGTTCTGTCCTTGGGGAAGAAGAATGTGACGGTACCCTTGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGAATTATTGGGCGTAAAGAGTACGTAGGTGGTTTTGTAAGCGCGGGGTGAAAGGCAGTGGCTTAACCATTGTTAGCCTTGCGAACTGCAAGACTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCTTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGTACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU501;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:"Bacteroidia"(0.1159),o:"Bacteroidales"(0.0547),f:"Porphyromonadaceae"(0.0149),g:Parabacteroides(0.0066);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTCGCGTGCGGGACGAAGGCCCTACGGGTCGCAGACCGCTTTTGCGCGGGGATAACGGCCGCCTCTTGAGGCGGCGTGAAGGTACCGCGCGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGCAGGCGGGCCTGCAAGCCCGCGGTGAAACCCCGGGGCTCAACCCCGGGCCTGCCGCGGGAACTGCCGGCCTTGAGTCGCGGCGAGGGCTGCGGAACGCGGGGTGTAGCGGTGAAATGCTTAGATACCCCGCAGAACTCCGATTGCGAAGGCAGCAGCCCAGGGGCGTACTGACGCTGAGGCACGAAGGCATGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU503;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9474),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.3959),f:"Porphyromonadaceae"(0.1872),g:Barnesiella(0.0230);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGTCCTACGGATTGTAAACCTCTTTTGTCGGGGAACAACAGGGGGCACGCGTGCCTTTGTGAGTGTACCCGAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGCGCGTCAAGCCGGTGGTAAAATTGCGGGGCTCAACCCCGTAGAGCCATCGGAACTGGCGTGCTTGAGTGGAGAAGAAGTATGCGGAATGCGAGGTGTAGCGGTGAAATGCATAGATATCGCGCAGAACTCCGATTGCGAAGGCAGCGTACTATTCTCCAACTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU502;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Negativicutes(0.9462),o:Selenomonadales(0.8520),f:Veillonellaceae(0.7068),g:Dialister(0.2607);

ACGGGAGGCAGCAGTGGGGAATCTTCCGCAATGGGCGAAAGCCTGACGGAGCAACGCCGCGTGAGTGAAGACGGCCTTCGGGTTGTAAAGCTCTGTTATTCGGGAAGAACGTCTTGGTTGTGAACAATGACGAAGAGTGACGGTACCGAAAGAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTATTGGGCGTAAAGAGCGCGCAGGCGGTGATGTAAGTCCGTCTTAAAAGTGCGGGGCTTAACCCCGTGATGGGATGGAAACTGCATGACTAGAGTATCGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCGGTGGCGAAGGCGACTTTCTGGACGAAGACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU505;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:"Bacteroidia"(0.4045),o:"Bacteroidales"(0.17
19),f:Bacteroidaceae(0.0710),g:Anaerorhabdus(0.0157);
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AGGGTGCGCAGGCGGATTGTTAAGTTCGAGGTGAAAGCGTTGGGCTCAACCCAATATAGCCTTAAATACTGGCAATC
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>OTU507;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9992),c:Betaproteobacteria(0.9769),o:Burkholderial
es(0.9063),f:Alcaligenaceae(0.8864),g:Advenella(0.4787);
ACGGGAGGCAGCAGTGGGGAATTTTGGACAATGGGGGAAACCCTGATCCAGCCATCCCGCGTGTGCGATGAAGGCC
TTCGGGTTGTAAAGCACTTTTGTCAGGGAAGAAAAGTTCGTGGTTAATACCCATGGACGCTGACGGTACCTGAAGAA
TAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAA
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>OTU504;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Eubact
eriaceae(0.4224),g:Eubacterium(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAAGGAAGAAGGT
CTTCGGATCGTAAACTTCTGTCCTAGGGGAAGAAGAACTGACGGTACCCTTGGAGGAAGCCCCGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTGCGTAGGTGGTTCTTT
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CGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGT
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>OTU509;tax=d:Bacteria(0.0058),p:"Proteobacteria"(0.0000),c:Betaproteobacteria(0.0000),o:Neisseriales(0
.0000),f:Neisseriaceae(0.0000),g:Gulbenkiania(0.0000);
CTTGGTCATTTAGAGGAAGTAAAAGTCGTAACAAGGTCTCCGTAGGTGAACCTGCGGAGGGATCATTACAAGAACGC
CCGGGCTTCGGCCTGGTTATTCATAACCCTTTGTTGTCCGACTCTGTTGCCTCCGGGGCGACCCTGCCTTCGGGCGGG
GGCTCCGGGTGGACACTTCAAACTCTTGCGTAACTTTGCAGTCTGAGTAAACTTAATTAATAAATTAAAACTTTTAACA
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>OTU506;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Clostridia(0.9840),o:Clostridiales(0.9889),f:Lachno
spiraceae(0.9873),g:Cellulosilyticum(0.7162);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCGACGCCGCGTGAAGGATGAAGGT
CTTCGGATTGTAAACTTCTATCAGCAGGGAAGAATAAATGACGGTACCTGACTAAGAAGCTCCGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCATGGT
AAGTCAGAAGTGAAATTTTGGGGCTCAACCCCAGAGCTGCTTCTGAAACTGCTGTGCTAGAGTGTGGGAGAGGAAA
GTGGAATTCCGAGTGTAGCGGTGAAATGCGTAGAGATTCGGAGGAACACCAGTAGCGAAGGCGGCTTTCTGGACCA
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>OTU508;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Deltaproteobacteria(0.9798),o:Desulfovibri
onales(0.9707),f:Desulfovibrionaceae(0.8505),g:Desulfovibrio(0.7643);

ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGT
CTTCGGATCGTAAACCTCTGTCAGAAGGGAAGAAACCGGATTGTGCCAATCAGCAGTCCATTGACGGTACCTTCAAA
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AAAGCGCACGTAGGCTGTTGCGTAAGTCAGGGGTGAAATCCCACGGCTCAACCGTGGAACTGCCCTTGATACTGCGT
GACTGGAATCCGGGAGAGGGTGGCGGAATTCCTGGTGTAGGAGTGAAATCCGTAGATATCAGGAGGAACATCAGT
GGCGAAGGCGGCCACCTGGACCGGTATTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCT
GGTA

>OTU510;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Rumino
coccaceae(0.5991),g:Acetanaerobacterium(0.1735);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGGGAAGACGGT
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CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGAATG
CAAGTTGAATGTTTAAACTATCGGCTCAACCGGTAGTCGCGTTCAAAACTGCATTTCTTGAGTGGAGTAGAGGCAGG
CGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTCT
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>OTU512;tax=d:Bacteria(1.0000),p:"Tenericutes"(0.9989),c:Mollicutes(0.9812),o:Anaeroplasmatales(0.968
5),f:Anaeroplasmataceae(0.9480),g:Anaeroplasma(0.9724);

ACGGGAGGCAGCAGTAGGGAATTTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGAACGAAGAAGTA
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TACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTATCCGGAATTATTGGGCGTAAAGGGTGCGTAGATG
GCAATATAAGTCTTATGTAAAAATGCTGGGCTCAACCCAGTAGGGCATAAGATACTGTATAGCTCGAGTATTGGAGA
GGCAAGTGGAACTCCATGTGTAGCGGTAAAATGCGTAAATATATGGAAGAACACCAGTGGCGAAGGCGGCTTGCTA
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>OTU511;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Rumino
coccaceae(0.4914),g:Intestinimonas(0.0808);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
CTTCGGGTTGTAAACTTCTTTTATCAGGGACGAAGGAAGTGACGGTACCTGATGAATAAGCCACGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGGATG
CAAGTCAGATGTGAAATCTATGGGCTCAACTCATAAACTGCATTTGAAACTGTATCTCTTGAGTGTCGGAGAGGTAGA
TGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGATCTACTGGACGAT
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>OTU513;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.90
63),f:"Prevotellaceae"(0.7068),g:Prevotella(0.1735);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCCGCCTTTTAAGCGTGTTGTGAAATGCAGTCGCTCAACGTCTGCACTGCAGCGCGAACTGGAGGGCTTG
AGTGCACGGGAAGCTGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACCCCGATTGCGAAG
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>OTU517;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Rumino
coccaceae(0.4224),g:Clostridium_III(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGGGAAACCCTGACGCAGCAACGCCGCGTGAAGGATGAAGGC
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>OTU516;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Rumino
coccaceae(0.3544),g:Ruminococcus(0.0423);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGAAGGT
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AGGGTCAGACGTGAAATATGTGGGCTTAACTCACAGACTGCGTTTGAAACTATATGGCTTGAGTGAAGTAGAGGCAG
GCGGAATTCCCTGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTT
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>OTU515;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.85
20),f:"Prevotellaceae"(0.4914),g:Prevotella(0.1299);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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AGCGTAGGCTGTTGCTTAAGCGTGTTGTGAAATGCCGCGGCTCAACCGTGGCACTGCAGCGCGAACTGGGCGGCTTG
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>OTU514;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Clostridiales_Incertae_Sedis_XIII(0.3884),g:Anaerovorax(0.1735);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAAGGAAGAAGGC
CTTTGGGTCGTAAACTTCTGTCCTTGGGGAAGATAATGACGGTACCCTTGGAGGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGAATTATTGGGCGTAAAGAGTACGTAGGTGGTTTCCTAA
GCACAGGGTTTAAGGCTAAGGCTCAACCATAGTTCGCCCTGTGAACTGGGAGACTTGAGTGCAGGAGAGGAAAGCG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAA
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>OTU520;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9997),c:Fusobacteriia(1.0000),o:"Fusobacteriales"(1.0000),f:"Fusobacteriaceae"(0.9908),g:Fusobacterium(0.9818);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGACCACAAGTCTGATCCAGCAATTCTGTGTGCACGATGACGTTT
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AAGTCTGATGTGAAAATGCGGAGCTCAACTCCGTATGGCGTTGGAAACTGCCTTACTAGAGTACTGGAGAGGTAGGC
GGAACTACAAGTGTAGAGGTGAAATTCGTAGATATTTGTAGGAATGCCGATGGGGAAGCCAGCCTACTGGACAGAT
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>OTU521;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9348),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3319),f:Bacteroidaceae(0.1098),g:Bacteroides(0.0204);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTAGCGTGAAGGACGAAGGC
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TGCGTAGGCGGGACCTTAAGTCAGTTGTGAAATCCGGCGGCCCAACCGTCGGCCTGCAGTTGATACTGGGGTCCTTG
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>OTU518;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Ruminococcaceae(0.0710),g:Intestinimonas(0.0134);

ACGGGAGGCAGCAGTGAGGGATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
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GAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTGGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGGCTTTTA
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>OTU519;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Rumino
coccaceae(0.3544),g:Intestinimonas(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAATGCCGCGTGAAGGAAGAAGGC
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CAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGATGGC
AAGTCAGATGTGAAATCCATGGGCTCAACCCATGAACTGCATTTGAAACTGTTATTCTTGAGTACTGGAGAGGTTGAC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGTCAACTGGACAGCA
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>OTU525;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Rumino
coccaceae(0.5273),g:Intestinimonas(0.0904);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGAAGGT
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CAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGACTGCAAG
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AATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACATTAAC
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>OTU524;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Gracilib
acteraceae(0.1291),g:Gracilibacter(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
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>OTU523;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Lachno
spiraceae(0.0560),g:Parasporobacterium(0.0110);

ACGGGAGGCAGCAGTCGGGAATATTGGGCAATGGAGGAAACTCTGACCCAGCAACGCCGCGTGAAGGAATAGAAG
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CCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGAGTGTAGGTGGCATA
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AGCGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAAGAACACCAGAGGCGAAGGCGGCTTACTGGACT
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>OTU522;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Rumino
coccaceae(0.0710),g:Saccharofermentans(0.0134);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGACGGAAGTCTGACCCAGCGACGCCGCGTGAGGGAAGAAGG
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CAAGTCAGGCGTGGAAATTACGGGCTCAACCCGTAACTTGCGCTTGAAACTGTTTCCCTTGAGTGTCGGAGAGGTAA
ATGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTGGGAGGAACACCGGTGGCGAAGGCGGTTTACTGGACGA
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>OTU526;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9321),o:"Bacteroidales"(0.84
12),f:Bacteroidaceae(0.3884),g:Bacteroides(0.1735);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGTAAGGCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
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TCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGCAGACGGGCTGTTAAGTCAGCTGTGAAATGCCGCGGCTCAACCGTGGACCTGCAGTTGATACTGGCGGCCTTGAG
TGCGGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACCCCGATTGCGAAGGC
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>OTU527;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Rumino
coccaceae(0.5632),g:Acetanaerobacterium(0.1299);

ACGGGAGGCAGCAGTGGGGGATATTGGTCAATGGGGGCAACCCTGAACCAGCGACGCCGCGTGAGGGAAGAAGGT
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GCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGGACGCA
AGTTGAATGTTAAAACTATCGGCTCAACCGGTAAGTGCGTTCAAAACTGTGTCTCTTGAGTGGAGTAGAGGCAGGCG
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>OTU530;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:Sphingobacteriia(0.9762),o:"Sphingobacteria
les"(0.9497),f:Chitinophagaceae(0.9294),g:Sediminibacterium(0.3915);

GTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTATCCGGATTCACTGGGTTTAAAGGGTGCGTAGGCGGGT
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AAGCGGAATATGTCATGTAGCGGTGAAATGCTTAGATATGACATAGAACACCCATTGCGAAGGCAGCTTACTACGCA
TATATTGACGCTGAGGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTAGTCCACGCCCTAAACTATGG
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>OTU528;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Lachnospiraceae(0.0560),g:Clostridium_XlVb(0.0134);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCCGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
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AGCGGAATTCCTAGTGTAGCGGTGAAATGCATAGATATTAGGAGGAACATCGGTGGCGAAGGCGGCTTTCTGGACT
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>OTU529;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9168),c:Gammaproteobacteria(0.6730),o:Orbales(0.2359),f:Orbaceae(0.1098),g:Frischella(0.0204);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCCATGCCGCGTGTGTGAAGAAGGC
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AAGCACCGGCAAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCGAGCGTTAATCGGAATGACTGGGCGTAA
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ACTGGAGTACTGTAGAGGGAGGTAGAATTCCACGTGTAGCGGTGAAATGCGTAGAGATGTGGAAGAATACCAGAG
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>OTU531;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8448),c:"Bacteroidia"(0.2321),o:"Bacteroidales"(0.1015),f:"Porphyromonadaceae"(0.0355),g:Parabacteroides(0.0076);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTCGCGTGAAGGATGAAGGT
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GATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGG
TGCGCAGGCGGCCTTGCAAGTCAGCGGTCAAATCGTGGAGCTCAACTCCATTCCGCCGTTGATACTGCCGGGCTTGA
TTGCGGTTGAGGTTGGCGGAATTCGTCGTGTAGCGGTGAAATGCATAGATATGACGAAGAACCCCGATTGCGTAGG
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>OTU532;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Ruminococcaceae(0.4914),g:Acetivibrio(0.0808);

ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAAGGATGAAGGT
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ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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>OTU533;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9769),o:Clostridiales(0.9606),f:Ruminococcaceae(0.9294),g:Gemmiger(0.2607);
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AGTTGGAAGTGAAAACTATGGGCTCAACCCATAGCCTGCTTTCAAAACTGCGTGTCTTGAGTAGTGCAGAGGTAGGC
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ACGGGAGGCAGCAGTGGGGAATTTTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGCGGGACGACGGC
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CAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGAATGATTGGGCGTAAAGCGCGCGCAGGCGGCCGCT
CAAGCGGGACCTCTAACCCCGGGGCTCAACCCCGGGCCGGGTCCCGAACTGGGCGGCTCGAGTGCGGTAGGGGAG
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>OTU538;tax=d:Bacteria(0.0076),p:"Proteobacteria"(0.0032),c:Epsilonproteobacteria(0.0011),o:Campylobacterales(0.0010),f:Helicobacteraceae(0.0003),g:Helicobacter(0.0003);

CTTGGTCATTTAGAGGAAGTAGAAGTCGTAACAAGGTTTCCGTAGGTGAACCTGCGGAAGGATCATTGTCGTGACCC
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GGGGGGAGGAGCCGCAAAAGAACCCACGGCGCCGAAGGCGTCAAGGAACACTAATATTGCCTTGCTCGGGACCGTG
GCTGGCTTGCCAGCCACTGCCCGTGCAGCGATGCTATACTAATGCACACGACTCTCGGCAACGGATATCTCGGCTCTC
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>OTU536;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Clostrid
iaceae_1(0.3884),g:Anaerosporobacter(0.1735);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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spiraceae(0.5991),g:Roseburia(0.3043);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
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,f:Spirochaetaceae(0.7428),g:Treponema(0.3915);

ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGGATGATGAAGGC
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coccaceae(0.8146),g:Ruminococcus(0.5720);

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29),f:"Prevotellaceae"(0.5991),g:Prevotella(0.1299);
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coccaceae(0.4224),g:Clostridium_IV(0.0615);
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coccaceae(0.4224),g:Butyricicoccus(0.2171);

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95),f:"Prevotellaceae"(0.2184),g:Alloprevotella(0.0326);
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coccaceae(0.8864),g:Anaerotruncus(0.4351);
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38),f:"Porphyromonadaceae"(0.9892),g:Parabacteroides(0.9875);
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95),f:Bacteroidaceae(0.3544),g:Bacteroides(0.1299);

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coccaceae(0.8146),g:Oscillibacter(0.4351);
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95),f:"Porphyromonadaceae"(0.3204),g:Barnesiella(0.0519);
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12),f:"Prevotellaceae"(0.4914),g:Prevotella(0.0904);

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37),f:"Prevotellaceae"(0.4914),g:Prevotella(0.0904);
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spiraceae(0.4563),g:Lachnospiracea_incertae_sedis(0.2171);
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>OTU566;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8472),o:Clostridiales(0.5766),f:Ruminococcaceae(0.3544),g:Intestinimonas(0.0519);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAAGGAAGAAGGCCCTCGGGTTGTAAACTTCAGTCAACAGGGAAGAAGAAAGTGACGGTACCTGTGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGTGTAGGCGGGACTTTAAGTCAGATGTGAAAATCACAGGCTTAACTTGTGACTTGCATTTGAAACTGAAGTTCTTGAGAGACGGAGAGGTAAATGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGATTTACTGGACGTCAACTGACGCTGAGACACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU568;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9992),c:Epsilonproteobacteria(0.9975),o:Campylobacterales(0.9934),f:Helicobacteraceae(0.9879),g:Helicobacter(0.9724);

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>OTU569;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Ruminococcaceae(0.0560),g:Clostridium_IV(0.0134);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCCTAGGTGAAGAGAAGAAGACGGTAGCCTGGGAGGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCTGTTAAGTCTGGAGTGAAAGTCCTGCTTTTAAGGTGGGAATTGCTTTGGATACTGATGGGCTTGAGTGCAGGAGAGGTTATCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGGTAACTGGACTGCAACTGACGCTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU567;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9991),c:Gammaproteobacteria(0.9851),o:Pasteurellales(0.9775),f:Pasteurellaceae(0.9852),g:Haemophilus(0.5239);
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>OTU572;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:"Bacteroidia"(0.3483),o:"Bacteroidales"(0.1483),f:"Marinilabiaceae"(0.0560),g:Anaerophaga(0.0134);
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>OTU571;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.4311),c:Alphaproteobacteria(0.1159),o:Rickettsiales(0.0413),f:Anaplasmataceae(0.0099),g:Ehrlichia(0.0046);
ACGGGAGGCAGCAGGTGGGAATATTGGACAATGGGCGAAAGCCTGATCCAGCAATACCGCGTGAACGATGAAGGCCTTCGGGTTGTAAAGTTCTTTTAATAGGGAAGATAATGACGGTACCTATAGAATAAGCACCGGCAAACTTCGTGCCAGCAGCCGCGGTAATACGAAGGGTGCTAGCGTTGTTCGGAATTATTGGGCGTAAAGGGTGTGTAGGTGGTTTCGTAAGTTAGTTGTGAAATCCCGGGGCTCAACCTCGGAATTGCGGTTAAAACTACGGAACTAGAGTATGATAAGCGATGGCAGAATTTCTAGTGTAGGGGTAAAATCCGCAGATATTAGAAGGAATACCGGTGGTGTAGACGGCTATCTTGGTCATTACTGACACTAAGACACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU574;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Lachnospiraceae(0.5273),g:Clostridium_XlVa(0.2607);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTCAAGCAAGTCAGAAGTGAAAGGCTGGGGCTCAACCCCGGGACTGCTTTTGAAACTGTTTGACTGGAGTGCTGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACAGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU573;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Clostridiaceae_1(0.1291),g:Clostridium_sensu_stricto(0.0230);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTCTTCGGATTGTAAACTTTTGTCGCCGGGAACGATGATGACGGTACCCGGCAAGAAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGCGCGTAGGCGGTTTGTTAAGTTAGATGTGAAATCCCCGGGCTTAACCTGGGTGTTGCATTTAAAACTGGCAGACTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACATCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACGCTGAGGCGCGAGAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU577;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Ruminococcaceae(0.3204),g:Clostridium_IV(0.0519);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGTGGGAAGAAGGTCTTCGGATTGTAAACCATTGTCCTCTGTGACGATAATGACGGTAGCAGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGGAGAGCAAGTCAGAAGTGAAATCCATCGGCTTAACCGATGAACTGCTTTTGAAACTGTTTTTCTTGAGTGAAGTAGAGGTAGGCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGGCTTTTACTGACGCTGAGGCTCGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU575;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Ruminococcaceae(0.1098),g:Ethanoligenens(0.0181);

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>OTU578;tax=d:Bacteria(0.0076),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Clostridiales(0.0000),f:Syntrophomonadaceae(0.0000),g:Syntrophomonas(0.0000);

GGCTTAATTTGACTCAACGCGGGGAAACTTACCAGGTCCAGACATAGTAAGGATTGACAGACTGAGAGCTCTTTCTTGATTCTATGGGTGGTGGTGCATGGCCGTTCTTAGTTGGTGGAGCGATTTGTCTGGTTAATTCCGTTAACGAACGAGACCTCAGCCTGCTAACTAGCTATGCGGAGGTCATCCTCCGCGGCCAGCTTCTTAGAGGGACTATGGCCGCTTAGGCCAAGGAAGTTTGAGGCAATAACAGGTCTGTGATGCCC

>OTU576;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5579),o:Clostridiales(0.2679),f:Peptococcaceae_2(0.1098),g:Desulfotomaculum(0.0204);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTTTTCGGATTGTAAACTTCTGTCCTAAGTGACGAAGGAAGTGACGGTAGCTTAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGTGTAGGCGGCTCTTTAAGTATGGAGTGAAACCCCAGCTTTCAAGGTTGGGCGTGCTTTGTAGACTGGAGAGCTTGAGTGCGGAAGAGGTAAGTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGAGATTGGGAGGAACACCAGTGGCGAAGGCGACTTACTGGGCCGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU580;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8448),c:"Bacteroidia"(0.4812),o:"Bacteroidales"(0.2359),f:"Porphyromonadaceae"(0.0904),g:Barnesiella(0.0157);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGGAAGGCTGAACCAGCCAAGCCGCGTGAGGGAGGAAGGCGCAGAGCGTCGCAGACCTCTTTTGCCGGGGGACAAAAGGCCGGACTCGTCCGGTCCTGAGGGTACCCGGAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGCAGGCGGGCCTTTAAGCCGGCGGTGAAATCGCGGGGCTCAACCCCGCCGAGCCGTCGGAACTGGGGGCCTTGAGTGCGGCGGAGGCATGCGGAATGCGCGGTGTAGCGGTGAAATGCATAGATATCGCGCAGAACCCCGATTGCGAAGGCAGCGTGCCGTGCCGCCACTGACGCTGAGGCACGAAAGCGCGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU579;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Negativicutes(0.9812),o:Selenomonadales(0.9798),f:Veillonellaceae(0.9868),g:Dialister(0.9724);

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7623),f:Coriobacteriaceae(0.5632),g:Enterorhabdus(0.0519);
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000),f:Thermococcaceae(0.0000),g:Thermococcus(0.0000);
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46),f:"Prevotellaceae"(0.5991),g:Prevotella(0.1299);
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erales(0.1015),f:Desulfobacteraceae(0.0355),g:Desulfonema(0.0076);
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55),f:"Prevotellaceae"(0.6709),g:Prevotella(0.0904);
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spiraceae(0.9868),g:Clostridium_XlVa(0.9743);
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46),f:"Prevotellaceae"(0.5991),g:Prevotella(0.1735);
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spiraceae(0.2524),g:Clostridium_XlVa(0.0519);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGGAACCCTGATGCAGCGACGCCGCGTGGGCGATGGAGTG
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55),f:"Prevotellaceae"(0.6350),g:Prevotella(0.1735);
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>OTU597;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9604),o:"Bacteroidales"(0.8629),f:"Prevotellaceae"(0.5632),g:Prevotella(0.1299);

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>OTU598;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Ruminococcaceae(0.1291),g:Saccharofermentans(0.0157);

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>OTU601;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9540),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4652),f:"Porphyromonadaceae"(0.1679),g:Barnesiella(0.0326);

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onales(0.9843),f:Desulfovibrionaceae(0.9387),g:Desulfovibrio(0.9705);
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>OTU608;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Clostridia(0.9820),o:Clostridiales(0.9821),f:Clostridiaceae_1(0.9573),g:Clostridium_sensu_stricto(0.9705);

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72),f:"Prevotellaceae"(0.7428),g:Prevotella(0.2171);

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,f:Veillonellaceae(0.8505),g:Selenomonas(0.2171);
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iaceae_1(0.0000),g:Caloramator(0.0000);

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spiraceae(0.3884),g:Roseburia(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGAAGAAGTA
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AGCCAGAGGTGAAAACCCGGGGCTCAACCCCGCGGATTGCCTTTGGAACTGTATGGCTTGAGTACTGGAGGGGCAG
GCGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATCAGGAGGAACACCGGTGGCGAAGGCGGCCTGCTGGACA
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>OTU647;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Rumino
coccaceae(0.0252),g:Saccharofermentans(0.0066);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGAGGAAACTCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
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CAGCAGCCGCGGTAATACATAGGTGGCAAGCGTTGTCCGGAATAACTGGGCGTAAAGAGAGCGTAGGCGGTTGATC
AAGTTGATTGTGAAAGCCCGTGGCTTAACCACGGAATTGCAGTCAAAACTGGTTAACTAGAGTTCGGAAGAGGAAG
GCGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGAGGCGAAGGCGGCCTTCTGGGACG
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occaceae(0.9887),g:Streptococcus(0.9837);
ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGGGGAACCCTGACCGAGCAACGCCGCGTGAGTGAAGAAGGT
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AGAAAGGGACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTCCCGAGCGTTGTCCGGATTTATTGGGCG
TAAAGCGAGCGCAGGTGGTTTAATAAGTCTGAAGTTAAAGGCAGTGGCTCAACCATTGTACGCTTTGGAAACTGTTA

AACTTGAGTGCAGAAGGGGAGAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAGGAACACCGGTG
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coccales(0.0020),f:Methanomassiliicoccaceae(0.0006),g:Methanomassiliicoccus(0.0006);
GGCTTAATTTGACTCAACGCGGGGAAACTCACCAGGTCCAGACACAATAAGGATTGACAGATTGAGAGCTCTTTCTT
GATTTTGTGGGTGGTGGTGCATGGCCGTTCTTAGTTGGTGGAGTGATTTGTCTGCTTAATTGCGATAACGAACGAGA
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>OTU652;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Rumino
coccaceae(0.7428),g:Ruminococcus(0.3915);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGAAACCCTGACGCAGCAACGCCGCGTGAAGGAAGACGGT
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>OTU651;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Clostrid
iaceae_2(0.0252),g:Alkaliphilus(0.0076);
ACGGAAGGCAGCAGTCGGGAATATTGCGCAATGGAGGAAACTCTGACGCAGTGACGCCGCGTGCAGGAAGAAGGT
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GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTTCTGGACAGTAA
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illaceae(0.0000),g:Lactobacillus(0.0000);
CTTGGTCATTTAGAGGAAGTAAAAGTCGTAACAAGGTTTCCGTAGGTGAACCTGCGGAAGGATCATTACCGAGAGTT
GCAGGCTTTTGTCTGCCATCTCTTACCCATGTCTTTTGCGTACTACACGTTTCCTCGGCAGGTCCGCCTGCCGTTAGGA
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>OTU656;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8331),o:Clostridiales(0.6138),g:Natran
aerovirga(0.0326);

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>OTU654;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Bacilli(0.9834),o:Lactobacillales(0.9843),f:Streptoc
occaceae(0.9573),g:Streptococcus(0.8605);

ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGGGGAACCCTGACCGAGCAACGCCGCGTGAGTGAAGAAGGT
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AACTTGAGTGCAGAAGGGGAGAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAGGAACACCGGTG
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>OTU655;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Rumino
coccaceae(0.3544),g:Clostridium_IV(0.0615);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGGT
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GCAGCCGCGGTAATACGTAGGGTGCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGCTTAGCAA
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>OTU658;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Rumino
coccaceae(0.1098),g:Intestinimonas(0.0157);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGG
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GCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGTGTAGGCGGGCAG
ACAAGTCAGATGTGAAAAATACGGGCTCAACCCGTATCCTGCATTTGAAACTGTATGTCTTGAGTGTGGGAGAGGTA
AACGGAATTCCCGGTGTAGCGGTGAAATGCGCAGATATCGGGAGGAACACCGGTGGCGAAGGCGGTTTACTGGACC
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>OTU659;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Clostridia(0.9840),o:Clostridiales(0.9889),f:Rumino
coccaceae(0.9873),g:Clostridium_IV(0.9781);

ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGGGAAGAAGGT
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CAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCTATGCAAG
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AATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGGCTTTAAC
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acteraceae(0.0710),g:Gracilibacter(0.0157);
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95),f:"Porphyromonadaceae"(0.2524),g:Barnesiella(0.0230);
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spiraceae(0.5632),g:Roseburia(0.3479);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGAAGAAGTA
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19),f:"Porphyromonadaceae"(0.0710),g:Parabacteroides(0.0157);

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spiraceae(0.7428),g:Clostridium_XlVa(0.5239);
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spiraceae(0.5632),g:Lachnospiracea_incertae_sedis(0.2607);
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coccaceae(0.1679),g:Intestinimonas(0.0230);
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>OTU665;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Rumino
coccaceae(0.0560),g:Saccharofermentans(0.0134);

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12),f:"Prevotellaceae"(0.5273),g:Prevotella(0.1299);
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.1249),f:Intrasporangiaceae(0.0457),g:Tetrasphaera(0.0110);
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coccaceae(0.2864),g:Oscillibacter(0.0423);
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.9753),f:Actinomycetaceae(0.7428),g:Arcanobacterium(0.6200);

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81),f:"Prevotellaceae"(0.3544),g:Alloprevotella(0.0519);
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coccaceae(0.1485),g:Intestinimonas(0.0181);

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,f:Spirochaetaceae(0.1872),g:Spirochaeta(0.0134);
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.9280),f:Cryomorphaceae(0.9015),g:Fluviicola(0.3915);
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ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGGGAAGACGGTTTTCGGATTGTAAACCTCTGTCTTAAGGGAAGAAAATGACGGTACCTTAAGAGGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGAGCGCAAGTTAAATGTTTAAACTATCGGCTCAACTGATAGTCGCGTTTAAAACTGCGTTTCTTGAGTGAAGTAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU705;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachnospiraceae(0.5632),g:Coprococcus(0.1735);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAACGACGGTACCTGACTAAGAAGCACCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGGTGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGCGTAGGTGGCATGGCAAGTCAGAAGTGAAAACACGGGGCTCAACCCCGTGACTGCTTTTGAAACTGTCAGGCTGGAGTCCAGGAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACTGGTACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU707;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9992),c:Betaproteobacteria(0.9827),o:Methylophilales(0.9497),f:Methylophilaceae(0.9294),g:Methylophilus(0.4787);
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>OTU706;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9507),c:Deltaproteobacteria(0.7497),o:Desulfovibrionales(0.4652),f:Desulfovibrionaceae(0.2864),g:Desulfovibrio(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGTCTTCGGATCGTAAACCTCTGTCAGCAGGGAAGAACTTTTACTGTGCTAATCAGCAGTGAATTGACGGTACCTGCAAAGGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCGAGCGTTAATCGGAATTACTGGGCGTAAAGCGCTCGTAGGTAGTATATCAAGTCAAGGGTGAAATCCCCGCGCTCAACGTGGGAACTGCCTTTGAAACTGATACACTTGAGTGTGTGAGAGGATAGTGGAATTCCAGGTGTAGGAGTGAAATCCGTAGATATCTGGAGGAACATCAGTGGCGAAGGCGACTATCTGGCACATAACTGACACTGAGGAGCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU704;tax=d:Bacteria(1.0000),p:Firmicutes(0.3448),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Ruminococcaceae(0.0113),g:Clostridium_III(0.0046);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGAGGCAACTCTGACCCAGCAACGCCGCGTGAATGAAGAAGGTCTTAGGATTGTAAAGTTCTTTTATAGCAGGCGAAAAAAATGACGGTATGCTATGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATGACTGGGTGTAAAGGGTGTGTAGGTGGTCACTTAAGTGTAACGTGAAATCCCTGGGCTTAACCCAGGAACTGCATTACATACTGGGTGACTAGAGTACTGAAAGGGCAAGTGGAACTCCAAGTGTAGCGGTAGAATGCGTAGATATTTGGAAGAACAACGGAGGCGAAGGCGGCTTGCTGGGCAGCAACTGACACTGAAACACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU708;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Clostridia(0.9827),o:Clostridiales(0.9821),f:Eubacteriaceae(0.7068),g:Eubacterium(0.5720);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGGGAAACCCTGACGCAGCAACGCCGCGTGATTGAAGAAGGCCTTCGGGTTGTAAAGATCTTTAATCAGGGACGAAACAAATGACGGTACCTGAAGAATAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGCAGGCGGGCCGGCAAGTTGGAAGTGAAATCTATGGGCTTAACCCATAAACTGCTTTCAAAACTGCTGGTCTTGAGTGATGGAGAGGCAGGCGGAATTCCGTGTGTAGCGGTGAAATGCGTAGATATACGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACATTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
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ACGGAAGGCAGCAGTGGGGAATCTTCCGCAATGGGCGAAAGCCTGACGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTCGGGGACGAGAGAGCGCCTCAGGAAATGGGGGCGCCAGGACGGTACCCGGCGAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGAATTATTGGGCGTAAAGGGAGCGCAGGTGGGAAAGCAAGTCAGTCTTAAAAGTGCGGGGCTCAACCCCGTGATGGGATTGAAACTGCTTTTCTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU710;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Ruminococcaceae(0.4563),g:Clostridium_III(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGGGAAACCCTGACGCAGCAACGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGTAAACTTCTGTCTTTAGGGAAGAAGAAAGTGACGGTACCTAAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGCTGTCAAGTCAGTCGTGAAATGCCGGGGCTTAACCCCGGAGCTGCGATTGAAACTGATAGTCTTGAGTGTCGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTTCTGGACGATAACTGACGCTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU711;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.6730),o:Clostridiales(0.3639),f:Ruminococcaceae(0.1679),g:Clostridium_III(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGATGAAGGTTTTCGGATTGTAAACTTCTGTCCTCAGGGACGAAAGGAATGACGGTACCTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGAGCGTAGGCGGCCAATTAAGTCAGATGTGAAATTCCCGGGCTTAACCTGGGCAGTGCATCTGAAACTGGATGGCTTGAGTGCGGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTTCTGGACCGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU713;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.6138),f:"Porphyromonadaceae"(0.3204),g:Barnesiella(0.0423);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGCAGGGCTGAACCAGCCAAGTCGCGTGAGGGATGACGGTCCTATGGATTGTAAACCTCTTTTGTCAGGGAGCAAAGGGCGTCACGTGTGGCGCTTTGCGAGTACCTGAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGAATGTCAAGTCAGCGGTAAAATTTCGGGGCTCAACCCCGTCGTGCCGTTGAAACTGGCGTTCTTGAGTGAGCGAGAAGTATGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACTCCGATTGCGAAGGCAGCATACCGGCGCTCAACTGACGCTCATGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU712;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Bacilli(0.4428),o:Bacillales(0.2039),f:Paenibacillaceae_1(0.0904),g:Paenibacillus(0.0181);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGGAGGAAGAAGGTTTTCGGATCGTAAACTCCTGTCCTTGGTGAAGAGGAGAAGACGGTAGCCAAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCTCTGTAAGTCTGGAGTGAAAGTCCTGCCTTCAAGGTGGGAATTGCTTTGGATACTGTAGGGCTTGAGTGCAGGAGAGGTCATTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGAGATTGGGAGGAACACCAGTGGCGAAGGCGAGTGACTGGACTGTAACTGACGCTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU714;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9887),o:Lactobacillales(0.9941),f:Streptococcaceae(0.9879),g:Streptococcus(0.9875);

ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGTCTGACCGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTAAGTCAAGAACGTGTGTGAGAGTGGAAAGTTCACACAGTGACGGTAGCTTACCAGAAAGGGACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTCCCGAGCGTTGTCCGGATTTATTGGGCGTAAAGGGAGCGCAGGCGGTCAGGAAAGTCTGGAGTAAAAGGCTATGGCTCAACCATAGTGTGCTCTGGAAACTGTCTGACTTGAGTGCAGAAGGGGAGAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAGGAACACCAGTGGCGAAAGCGGCTCTCTGGTCTGTCACTGACGCTGAGGCTCGAAAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU716;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.7907),c:Alphaproteobacteria(0.3483),o:Kiloniellales(0.1249),f:Kiloniellaceae(0.0457),g:Kiloniella(0.0110);

ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGAGGAAACTCTGATCCAGCGATGCCGCGTGAGTGAAGAAGGCCCTAGGGTTGTAAAGCTCTTTTGTCAGGGAAGATGATGACGGTACCTGAAGAATAAGCACCGGCTAACTCTGTGCCAGCAGCCGCGGTAATACAGAGGGTGCAAGCGTTGTTCGGAATTACTGGGCGTAAAGGGCGCGTAGGCGGTTTTGTAAGTTGGATGTAAAAGACCTGGGCTTAACCTGGGGAATGCGTACGATACTGCAAGACTAGAGTGCAGGAGAGGATAGTGGAATTTCCGGTGTAGAGGTGGAATTCGTAGATATCGGAAGGAACACCAGTGGCGAAGGCGGCTATCTGGTCTACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU717;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Rumino
coccaceae(0.7068),g:Clostridium_IV(0.4351);
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coccales(0.0000),f:Methanomassiliicoccaceae(0.0000),g:Methanomassiliicoccus(0.0000);
GGCTTAATTTGACTCAACGCGGGAAAACTTATCAGGTCCAGACATAGTGAGGATTGACAGATTGAGAGCTCTTTCTTG
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ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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coccaceae(0.4224),g:Clostridium_IV(0.0615);
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coccaceae(0.2184),g:Papillibacter(0.0326);

ACGGGAGGCAGCAGTGGGGAATATTAGGCAATGGGGGCAACCCTGACCTAGCAACGCCGCGTGAAGGAAGAAGGC
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>OTU722;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Clostridia(0.9840),o:Clostridiales(0.9866),f:Ruminococcaceae(0.9015),g:Butyricicoccus(0.8605);
ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGATTGATGAAGGT
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>OTU721;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Clostridiaceae_2(0.0252),g:Alkaliphilus(0.0076);
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>OTU723;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Ruminococcaceae(0.4224),g:Clostridium_III(0.1299);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGAAACCCTGACGCAGCAACGCCGCGTGAAGGAAGAAGG
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>OTU724;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Clostridiaceae_1(0.3204),g:Anaerosporobacter(0.0904);

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GTGTCAGCAGCCGCGGTAATACGGAAGGTGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGAGTTTGTAGGCGGTTT
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>OTU728;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.7727),c:Alphaproteobacteria(0.4428),o:Rhodospirillales(0.1015),f:Rhodospirillaceae(0.0355),g:Insolitispirillum(0.0087);

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coccaceae(0.9871),g:Gemmiger(0.4351);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGAGGAAGAAGG
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coccaceae(0.5991),g:Ruminococcus(0.3043);
ACGGAAGGCAGCAGTGGGGGATATTGCGCAATGGGGGAAACCCTGACGCAGCAATGCCGCGTGAAGGAAGAAGGT
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GCAGCCGCGGTAATACATAGGGAGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCTAAGCAA
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GAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTAA
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>OTU732;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Rumino
coccaceae(0.2864),g:Clostridium_IV(0.0712);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGGGAAGAAGGT
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CCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGATTTATTGGGTGTAAAGGGTGCGTAGGCGGCTAAG
TAAGTTAGGCGTGTAATTCAGGGGCTTAACCTCTGGACTGCGCTTGAAACTGCATGGCTTGAGTGGAGTAGAGGCAG
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>OTU730;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Gracilib
acteraceae(0.0149),g:Gracilibacter(0.0066);

ACGGGAGGCAGCAGTCGGGAATATTGGGCAATGGAGGAAACTCTGACCCAGCAACGCCGCGTGAAGGATGAAGGT
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AAAGTTGAATGTGAAAGCCCGGGGCTTAACTCCGGAACTGCATTCAAAACTGATAGACTAGAGTGTGGGAGAGGTA
AGTGGAATTCCTAGTGTAGCAGTGAAATGCGTAGATATTAGGAGGAACATCAGTGGCGAAGGCGACTTACTGGAAC
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>OTU735;tax=d:Bacteria(0.0058),p:Firmicutes(0.0000),c:Bacilli(0.0000),o:Bacillales(0.0000),f:Paenibacillaceae_1(0.0000),g:Paenibacillus(0.0000);

CTTGGTCATTTAGAGGAAGTAAAAGTCGTAACAAGGTCTCCGTTGGTGAACCAGCGGAGGGATCATTACCGAGTTTA
CAACTCCCAAACCCATTGTGAACTTATACCCAAAACGTTGCCTCGGCGGACACAGCGGTACCCGAGCCCCCGCAAGG
GAGCAAAGGCGCCCCGTCCGCCAGGGGACCAAAACTCTTCTGTATACCCATAGCGGCATGTCTGAGTGGATTTAAAA
ACAAATGAATCAAAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGC

>OTU733;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Ruminococcaceae(0.3204),g:Clostridium_IV(0.0423);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGAGGAAACTCTGATGCAGCAACGCCGCGTGAGGGAAGACGGT
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CCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGGTCAG
CAAGTCAGGCGTGAAATCCCACGGCTCAACTGTGGGGCTGCGCTTGAAACTGTGGATCTTGAGTGAAGTAGAGGCA
AGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCT
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>OTU734;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:Flavobacteriia(0.9851),o:"Flavobacteriales"(0.9934),f:Flavobacteriaceae(0.9879),g:Flavobacterium(0.8605);

GTGCCAGCAGCCGCGGTAATACGGAGGGTCCAAGCGTTATCCGGAATCATTGGGTTTAAAGGGTCCGTAGGCGGCC
AAATAAGTCAGTGGTGAAAGCCCATCGCTCAACGATGGAACGGCCATTGATACTGTTTGGCTTGAATTATTAGGAAG
TAACTAGAATATGTAGTGTAGCGGTGAAATGCTTAGAGATTACATGGAATACCAATTGCGAAGGCAGGTTACTACTA
ATATATTGACGCTGATGGACGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTAGTCCACGCCGTAAACGAT
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>OTU736;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Lachnospiraceae(0.2184),g:Clostridium_XlVa(0.0423);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGGAACCCTGATGCAGCGACGCCGCGTGGGTGAAGGAGT
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CCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGATTCACTGGGTGTAAAGGGAGCGTAGACGGCCATG

CAAGCCAGGGGTGAAAGCCCGGGGCCCAACCCCGGGACTGCCCTTGGAACTGCATGGCTGGAGTGCGGGAGGGGC
AGGCGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATCAGGAGGAACACCGGCGGCGAAGGCGGCCTGCTGGA
CCGCGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU737;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Rumino
coccaceae(0.4563),g:Clostridium_IV(0.1735);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGGGAAGAAGGT
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GGAATTCCCGGTGTAGCGGTGAAATGCATAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGGCTT
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>OTU738;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9784),o:Clostridiales(0.9707),f:Eubact
eriaceae(0.9015),g:Eubacterium(0.8605);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCAACGCCGCGTGAAGGAAGACGGT
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>OTU739;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9992),c:Gammaproteobacteria(0.9856),o:Pasteurell
ales(0.9843),f:Pasteurellaceae(0.9873),g:Actinobacillus(0.7162);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCCATGCCGCGTGAATGAAGAAGGC
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.0010),f:Thermofilaceae(0.0000),g:Thermofilum(0.0000);
CTTGGTCATTTAGAGGAAGTAAAAGTCGTAACAAGGTCTCCGTAGGTGAACCTGCGGAGGGATCATTACCGAGCGA
GGGCCTCCGGGTCCGACCTCCAACCCTTTGTGAACACATCCCGTTGCTTCGGGGGCGACCCTGCCGGGCGCCCCCGG

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TGGTTCTGGCATCGATGAAGAACGCAGC
>OTU741;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9671),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.50
23),f:"Porphyromonadaceae"(0.3204),g:Barnesiella(0.0808);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGAGAGATCCTGAACCAGCCAAGCCGCGTGAGGGAAGACGGC
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CATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGG
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GTTGGCGAGAAGTACGCGGAATGCGCGGTGTAGCGGTGAAATGCATAGATATCGCGCAGAACTCCGATTGCGAAGG
CAGCGTACCGGCGCCAGACTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU740;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9604),o:"Bacteroidales"(0.86
29),f:"Prevotellaceae"(0.5991),g:Prevotella(0.0712);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCCGCCGTTCAAGCGTGCCGTGAAATGCGGTTGCTCAACATCCGCACTGCGGCGCGAACTGTCCGGCTTG
AGTCAACTGTAAGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAGGAACCCCGATTGCGAAG
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>OTU744;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9856),o:"Bacteroidales"(0.99
42),f:Bacteroidaceae(0.9573),g:Bacteroides(0.9743);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGC
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TCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGTAGATGGATGTTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGATATCTTGAGT
GCAGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCA
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coccaceae(0.1679),g:Saccharofermentans(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
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GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACGGCA
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iaceae_1(0.0000),g:Caloramator(0.0000);
GGCTTAATTTGACTCAACGCGGGGAAACTTACCAGGTCCAGACATAGTAAGGATTGACAGATTGAGAGCTCTTTCTTG
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coccaceae(0.1485),g:Ethanoligenens(0.0326);
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>OTU746;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9769),c:Actinobacteria(0.9462),o:Coriobacteriales(0.
8303),f:Coriobacteriaceae(0.6350),g:Asaccharobacter(0.0712);
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GAATTCCATGTGTAGCGGTGGAATGCGCAGATATATGGAAGAACACCGATGGCGAAGGCAGCTTGCTGGGCCGGCA
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.9941),f:Actinomycetaceae(0.9876),g:Actinomyces(0.9875);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGGAAGCCTGATGCAGCGACGCCGCGTGAGGGATGGAGGC
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GTA

>OTU749;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Eubacteriaceae(0.0252),g:Alkalibaculum(0.0076);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGAGGGAACTCTGACCCAGCAATGCCGCGTGAGTGAAGAAGGTTTTCGGATTGTAAAACTCTTTAAGCGGGGACGAAGAAAGTGACGGTACCCGCAGAATAAGCATCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGATGCAAGCGTTATCCGGAATGACTGGGCGTAAAGGGTGCGTAGGCGGTAAATCAAGTTGGCAGCGTAATTCCGAGGCTTAACCTTGGGACTACTGCCAAAACTGGTGAACTAGAGTGTGTCAGGGGTAAGTGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCGGAGGCGAAAGCGACTTACTGGGGCATAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU751;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.8267),c:Alphaproteobacteria(0.5195),o:Rhodospirillales(0.1719),f:Rhodospirillaceae(0.0710),g:Insolitispirillum(0.0110);

ACGGGAGGCAGCAGTGAGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCCATGCCGCGTGAGTGAAGAAGGTTTTCGGATTGTAAAGCTCTTTCGGATGTGACGATGATGACGGTAGCATCAGAAGAAGCCCCGGCAAACTTCGTGCCAGCAGCCGCGGTAATACGAAGGGGGCGAGCGTTGTTCGGAATTACTGGGCGTAAAGGGTGTGTAGGCGGTTATATAAGATAGCGGTGAAATGCCGGGGCTCAACCTCGGAATTGCCTTTATGACTATATGACTAGAATGGTGGAGAGGATATCGGAATACCCAGTGTAGAGGTGAAATTCGTAGATATTGGGTAGAACACCGGTGGCGAAGGCGGGTATCTGGCCATTTATTGACGCTGAGGCACGAAAGCATGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU750;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Ruminococcaceae(0.6709),g:Ruminococcus(0.1735);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGATGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCTTCAGGGACGAAAATGACGGTACCTGAGGAGGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGGCTTTAAGTCAGGTGTGAAATGTATGGGCTCAACCCGTAAACTGCACTTGAAACTGAGGCTCTTGAGTGAAGTAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACATCAGTGGCGAAGGCGGCCTGCTGGGCTTTTACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU753;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9540),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5023),f:"Prevotellaceae"(0.1098),g:Paraprevotella(0.0204);

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>OTU752;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9877),o:Lactobacillales(0.9941),f:Streptoc
occaceae(0.9873),g:Streptococcus(0.9837);
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acteraceae(0.0457),g:Gracilibacter(0.0110);
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coccales(0.0000),f:Methanomassiliicoccaceae(0.0000),g:Methanomassiliicoccus(0.0000);
GGCTTAATTTGACTCAACGCGGGAAAACTTACCAGGTCCAGACATAGTGAGGATTGACAGATTGAGAGTTCTTTCTTG
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coccaceae(0.5991),g:Faecalibacterium(0.0712);
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GGAATTCCCGGTGTAGCGGTGGAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCACT
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coccaceae(0.0086),g:Clostridium_III(0.0043);

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iaceae_2(0.0904),g:Alkaliphilus(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGC
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iaceae_1(0.1679),g:Clostridium_sensu_stricto(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGG
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CCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGCGAA
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>OTU788;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Rumino
coccaceae(0.1098),g:Ruminococcus(0.0181);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGTGTGAGGGAAGAAGGT
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>OTU789;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Rumino
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ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAAGGATGAAGGT
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>OTU790;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Rumino
coccaceae(0.0457),g:Intestinimonas(0.0087);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGGT
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>OTU791;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9638),c:Betaproteobacteria(0.8048),o:Burkholderiales(0.3959),f:Sutterellaceae(0.2184),g:Sutterella(0.0519);

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>OTU792;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Bacilli(0.9961),o:Lactobacillales(0.9889),f:Lactobacillaceae(0.9871),g:Lactobacillus(0.9781);

CCTTTCTTCCTCCTTCTTTCCTCTTCCCCCCTTTCCTCCAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCG
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>OTU793;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Lachnospiraceae(0.1098),g:Clostridium_XlVa(0.0204);

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>OTU796;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Lachnospiraceae(0.5273),g:Blautia(0.3043);

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coccaceae(0.1679),g:Intestinimonas(0.0157);
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iales_Incertae_Sedis_XI(0.0000),g:Helcococcus(0.0000);
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,f:Veillonellaceae(0.9887),g:Dialister(0.9837);
ACGGGAGGCAGCAGTGGGGAATCTTCCGCAATGGGCGAAAGCCTGACGGAGCAACGCCGCGTGAGTGATGACGGC
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les(0.0000),f:Chromatiaceae(0.0000),g:Thiocystis(0.0000);
AACAAATGCTTAGGGATTTTATTGGTATCAGGGTTAATCGTGCCAAGAAAAGCGGCATGGTCAATATAACCAGTAGT
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coccaceae(0.1679),g:Intestinimonas(0.0181);
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coccaceae(0.4224),g:Clostridium_IV(0.0615);
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onales(0.7995),f:Desulfovibrionaceae(0.3884),g:Bilophila(0.0615);
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nadales(0.9911),f:Pseudomonadaceae(0.9881),g:Pseudomonas(0.9743);
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cteriales"(0.0000),f:Enterobacteriaceae(0.0000),g:Buttiauxella(0.0000);
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coccaceae(0.1872),g:Clostridium_III(0.0326);
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23),f:"Porphyromonadaceae"(0.2864),g:Barnesiella(0.0326);
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52),f:"Porphyromonadaceae"(0.4224),g:Barnesiella(0.0808);
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iaceae_1(0.3544),g:Anaerosporobacter(0.1299);
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66),f:"Porphyromonadaceae"(0.3204),g:Barnesiella(0.0423);
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9497),f:Coriobacteriaceae(0.9294),g:Olsenella(0.5239);
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ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCATGCCGCGTGCAGGATGACGGCTCTATGAGTTGTAAACTGCTTTTGTACGAGGGTAATATCGGATACGTGTATCCGCTTGAAAGTATCGTACGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTTTTATAAGTTAGAGGTGAAAATTCGGGGCTCAACTCCGGACGTGCCTCTAATACTGTATGACTAGAGAATAGATGCGGTAGGCGGAATGTATGGTGTAGCGGTGAAATGCGTAGAGATCATACAGAACACCGATTGCGAAGGCAGCTTACCAAACTATATCTGACGTTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

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ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGGGGAAACCCTGACGGAGCGACGCCGCGTGGATGATGAAGGCCGGAAGGTTGTAAAATCCTTTTGTGAGTGAGGAATAAGCAGGGCAAGCAAAGGCCGTGCGGTGACTGTAGCTCATGAATAAGCACCGGCTAATTACGTGCCAGCAGCCGCGGTAACACGTAAGGTGCGAGCGTTGTTCGGAATCATTGGGCGTAAAGGGCATGTAGGCGGAACTGCAAGCCCGGTGTGAAAACCCTGAGCTCAACTCAGGAACTGCGCCGGGAACTGCAGAACTGGAGTCACTGAGGGGAAACCGGAATTCCAGGTGTAGGGGTGAAATCTGTAGATATCTGGAAGAACACCAATGGCGAAGGCAGGTTTCCAGCAGATGACTGACGCTGAGGTGCGAAGGTGCGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU816;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Ruminococcaceae(0.4224),g:Acetivibrio(0.0808);

ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGGAACCCTGACGCAGCAACGCCGCGTGAAGGAAGAAGGTTTTCGGATCGTAAACTTCTTTAAGTGGGGAAGATAATGACGGTACCCACAGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGGAGGCAAGTCAGATGTGAAATACCGAGGCTCAACTTCGGGGCTGCATTTGAAACTGTCACTCTTGAGTGCCGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTTCTGGACGGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU815;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Ruminococcaceae(0.3204),g:Acetanaerobacterium(0.0326);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAGGGAAGACGGTCTTCGGATTGTAAACCTCTGTCTTAGGGGAAGAGTAAAAGACGGTACCCTAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGTGTAGGCGGGTGCTTAAGTCGATTGTAAAAGTGCACGGCTCAACTGTGTGATGCGATCGAAACTGAGTATCTTGAGTGAAGGAGAGGCAGTTGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGACTGCTGGACTTTAACTGACGCTGAGGCTCGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU820;tax=d:Bacteria(0.0041),p:"Proteobacteria"(0.0000),c:Gammaproteobacteria(0.0000),g:Candidatus_Carsonella(0.0000);

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>OTU818;tax=d:Bacteria(1.0000),p:Firmicutes(0.3448),c:Erysipelotrichia(0.1740),o:Erysipelotrichales(0.0781),f:Erysipelotrichaceae(0.0252),g:Holdemania(0.0076);

ACGGGAGGCAGCAGTAGGGAGTTTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGAGTGATGAAGGT
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spiraceae(0.4563),g:Syntrophococcus(0.1735);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAACGAAGAAGTA
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GGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATCAGGAGGAACACCGGTGGCGAAGGCGGCTTACTGGACGGA
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coccaceae(0.2524),g:Intestinimonas(0.0230);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAAGGATGAAGGT
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CAAGTCAGATGTGAAAATCATGGGCTCAACTCATGACTTGCATTTGAAACTGATCTTCTTGAGTGTGGGAGAGGTAA
ATGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGTTTACTGGACCA
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iaceae_1(0.8864),g:Clostridium_sensu_stricto(0.8124);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGT
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>OTU822;tax=d:Bacteria(0.8319),p:Firmicutes(0.1508),c:Clostridia(0.0525),o:Clostridiales(0.0352),f:Rumino
coccaceae(0.0059),g:Fastidiosipila(0.0035);

ACGGGAGGCAGCAGTCGGGAATATTGGGCAATGGAGGGAACTCTGACCCAGCAATACCGCGTGAAGGAAGAAGGT
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>OTU825;tax=d:Bacteria(0.0041),p:Firmicutes(0.0000),c:Bacilli(0.0000),o:Bacillales(0.0000),f:Alicyclobacillaceae(0.0000),g:Alicyclobacillus(0.0000);

CTGATAAGTTGCTTGATTTGGTTGGACTTGGTGGCAAGTCTGCCGCTGATAAAGGAAAGGATACTCGTGATTATCTTG
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TTGAGAATCAAAAAGAGCTTACTAAAATGCAACTGGACAATCAGAAAGAGATTGCCGAGATGCAAAATGAGACTCAA
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>OTU827;tax=d:Bacteria(0.0041),p:"Tenericutes"(0.0000),c:Mollicutes(0.0000),o:Entomoplasmatales(0.0000),f:Spiroplasmataceae(0.0000),g:Spiroplasma(0.0000);

GTGAATCATCGAATCTTTGAACGCAAATTGCGCCCTTTGGTATTCCGAAGGGCATGCCTGTTTGAGTGTCTTATAAACC
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>OTU828;tax=d:Archaea(0.0041),p:"Euryarchaeota"(0.0000),c:"Methanomicrobia"(0.0000),o:Methanosarcinales(0.0000),f:Methanosarcinaceae(0.0000),g:Methanolobus(0.0000);

TTTAAGCGGCTCACCTTTAGCATCAACAGGCCACAACCAACCAGAACGTGAAAAAGCGTCCTGCGTGTAGCGAACTG
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>OTU824;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9755),o:Clostridiales(0.9389),f:Lachnospiraceae(0.8864),g:Shuttleworthia(0.6200);

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reptococcaceae(0.3884),g:Clostridium_XI(0.1735);
CCTTTCTTCCTCCTTTTTTCCTCTTTCCCCCTTTTCTCCCGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCG
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coccales(0.0000),f:Methanomassiliicoccaceae(0.0000),g:Methanomassiliicoccus(0.0000);
GGCTTAATTTGACTCAACGCGGGGAAACTCACCAGGTCCAGACACAATAAGGATTGACAGATTGATAGCTCTTTCTTG
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s_Carsonella(0.0000);
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,f:Mycoplasmataceae(0.0000),g:Mycoplasma(0.0000);
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coccaceae(0.4563),g:Clostridium_IV(0.0712);
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iaceae_1(0.0252),g:Clostridium_sensu_stricto(0.0076);
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iaceae_1(0.0000),g:Caloramator(0.0000);
GGCTTAATTTGACTCAACACGGGGAAACTTACCAGGTCCAGACATAATGAGGATTGACAGATTGATAGCTTTTTCTTG
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iaceae_4(0.1098),g:Thermotalea(0.0204);
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ACGGAAGGCAGCAGCTAAGAATATTCCGCAATGGAGGAAACTCTGACGGAGCGACGCCGCGTGGATGATGAAGGTCGGAAGATTGTAAAATCCTTTTATGACTGAGGAATAAGCTGGGTGAGAGAAACGCCTGGTGGTGACTGTAGGTCATGAATAAGCAACGGCTAATTACGTGCCAGCAGCCGCGGTAACACGTAAGTTGCGAGCGTTGTTCGGAATTATTGGGCGTAAAGGGCATGTAGGCGGTATTGCAAGCCTGGTGTGAAAGGCAGGGGCTCAACCTCTGGACTGCGCTGGGAACTGCGATACTAGAGTCGCTGAGGGGCAATCAGAATTCCAGGTGTAGGGGTGAAATCTGTAGATATCTGGAAGAATACCAATGGCGAAGGCAGGTTGCCAGTAGATGACTGACGCTGAGGTGCGAAGGTGCGGGGAGCAAACAGGATTAGATACCCTGGTA
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GAATTCCGTGTGTAGCGGTGAAATGCGTAGATATACGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACATTAA
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iaceae_1(0.9387),g:Clostridium_sensu_stricto(0.6681);
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ACGGAAGGCAGCAGTAGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCGACGCCGAGTGAGGGAAGAAGG
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52),f:"Porphyromonadaceae"(0.2184),g:Barnesiella(0.0230);
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les(0.0000),f:Thiotrichaceae(0.0000),g:Thiothrix(0.0000);

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eriaceae(0.0355),g:Alkalibacter(0.0087);

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iaceae_4(0.0560),g:Thermotalea(0.0134);

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5766),f:Coriobacteriaceae(0.3884),g:Parvibacter(0.0326);

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0.9666),g:Cryptomonadaceae(0.9743);
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0.0000),f:Pyrodictiaceae(0.0000),g:Pyrodictium(0.0000);
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0.9387),g:Cryptomonadaceae(0.9686);
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>OTU917;tax=d:Bacteria(1.0000),p:Firmicutes(0.9995),c:Clostridia(0.9993),o:Clostridiales(0.9989),f:Clostridiales_Incertae_Sedis_XI(0.9876),g:Peptoniphilus(0.9875);

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36),f:Bacteroidaceae(0.9884),g:Bacteroides(0.9912);
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,f:Veillonellaceae(0.0086),g:"Psychrosinus"(0.0043);
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89),f:Prolixibacteraceae(0.9879),g:Prolixibacter(0.9894);
GTGTCAGCCGCCGCGGTAATACGGAGGATGCAAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCGGCT
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80),f:Bacteroidaceae(0.2524),g:Bacteroides(0.0712);
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les"(0.0547),f:Sphingobacteriaceae(0.0149),g:Solitalea(0.0066);
GTGCCAGCAGCCGCGGTAAGACGAAGGATGCAAGCGTTATCCGGATTCATTGGGTTTAAAGGGAGCGTAGGCGGTC
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coccaceae(0.5273),g:Ruminococcus(0.2171);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGT
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cterales(0.0000),f:Helicobacteraceae(0.0000),g:Helicobacter(0.0000);
CTTGGTCATTTAGAGGAAGTAAAAGTCGTAACAAGGTTTTCGTAGGTGAACCTGCGGAAGGATCATTAGTGAAACAC
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spiraceae(0.2524),g:Clostridium_XlVa(0.0712);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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>OTU940;tax=d:Bacteria(0.7941),p:Cyanobacteria/Chloroplast(0.6899),c:Chloroplast(0.4045),f:Chloroplast(0.0710),g:Bacillariophyta(0.0087);

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>OTU939;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9348),c:Actinobacteria(0.8048),o:Actinomycetales(0.5023),f:Microbacteriaceae(0.1291),g:Agromyces(0.0230);

GTGTCAGCAGCCGCGGTAATACATAGGGTGCAAGCGTTGTCCGGAATTATTGGGCGTAAAGAGCTCGTAGGTGGTTTGATACGTCGGGTGTGAAATTCAGGGGCTCAACCCCTGACCTGCATTCGATACGGTCAAGCTAGAGTTTGGTAGGGGAGACTGGAATTCCTGGTGTAGCGGTGGAATGCGCAGATATCAGGAGGAACACCGATGGCGAAGGCAGGTCTCTGGGCCAATACTGACACTGAGGAGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTAGTCCACGCCGTAAACGGTGGGCGCTAGTTGTGCGAACCTTCCACGGTTTGTGCGACGCAGCTAACGCATTAAGCGCCCCGCCTGGGGAGTACGATCGCAAGATTAAAACTCAAATGAATTGACGGGG

>OTU938;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Clostridiaceae_2(0.1098),g:Tindallia(0.0204);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCCTATGGGAAGAAGAAAGTGACGGTACCATAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGCCCTGCAGGTCAGATGTGAAATACCCGTGCTTAACATGGGGGCTGCATTTGAAACCGTAGGGCTTGAGTGCGGAAGAGGTAAGTGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGACTTACTGGGCCGCAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU941;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Bacilli(0.7114),o:Lactobacillales(0.4280),f:Lactobacillaceae(0.2524),g:Lactobacillus(0.0712);

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>OTU944;tax=d:Bacteria(0.0024),p:Firmicutes(0.0000),c:Bacilli(0.0000),o:Bacillales(0.0000),f:Paenibacillaceae_1(0.0000),g:Brevibacillus(0.0000);

GGATTTAACCGAAGATGATTTCGATTTTCTGACGAGTAACAAAGTTTGGATTGCTACTGACCGCTCTCGTGCTCGTCGCTGCGTTGAGGCTTGCGTTTATGGTACGCTGGACTTTGTAGGATACCCTCGCTTTCCTGCTCCTGTTGAGTTTATTGCTGCCGTCATTGCTTATTATGTTCATCCCGTCAACATTCAAACGGCCTGTCTCATCATGGAAGGCGCTGAATTTACGGAAAACATTATTAATGGCGTCGAGCGTCCGGTTAAAGCCGCTGAATTGTTCGCGTTTACCTTGCGTGTACGCGCAGGAAACACTGACGTTCTTACTGACGCAGAAGAAAACGTGCGTCAAAAATTACGTGCAGAAGGAGT

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>OTU946;tax=d:Bacteria(0.0024),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Clostridiales(0.0000),f:Syntrophomonadaceae(0.0000),g:Syntrophomonas(0.0000);

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>OTU942;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Ruminococcaceae(0.0252),g:Saccharofermentans(0.0076);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGATGAAGGTTTTCGGATTGTAAACTTCTGTTATAAGGGAAAAAGAAAGGATGGTACCTTATGAGAAAGCCACGGCAAACTATGTGCCAGCAGCCGCGGTAATACATAGGTGGCAAGCGTTGTCCGGAATAACTGGGCGTAAAGAGAGCGTAGGCGGTAGAGTAAGTCAATTGTGAAAGCCCGTAGCTTAACTACGGAAATGCGATTGAAACTGCCCAACTAGAGTTCGGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTAAAATGCGTAGATATTAGGAGGAACATCAGAGGCGAAGGCGACTTTCTGGAACGAAACTGACGCTGAGGTTCGAAAGTATGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU947;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Lachnospiraceae(0.0149),g:Lachnospiracea_incertae_sedis(0.0066);

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9685),f:Coriobacteriaceae(0.9480),g:Enterorhabdus(0.2607);
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ales(0.1015),f:Rhodospirillaceae(0.0252),g:Azospirillum(0.0076);
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09),f:Elusimicrobiaceae(0.4563),g:Elusimicrobium(0.2607);
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coccaceae(0.2184),g:Clostridium_III(0.0423);

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coccaceae(0.0457),g:Clostridium_III(0.0110);
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03),f:"Prevotellaceae"(0.4563),g:Prevotella(0.0519);
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nales(0.0000),f:Methanosarcinaceae(0.0000),g:Methanolobus(0.0000);
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(0.0352),f:Anaplasmataceae(0.0086),g:Ehrlichia(0.0043);
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cterales(0.7623),f:Helicobacteraceae(0.5632),g:Helicobacter(0.1299);
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ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGGGAAGAAGGT
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66),f:"Porphyromonadaceae"(0.2524),g:Parabacteroides(0.0230);
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CCTACGGGTTGTAAACCTCTTTTACAAGGGAATAAAGATGGGGTCGTGACCCCAGTTGCATGTACCTTGTGAATAAGC
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GCGTAGGTGGCCCCTTAAGTCAGCGGTGAAAGTCAGTGGCTCAACCATTGAACTGCCGTTGAAACTGGGGGGCTTGA
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cterales(0.0000),f:Helicobacteraceae(0.0000),g:Helicobacter(0.0000);
CTTGGTCATTTAGAGGAAGTAAAAGTCGTAACAAGGTTTCCGTAGGTGAACCTGCGGAAGGATCATTAATGAAATTC
AAGGACGCTCTTTTTAGAGGTCCGACCAATTACATTTTACCTTTACTCTGTGCACACACTACTCTTTACACCATTTTTTA
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952),f:"Fusobacteriaceae"(0.9964),g:Fusobacterium(0.6200);
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37),f:Bacteroidaceae(0.4224),g:Bacteroides(0.2171);
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obiales(0.0000),f:Methanoregulaceae(0.0000),g:Methanoregula(0.0000);
GGAATTGTTTGTGAGCGTTGTGGTGTGGAGGTCACCGAGAGCCGGGTGCGTCGTCACCGGATGGGTTTCATCAAGCT
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coccaceae(0.5273),g:Clostridium_IV(0.0808);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGGGAAGAAGGT
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GAATATCCAGTGTAGAGGTGAAATTCGTAGATATTGGATAGAACACCGGTGGCGAAGGCGGTTATCTGGCTGATTAC
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spiraceae(0.4914),g:Moryella(0.1735);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGATGAAGTA
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>OTU971;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Clostridia(0.9834),o:Clostridiales(0.9866),f:Lachno
spiraceae(0.9201),g:Clostridium_XlVa(0.9566);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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coccaceae(0.2184),g:Clostridium_III(0.0615);
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coccaceae(0.1679),g:Clostridium_IV(0.0230);
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cteriales"(0.0063),f:Enterobacteriaceae(0.0019),g:Buchnera(0.0018);
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0000),f:Coriobacteriaceae(1.0000),g:Eggerthella(0.9818);
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CTTGGTCATTTAGAGGAAGTAAAAGTCGTAACAAGGTTTCCGTAGGTGAACCTGCGGAAGGATCATTGTCGAAACCTGCCCAGCAGAGCGACCAGAGAACATGTTTATCATGAACGGGGATGTGGTGAAAGCCCCATCCCTAAGCTGGGATGGTACTCCGCCTCGGTGGGGTATCTTCTCAGCACAATAACGAACCCCGGCGCGGTCTGCGCCAAGGAACATGGATACAAGTGTGCCCTTCTTCAGCTGGTTCGCCAGATGTAGAGGTGGCACCAAGTCGTATATAACATTAAACGACTCTCGGCAACCGGATATCTCGGCTCTCGCATCGATGAAGAACGCAGC

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>OTU977;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9605),c:"Bacteroidia"(0.7114),o:"Bacteroidales"(0.4280),f:"Porphyromonadaceae"(0.1485),g:Parabacteroides(0.0230);

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>OTU980;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9671),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.5766),f:"Porphyromonadaceae"(0.2524),g:Barnesiella(0.0230);

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>OTU979;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:Cytophagia(0.9827),o:Cytophagales(0.9843),f:Cytophagaceae(0.9873),g:Emticicia(0.9837);

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coccaceae(0.6350),g:Oscillibacter(0.0808);
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iaceae_1(0.9108),g:Clostridium_sensu_stricto(0.9085);
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30),f:Bacteroidaceae(0.8864),g:Bacteroides(0.8124);
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coccaceae(0.7068),g:Anaerotruncus(0.1735);

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,f:Spirochaetaceae(0.3544),g:Sphaerochaeta(0.0204);

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coccaceae(0.5991),g:Pseudoflavonifractor(0.0712);

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>OTU1015;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Lachn
ospiraceae(0.0149),g:Clostridium_XlVa(0.0066);
ACTTTCTTCCTCCTTTCTTCCTCTTTTTCCCTGGAGGAAACTCTGACCCAGCAACGCCGCGTGAAGGATGAAGGTTCTC
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diaceae_1(0.0149),g:Clostridium_sensu_stricto(0.0066);
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les"(0.8412),f:Chitinophagaceae(0.5991),g:Chitinophaga(0.0904);
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ococcaceae(0.6709),g:Clostridium_IV(0.2171);
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ospiraceae(0.6709),g:Lachnospiracea_incertae_sedis(0.4787);
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cillaceae(0.0000),g:Lactobacillus(0.0000);
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cillaceae(0.0073),g:Lactobacillus(0.0039);
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730),f:"Prevotellaceae"(0.9294),g:Prevotella(0.5239);
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ACGGAAGGCAGCAGTGGGGAATTTTGCGCAATGGGGGAAACCCTGACGCAGCAACGCCGCGTGCGGGATGAAGGCCTTCGGGTTGTAAACCGCTTTCAGCAGGGACGATTATGACGGTACCTGCAGAAGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTATCCGGATTCATTGGGCGTAAAGCGCGCGTAGGCGGTCGCATAAGCGGAACCTCTAATCTGAGGGCTCAACCCCCAGCCGGGTTCCGAACTGTGCGACTCGAGTGTGGTAGGGGTAGATGGAATTCCCGGTGTAGCGGTGAAATGCGCAGATATCGGGAAGAACACCGATGGCGAAGGCAGTCTACTGGGCCATCACTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
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ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGCGCAAGCCTGATGCAGCGACGCCGCGTGTGGGAAGACGGTCTTCGGATTGTAAACCACTGGCTTTGGGGACGATAATGACGGTACCCAAGGAGGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGAAGACAAGTTGGATGTGAAATCGATCGGCTTAACTGGTCGCTGCATTCAAAACTGTTTTTCTTGAGTGAAGTAGAGGTTGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCAACTGGGCTTTTACTGACGCTGAGGCTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
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ACGGGAGGCAGCAGTCGGGAATATTGCACAATGGAGGAAACTCTGATGCAGTGACGCCGCGTATAGGAAGAAGGTCTTTGGATTGTAAACTATTGTCGACAGGGAAGAAGAAAATGACAGTACCTGTGGAGGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTATCCGGATTTATTGGGTGTAAAGGGCGCGTAGACGGATTTGCAAGTTGGATGTGAAATCCCTTGGCTCAACCAAGGAACTGCATCCAAAACTGTAAACCTTGAGTATGGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACCAAAACTGACGTTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

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319),f:"Porphyromonadaceae"(0.1485),g:Barnesiella(0.0157);
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252),f:Bacteroidaceae(0.3544),g:Bacteroides(0.1299);
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ospiraceae(0.2184),g:Clostridium_XlVa(0.0326);
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ospiraceae(0.7428),g:Lachnospiracea_incertae_sedis(0.3479);
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ococcaceae(0.2184),g:Clostridium_III(0.0230);

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iicoccales(0.0000),f:Methanomassiliicoccaceae(0.0000),g:Methanomassiliicoccus(0.0000);
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ospiraceae(0.0904),g:Clostridium_XlVa(0.0181);
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>OTU1046;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Bacilli(0.5579),o:Bacillales(0.2999),f:Paenibacillac
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nadales(0.8846),f:Sphingomonadaceae(0.5273),g:Novosphingobium(0.3479);
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ales(0.0000),f:Alcaligenaceae(0.0000),g:Pusillimonas(0.0000);
CAACAATTTTAATTGCAGGGGCTTCGGCCCCTTACTTGAGGATAAATTATGTCTAATATTCAAACTGGCGCCGAGCGT
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cillaceae(0.0000),g:Lactobacillus(0.0000);
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diaceae_1(0.0149),g:Clostridium_sensu_stricto(0.0066);
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CCTTTCTTCCTCCTTTTTTCCTCTTTTTCCCTTTTCTCCCGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCCTAAGGGACGAAGGAAGTGACGGTACCTTAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGTGTAGGCGGCAGTATAAGTCCGGAGTGAAAGTCCTGCTTTCAAGGTGGGAATTGCTTTGGAGACTGTACAGCTTGAGTGCGGAAGAGGTAAGTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGAGATTGGGAGGAACACCAGTGGCGAAGGCGACTTACTGGGCCGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU1051;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Lachnospiraceae(0.1872),g:Oribacterium(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGGGAAACCCTGACGCAGCAACGCCGCGTGAGTGAAGACGTATCTCGGTATGTAAAGCTCTATCAGCGGGGAAGAAGGAAGACGGTACCCGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGTCGCAAGTCTGAAGTGAAAGCCCGTGGCTCAACCGCGGAACCGCTTTGGAAACTGCGAGGCTGGAGTGCTGGAGAGGTAAGCGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATCAGGAGGAACACCGGTGGCGAAGGCGGCTTACTGGACAGTGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU1052;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Lachnospiraceae(0.5273),g:Clostridium_XlVa(0.2171);
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>OTU1053;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Ruminococcaceae(0.3544),g:Clostridium_III(0.0519);
ACGGAAGGCAGCAGTGGGGGATATTGCGCAATGGGGGGAACCCTGACGCAGCAACGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGTAAACTTCTGTTCTTAGGGAAGAAGACAGTGACGGTACCTAAGGAGCAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGACAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGATATCAAGTCAGCCGTGAAATACCGGGGCTCAACTCCGGGGCTGCGGTTGAAACTGATATTCTTGAGTGTCGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACGATAACTGACGCTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1036;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Lachnospiraceae(0.1098),g:Parasporobacterium(0.0204);
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CCTTCCTTCCTCCTTTCTTCCTCTTTTTCCCTGTTCTCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGCATACCCGTTTGCATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGATGTTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGATATCTTGAGTGCAGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTAAGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
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>OTU1061;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Ruminococcaceae(0.4224),g:Clostridium_III(0.1299);
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bacteraceae(0.1098),g:Lutispora(0.0204);
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ospiraceae(0.4224),g:Clostridium_XlVa(0.1299);
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0.9941),f:Corynebacteriaceae(0.9868),g:Corynebacterium(0.9762);
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497),f:"Prevotellaceae"(0.9015),g:Prevotella(0.5720);
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ospiraceae(0.1679),g:Parasporobacterium(0.0423);
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ospiraceae(0.2524),g:Parasporobacterium(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGACTGAAGAAGTA
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GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGATGCA
AGTTGGGAGTGAAATCCCGGGGCTCAACCCCGGAACTGCTTTCAAAACTGTATCCCTTGAGTATCGGAGAGGCAAGC
GGAATTCCTAGTGTAGTGGTGAAATGCGTAGATATTAGGAGGAACACCAGCGGCGAAGGCGGCTTTCTGGACTGTA
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>OTU1069;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8520),f:"Prevotellaceae"(0.5273),g:Prevotella(0.0904);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGTAAGGCTGAACCAGTCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATGTGGGGATAAACGACGGGACTTGTCCCGTTTTGCAGGTACCTCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTTCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGGACTTTAAGCGTGTTGTGAAAAACCGTCGCTCAACGACGGTCGTGCAGCGCGAACTGGAGTTCTTGAGTGCGCTGAAAGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCCACTGTATCGCAACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU1071;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9441),c:"Bacteroidia"(0.6346),o:"Bacteroidales"(0.3639),f:"Porphyromonadaceae"(0.1679),g:Barnesiella(0.0204);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGGAGCCTGAACCAGCCAAGTCGCGTGAGGGAGGAAGGTCCTACGGATTGTAAACCTCTTTAGCCGGGGAGCAACGTGCGCCACGTGTGGCGCAGTGAGAGTACCCGGAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGCGCGAAAAGTCAGCGGTCAAAGTTCCGGGCTCAACCCGGTGACGCCGTTGAAACTTTCGTGCTGGAGTTCGTGCGAGGGAGGCGGAATGCGTTGTGTAGCGGTGAAATGCATAGATATGACGCAGAACCCCGATTGCGAAGGCAGCTTTCCAGCACGCGACTGACGCTGAGGCACGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU1073;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9168),c:Flavobacteriia(0.4045),o:"Flavobacteriales"(0.1719),f:Flavobacteriaceae(0.0710),g:Chryseobacterium(0.0157);

GTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGTCCGTAGGCGGGCCGATAAGTCAGTGGTGAAAGCCCATAGCTCAACTATGGAACTGCCATTGATACTGTCGGTCTTGAGTATATGTGATGTTGGCGGAATGTGTAGTGTAGCGGTGAAATGCTTAGATATTACACAGAACACCGATTGCGAAGGCAGCTGACAAATATATAACTGACGCTGAGGGACGAAAGTGTGGGGATCAAACAGGATTAGATACCCTGGTAGTCCACACCGTAAACGATGATTACTAGATTTTGGCCTTATGGTCAGAGTCCAAGCGAAAGTGTTAAGTAATCCACCTGGGGAGTACGTCCGCAAGGATGAAACTCAAAGGAATTGACGGGG

>OTU1072;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Ruminococcaceae(0.4914),g:Oscillibacter(0.0712);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAGGCCCGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTGTCAGGGACGAGAAGAAGACGGTACCTGACGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGTCGGCAAGTCAGATGTGAAATCCACGGGCTTAACTCGTGAACTGCATTTGAAACTGTTGATCTTGAGTATCGGAGAGGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1070;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Ruminococcaceae(0.0355),g:Ruminococcus(0.0087);
ACGGGAGGCAGCAGTCGGGAATATTGCGCAATGGAGGAAACTCTGACGCAGTGACGCCGCGTATAGGAAGAAGGTTTTCGGATTGTAAACTATTGTCGATAGGGAAGAAAAAAGACAGTACCTATCAAGAAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTTATAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGGCAGACTTGAGTGCGCAGGAAGTAGGCGGAATTCCCTGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTAACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU1077;tax=d:Bacteria(0.0058),p:"Proteobacteria"(0.0000),c:Gammaproteobacteria(0.0000),o:"Enterobacteriales"(0.0000),f:Enterobacteriaceae(0.0000),g:Erwinia(0.0000);
TAAAATGCAACTGGACAATCAGAAAGAGATTGCCGAGATGCAAAATGAGACTCAAAAAGAGATTGCTGGCATTCAGTCGGCGACTTCACGCCAGAATACGAAAGACCAGGTATATGCACAAAATGAGATGCTTGCTTATCAACAGAAGGAGTCTACTGCTCGCGTTGCGTCTATTATGGAAAACACCAATCTTTCCAAGCAACAGCAGGTTTCCGAGATTATGCGCCAAATGCTTACTCAAGCTCAAACGGCTGGTCAGTATTTTACCAATGACCAAATCAAAGAAATGACTCGCAAGGTTAGTGCTGAGGTTGACTTAGTTCATCAGCAAACGCAGAATCAGCGGTATGGCT
>OTU1075;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Alphaproteobacteria(0.9882),o:Sphingomonadales(0.9798),f:Sphingomonadaceae(0.9868),g:Sphingorhabdus(0.9762);
GTGCCAGCAGCCGCGGTAATACGGAGGGAGCTAGCGTTGTTCGGAATTACTGGGCGTAAAGAGTACGTAGGCGGTGATTCAAGTCAGAGGTGAAAGCCTGGAGCTCAACTCCAGAACTGCCTTTGAAACTAGATCGCTAGAATTGTGGAGAGGTTAGTGGAATTCCGAGTGTAGAGGTGAAATTCGTAGATATTCGGAAGAACACCAGTGGCGAAGGCGACTAACTGGACACATATTGACGCTGAGGTACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTAGTCCACGCCGTAAACGATGATAACTAGCTGTTCGGGGTCTACGATCCTGAGTGGCGCAGCTAACGCATTAAGTTATCCGCCTGGGGAGTACGGTCGCAAGATTAAAACTCAAAGGAATTGACGGGG
>OTU1074;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Peptococcaceae_1(0.0904),g:Desulfitibacter(0.0181);
ACGGGAGGCAGCAGTGGGGAATTTTCCGCAATGGGCGAAAGCCTGACGGAGCAACGCCGCGTGAGTGAAGAAGGCCTTCGGGTCGTAAAGCTCTGTCTTTGGGGAAGAACATCATATATGTGAATAATGTATATGACTGACGGTACCCGAGGAGGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGCGCGTAGGCGGGGTTTTAAGTAGTGTGTGAAAACTATAGGCTCAACCTGTAGACTGCATGCTAAACTGGAACTCTTGAGGGCAGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTTCTGGACTGTACCTGACGCTGAGGCGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU1079;tax=d:Bacteria(0.0058),p:"Actinobacteria"(0.0000),c:Actinobacteria(0.0000),o:Bifidobacteriales(0.0000),f:Bifidobacteriaceae(0.0000),g:Bifidobacterium(0.0000);

GTGAATCATCGAATCTTTGAACGCAAGTTGCGCCCCAAGCCTTCTGGCCGAGGGCACGTCTGCCTGGGTGTCACAAATCGTCGTCCCCCCATCCTCTCGAGGATATAGGACGGAAGCTGGTCTCCCGTGTGTTACCGCACGCGGTTGGCCAAAATCCGAGCTAAGGATGCCAGGAGCGTCTTGACATGCGGTGGTGAATTCAATCTCCTCGTCATATCGTCGGTCGTTCCGGTCCAAAAGCTCTCGATGACCCAAAGTCCTCAACGCGACCCCAGGTCAGGCGGGATCACCCGCTGAGTTTAAGCATATCAATAAGCGGAGGA

>OTU1076;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Ruminococcaceae(0.5991),g:Ruminococcus(0.2607);

CCTTTCTTCCTCCTTTTTTTCTCTTTCTCCCTTTTTTCCCCCCTGCCTCCTCCACGCCGCGTGAACGATGAAGGTCTTCGGATTGTAAAGTTCTTTTATTAAGGACGAAGAAGTGACGGTACTTAATGAATAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCAGAGCAAGTCAGATGTGAAATCCGTGGGCTTAACCCACGAACTGCATTTGAAACTGTTTTGCTTGAGTGAAGTAGAGGCAGGCGGAATTCCCTGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTAACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU1081;tax=d:Bacteria(0.0076),p:"Proteobacteria"(0.0000),c:Alphaproteobacteria(0.0000),o:Caulobacterales(0.0000),f:Caulobacteraceae(0.0000),g:Brevundimonas(0.0000);

CTTGGTCATTTAGAGGAAGTAAAAGTCGTAACAAGGTCTCCGTTGGTGAACCAGCGGAGGGATCATTACCGAGTTTACAACTCCCAAACCCCTGTGAACATACCTTAATGTTGCCTCGGCGGATCAGCCCGCGCCCCGTAAAACGGGACGGCCCGCCAGAGGACCCAAACTCTAATGTTTCTTATTGTAACTTCTGAGTAAAACAAACAAATAAATCAAAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGC

>OTU1078;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Bacilli(0.9711),o:Lactobacillales(0.8737),f:Lactobacillaceae(0.7787),g:Lactobacillus(0.4351);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTAGAGAAGAACGTGCGTGAGAGCAACTGTTCACGCAGTGACGGTATCTAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGTGCGTAGGCGGTTTGGTAAGTTGGATGTGAAATACCCGGGCTTAACTTGGGGGCTGCATCCAATACTGTCGGACTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU1080;tax=d:Bacteria(1.0000),p:Firmicutes(0.2586),c:Clostridia(0.0726),o:Clostridiales(0.0473),f:Ruminococcaceae(0.0113),g:Clostridium_III(0.0056);

ACGGGAGGCAGCAGTAGGGAATATTGGGCAATGGAGGAAACTCTGACCCAGCAACGCCGCGTGAAGGATGAAGGT
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AGCAGCCGCGGTAATACATAGGGGGCAAGCGTTGTCCGGAATCACTGGGCGTAAAGAGAGCGTAGGCGGTTTTGTA
AGTCAATGGTGAAAGCCCGAGGCTCAACTTCGGAATTGCCGTTGATACTGCTTAACTAGAGTGTGGGAGAGGAAAAT
GGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACATCGGTGGCGAAGGCGATTTTCTGGAACATT
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>OTU1083;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9474),c:"Bacteroidia"(0.6346),o:"Bacteroidales"(0.3
639),f:"Porphyromonadaceae"(0.1679),g:Parabacteroides(0.0181);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGCCGCGTGAAGGACTAAGGC
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GAGGGAGAGAAGTAGGCGGAATGCGCAGTGTAGCGGTGAAATGCATAGATATTGCGCAGAACTCCGATTGCGAAG
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>OTU1082;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Erysipelotrichia(0.9834),o:Erysipelotrichales(0.98
66),f:Erysipelotrichaceae(0.9876),g:Erysipelotrichaceae_incertae_sedis(0.9799);

ACGGGAGGCAGCAGTAGGGAATTTTCGTCAATGGGGGGAACCCTGAACGAGCAATGCCGCGTGAGTGAGGAAGGT
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GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGAATGATTGGGCGT
AAAGGGTGCGTAGGTGGCAGATCAAGTCTGGAGTAAAAGGTATGGGCTCAACCCGTACTGGCTCTGGAAACTGATC
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GGTA

>OTU1085;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Lachn
ospiraceae(0.6350),g:Anaerostipes(0.3479);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGCGTAGGTGGTATGGTAA
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CGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGT
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>OTU1084;tax=d:Bacteria(0.0041),p:"Actinobacteria"(0.0000),c:Actinobacteria(0.0000),o:Actinomycetales(
0.0000),f:Nocardioidaceae(0.0000),g:Nocardioides(0.0000);

GGGATCGTTTGTGAGCGCTGCGGTGTGGAGGTCACCGAAAGCCGGGTGCGTCGTCACCGCATGGGCTTCATCAAGC
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023),f:"Porphyromonadaceae"(0.2864),g:Parabacteroides(0.0615);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATGCCGCGTGAAGGACTAAGGCC
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955),f:"Prevotellaceae"(0.6709),g:Prevotella(0.2607);
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diaceae_4(0.0355),g:Thermotalea(0.0087);
CCTTCCTTCCTCCTTTTTTCCTCTTTTTCCCTGTTCTCCAGCCTTACCCAGCAATGCCGCGTGAGTGAAGAAGGTCTTCG
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GAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACATCAGTGGCGAAGGCGACTTACTGGACGATAA
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039),f:"Prevotellaceae"(0.0710),g:Alloprevotella(0.0087);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGCGAGACTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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ococcaceae(0.4563),g:Intestinimonas(0.1299);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGGGCAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
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occaceae(0.5632),g:Enterococcus(0.3043);
ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGACGAAAGTCTGACCGAGCAACGCCGCGTGAGTGAAGAAGGT
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ococcaceae(0.1485),g:Ruminococcus(0.0326);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGATGCCGCGTGGAGGAAGAAGGT
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>OTU1094;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Eubac
teriaceae(0.2184),g:Eubacterium(0.0615);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
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GCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGTCTGGCAA
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685),f:Bacteroidaceae(0.5273),g:Bacteroides(0.3479);
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623),f:"Prevotellaceae"(0.4224),g:Prevotella(0.0519);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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846),f:"Prevotellaceae"(0.6709),g:Prevotella(0.0904);
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ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGCAACCCTGACCCAGCAATGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTATCGGGGAAGAGCAGAAGACTGTACCTGATGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGCAGCCGGGAAGGCAAGTCAGATGTGAAAACTATGGGCTTAACCCATAGACTGCATTTGAAACTGCTTTTCTTGAGTATCGGAGAGGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
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509),f:"Porphyromonadaceae"(0.3884),g:Barnesiella(0.0615);

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coccaceae_2(0.0355),g:Desulfotomaculum(0.0087);
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ospiraceae(0.4563),g:Clostridium_XlVa(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGCACAACGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
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ionales(0.8520),f:Desulfovibrionaceae(0.4914),g:Desulfovibrio(0.1735);
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ccaceae(0.0000),g:Facklamia(0.0000);
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ococcaceae(0.1872),g:Clostridium_III(0.0326);
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ospiraceae(0.5632),g:Clostridium_XlVb(0.3479);
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9),f:Spirochaetaceae(0.1872),g:Spirochaeta(0.0134);
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0010),f:Methanopyraceae(0.0003),g:Methanopyrus(0.0003);
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ospiraceae(0.5991),g:Roseburia(0.3915);
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diaceae_4(0.1098),g:Thermotalea(0.0204);
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63),f:Erysipelotrichaceae(0.8864),g:Turicibacter(0.8124);

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diales_Incertae_Sedis_XI(0.7787),g:Peptoniphilus(0.6681);
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ionales(0.0000),f:Desulfovibrionaceae(0.0000),g:Desulfovibrio(0.0000);

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acteriales"(0.9707),f:Enterobacteriaceae(0.9573),g:Escherichia/Shigella(0.7643);
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ospiraceae(0.9294),g:Clostridium_XlVa(0.9686);
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ococcaceae(0.2864),g:Ruminococcus(0.0423);
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diaceae_1(0.5273),g:Anaerosporobacter(0.3479);
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ospiraceae(0.4914),g:Clostridium_XlVa(0.3043);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGCGAAAGCCTGATCCAGCGACGCCGCGTGAGCGATGAAGTA
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ococcaceae(0.1098),g:Clostridium_III(0.0204);
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ococcaceae(0.2524),g:Acetivibrio(0.0230);
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ospiraceae(0.4914),g:Clostridium_XlVb(0.0808);
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937),f:Bacteroidaceae(0.9884),g:Bacteroides(0.9912);
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ospiraceae(0.7787),g:Roseburia(0.5239);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAACGAAGAAGTA
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ococcaceae(0.9294),g:Anaerofilum(0.4351);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGGGAAGAAGG
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ococcaceae(0.0710),g:Clostridium_IV(0.0157);
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ospiraceae(0.2184),g:Clostridium_XlVa(0.0423);
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streptococcaceae(0.5632),g:Clostridium_XI(0.3915);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
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ospiraceae(0.9873),g:Coprococcus(0.9762);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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GGAGTTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTACTGGACTGCT
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846),f:"Prevotellaceae"(0.6350),g:Prevotella(0.2607);
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ospiraceae(0.1098),g:Hespellia(0.0181);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAACCCTGATCCAGCAACGCCGCGTGAACGAAGAAGGCT
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diaceae_2(0.0710),g:Alkaliphilus(0.0134);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAAGGAAGAAGGT
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ococcaceae(0.2524),g:Papillibacter(0.0326);
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ococcaceae(0.1485),g:Intestinimonas(0.0181);
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ococcaceae(0.3544),g:Pseudoflavonifractor(0.0326);
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ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCCTCGGGTTGTAAACTTCTTTTATCAGGGACGAAGACAATGACGGTACCTGATGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGAAAGCAAGTCAGGCGTGAAAACTCGGGGCTCAACCCCGAGCCTGCGTTTGAAACTGTTTTTCTTGAGTGATGGAGAGGCAGGCGGAATTCCGTGTGTAGCGGTGAAATGCGTAGATATACGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGGCTTTAACTGACGCTGAGGCACGAAAGCATGGGGAGCAAACAGGATTAGATACCCTGGTA

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ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGAAGTCTGAACCAGCCATGCCGCGTGAAGGAATAAGGCCCTATGTGTCGTAAACTTCTTCTGTGGTGGAGCAATAAGATCTACGCGTAGGTCGATGAGCGTACATCACGAATCAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCAAGCGTTATCCGGAATTACTGGGCTTAAAGGGTGCGTAGGCGGCTTTGCAAGTCAGAGGTGAAAGGCCAGGGCGCAACCCGGAAAGTGCCGTGGATACTGTGAGGCTGGAATGCGGATGAGGTGGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCACGAAGAACACCGATTGCGAAGGCAGCTCACAAAACCGAAATTGACGCTGAGGCACGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU1200;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9966),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5023),f:"Porphyromonadaceae"(0.1872),g:Parabacteroides(0.0326);

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>OTU1203;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Lachnospiraceae(0.3204),g:Dorea(0.0808);

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>OTU1202;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Clostridiaceae_2(0.0355),g:Alkaliphilus(0.0087);

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>OTU1204;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Ruminococcaceae(0.2864),g:Intestinimonas(0.0615);

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>OTU1207;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Ruminococcaceae(0.2184),g:Intestinimonas(0.0204);

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>OTU1208;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Lachnospiraceae(0.2184),g:Hespellia(0.0423);
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280),f:Bacteroidaceae(0.1485),g:Bacteroides(0.0326);
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ales"(0.9843),f:Sphingobacteriaceae(0.9873),g:Pedobacter(0.8605);
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ospiraceae(0.7068),g:Blautia(0.3915);
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acteriales"(0.9685),f:Enterobacteriaceae(0.9480),g:Citrobacter(0.6681);
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ococcaceae(0.1291),g:Clostridium_III(0.0157);
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ococcaceae(0.1485),g:Ruminococcus(0.0326);
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2),f:Spirochaetaceae(0.5273),g:Treponema(0.2171);
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GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGAGTGTAGGCGGCTTAGCA
AGTCAGATGTGAAAGCCCGCGGCTTAACCGCGGAACTGCATCTGAAACTGTTAGGCTTGAGTGCAGGAGAGGTAAG
TGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGAGGCGAAGGCGACTTACTGGACTGT
AACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1233;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.4311),c:Alphaproteobacteria(0.2321),o:Rickettsiales(0.0781),f:Anaplasmataceae(0.0252),g:Ehrlichia(0.0076);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGACGAAACTCTGATCCAGCCATGCCGCGTGAAGGATGAAGGCC
TTTGGTATGTAAAGCTCTTTTAGTAGGGAAGATAATGACGGTACTTACCTAAGAAGTCCTGGCTAACTACGTGCCAGC
AGCCGCGGTAATACGGAGGGGGCTAGCGTTATTCGGAATTATTGGGCGTAAAGGGCGCGTAGGCGGATTAGTAAGT
TAAAAGTGAAAGCCCAAGGCTCAACCTCGGAATTGCATTTAGAACTGTAATGCTAGAGAGTGAGAGAGGAAAGAGG
AATTCCTAGTGTAGAGGTGAAATGCGTAAATATTAGGAGGAACACCAGTGGCGAAGGCGGCTAGCTGGTCGAAGAC
TGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1235;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Lachnospiraceae(0.0710),g:Dorea(0.0134);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGC
TTTCGGATTGTAAACCTCTGTCGCAGGGGACGAAGGAAGTGACGGTACCCTGTAAGAAAGCCCCGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGACTGGGCGTAAAGGGTGTGTAGGCGGTTTG
GCAAGTTGGGAGTGAAATACCTAGGGCTTAACCCAGGTGCTGCTTTCAAAACTGTATCCCTTGAGTATCGGAGAGGC
AAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGAC
GATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1236;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.7907),c:Spirochaetia(0.5195),o:Spirochaetales(0.2679),f:Spirochaetaceae(0.1291),g:Treponema(0.0157);

ACGGAAGGCAGCAGCTAAGAATATTGCGCAATGGGCGGAACCCTGACGGAGCGACGCCGCGTGGACGATGAAGGCTGTCAGGTTGTAAAGTCCTTTTATGACAGAGGAATAAGCGGGGGAGTGGAAAGCCCATGCGATGACTGTAGGTCATGAATAAGCACCGGCTAATTACGTGCCAGCAGCCGCGGTAACATGTAAGGTGCGAGGGTTGTTCGGAATCATTGGGAGTAAAGGGCATGTAGGCGGGCTGTCAAGCCAGACGTGAAAGGCAGGGGCTCAACCCCTGAACTGCACTTGGAACTGGGGGACTGGAGTCGCTGAGGGGGAAGCGGAATTCCTGGTGTAGGGGTGAAATCTGTAGATATCAGGAAGAACACCGATGGCGAAGGCAGGTTTCCGGCAGACGACTGACGCTGAGGTGCGAAAGTGCGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1238;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachnospiraceae(0.5273),g:Lachnospiracea_incertae_sedis(0.3043);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGATAATGACGGTACCTGACTAAGAAGCTCCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGGAGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGGAGTGAAAGGCTACGGCTCAACCGTAGTAAGCTCTTGAAACTGGGAAACTTGAGTGCAGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTTACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGGTACCCTGGTA

>OTU1237;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Clostridiaceae_1(0.5273),g:Clostridium_sensu_stricto(0.2607);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCATGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACTCACGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTTTTAAGTGAGATGTGAAATACCCGGGCTTAACTTGGGTGATGCACTTAAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAAGGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGCTTCTCTGGTCTGTAACTGACGCTGGGGCTCGAAAGCGTGGGGAGCAAACAGGAGTAGATACCCAGGTA

>OTU1240;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Lachnospiraceae(0.0560),g:Eisenbergiella(0.0110);

ACGGGAGGCAGCAGTTGGGAATATTGGACAGTGGAGGAAACTCTGATCCAGTGACGCCGCGTGAAGGAAGAAGGTCTTCGGATTGTAAACTTATTTTATCAGGGAAGAAGAAAGTGACAGTACCTGAAGAAAAAGGACCGGCAAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTCCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGAGTAGACGGCGCTGTAAGTCAGCTGTGAAAACTTAGGGCTCAACCTTAAGACTGCAGCTGAAACTGTAGTGCTAGAGCGCAGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTAACTGACGTTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1239;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Ruminococcaceae(0.0560),g:Clostridium_III(0.0134);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGCTTTCGGGTTGTAAACCTCTGTCCGTGGTGACGAAGGAAGTGACGGTAGCCAAGGAGGAAGCCCCTGCTACCTACGTGCCAGCAGCCGCGGTAATACGAAGGGGGGGAGCGTTGGTCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGTCTTGTAAGTTGGATGTGAAATCCCCGGGCTTAACTTGGGAACTGCATCCAATACTGGGAGTCTAGAGTGCAAGAGAGGGAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1242;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.3448),c:Alphaproteobacteria(0.1159),o:Rhizobiales(0.0547),f:Methylobacteriaceae(0.0113),g:Methylobacterium(0.0056);
GTGTCAGCAGCCGCGGTAATACGAAGGGTGCTAGCGTTGTTCGGAATGACTGGGCGTAAAGGGTGCGTAGGCGGTAAGATGCGTCTGATGTGAAATCCCTGGGCTTAACCTAGGAACTGCATTGGATACGGTCTTACTAGAGTCCGCGAGAGGAAGATGGAATTGTGCGTGTAGAGGTGAAATTCGTAGATATGCACAAGAACACCGGTGGCGAAGGCGATCTTCTGGAGCGGTACTGACGCTAAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTAGGCCACGCTGTAAACGAGGATTATTAGATGTCGGGAGGGTTACTGTTCGGTAGCGCAGCTAACGCATTAAATAAGCCGCCTGGGGAGTACGGTCGCAAGATTAAAACTCAAAGGAATTGGCGGGG
>OTU1243;tax=d:Bacteria(0.0041),p:"Proteobacteria"(0.0000),c:Alphaproteobacteria(0.0000),o:Rhizobiales(0.0000),f:Hyphomicrobiaceae(0.0000),g:Pedomicrobium(0.0000);
GTTGCAGGCTGGCACTTCTGCCGTTTCTGATAAGTTGCTTGATTTGGTTGGACTTGGTGGCAAGTCTGCCGATGATATAGGAAAGGAAACTTGTGATTATCTTGCTGCTGCATTTCCTGAGCTTAATGATTGGGAGCGGGCTGGTGCTGATGCTTCCTCTGCTGGTATGGTTGACGCCGGATTTGAGAATCAAAAAGAGCTTACTAAAATGCAACTGGACAATCAGAAAGAGATTGCCGAGATGCAAAATGAGGCGCAAAAAGATATTGCTGGCATGCAGTCAGCGACTTCACGCCAGAATACGAAAGACCAGGTATATGCACAAAATGAGATGCTTGCTTATCAACAGAAGGAGTCTACGGCTCGCGTTGCGTCTAGTAAGGCAAACA
>OTU1241;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Ruminococcaceae(0.0904),g:Ruminococcus(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCGTAGAAGACGAAGGAAGTGATGGTCATCTGTGAGGAAGCCCCGGCCAACTACGTGCCAGCAGCCGTGGTACTACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGAGCGTAGGCGGTTAAGTAAGTTAGATGTGAAATACCCGGGCTTAACTTAGAGGGTGCATCTAATACTGGAGAACTAGAGTGAAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCATAGATATTAGGAGGAACATCAGTGGCGAAGGCGGCTTACTGGACTGACACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1245;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Bacilli(0.3483),o:Bacillales(0.1483),f:Paenibacillaceae_1(0.0560),g:Paenibacillus(0.0134);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGATGAAGGTTTTCGGATCGTAAACCTCTGTCGCAGAAGACGAGGGTAGTGACGGTAATCTGTGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAGGGGGCGAGCGTCGTCCGGAATGATTGGGAGTAAAGGGCGCGTAGGCGGCCTGATAAGTCTGGAGTGAAAGTCCTGGGTTCAAGGTGGGAATTGCGTTGGATACTGGCGGGCTTGAGTGCAGGAGAGGAAAGCGGAATTACCGGTGTAGCGGTGAAATGCGTAGAGATCGGTAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGAAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1246;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Ruminococcaceae(0.1291),g:Clostridium_III(0.0134);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGGACGTGACGGTACCTGGAGAAAAAGCAACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTTGCAAGCGTTGTCCGGATTTACTGGGTGTAAGGGGCGTGTAGGCGGAGATGCAAGTCAGGACTGAAATCCCGGGGCTCAACCCCGGAACTGCTTTTGAAACTGGATCCCTTGAGTGTCGGAGAGGCAAGCGGAAGTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGGGGAACACCAGTGGCGAAGGCGGCTTGCGGGACGATAAGTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGAGACCCTAGGTA

>OTU1248;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Lachnospiraceae(0.4224),g:Clostridium_XlVa(0.2171);

ACGGAAGGCAGCAGTGGGGAATATTGGACAATGGGGGGAACCCTGATCCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAAGAAAGAAAATGACGGTACTTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTAAGGCAAGTCTGAAGTGAAATGCCAGGGCTCAACCCTGGAACTGCTTTGGAAACTGTCCTACTAGAGTGCAGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1249;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachnospiraceae(0.2864),g:Blautia(0.0808);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGTCGCGTGAGCGAAGAAGTACTTCGGTATGTAAAGCTCCATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGTGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGAAAGGCAAGTCTGATGTGAAAATCCGGGGCTCAACCGCGGAACTGCATTGGAAACTGTTTGTCTTGAGTGCCGGAGAGGTAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGATGATGACTGACGTTGAGGCTCGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU1250;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Ruminococcaceae(0.1291),g:Saccharofermentans(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACACCGCGTGAAGGAAGAAGGTCTTCGGATTGTAAACTTCTGTTATAGGGGACGAAGTATGACGGTACCCTATGAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGTGTAGGCGGGATTGCAAGTCGGATGTGAAATCCCCAGGCTCAACCTGTGGACTGCATTGGAAACTGTTAGTCTTGAGTGCCGGAGGGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGACACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1251;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9540),c:Epsilonproteobacteria(0.8614),o:Campylobacterales(0.6881),f:Campylobacteraceae(0.4224),g:Campylobacter(0.2171);
ACGGGAGGCAGCAGTAGGGAATATTGCTCAATGGGCGAAAGCCTGAAGCAGCAACGCCGCGTGGAGGATGACACTTTTCGGAGCGTAAACTCCTTTTGTTGGGGAAGAAATTTGACGGTACCCAACGACTAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTACTCGGAATCACTGGGCGTAAAGGACGCGTAGGCTGATTATCAAGTCTTTTGTGAAATCTAATGGCTTAACCATTAAACTGCTTGAGAAACTGATAATCTAGAGTGTCGGAGAGGTTGACGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1252;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Lachnospiraceae(0.7428),g:Lachnospiracea_incertae_sedis(0.3915);
ATGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGTGGCAAGGCAAGTCAGATGTGAAAACCCGGGGCTCAACTCCGGGACTGCATTTGAAACTGTCTAGCTAGAGTGCAGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCATAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1253;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.9038),o:Clostridiales(0.7623),f:Peptostreptococcaceae(0.2524),g:Clostridium_XI(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGTTAATTAAGTTAGATGTGAAATACCCGGGCTTAACTTGGGAGGTGCATCTAATACTGGTAAACTAGAGTACAGGAGAGGAAAGCGGAATTACCGGTGTAGCGGTGAAATGCGTAGAGATCGGTAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTTTAACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU1255;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9798),o:"Bacteroidales"(0.9753),f:Bacteroidaceae(0.9015),g:Bacteroides(0.8605);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGATAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGGATGTATGCTGTATTGGATGTATTATATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGAGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATAGGGTTTAAAGGGAGCGTAGGTGGACTGGTAAGTCAGATGTGAAAGTTTGCGGCTCAACCGTTAAATTGCAGTTGAAACTGTCAGTCTTGAGTACAGTAGAGGTGGTCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATTACGAAGAACTCCGATTGCGATGGCAGCTCACTGGACGGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU1247;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Bacilli(0.5963),o:Lactobacillales(0.3319),f:Lactobacillaceae(0.1485),g:Lactobacillus(0.0326);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATGGTGGCAGCAACTGGCCATTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGGATGCAAGTCAGATGTGAAATCTATGGGCTTAACCCATAAACTGCATTTGGAACTGTCGAACTAGAGTGCAGGAGGGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1254;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Ruminococcaceae(0.1098),g:Saccharofermentans(0.0157);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAAGGAAGAAGGTCTTCGGATTGTAAACTTCTTTTATTGGGGACGAAGAAATGACGGTACCCAATGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGTGTAGGCGGGACTGCAAGTCAGAAGTGAAAATTATGGGCTTAACTCATAACTTGCTTTTGAAACTGTGGTTCTTGAGGGTCGGAGAGGTTACTGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAATACCGGTGGCGAAGGCGAGTAACTGGACGAAACCTGACGCTGAGGCACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1256;tax=d:Bacteria(1.0000),p:Firmicutes(0.2586),c:Clostridia(0.1159),o:Clostridiales(0.0547),f:Ruminococcaceae(0.0099),g:Saccharofermentans(0.0046);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGAGGCAACTCTGACCCAGCAACGCCGCGTGAATGATGAAGGTCTTCGGATTGTAAAGTTCTGTGACGGGGGACGAAGAAAGTGACGGTACCCCAATAGCAAGCTACGGCTACATACGTGCCAGCAGCCGCGGTAATACGTAGGTAGCAAGCGTTGTACGGAATGACTGGGAGTAAAGGGTGCGTAGGTGGCTTAACAAGTTGGTAGTGAAATTCCGAGGCTTAACTTCGGCGCTACTACCAAGACTGTTGAGCTTGAGTACAGGATAGGTAAGTGTAAGTCCTAGTGTATCGGTGGAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTGCTGGCCTGCAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGTTA

>OTU1257;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.4311),c:"Bacteroidia"(0.2321),o:"Bacteroidales"(0.1015),f:"Rikenellaceae"(0.0355),g:Alistipes(0.0087);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGACGGCTCTATGAGTTGTAAACTGCTTTTGTACGAGGGTAAAATTGGGTACGCGTACCTGACTGAAAGTATCGTACGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGATTGCAAGTCAGGCGTGAAGACCAGGGGCTCAACCTCTGGCCTGCGTTTGAAACTGTAGTTCTTGAGTACTGGAGAGGTTGACGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGTCAACTGGACAGCAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1258;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Eubacteriaceae(0.1098),g:Eubacterium(0.0204);

ACGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGCAGGAAGAAGGCCTTTGGGTCGTAAACTTCTGTTCTAAGGGAAGAAAAGGACTGTACCTTAGGCGCAAGTCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTACGTAGGTGGTTTCCTAAGCACAGGGTTTAAGGCTAAGGCTCAACCATAGTTCGCCCTGTGAACTGGGAGACTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1259;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Clostridiaceae_1(0.4914),g:Clostridium_sensu_stricto(0.3043);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGTTTTCGGATCGTAAAGCTCTGTCTTTGGGGAAGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTGGGTGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGTCGATTAAGTTAGATGTGAAACCCCCGGGCTTAACTTGGGGACTGCATCTAATACTGGTTGACTTAGAGTACAGGAGAGGGAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1260;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9805),o:"Bacteroidales"(0.9775),f:"Prevotellaceae"(0.9201),g:Prevotella(0.8124);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGCCCTATGGGTTGTAAACTGCGTTTATAGGGGAATAAAGTGATCCACGTGTGGTTTCTTGCATGTACCCTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGGAGATTAAGCGTGTTGTGAAATGTAGACGCTCAACGTCTGCACTGCAGCGCGAACTGGTTTCCTTGAGTACGCATAAAGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGGGCGCAACTGACGCTGAAGCTCGAAAGCGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU1262;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8755),o:"Bacteroidales"(0.7252),f:Bacteroidaceae(0.3544),g:Bacteroides(0.1299);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGGAGCCTGAACCAGCCAAGTCGCGTGCGGGAAGACGGGTCTATGGCCTGTAAACCTCTTTTGTCAGGGAAGAATAACGATGACGCGTCATTCGATGCCTGTACTTGACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATTCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGGTAAGCCGGTGGGGAAAGTTTGGGGCTCAACTGTAAAATGCAGTGGATACTGTCAGTCTTGAGTACAGAAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU1261;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Erysipelotrichia(0.4812),o:Erysipelotrichales(0.2359),f:Erysipelotrichaceae(0.1098),g:Turicibacter(0.0204);
ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCTGGCCGAGCAACGCCGCGTGAATGATGAAGGCCTTCGGGTTGTAAAATTCTGTTATAAGGGAAGAACGACTTTAGTAGGAAATGGCTAGAGTGTGACGGTACCTTATGAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGAAGGCAAGTCAGAGGTGAAAACCACGGGCTCAACCTGTGTCCTGCATTTGAAACTGTTTTTCTTGAGTACTGGAGAGGCAGATGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATACGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACAATAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1264;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Lachnospiraceae(0.1485),g:Clostridium_XlVa(0.0326);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAACATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGAAGACAAGTTGGAAGTGAAATCCATGGGCTCAACCCATGAACTGCATTTGAAACTGTTTTTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU1263;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Bacilli(0.2902),o:Bacillales(0.1249),f:Paenibacillaceae_1(0.0457),g:Paenibacillus(0.0087);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGGTTTCGGCTCGTAAACCTCTGTCCTATGGGACGGAGGAAGTGACGGTACCATAGGAGGAAGCCCCGGCTAACTACGTGCCGGCAGCCGCGGTAATACGTAGAGGGCGAGCGTTGTCCGGGATGATTGGGCGTAACGGGCGCGTAGGCGGCCTGGTAAGTCTGGAGTGAAAGTACTGGTGTTAAGGTGGGAATTGCTTTGGATACTGCTGGGCTTGAGTGCAGGAGAGGAAAGCGGAATTACCGGTGTAGCGGTGAAATGCGTAGAGATCGGTAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACGGAAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1265;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8808),c:"Bacteroidia"(0.4428),o:"Bacteroidales"(0.2039),f:"Porphyromonadaceae"(0.0710),g:Parabacteroides(0.0110);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGATGACGGTCCTACGGATTGTAAACCTCTTTTGTCGGGGAGTAACGTGCGGGACGGGTCCCGTATTGAGAGTACCCGAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCGGCTTCGCAAGTCAGCGGTGAAAGGCCCGGGCCCAACCCGGAAAGTGCCGTTGATACTGTGAGGCTGGAATGCGGATGCTGTGGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCACACAGAACACCGATTGCGAAGGCATCTGACGAATCCGCTATTGACGCTGATGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU1266;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Clostridiaceae_1(0.3544),g:Clostridium_sensu_stricto(0.0808);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGTAACGCCGCGTGAGTGATGAAGGTCTTCGGATCGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGCAGGCGGAGAAGCAAGTCAGTGGTGAAAACGATGGGCTTAACCCATCGACTGCCATTGAAACTATCAAGCTAGAGTACAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGAAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1267;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Ruminococcaceae(0.0904),g:Anaerotruncus(0.0181);

CCGGGAGGCAGCAGTGTTTTCTCTTTCCCAATTTTCTCCAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGTTTTCGGATTGTAAACCTCTGTTCTAAGTGACGAAAAAATGACGGTAGCTTAGGAGAAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGAGAAGCAAGTCAGTGGTGAAAACGATGGGCTTAACCCATCGACTGCCATTGAAACGGTTTCCCTTGAGTGAGGTAGAGGCAGGCGGAATTCCGAGTGTAGCGGTGAAATGCGTGGATATTCGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1244;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Bacilli(0.9820),o:Lactobacillales(0.9685),f:Lactobacillaceae(0.9201),g:Lactobacillus(0.9566);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGCAGTAACTGGTCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGTAGGCGGAATGATAAGTCTGATGTGAAAGACTCCGGCTCAACCGGGGAACTGCATCTGAAACTGGCATTCTTGAGTGCAGAAGAGGAGAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGATATAAGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU1268;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Eubacteriaceae(0.1098),g:Eubacterium(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCAGCGTGAGGGAAGACGGTTTTCGGATTGTAAACTTCTGTCTTCGGTGACGAACAAATGACGGTAACCGAGTAGGAAGCCACGGCTAACTACGTGCAAGCAGCCGCGGTAATACGTAGGTGGAAAGCGATATCCGGAATTACGGGGTGTAAAGGGAGCGCAGGCGGGATAGCAAGTCAGCTGTGAAAACTATGGGCTCAACCCATAAACTGCATTTGAAACTGTTATTCTTGAGTCGAGTAGAGGCAAGCGGAATTCCGAGTGTAGCGGTGATATGCGTAGATATTCCGAGGAACACCAGTGTCTAAGGCGTCTTGCTGGGCTCCACCCGACGCTTAGGCTCGAAAGTGTGGCGAGCCAACAGGATTAGATACCCTGGTA
>OTU1269;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Ruminococcaceae(0.0457),g:Clostridium_III(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGACGGTTTTCAGATTGTAAACCTCTGTTCTAAGTGACGAAGAATGACGGTAGCTTAGGAGGAAGCCACGGCTAACTACGCGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCTGATAAGTCTGGAGTGAAAGTCCTGCTGTCAAGGTGGGAATTGCTTTGGATACTGTCGGGCTTGAGTGCAGGAGAGGAAAGCGGAATTACCGGTGTAGCGGTGAAATGCGTAGAGATCGGTAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGAAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1270;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:"Bacteroidia"(0.0726),o:"Bacteroidales"(0.0473),f:Marinilabiliaceae(0.0113),g:Mangroviflexus(0.0056);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCATGCCGCGTGCAGGAAGAAGGTCCTATGGATTGTAAACTGCTTTTTTCGGGGAATAATAAGACTTTTGCGACGATTGATGCAGGTACCCGAAGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATCCGGAGGATTCGAGCGTTATCCGGATTTATTGGGTTTAACGGGTGCGTAGGCGGTTAGATAAGTTTGTGGGTAAAGGCTGCGGCTCAACAGGAGTTTGCCTTGAAAACTGTCTGACTAGAATGTAGACGGCGCAGGCGGAATTAATCATGTAGCGGTGACATGCATAGATATGATTCAGAACACCGATCGCGAAGGCAGCTTGCGAGGATACGATTGACGCTGAAGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU1271;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Eubacteriaceae(0.1291),g:Eubacterium(0.0230);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTATGTATACTGTTTTGTATGTATTATATGAATAAGGATCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGTAAGTCTGATGTGAAAACCAGGGGCTCAACCCCGGGACTGCATTGGAAACTATGCGGCTAGAGTGTCGGAGAGGTAAGTGGAATTCTTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1272;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Bacilli(0.6730),o:Lactobacillales(0.3959),f:Lactobacillaceae(0.2184),g:Lactobacillus(0.0615);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAACTCTGTTGTTGAAGAAGAACGTACGTGAGAGTAACTGTTCACGCAGTGACGGTATTCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTCATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGTATCAAGTCTGATGTGAAAGGCCGGGGCTCAACTCCTGGACTGCATTGGAAACTGGTATGCTTGAGTGCCGGAGGGGTAAGCGGAATTCCTAGTTTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGGCTGGGACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1273;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Lachnospiraceae(0.3204),g:Clostridium_XlVa(0.0808);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGTTCTTTCGACAGGGAAGACTGTGCATATTAGTAACTGAGTATGCAGTGACGGTACCTGTATAAGCAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGCGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGATGTAAGTCTGGAGTGAAAGCCCAGGGCTCAACCCTGGGACTGATTTGGAAACTGTATGGCTAGAGTGCTGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACAGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1274;tax=d:Bacteria(0.0024),p:"Proteobacteria"(0.0000),c:Gammaproteobacteria(0.0000),o:"Enterobacteriales"(0.0000),f:Enterobacteriaceae(0.0000),g:Salmonella(0.0000);
AAATTGTTCCAAGTATCGGCAACCGCTTTATCAATACCATGACCAATATCCACCACCCCCGCAGCAGCATCAGTGACGACATTAGAAATATCCTTTGCAGTAGCGCCAATATGAGAAGAGCCATACCGCTGATTCTGCGTTTGCTGATGAACTAAGTCAACCTCACCACTAACCTTGCGAGTCATTTCTTTGATTTGGTCATTGGTAAAATACTGACCAGCCGTTTGAGCTTGAGTAAGCATTTGGCGCATAAGCTCGGAAACCTGCTGTTGCTTGGAAAGATTGGTGGTTTCCATAAGAGACGAAACGCGAGCAGGAGACTCCTGCGGTTGATAAGAAAGAATCTCATTTTGTGCATATAGCTGGTCTTTCGTATTCTGGCGTGAAGTCG
>OTU1275;tax=d:Bacteria(1.0000),p:Firmicutes(0.9994),c:Bacilli(0.9897),o:Lactobacillales(0.9937),f:Lactobacillaceae(0.9201),g:Lactobacillus(0.6200);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTGGGGAAGAACGTGCGTGAGCCTAACTGTTCACGCCGTGCCGGTATCCAACCAGAAAGTCCCGGCTAACTACGTGCCCGCAGCCGCTGTAATACTTCGGTGTCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTGCTTAGGTCTGATGTGAAAGCCTTGGGATTAACCGAAGAAGTGCATCGGAAACCGGGCGA

CTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGC
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>OTU1277;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9572),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.3
959),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0615);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGT
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AGTGCGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAG
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>OTU1276;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9507),c:"Bacteroidia"(0.6346),o:"Bacteroidales"(0.3
639),f:"Prevotellaceae"(0.1291),g:Prevotella(0.0204);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGAGGGATGACTGC
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>OTU1278;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Clostri
diaceae_1(0.0560),g:Caloramator(0.0134);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGC
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>OTU1281;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9990),c:Epsilonproteobacteria(0.9719),o:Campylob
acterales(0.8520),f:Campylobacteraceae(0.7068),g:Campylobacter(0.5720);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACGCAGCAACGCCGCGTGGGGGATGACACT
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>OTU1280;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9776),o:Clostridiales(0.9685),f:Clostri
diaceae_1(0.7787),g:Clostridium_sensu_stricto(0.6681);
ACTTTATTCATCATTTTTTAATATTTCACAATTTTTTAAACCCTTATTCAGCAACTCCGCGTTAGTTATGAAGTTCTTCTG
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TGTGAAATACCCAGGCTCAACCTGGGGGCTGCATTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAGTGGAATT
CCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAACTGAC
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>OTU1279;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8189),o:Clostridiales(0.5395),f:Rumin
ococcaceae(0.1872),g:Intestinimonas(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGGTCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
CTTCGGGTTGTAAACTTCTTTTATCAGGGGCGAAGGAAGTGACGGTACCTGATGAATAAGCCACGGCTAACTACGTG
CCAGCAGCCGCGGTAATCCGTAGGTGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGAATG
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>OTU1284;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Clostridia(0.9827),o:Clostridiales(0.9821),f:Rumin
ococcaceae(0.9666),g:Pseudoflavonifractor(0.4351);
ACGGGAGGCAGCAGCCGCGGTAATCCGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGC
GGGACTGCAAGTCAGATGTGAAAACCAGGGGCTCAACCTCTGGCCTGCATTTGAAACTGTAGTTCTTGAGTGCTGGA
GAGGCAATCGGAATTCCGTGTGTAGCGGTGAAATGCGTAGATATACGGAGGAACACCAGTGGCGAAGGCGGATTGC
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>OTU1282;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6036),c:"Bacteroidia"(0.0626),o:"Bacteroidales"(0.0
413),f:"Porphyromonadaceae"(0.0099),g:Barnesiella(0.0046);
CCTTTCTTCCTCCGTTCTTCCTCTTTTCCCCTTTCTTCCACTCTGATCCAGCCATGCCGCGTGAAGGACTAAGGCCCTATG
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GCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGT
AGGCGGCTTCGCAAGTCAGCGGTGAAAGGCCCGGGCTCAACCAGGAAAGTGCCGTTGATACTGTGAGGCTGGAATG
CGGATGCTGTGGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCACTCAGAACACCGATGGCGAAGGCAT
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>OTU1283;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:Sphingobacteriia(0.1159),o:"Sphingobacteriales"(0.0547),f:Sphingobacteriaceae(0.0149),g:Parapedobacter(0.0066);
ACGGAAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATGCCGCGTGAAGGACTAAGGCCCTATGGGCTGTAAACTTCTTTAGACGCAGAGCAATAAGGGCCACGCGTGGCCCGATGAGAGTATGCGTAGAAGAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCGGCCTGTTAAGTCAGCGGTGAAATTTCCTCGCTCAACGAGGAAAGTGCCGTTGATACTGGTGGGCTGGAATGCGGATGCTGTGGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCACTCAGAACACCGATTGCGAAGGCATCTCACAAATCCGCTATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU1285;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Lachnospiraceae(0.0904),g:Blautia(0.0157);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGCCCTATGGGTTGTAAACTGCTTTCAGTCGGGAATAATTCGTCGGTCGTGACCGACGTTGCAGGTACCGTCATAAGAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTATGGCAAGTCTGATGTGAAAGGCTGGGGCTCAACCCCGGGACTGCATTGGAAACTGTCGAACTAGAGTGCCGGAGGGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1286;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9711),o:Clostridiales(0.8520),f:Ruminococcaceae(0.4563),g:Clostridium_IV(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTATAAGGGACGAAAGAAATGACGGTACCTTATGAATAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGAAGGCAAGTCAGATGTGAAAACTATGGGCGCAACCGATGAGCTTCATTTGAAACTGTTTTTCTTGAGTACTGTAGAGGAAGGCGGAATTCCGTGTGTAGCGGTGAAATGCGTAGATATACGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACTGCAACTGACGCTGAGGCGCGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA
>OTU1288;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Gracilibacteraceae(0.0560),g:Gracilibacter(0.0134);
ACGGAAGGCAGCAGTAGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACACCGCGTGAATGATGAAGGTCTTCGGATTGTAAAGTTCTGTGATGGGGGACGAAGAAAGTGACGGTACCCCAAGAGCAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGTACGTAGGTGGCTTTTCAAGTTGATAGTGAAATCCCGGGGCTTAACTCCGGTGCTACTGTCAAGACTGTTAAGCTCGAGTGCAGGAGGGGTAAGTGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTACTGGACTGTAACTGACACTGAAGTACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1290;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Ruminococcaceae(0.3204),g:Papillibacter(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGTGTGAAGGAAGAAGGCCTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGACGTGACGGTACCTGGAGAAAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGTCGGCAAGTCAGATGTGAAATCCACGGGCTTAACTCGTGAACTGCATTTGAAACTGTTGATCTTGAGTATCGGAGAGGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACAGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1289;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Ruminococcaceae(0.2864),g:Sporobacter(0.0423);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAAGCCTGACCCAGCGACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGGACGTGACGGTACCTGAGAAAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGAAGCAAGTCAGAAGTGAAATCCATGGGCTTAACCCATGAACTGCTTTTGAAACTGTTTCCCTTGAGTATCGGAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1292;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Clostridia(0.9834),o:Clostridiales(0.9866),f:Clostridiaceae_1(0.9294),g:Clostridium_sensu_stricto(0.8605);
CCTTCCTTCCTCCTTTTTTCCTATTGCCACCTGGTGGACACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAAGTGAGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCATTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAATGGAATTCCTAGTTTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1287;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Eubacteriaceae(0.3884),g:Eubacterium(0.1735);
ACGGAAGGCAGCAGTGGGGAATATTGCACAGTGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAGGGAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAGAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGCAGGATAAGTCTGATGTGAAAACCCGGGGCTCAACCCCGGGAGTGAATTGGAAACTGTTCAGCTGGAGTGTCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATGACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1291;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:"Bacteroidia"(0.4045),o:"Bacteroidales"(0.1719),f:"Porphyromonadaceae"(0.0710),g:Butyricimonas(0.0157);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGTCTTCGGATCGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGCGCGCCAAGTCAGCGGTCAAAGTTCCGGGCTCAACCCGGTGTCGCCGTTGAAACTGGCGCCCTGGAGACGAGACGAGGGAGGCGGAACAAGTGAAGTAGCGGTGAAATGCATAGATATCACTTGGAACCCCGATAGCGAAGGCAGCTTCCCAGGCTCGTTCTGACGCTGATGCGCGAGAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU1293;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Ruminococcaceae(0.1291),g:Saccharofermentans(0.0181);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGACGGCCTTCGGATTGTAAACCTCTTTCAGCAGGGAAGACAAAACGACGGTACCTGCAGAAGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGTGTAGGCGGGACTGCAAGTCAGATGTGAAATCCACGGGCTTAACTCGTGAACTGCATTTGAAACTGTTGATCTTGAGTATCGGAGAGGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGT

>OTU1295;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9988),c:Deltaproteobacteria(0.9740),o:Desulfovibrionales(0.9172),f:Desulfovibrionaceae(0.8146),g:Desulfovibrio(0.6681);

ACGGGAGGCAGCAGTGAGGAATATTGCGCAATGGGCGAAAGCCTGACCCAGCGACGTCGCGTGAGGGATGAAGGTCCTCGGATCGTAAACCTCTGTCAGTAGGGGAGAAACTAGGGTGCTCTAATCATCATCCTACTGACGGTACCTTCAAAGGTAGCACCGGCCCACTCCGTGCCAGCAGCCGCGGTAATACGGACGGTGCAAGCGTTAATCGGAATCACTGGGCGTAAAGCGCACGTAGGCTGTTATGTAAGTCAGCGGTGAAAGCCAGCGGCTCAACCGTGGAACTGCCCTTGATACTGCATGACTTGAATCCGGGAGAGGGTGGCGGAATGCCAGGTGTAGGAGTGAAATCCGTAGATATCTGGAGGAACATCAGTGGCGAAGGCGGCCACCCGGACCGGTATTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1294;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8189),o:Clostridiales(0.5395),f:Ruminococcaceae(0.2524),g:Papillibacter(0.0230);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGTAAACTTCTTTTACTAGGGACGTAGGATGTGACGGTTCTTGGAGAAAAAGCAACGGCTATCTACGTGCCAGCAGCCGCGGTAATCCGTAGGTTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGATGCAAGTTGGGCGTGAAATCCATGGGCTTAACCCATGAACTGCATTTGAAACTGTTTCCCTTGAGTATCGGAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1297;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:Sphingobacteriia(0.1740),o:"Sphingobacteriales"(0.0781),f:Sphingobacteriaceae(0.0252),g:Parapedobacter(0.0076);

ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCTGAACCAGCCATGCCGCGTGAAGGACGAAGGC
CCTATGGGCTGTAAACTTCTTTAGACGCAGAGCAATAAGGGCTACGCGTAGTCCGATGAGAGTATGTGTAGAATAAG
CATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGG
TGCGTAGGCGGATTCGCAAGTCAGCTGTGAAAGTCCCGGGCGCAACCCGAAAAGTGCCGTTGATACTGTGAGGCTG
GAATGCAGATGCTGTGGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCACTCAGAACACCGATTGCGAA
GGCATCTTGCAAATCCGCAATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU1296;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Ruminococcaceae(0.2524),g:Intestinimonas(0.0326);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
CTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGACGTGACGGTACCTGGAGAAAAAGCCACGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGAGAGC
AAGTCAGATGTGGAATCCTATGGCTTAACCATAGAACTGCATTTGAAACTGTTACTCTAGAGTATGGGAGAGGTAGG
TGGAATTCCCGGTGTAGAGGTGAAATTCGTAGATATCGGGAGGAACACCAGTGGCGATGGCGGTTTACTGGACGAT
TACTGACGCTGAGACACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1298;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9747),o:Clostridiales(0.9172),f:Ruminococcaceae(0.7787),g:Faecalibacterium(0.4351);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGAGGAAGAAGGT
CTTCGGATTGTAAACTCCTGTTGTTGAGGAAGATAATGACGGTACTCAACAAGGAAGTGACGGCTAACTACGTGCCA
GCAGCCGCGGTAAAACGTAGGTCACAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGTGTGTAGGCGGGGGATCAA
GTCAGATGTGAAAATCATGGGCTGAACTCATGACTTGCATTTGAAACTGATCTTCTTGAGTGTGGGAGAGGTAAATG
GAATTCCCGGTGTAGCGGTGGAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGGCACCAA
CTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU1299;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Lachnospiraceae(0.6350),g:Lachnospiracea_incertae_sedis(0.3043);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGAAGAAGTA
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GCAGCCGCGGTACAACGTACGGAGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGTGGCTGGGCAA
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>OTU1300;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Eubacteriaceae(0.0710),g:Eubacterium(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGAAGGCCCTTGGGTCGTAAACTTCTGTTCTTAGGGAAGAAAAGGACTGTACCTTAGGAGCTAGTCCCGGCTAACTACGTGCCAGCCGCCGCGGTAATACGCCGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTACGTAGGTGGCTACCTAAGCACGGGGTTTAAGGCTACGGCTTAACCATAGGTCGCCTTGTGAACTGGGCTGCTTGAGTGGAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCGGCTGTCTGGACTGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1303;tax=d:Bacteria(1.0000),p:Firmicutes(0.3448),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Clostridiaceae_1(0.0149),g:Clostridium_sensu_stricto(0.0066);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCCGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTTTCGCAGAGGACGAAGGACGTGACGGTAATCTGTGAGGAAGCCCCGTCTAACTACGTGCTAGCAGCCGCGTTAATACGTAGGGGGCGCGCGTTGTCCGGAAATACTGGGCGTAAAGGGAGGGTAGGCGGTTAATTAAGTTAGATGTGAAATACCCGGGCTTAACCTGGGAGGTGCATCTGATACTGGTTAACTAGAGTACAGGAGAGGAAGGCGGAATTCCTGGTGTAGCGGTGAAATGCATAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTTCTGGACTGACACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1302;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Ruminococcaceae(0.1872),g:Clostridium_III(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGGACGTGACGGTACCTGGAGAAAAAGCAACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGGAGCAAGTCAGATGTGAAATCCCGGGGCTTAACTTGGGGACTGCATCTAATACTGGTTGACTTAGAGTACAGGAGAGGTAGATGGAATTCCTTGTGTAACGGTGAAATGCGTAGATATAAGGAAGAACACCAGTGGCGAAGGCGATCTACTGGACAGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1301;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Ruminococcaceae(0.1485),g:Ruminococcus(0.0204);
ACGGAAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGTCTTCGGATTGTAAAGTTCTTTTATTAAGGACGAAGAAGTGACGGTACTTAATGAATAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCTGTAAGTCAAGTCAGCGGTGAAAAGTCGGGGTTAAACCTTGAGGGTGCCGTTGAAACTGATTTACTAGAATGTGGATGATGCCGGCGGAATGTGTCAAGTAGCGGTGAAATGCATAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGAATTAGATACCCTGGTA

>OTU1307;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Ruminococcaceae(0.4914),g:Ruminococcus(0.2607);

ACGGAAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAATGAAGACGGTCTTCGGATTGTAAACTTCTTTTATTAAGGACGAACAATGCCGTTACTTAATGAATAAGCTCCGGCTACCTACGTGCCAGCAGCCGCGGTAATACGTAGTGAGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCTTGATAAGTCAGATGTGAAATGTCTGGGCTCAACCCAGGCACTGCATTTGAAACTGTTGAGCTTGAGTGAAGGAGAGGTAGGCGGAATTCCCAGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGGCTGTAACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU1306;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Eubacteriaceae(0.3544),g:Eubacterium(0.1299);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTATTGGGCGTAAAGCGTACGTAGGTGGTTACCTAAGCAGGGGGTTTAAGGCAATGGCTTAACCATTGTTCGCCCCCTGAACTGGGCTACTTGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCGGCTCTCTGGACTGTGACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1305;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Ruminococcaceae(0.1098),g:Saccharofermentans(0.0134);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTCTTCGGATTGTAAACCTCTTTTATGAGGGACGAAGGTCGTGACGGTACCTCATGAATAAGCGACGGCTAACTACGTGCCAGCCGCCGTGGTAATGCGTAGGCGGCAATCGTTGTACGGATGTACTGGGTGTAAAGGGCGCGTAGGCGGGATGGCAAGTCAGATGTGAAATCCAGGGGCTCAACCCATGAATTGCATTTAAAACTGTCGTTCTTGAGTATCGGAGAGGCAAGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTGCTGGACGGCAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1309;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Bacilli(0.7497),o:Lactobacillales(0.4652),f:Lactobacillaceae(0.2864),g:Lactobacillus(0.0808);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGCTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGGAGTGAAAGGCTACGGCTTAACCGTAGTAAGCTCTTGAAACTGGGGAACTTGAGTGCAGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1310;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Rumin
ococcaceae(0.0710),g:Clostridium_III(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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diaceae_1(0.2184),g:Clostridium_sensu_stricto(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGGC
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ococcaceae(0.2184),g:Intestinimonas(0.0519);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCCGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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>OTU1311;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6036),c:"Bacteroidia"(0.3483),o:"Bacteroidales"(0.1
483),f:"Prevotellaceae"(0.0252),g:Paraprevotella(0.0076);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGAGGGAAGACTGC
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>OTU1312;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Erysipelotrichia(0.7881),o:Erysipelotrichales(0.5023),f:Erysipelotrichaceae(0.3204),g:Turicibacter(0.0904);

ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGAATGATGAAGGCCTTCGGGTTGTAAAATTCTGTTATAAGGGAAGAACGACTTTAGTAGGAAATGGCTAGAGTGTGACGGTACCTTATGAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGCGTAGGCGGCACCGCAAGTCAGTTGTGAAACCCATGGGCTCAACCCATGGCTTGCAATTGAAACTGCGGAGCTGGAGTACAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTTACTGACACTGAGGCACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1313;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Ruminococcaceae(0.1485),g:Clostridium_III(0.0157);

ACGGGAGGCAGCAGTGGGGAACATTGGGCAATGGGGGAAACTCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCCTCTGGTTGTAAACTTCTTTTACCAGGGACGAAGGACGTGACGGTACCTGGAGATAAAGCAACGGATAACTACGTGCCAGCAGCAGCGGTAATACGTAGGCCGCAATCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGCTGCAAGTCAGATGTGAAATCCCGGGGCTTAACCCCGGAACTGCATTTGAAACTGTTCATCTTGAGTATCTGAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTGCTGGACGACAACTGCCGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1315;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Clostridiales_Incertae_Sedis_XIII(0.0457),g:Mogibacterium(0.0110);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCCGATGCAGCAACGCCGCGTGAAGGAAGAAGGCCTTTGGGTCGTAAACTTCTGTTCTAAGGGAAGAAAAGGACTGTACCTTAGGAGCAAGTCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTACGTAGGTGGCTACCTAAGCACGAGGTTTAAGGCTATGGCATAACCAGAGTTGGCCTTGTGAACGGGGCTGCTGGAGTGGAGGAGAGGAAGGCGGAATTCCTAGTGGAGCGGGGAAATGCGTAGATATTAGGAGGAAAACCAGGGGGGAAGGCGCTTTCTGGACTGTAACTGACACTGAGGTACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1314;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9994),c:"Bacteroidia"(0.9791),o:"Bacteroidales"(0.9730),f:Bacteroidaceae(0.9108),g:Bacteroides(0.9085);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTCAGTATACTGTTTTGTATGTATTATATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAAGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGGTAAGTCAGGTGTGAAAGTTTGCGGCTCAACCGTAAAGTGCAGTTGATACTGTCAGTCTTGAGTAGAGTAGAAGTGGGCGGAATTCGTGGTGTTGCGGTGAAATGCTTAGATAACACGAAAAACTCCGATTGCGAAGGCGGCTCACTGGACTGCAACTGACACTGATGCTCGAAAATGGTGGTATCAAACAGGATTAGATACCCTGGTA

>OTU1316;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.5195),o:Clostridiales(0.2359),f:Peptococcaceae_2(0.0710),g:Desulfotomaculum(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCCGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCCTCAAGGACGAAGGAAGTGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGTGTAGGCGGCCGATTAAGTGTGGAGTGAAAGTCCACTTTTCAAGGGTGGAATTGCTTTGCAGACTGGTTGGCTTGAGTGCGGAAGAGGTAAGTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGACAGCTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1319;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.8448),c:Alphaproteobacteria(0.5195),o:Rhodospirillales(0.2039),f:Rhodospirillaceae(0.0904),g:Novispirillum(0.0134);
ACGGAAGGCAGCAGTTGGGAATATTGGACAATGGGGGGGACCCTGATCCAGCCATGCCGCGTGAGTGAAGAAGGCCTTCGGGTTGTAAAGCTCTTTTATAGGGGGAGATGATGACGGTACCCTATGAATAAGCACCGGCTAACTTCGTGCCAGCAGCCGCGGTAATACGAAGGGTGCTAGCGTTGTTCGGAATTACTGGGCGTAAAGGGCATGTAGGTTGTGCGATAAGTTAGTGGTGAAATCCCGGGGCTTAACCTCGGAATTGCCATTGATACTGTTGCGCTAGAGTATAGGAGAGGATAGCGGAATACCCAGTGTAGAGGTGAAATTTGTAGATATTGGGTAGAACACCGGAAGCGAAGGCGGCTATCTGGTCTATTACTGACGCTGATATGCGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA
>OTU1318;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachnospiraceae(0.3544),g:Blautia(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTATCTCGGTATGTAAACTTCTATCAGCAGGGAAGAATTAGGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGTGTAAAGGGTGCGTAGGCGGTCAAGTAAGTCAGGCGTGTAATTCAGGGGCTTAACCCCTGGACGGCGCTTGAAACTGCATTGCTTGAGTGAAGTAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATAGTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1317;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.8048),o:Clostridiales(0.5023),f:Ruminococcaceae(0.2184),g:Clostridium_III(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCCGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGTAAACTTCTTTTACCAGGGACGGAGGACGTGACTGTACCTGGAGAAAAATCTACGGCTACCTACTTGCCAGCAGCCGCCTTACTACGTAGGTTGCACGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGATGCAAGTCAGGAGTGAAATCCCGGGGCTTAACCGCGGAGCGGCTTTGGAAACTGGATGACTTGAGTGTAGGAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGATAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1320;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7497),o:Clostridiales(0.3959),f:Ruminococcaceae(0.1485),g:Intestinimonas(0.0181);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGGACGTGACGGTACCTGGAGAAAAAGCAACGGCTAACTACGTGCCAGCAGCCGAGGTCATACGTAGGGCGCAGGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGATGCAAGTTAGGAGTGAAATCCCAGGGCTCAACCCCGGAACTGCTTTCGATACTGTATCCCTTGAGTGTCGGAGAGGCCAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGCAGAACACCAGTGGCGAAGGCGGCTTGCTGGACGGCAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1322;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8628),c:Sphingobacteriia(0.2902),o:"Sphingobacteriales"(0.1249),f:Sphingobacteriaceae(0.0457),g:Parapedobacter(0.0110);

ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATGCCGCGTGAAGGACTAAGGCCCTATGGGCTGTAAACTTCTTTAGACGCAGAGCAATAAGGGCCACGTGTGGTCCGATGAGAGTATGCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGATTATTAAGTCAGCGGTGAAAGCGTGTGGCTCAACCATACAGTTGCCGTTGATACTGGTAGTCTTGAGTGTAAACGAGGTAGGCGGAATGTGATGTGTAGCGGTGAAATGCATAGATATCACACAGAACACCGGTTGCGAAGGCATCTGACGAATCCGCGATTGACGCTGATGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU1321;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.5174),c:"Bacteroidia"(0.2902),o:"Bacteroidales"(0.1249),f:Bacteroidaceae(0.0457),g:Bacteroides(0.0110);

ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGTAACGCCGCGTGAACGATGAAGGTCTTCGGATTGTAAAGTTCTTTTATTAAGGACGAAGAAGTGACGGTACTTAATGAATAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTTACTGGGTTTAAAGGGAGCGTAGGCCGGAGATTAAGCGTGTTGTGAAATGTAGATGCTCAACATCTGCACTGCAGCGCGAACTGGTTTCCTTGAGTACAGTAGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTTGCTGGACTGTAACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU1324;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Ruminococcaceae(0.2524),g:Oscillibacter(0.0326);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGCTCTCGGGTCGTAAACTTCTTTTACCAGGGACGAAGGATGTGACGGTGCCTGGAGAAAAAGCAACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGCGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGCTGCAAGTCAGATGTGAAATCCCGAGGCTTAACCTTGGAACTGCATTTGAAACTGTTGGTATTGAGTATCGGAGAGGTCATCGGAATTCCTTGTGGTGCGGGGGAATGCGTTGGTATAAAGAAGAACACCAGTGGCGAAGGCGGATGACTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU1323;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Rumin
ococcaceae(0.1872),g:Papillibacter(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGGTCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
CTTCGGGTTGGAAACTTCTTTTACCAGGGACGAAGTACGTTACGGTACATGGAGAAAAAGCAACGGCGAACTACGTG
CCAGCAGCCGCGGTAATACGTCGGTTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGATG
CAAGTTGGGCGTGAAAACCATGGGCTCAACCCGTGAACTGCTTGCAAAACTGTATCCCTTGAGTATCGGAGAGGCAA
GCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACCACAGTGGCGAAGGCCGCTTGCTGGACGA
CAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1325;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:"Bacteroidia"(0.0726),o:"Bacteroidales"(0.0
473),f:"Porphyromonadaceae"(0.0113),g:Barnesiella(0.0056);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATGCCGCGTGAAGGACTAAGGCT
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CATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGTGAGCGTTATCCGGATTCATTGGGTTTAAAGGG
TGCGTAGGCGGCTGTGCAAGTCAGCGGTGAAAGGCCCGGGCTCAACCCGGAAAGTGCCGTGGATACTGTGAGGCTG
GAATGCGGATGCTGTGAGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCGCTCAGAACACCGATTGCGAA
GGCATCTCACAAATCCGCAATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU1327;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.9
280),f:"Prevotellaceae"(0.8505),g:Prevotella(0.3479);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTATGGGTTGTAAACTGCTTTTATGTGGGGATAAAGTTCGGGACGTGTCCTGATTTGCAGGTACCACATGAATAAGG
ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCCGGAGATTAAGCGTGTTGTGAAATGTAGGCGCTCAACGTCTGCACTGCAGCGCGAACTGGTTTCCTTGA
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>OTU1326;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Lachn
ospiraceae(0.0355),g:Clostridium_XlVb(0.0087);
ACTTCAGGCCTCAGTTTTGACTCTTGTGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTTT
TCGGATTGTAAACCTCTGTCGCAGAAGACGAAGGAAGTGACGGTAATCTGTGAGGAAGCCCCGGCTAACTACGTGCC
AGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGAGCGTAGGCGGTTAATTA
AGTTAGATGTGAAATACCCGGGCTTAACTTGGGGGGTGCATCTAATACTGGTAAACTAGAGTACAGGAGAGGAAAG
TGGAATTCCTAGTGTAGCGGTGAAATGCATAGATATTAGGAGGAACATCGGTGGCGAAGGCGGCTTTCTGGACTGA
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>OTU1329;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Ruminococcaceae(0.2864),g:Ruminococcus(0.0712);
ACGGAAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGTCTTCGGATTGTAAAGTTCTTTTATTAAGGACGAAGAAGTGACGGTACTTAATGAATAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGTAGGTGGTAAGGCAAGCCAGAAGTGAAAGACCGGGGCTCAACCCCGAGGACTGCTTTTGGAACTGTCGAACTAGAGTGCAGGAGGGGCAAGCGGACTTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTAACTGACGCTGAGGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU1330;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9987),c:Betaproteobacteria(0.8614),o:Burkholderiales(0.6509),f:Comamonadaceae(0.4224),g:Schlegelella(0.1735);
ACGGGAGGCAGCAGTGGGGAATTTTGGACAATGGGGGCAACCCTGATCCAGCCATGCCGCGTGCGGGAAGAAGGCCTTCGGGTTGTAAACCGCTTTTGTCAGGGACGAAAAGCTCCGGAGTAATATGCCGGAGTGCTGACGGTACCTGAAGAATAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCGAGCGTTAATCGGAATTACTGGGCGTAAAGCGTGCGCAGGCGGTTGGGTAAGACAGATGTGAAATCCCCGGGCTTAACCTGGGAACTGCATTTGTGACTGTCCGACTGGAGTACGTCAGAGGGGGGTGGAATTCCACGTGTAGCAGTGAAATGCGTAGATATGTGGAGGAACACCGATGGCGAAGGCAGCCCCCTGGGACGCAACTGACGCTCATGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1328;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Ruminococcaceae(0.0252),g:Clostridium_III(0.0066);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTTTTAAACCCTGTCGCAGAAGACGCAGGAAGTGACGGTCGTCTGTGAGGAAGCCCCGGCTAACTACGAGCCAGCAGCCGACGTAGTACGTACGGCGCAAGCGTTATCCGGATTGACTGGGTGTAAAGGGTGCGTAGGCGGGGATGCAAGTCAGATGTGAAATCTATGGGCTTAACCCATAAACTGCCTTTGAAACTGTATCTCTTGAGTGCGGGAGAGGTAGATGGAATTACTGGTGTAGCGGTGAAATGCGTAGATATCAGGAAGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGTACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1331;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8808),c:Flavobacteriia(0.2902),o:"Flavobacteriales"(0.1249),f:Flavobacteriaceae(0.0457),g:Ornithobacterium(0.0110);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGATGGAAATCTGATCCAGCCATGCCGCGTGCAGGAAGGCGGTCCTATGGATTGTAAACTGCTTTTATATGGGAGCAATAATTTCTACGTGCTAGGGAGATGAGAGTACCATATGAATCAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCTGTAATTTAAGTCAGTGGTGAAATGTACGGGCTTAACCGGTGATATGCCATTGATACTGGATTGCTGGAATACGGATGCGGTATGCGGAATGTGTAGTGTAGCGGTGAAATGCATAGATATTACACAGAACACCGATTGCGAAGGCAGCATACCAAGGCGGGATTGACGCTGAAGCACGAAAGTGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU1332;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9474),c:Deltaproteobacteria(0.5963),o:Desulfovibrionales(0.3319),f:Desulfovibrionaceae(0.1679),g:Desulfovibrio(0.0423);
GTGTCAGCCGCCGCGGTAATACGGAAGGTGCGAGCGTTAATCGGAATCACTGGGCGTAAAGCGTGCGTAGGCGGCGTATCAAGTCAGGCGTGAAAGCCCTCGGCTCAACCGGGGAATTGCGCTTGAAACTGGTATGCTAGAGTCTCGGAGAGGTTGGCGGAATTCCAGGTGTAGGAGTGAAATCCGTAGATATTGGGAGGAACACCAGAGGCGAAGGCGGCCACCTGGACTAGATCTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTAGTCCACGCCGTAAACGATGAGTGCTAGTTGTCGGGACTTCGGTTTCGGTGACGCAGCTAACGCATTAAGCACTCCGCCTGGGGAGTACGGTCGCAAGATTAAAACTCAAATGAATTGGCGGGG
>OTU1336;tax=d:Bacteria(0.0014),p:"Bacteroidetes"(0.0000),c:Sphingobacteriia(0.0000),o:"Sphingobacteriales"(0.0000),f:"Cyclobacteriaceae"(0.0000),g:Fontibacter(0.0000);
GCCTACTGCGACTAAAGAGATTCAGTACCTTAACGCTAAAGGTGCTTTGACTTATACCGAGATTGCTGGCGACCCTGTTTTGTATGGCAACTTGCCGCCGCGTGAAATTTCTATGAAGGATGTTTTCAGTTCCGGCGATTCGCCTAAGAAGAGTAAGATTGCTGAGGGTCAGTGGTATCGTTATGTGCCTTCGTATGTTTCTCATGCTTATCACCTTCTTGAAGGCTTCCCATTCATTCAGGAACCGCCTTCTGGTGATTTGCAAGAACGCGTTCTTATTCGCCACCATGATTATGCCCGGTGTTTCCAGTCCGTTCAGTTGTTGCAGTGGAATAGTCAGGTTAAATGTAGTGTGACCAGTTATCGCAATCTGCCGACCACTCGCGATTCAATCATGACTTCGAGATAGTAGATTGAGTGTGAGGTTATAACGCCGAAGC
>OTU1334;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.6730),o:Clostridiales(0.3639),f:Ruminococcaceae(0.1485),g:Intestinimonas(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGGAGGCCTTCGGTTTGTAAACTTCTTTTACCAGGGACGAAGGACGTGACGGTACCTGGAGAAAAAGCAACGGCTAACTACGTGCCAGCAGCCGCGGTAATCCGTAGTTTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGATGCAAGTCGGGAGTGAAATCCATGGGCTCAACTCATGAACTGCTTTCGAAACTGTAGCACTTGAGTATCGGAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATGTGAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGCA
>OTU1338;tax=d:Bacteria(0.0024),p:"Chloroflexi"(0.0000),c:Chloroflexia(0.0000),o:"Chloroflexales"(0.0000),f:Chloroflexaceae(0.0000),g:Chloroflexus(0.0000);
ATTTTATTGGTCTCAGGGTTACTCGTGCCAAGAAACGCGGCATGGTCCCTATAACCAGTCGTGTTACCAGTCGGGCGCGGAGTGGCATTACCACCATCCTTCATGAACTTAATCCACTGTTCACCATAAACGTGACGATGAGGGACATAAAAAGTAAAAATGTCTACAGTAGAGTCAATAGCAAGGCCACGACGCAATGGAGAAAGACGGAGAGCGCCAACGGCGTCCATCTCGAAGGAGTCGCCAGCGAGAACCGGAGTAGTTGAAAGGGTAATAAGACGACCAATCTGACCAGCAAGGAAGCCAAGATGGGAAAGGTCATGCGGCATACGCTCGGCGCCAGGTTGAATA
>OTU1333;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Ruminococcaceae(0.1098),g:Clostridium_III(0.0204);

ACGGAAGGCAGCAGGGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGG
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TGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGCGCGTAGGCGGGTT
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>OTU1337;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Rumin
ococcaceae(0.1872),g:Sporobacter(0.0181);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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GCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGA
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eraceae(0.0000),g:Nitrososphaera(0.0000);
TTTTAGTCCGCTCTTTTTGATTCTCCCATCCGGCGTCAACCATCCCAGCAGCGGAAGCCTCCGCACCAGCACGCTCCCA
CGCATTCAGCTCAGGAAATGCAGCAGCAAGATAATCACGAGTATCCTTTCCTTTATCAGCGGCAGACTTGCCACCAAG
TCCAACCAAATCAAGCAACTTATCAGAAACGGCAGAAGTGCCAGCCTGCAACGTACCTTCAAGAAGTCCTTTACCAGC
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>OTU1335;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Rumin
ococcaceae(0.2184),g:Clostridium_III(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGGTCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGCAGGAAGAAGGC
CCTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGGACGTGACGGTCCCTGGCGAAAACGCAACGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGTTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGCTG
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AGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCAGGACG
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>OTU1339;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9802),c:Alphaproteobacteria(0.9180),o:Sphingomo
nadales(0.4280),f:Sphingomonadaceae(0.2524),g:Novosphingobium(0.0712);
GTGCCAGCCGCCGCGGTAATACGGAGGGAGCTAGCGTTGTTCGGAATTACTGGGCGTAAAGCGCGCGTAGGCGGCT
TATAAAGTCAGAGGTGAAAGCCCGGGGCTCAACCCCGGAACTGCCTTTGAAACTAGTAGGCTAGAATCTTGGAGAG

GTCAGTGGAATTCCGAGTGTAGAGGTGAAATTCGTAGATATTCGGAAGAACACCAGTGGCGAAGGCGGCTCACTGG
CTCGATACTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGAGTAGATACCCTGGTAGTCCACGCCGTAAACG
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>OTU1341;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Clostri
diaceae_2(0.1291),g:Alkaliphilus(0.0230);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGAAGAAGGT
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CCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGTGCGTAGGTGGTTTCT
TAAGTCAGAGGTGAAAGGCTACGGCTCAACCGTAGTAAGCCTTTGAAACTGGGAAACTTGAGTGCAGGAGAGGAGA
GTGGAATTCCTAGTGTAGCGGTGAAGTGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACTG
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>OTU1342;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Rumin
ococcaceae(0.5632),g:Ruminococcus(0.3915);

ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGT
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ospiraceae(0.0457),g:Clostridium_XlVa(0.0110);
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diaceae_1(0.5632),g:Clostridium_sensu_stricto(0.3915);
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ospiraceae(0.1679),g:Clostridium_XlVa(0.0423);
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diaceae_1(0.1098),g:Clostridium_sensu_stricto(0.0204);
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ococcaceae(0.2864),g:Ruminococcus(0.0712);
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teriaceae(0.1679),g:Eubacterium(0.0423);
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ospiraceae(0.2864),g:Clostridium_XlVa(0.0808);
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ococcaceae(0.0149),g:Ruminococcus(0.0066);
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ospiraceae(0.1291),g:Dorea(0.0157);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAATGG
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ospiraceae(0.5273),g:Clostridium_XlVa(0.3043);
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ococcaceae(0.3544),g:Clostridium_IV(0.0808);
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ales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Parapedobacter(0.0056);
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ospiraceae(0.7787),g:Clostridium_XlVa(0.5239);
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5),f:Spirochaetaceae(0.3544),g:Treponema(0.0519);
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ospiraceae(0.5991),g:Clostridium_XlVa(0.2607);
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streptococcaceae(0.1872),g:Clostridium_XI(0.0519);
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280),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);
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497),f:"Prevotellaceae"(0.8146),g:Prevotella(0.4351);
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ospiraceae(0.3204),g:Clostridium_XlVa(0.0904);
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ionales(0.7995),f:Desulfovibrionaceae(0.4563),g:Desulfovibrio(0.2607);
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ales(0.9063),f:Comamonadaceae(0.8505),g:Hydrogenophaga(0.6681);
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843),f:Bacteroidaceae(0.9015),g:Bacteroides(0.8605);
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249),f:"Prevotellaceae"(0.0252),g:Prevotella(0.0076);
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412),f:Bacteroidaceae(0.5273),g:Bacteroides(0.3479);
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>OTU1398;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Eubac
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ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTA
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280),f:"Porphyromonadaceae"(0.6350),g:Parabacteroides(0.4787);
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diaceae_1(0.7068),g:Clostridium_sensu_stricto(0.4787);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
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ospiraceae(0.1679),g:Clostridium_XlVa(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAATCCTGATGCAGCGACGCCGCGTGAGGGAAGAAGTA
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623),f:"Prevotellaceae"(0.3544),g:Prevotella(0.0808);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTAGGCCTGAACCAGCCAAGTAGCGTGCAGGATGACTGC
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GTGACTGGAGTTCAGACGTGTGCTCTTCCGATCCCTTCATGAACTTAATCCACTGTTCACCATAAACGTGACGATGAG
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>OTU1405;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Ruminococcaceae(0.0457),g:Clostridium_IV(0.0110);

AAGGGAGGAAGAAGGGGGGAAGACGGGGAAAGGGGCGAAAGAATGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCGCAGAAGACGAAGGAAGTGACGGTATTCTGTGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGTTAATTAAGTTGGATGTGGAATTCCCGGGCTTAACTTGGGAGCTGCATTCAAAACTGGTTAACTAGAGTTCAGGAGAGGGAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTTCTGGACTGACACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1403;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Ruminococcaceae(0.6350),g:Faecalibacterium(0.0712);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAGGGAAGAAGGTCCTCGGATTGTAAACCTCTGTTGTCAGGGACGATAATGACGGTACCTGACGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAAAACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTATAAAGGGAGCGCAGGCGGGAAGGCAAGTTGGAAGTGAAATCTGTGGGCTCAACCCACAAATTGCTTTCAAAACTGTTTTTCTTGAGTGGTGTAGAGGCAGGCGGAATTCCCGGTGTAGCGGTGGAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGACCTACTGGGCACCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU1407;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Ruminococcaceae(0.1679),g:Clostridium_III(0.0181);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGCAGGAAGAAGGCCTTCGGGTTGTAAACTTCTTTTACTAGGGACGAAGGACGTGACGGTACTTGGAGAAAATGCAACGGCTAACTACGTGCCAGCAGCAGCGGTAATACGGAGGTTGCAGGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGTGTAGGCGGAGGAGCAAGTCAGATGTGAAATCCCGGGGCTTAACCGCGGAACTGCATTGGAAACTGGTTCTCTTGAGTGACGGAGAGGCAAGCGGAATTCGTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1410;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Ruminococcaceae(0.1872),g:Acetanaerobacterium(0.0230);

ACGGGAGGCAGCAGTGGGGGACATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGGGAAGACGGCCCTCTGGATTGTAAACCTCTGTCTTCGGGGACGAAAGAAGACTGTACCCGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGCAATACGCAGGTGGCAAGTGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGGCAGGCAAGTCAGGCGTGAAACATTTCGGCTCGACCGGTGTCTGCGCTTGAAACTGCAGGTCTTGAGTGAAGTAGGGGTTGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCAACTGGGCTTTTACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1409;tax=d:Bacteria(1.0000),p:Firmicutes(0.3448),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Ruminococcaceae(0.0113),g:Anaerobacterium(0.0056);
ACGGGAGGCAGCAGTCGGGAATATTGCGCAATGGAGGAAACTCTGACGCAGTGACGCCGCGTGCAGGAAGAAGGTTTTCGGATTGTAAACTTCTTTTGACAGGGAAGAAACAAGACAGTACCTGTAGAATAAGCACCTGCTAACCACATGCCAGCAGCCGCGGTAATACGCAGGGAGCGAGCGTCATCCGGATTTATTGGGTGTAAAGGGTGCGTAGACGGGAAGTCAAGTTAGTTGTGAAAGCCCTCGGCCTAACTGAGGAACTGCAGCTGAAACTGATTTTCTTGAGTACTGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTTCTGGACAGAAACTGACGTTGAGGCACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1411;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachnospiraceae(0.3544),g:Oribacterium(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGGTGAAGAAGTTTTTCGGAATGTAAAGCCCTATCAGCAGGGAAGATAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAATAGTAAGTCTGAAGTGAAATCATAGGGCTCAACCCTGTAATTGCTTTGGAAACTGTTGATCTTGAGTACCGGAGGGGCAGGCGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATCAGGAAGAACACCGGTGGCGAAGGCGGCCTGCTGGACGGCAACTGACGTTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU1408;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Clostridiales_Incertae_Sedis_XIII(0.1485),g:Mogibacterium(0.0326);
ACGGGAGGCAGCAGTAGGGAATCTTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAAGGATGAAGGCCTTCGGGTTGTAAACTTCTGTTCTTAGGGAAGAAGAAAGTGACGGTACCTAAGGAGAAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGTTTGGTAAGTTGGATGTGAAATACCCGGGCTTAACTTGGGGGCTGCATCCAATACTGTCGGACTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1413;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Lachnospiraceae(0.5273),g:Clostridium_XlVa(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGCATAGGTGGTGCGGCAAGTCAGAAGTGAAAGCCCGGGGCTCAACCCCGTGATGGGATTGAAACTACTTTTCTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGTTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU1412;tax=d:Bacteria(0.8696),p:"Bacteroidetes"(0.4311),c:"Bacteroidia"(0.0425),o:"Bacteroidales"(0.0291),f:Prolixibacteraceae(0.0073),g:Meniscus(0.0039);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGAGGCAACTCTGATCCAACCATGTAGCGTGAAGGACTAAGGCCCTATGGGTTGTAAACTTCTTTAGACGCAGAGTAATAAGGGCGACGTGTGGTCCGATGAGAGTATGTGTAGAATAAGCATCGGCTTACTTCGTGCCAGCAGCCGGGGTAATACGGGGGAGGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGAGCGTAGGCGGCTTTGCAAGTCTGCGGTGAAAGGCCGAGGCTCAACCCGGGAAGTGCCGTGGGTACTGTGAGGCTGGAATGCGGATGCTGTGGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCACTCAGAACTCCGATTGCGAAGGCATCTCACAAGTCCGCTATTGACGCTGAAGCACGAAGGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU1414;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Eubacteriaceae(0.0560),g:Anaerofustis(0.0134);

ACGGGAGGCAGCAGTGGGGAATATTGTACAATGGAGGAAACTCTGATCCAGCAACGCCGCGTGAGTGATGAAGGTTTTAGGATTGTAAGGCTCTGTCTTTGGGGACGAAGAAATGACGGTACCCAAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTTGGGGGCAAGCGTTGTCCGGAATTACTGGGCGTAAAGGGCACGCAGGCGGCTCGGTCAGTCAGATGTGAAAGTTTGCAGCTTAACTGTAAAAGTGCATTTGATACTGCCGGGCTTGAGTCTCGGAGAGGTAAGCGGAATTCCTAGTGTAGTAGTGAAATGCGTAGAGATTAGGAAGAACACCGGCGGCGAAGGCGGCTTACTGGACGAGTACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1418;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9871),o:Lactobacillales(0.9172),f:Lactobacillaceae(0.7787),g:Lactobacillus(0.5720);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAGAAAGTAACGGCTAATTACGTGATAGCAGCCGCGGTAATAAGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTAATGTTAAATCCCTCCGCTTAACCGACGAACTGCATCTGAAACTTTTTTTCTTTAATTCAGAAGAGTATAGTTTAACTCCATGTGTAGCAGTTTAATACGTAGATATATGTAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU1415;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Bacilli(0.9462),o:Bacillales(0.8520),f:Staphylococcaceae(0.5632),g:Staphylococcus(0.3479);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAGGAAGGCCTTCGGGTCGTAAACTTCTGTCCAAAGGGAAGAAGAATGACGGTACCTTTGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGCGCGCGTAGGCGGTTTCTTAAGTCTGATGTGAAAGCCCACGGCTCAACCGTGGAGGGTCATTGGAAACTGGGAAACTTGAGTACAGAAGAGGAAAGTGGAATTCCATGTGTAGCGGTGAAATGCGCAGAGATATGGAGGAACACCAGTGGCGAAGGCGACTTTCTGGTCTGTAACTGACGCTGATGTGCGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU1417;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Bacilli(0.9747),o:Lactobacillales(0.8955),f:Lactobacillaceae(0.7787),g:Lactobacillus(0.4787);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGGTTTCAGCTCGTAAAGCTCTGTTGGTAGTGAAGAAAGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATTACTTTGAAAGTAACGGCTAACTACGTGACAGCAGCCGCGGTAATAAGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGTGCAGGCGGTTCAATAAGTCTGATGTGAAAGCCTTCAGCTCAACCTGATAATTGCATCATAAACTGTTTAACTTGATTGCACAAGAGTACAGTATAACTCCATGTGTAGCGGTTTAATTCGTAGATATATGGAAGAACACCAGTGGCTAAGGCGGCTCTCTGGTCTGCAACTGACGCTTAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU1416;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9990),c:Actinobacteria(0.9798),o:Coriobacteriales(0.9753),f:Coriobacteriaceae(0.9759),g:Collinsella(0.7643);
CCTTTCTTCCTCCTTTTTTCCTCTTTCTCCCTTGGGGCCACCCTGACGCAGCGACGCCGCGTGCGGGACGGAGGCCTTCGGGTCGTAAACCGCTTTCAGCAGGGAAGAGACGAGACTGTACCTGCAGAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGATTCATTGGGCGTAAAGCGCGCGTAGGCGGCCCGGCAGGCCGGGGGTCGAAGCGGGGGGCTCAACCCCCCGAAGCCCCCGGAACCTCCGCGGCTTGGGTCCGGTAGGGGAGGGTGGAACACCCGGTGTAGCGGTGGAATGCGCAGATATCGGGTGGAACACCGGTGGCGAAGGCGGCCCTCTGGGCCGAGACCGACGCTGAGGCGCGAAAGCTGGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU1421;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Lachnospiraceae(0.4563),g:Dorea(0.2607);
ACGGGAGGCAGCAGTGAGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAAGGATGAAGGATTTCGGTATGTAAACTTCTATCAGTACGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCAGTAATACGTAGGGGGCAAGGGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTTTGCAAGCCAGATGTGAAAGGCCGGGGCTCAACCCCGGGAGTGCATTTGGAACTGTTATGCTAGAGTGTAGGGGAGGCAAGTGGAATTCGTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTTGCGAAGGCGGCTTGCTGGAGGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU1419;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Lachnospiraceae(0.2864),g:Blautia(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTATCTCGATATGTAAACCTCTATCAGCAGGGAAGATAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAACAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAGATGCAAGTCTGATGTGAAATCCCGGGGCTCAACCCCGGGAGTGCATTGGAAACTGGTAATCTAGAGTGCCGGAGGGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGACTTGCTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1420;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Eubacteriaceae(0.1098),g:Eubacterium(0.0204);

ACGGGAGGCAGCAGTGGGGAACATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTATTTCGGTATGTAAACTTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGTGGACTGGTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGATATCTTGAGTGCAGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU1422;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Lachnospiraceae(0.3204),g:Blautia(0.0904);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCCACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTGTGGCAAGTCTGATGTGAAAGGCATGGGCTACACCTGTTGACTGCATTGGAAACTGTCATACTTGAGTGCCGGAGGGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1424;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Bacilli(0.6730),o:Lactobacillales(0.2359),f:Lactobacillaceae(0.1098),g:Lactobacillus(0.0204);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAGGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTACGTAGGTGGCTACCTAAGCACGGGGTTTAAGGCTATGGCTTAACCATAGTTCGCCTTGTGAACTGGGCTGCTTGGGTGCAGGAGAGGAAAGCGGAATTACCGGTGTAGCGGTGAAATGCGTAGAGATCGGTAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGAAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

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389),f:"Prevotellaceae"(0.7068),g:Prevotella(0.3479);
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2),f:Spirochaetaceae(0.2864),g:Treponema(0.0615);
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74),f:Spiroplasmataceae(0.0022),g:Spiroplasma(0.0021);
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cillaceae(0.0710),g:Lactobacillus(0.0157);
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395),f:"Prevotellaceae"(0.1872),g:Alloprevotella(0.0230);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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>OTU1452;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Lachn
ospiraceae(0.1098),g:Clostridium_XlVa(0.0204);
ACGGAGGCAGCAGTGGGGAATATTGGACAATGGGGGAAACCCTGATCCAGCGACGCCGCGTGAGTGAAGAAGTAT
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>OTU1453;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Rumin
ococcaceae(0.2864),g:Clostridium_III(0.0423);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAATAAGGG
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>OTU1455;tax=d:Bacteria(0.0024),p:Firmicutes(0.0000),c:Bacilli(0.0000),o:Bacillales(0.0000),f:Bacillaceae_
1(0.0000),g:Anoxybacillus(0.0000);
TCATTTTTCGCCTCCTCAGAACTATCCGAAAGTGTTTACTTCTGCGTCATGTAAGCGATAATACTTTGCAGGTTGGCTA
CGCCAATCATTTTTATCGAAGCGCGCATAAATTTGAGCAGATTTGTCGTCACAGGTTGCGCCGCCAAAACGTCGGCTA
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>OTU1454;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Pepto
streptococcaceae(0.1291),g:Clostridium_XI(0.0230);
ACGGGAGGCAGCAGTGAGGAATTTTGGACAATGGGGGAAACCCTGATCCAGCCATGCCGCGTGCGGGAAGAAGGC
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>OTU1457;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8897),o:"Bacteroidales"(0.7
623),f:Bacteroidaceae(0.2184),g:Bacteroides(0.0615);
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GTGCGGCAGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGG
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>OTU1451;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Lachn
ospiraceae(0.1872),g:Blautia(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGT
CTTCGGATTGTAAAGCTCTGTCTTTGGGGACGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGTAA
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GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTAGCGAAGGCGGCTTTCTGGACTGTA
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>OTU1458;tax=d:Bacteria(0.0076),p:"Proteobacteria"(0.0000),c:Alphaproteobacteria(0.0000),o:Sphingomo
nadales(0.0000),f:Erythrobacteraceae(0.0000),g:Altererythrobacter(0.0000);
ACCTAGTCCCGCAACGCATTGGGATTATCATACAACGCCTCTAATCTGTCGTCAGCCAACGTGAGAGTGTCAAAAACG
ATAAACCAACCATCAGCATGAGCCTGTCGCATTGCATTCATCAAACGCTGAATAGCAAAGCCTCTACGCGATTTCATA
GTGGAGGCCTCCAGCAATCTTGAACACTCATCCTTAATACCTTTCTTTTTGGGGTAATTATACTCATCGCGAATATCCTT
AAGAGGGCGTTCAGCAGCCAGCTTGCGGCAAAACTGCGTAACCGTCTTCTCGGTCTCTAAAAACCAGGGTTCGTCCC
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>OTU1459;tax=d:Bacteria(0.9450),p:Firmicutes(0.1310),c:Clostridia(0.0425),o:Clostridiales(0.0291),f:Rumin
ococcaceae(0.0073),g:Fastidiosipila(0.0039);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCCACGTCGCGTGAGGGACGAAGGT
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>OTU1461;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Lachn
ospiraceae(0.5273),g:Ruminococcus2(0.3043);
ACGGGGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTAT
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>OTU1462;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9726),o:"Bacteroidales"(0.8
955),f:Bacteroidaceae(0.5273),g:Bacteroides(0.3479);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGC
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>OTU1463;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Clostridiaceae_1(0.4224),g:Clostridium_sensu_stricto(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGAAGATCATGTCGGTACCTAAGAAGGCAGCCCCTGCTAGCTACGTGCCAACAACCGCGGGACTAAGTAGGTGGCGAGCGCTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTTTTAAGTGAGATGTGAAATACTCGGGCTTAACCGGAGTGGGTCATTGCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAAGGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1460;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Lachnospiraceae(0.5632),g:Blautia(0.3479);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTAATTCGTTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCCGTGCAAGTCTGATGTGAAAGGCTGGGGCTCAACCCCGGGACTGCATTGGAAACTGTATGGCTGGAGTGCCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1464;tax=d:Bacteria(0.0058),p:"Acidobacteria"(0.0000),c:Acidobacteria_Gp6(0.0000),g:Gp6(0.0000);
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>OTU1466;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Bacilli(0.9733),o:Lactobacillales(0.8846),f:Lactobacillaceae(0.6350),g:Lactobacillus(0.3479);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTCGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTTACGCAGTGACGGTATCCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCCTCGGCTTAACCGAGGAACTGCATCGGAAACTGTTTTTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTTGCTGGACGACAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1467;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Lachnospiraceae(0.2184),g:Clostridium_XlVa(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTATTTCGGTATGTAAACTTCTATCAGCAGGGAAGAAGATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGACCGGCAAGTTGGAAGTGAAATCTATGGGCTCAAACCATAAATTGCTTTCAAAACTGCTGGGCTTGAGTAGTGCAGAGGTAGGTGGAATTCCCGGTGTAGCGGTGGAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1468;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9791),o:"Bacteroidales"(0.9730),f:"Prevotellaceae"(0.9387),g:Prevotella(0.7162);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATAAGGACCGGCGAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTTATAAGCGTGTGGTTGAATGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGCGGGACGTGAGTGCGCGGGGAGTAGTCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAGCTCCGATTGCGAAGGCAGCCTGCTGTAGCGCACCTCACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
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CCTTTCTTCCTCCTTTTTGCCTCTTTCCCCCTGTTTTCCACCCTGATGCAGCGACGCCGCGTGGAGGAAGAAGGTCTTCGGATTGTAAACTCCTTTCCCACGGGACGATAATGACGGTACCCTGGGAGGAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAAAACGTAGGGTGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGATTGGCAAGTTGGGAGTGAAATCTATGGGCTCAACCCATAAATTGCTTTCACAACTGTCAGTCTTGAGTGATGGAGAGGCAGGCGGAATTCCGTGTGTAGCGGTGAAATGCGTAGATATACAGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACATTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1469;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:Flavobacteriia(0.9827),o:"Flavobacteriales"(0.9843),f:Flavobacteriaceae(0.9873),g:Planobacterium(0.4787);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGGTGAGAGCCTGATCCAGCCATCCCGCGTGAAGGAATAAGGTCCTATGGATTGTAAACTTCTTTTATACAGGGATAAACCTACTCTCGTGAGGGTAGCTGAAGGTACTGTATGAATAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGTCCGTAGGCGGGCTTGTAAGTCAGTGGTGAAATCCTGCAGCTTAACTGTAGAACTGCCGTTGATACTGCGAGTCTTGAGTAAATTTGAAGTGGCTGGAATAAGTAGTGTAGCGGTGGAATGCATAGATATTACTTAGAACACCAATTGCGAAGGCAGGTCACTAAGATTTAACTGACGCTGATGGACGAAAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU1470;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Lachnospiraceae(0.5632),g:Clostridium_XlVa(0.3479);
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>OTU1472;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Eubacteriaceae(0.2864),g:Eubacterium(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTATTCTTAGGGACGAAGCAAGTGACGGTACCTAAGGTATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGTAAGTCTGATGTGAAAACCCGGGGCTCAACCCCGGGACTGCATTGGAAACTAGGCGGCTAGAGTGTCGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACAGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1456;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9908),o:Lactobacillales(0.9685),f:Lactobacillaceae(0.9294),g:Lactobacillus(0.9085);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCGACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTCATTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATAAGTAGGTGTCAAGAGGTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCCGCGGCTTAACCGAGGAACTGCATCGGAAACTGTTTTTCTTGAGTGCAGAAGAGGTGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGTATGAACATCAGTGGCGAAGGCGGCTCTCTGGTCTGCCACTGACGCTGAGGCTTGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU1473;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9441),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3319),f:"Porphyromonadaceae"(0.1679),g:Barnesiella(0.0204);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAAGGTCCTACGGATTGTAAACCTCTTTTGTCGGGGAGCAAAGGGGCTATTTATAGCAAGATGAGCGTACCCGAAGAAAGAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGACTCGTCAAGTCAGCGGTAAAAATTCGGGGCTCAACCCCGTCCGGCCGTTGAAACTGAGAGACTGGAGTGCGACAGAGGGAAGCGGAATGCGAGGTGTAGCGGTGAAATGCATAGATATCGCGCAGAACTCCGATTGCGAAGGCAGCTTTCCATGTCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

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>OTU1471;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Ruminococcaceae(0.1098),g:Clostridium_III(0.0204);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGACGGTCTTCGGATTGTAAACTTTTGTTCTTGGTGAAGAAAAATGACGGTAGCCAAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGAAATCAAGTTGGATGTGAAAACCGAAGGCTCAACCTTCGGCCTGCATTTGAAACTGAAGTTCTTGAGTGCTGGAGAGGCTAACGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU1475;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9990),c:Gammaproteobacteria(0.9805),o:Aeromonadales(0.9389),f:Succinivibrionaceae(0.9201),g:Succinivibrio(0.6681);

ACGGGAGGCAGCAGTAGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGTGTGAAGAAGGCCTTCGGGTTGTAAAGCACTTTCAGAGGGGAGGAAAAGATGACGTTACCCTCAGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATAACTGGGCGTAAAGGGCATGCAGGCGGTTCTACAAGTAGGATGTGAAATACCCGGGCTCAACCTGGGGACTGCATACTAAACTGTAGAGCTAGAGTATTGCAGGGGGAGACGGAATTCCAGGTGTAGCGGTGGAATGCGTAGATATCTGGAAGAACACCAAAGGCGAAGGCAGTCTCCTGGGCAAATACTGACGCTCATATGCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU1478;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9168),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.3959),f:"Porphyromonadaceae"(0.1872),g:Barnesiella(0.0230);

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>OTU1477;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Bacilli(0.7881),o:Lactobacillales(0.5023),f:Lactobacillaceae(0.3204),g:Lactobacillus(0.0904);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTATGGCAAGTCTGATGTGAAAGGCTGGGGCTCAACCCCGGGACTGCATTGGAAACTGTCGAACTAGAGTGCCGGAGGGGTAAGCGGAATTCCTAGTGAAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGAAACTGACGCTGAGGCACGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU1476;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Lachnospiraceae(0.1291),g:Clostridium_XlVa(0.0230);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCGCAGAAGACGAAGGAAGTGACGGTATTCTGTGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGAGCGTAGACGGCGATGCAAGTCTGGAGTGAAAGCCCAGGGCTCAACCCTGGGACTGCTTTGGAAACTGTATGGCTAGAGTGCTGGAGAGGTAAGTGGAATACCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTAGCGAAGGCGGATTGCTGGACGATAACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1479;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9840),o:"Bacteroidales"(0.9889),f:"Porphyromonadaceae"(0.9873),g:Parabacteroides(0.9837);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGCCGAGAGGCTGAACCAGCCAAGTCGCGTGAGGGATGAAGGTTCTATGGATCGTAAACCTCTTTTATAAGGGAATAAAGTGCATCACGTGTGGTGTTTTGTATGTACCTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGCCTTTTAAGTCAGCGGTGAAAGTCTGTGGCTCAACCATAGAATTGCCGTTGAAACTGGGGGGCTTGAGTATGTTTGAGGCAGGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACCCCGATTGCGAAGGCAGCCTGCCAAGCCATTACTGACGCTGATGCGCGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU1482;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lachnospiraceae(0.2864),g:Ruminococcus2(0.0712);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGGGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGCTGCAAGTCTGGAGTGAAAACCCGGGGCTCAACCCCGGGACTGCTTTGGAAACTGCAGAGCTTGAGTACCGGAGGGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1481;tax=d:Bacteria(0.9827),p:Firmicutes(0.1508),c:Clostridia(0.0525),o:Clostridiales(0.0352),f:Peptostreptococcaceae(0.0086),g:Clostridium_XI(0.0043);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACCAGGGGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGTTTGGTAAGTTGGATGTGAAATACCCGGGCTTAACTTGGGGGCCGCATCCAATACTGTCGGACTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGATGGCGAAGGTGGCCTGCTGGACAGCAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTTGGTA
>OTU1480;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Ruminococcaceae(0.0904),g:Pseudoflavonifractor(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTATCAGGGACGAGTAGAAGACGGTACCTGACGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGCTTTATAAGTCTGGAGTGAAAGTCCTGTTTTCAAGATGGGAATTGCATTTCATACTGGGTCGCTAGAGTACTTTAGGGAGGGGTAGAATTCCACGTGTAGCGGTGAAATGCGTAGAGATGTGGAGGAATACCGAAGGCGAAGGCAGCCCCTTGGGAATGTACTGACGCTCATGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1484;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Ruminococcaceae(0.2184),g:Saccharofermentans(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAATGAAGAAGGTCTTCGGATTGTAAACTTCTTTTATAAGGGACGAAGGAAGTGACGGTACCTTATGAATAAGCAACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGACAACTAAGTCTGAAGTGAAACTCCTGGTTTTAAGGCAGGAACTGCTTTGGATACTGGATGGCTTGAGTGCAGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1483;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Ruminococcaceae(0.0560),g:Clostridium_IV(0.0076);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTAAGAGGGAAGAGCACAAGCCGGACCCTCTAGAATACGCCACGGCTAACTACGTGCGAGCCGCCGGGGTAATGCGGAGGGTGCACGCGTTACTCGGAATCACTGGGCGTAAAGGGCGCGTAGGCGGCGTGATAAGTCTGGAGTGAAAGTCATGCTTTCAAGGTGTGAAGTGCTTTTGATACTGTGGGTCTTGAGTGCAGGAGAGGAAAGCGGAATTACCGGTGTAGCGGTGAAATGCGTAGAGATCGGTAGGAACACCAGTGGCGAAGGCGGTTTTCTGGACTGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1487;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Ruminococcaceae(0.0457),g:Acetivibrio(0.0076);

ACGGGAGGCAGCAGTGGGGAATATTAGGCAATGGGGGAAACCCTGACCTAGCCACGCCGCGTGAAGGATGAAGGCTCTCGGATTGTAAACCTCCTTGTCTGGGGGCGATAATGACGGTACCCTGACAACAAGCCACGGCTAACTTCGTGCCAGCACCCCCGACACCATGTCGGTGGCCGGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGAGTAGGCGGGACGGAAAGTCAGATGTGAAATACCGAGGCTCAACCTCGGGGCTGCAGTTGATACTTCTGTTCTTGAGTGCGGGAGAGGCAGGCGGAATTCGCGGCGTAGCGGTGAAATGCATAGAGATCGCGAAGAACACCGGTGGCGAAGGCGGCCTGCTGGACAGTAACTGACGCTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1485;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9769),o:Clostridiales(0.9606),f:Clostridiaceae_1(0.7428),g:Clostridium_sensu_stricto(0.6200);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGTTTTCGGATCGTAAAGCTCTGTCTTTGGGGAAGATAATGACGGTACCCAAGGAGGAAGCCACAGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAAGTGAGATGTGAAATACCCAGGCTCAACCTGGGGGCTGCATTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTCTCTAGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1486;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9820),o:"Bacteroidales"(0.9821),f:"Porphyromonadaceae"(0.9871),g:Parabacteroides(0.9781);

CCTTCCTTCCTCCTTTCTTCCTCTTTTTCCCTTTCCTCTCGGCTGAACCAGCCAAGTCGCGTGAGGGATGAAGGTTCTATGGATCGTAAACCTCTTTTATAAGGGAATAAAGTGCGGGACGTGTCCCGTTTTGTATGTAACTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGCCTTTTAAGTCAGCGGTGAAAGTCTGTGGCTCAACCATAGAATTGCCGTTGAAACTGGGAGGCTTGAGTATGTTTGAGGCAGGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACCCCGATTGCGAAGGCAGCCTGCCAAGCCATGACTGACGCTGATGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU1489;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9180),o:"Bacteroidales"(0.8303),f:"Prevotellaceae"(0.4914),g:Prevotella(0.1299);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTACGGGTTGTAAACTGCTTTTAGGCGGGGGTAAAGTGGCGGACGCGTTCCGCCTTTGCAAGTACCGCCAGAAAAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTATGCCGGAGATTAAGCTGGGTGTGAAATGTAGTGGCTCAACCTCTGCACTGCAGCGCGAACTAGTCGTCTTGAGTACGCACAACGTGGGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGGGCGCAACTGACGCTGAAGCTCGAAAGCGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU1490;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Peptococcaceae_2(0.0355),g:Desulfotomaculum(0.0087);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGGTTTCGGCTCGTAAACCTCTGTCCTATGGGACGAAGGAAGTGACGGTACCATAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCTGGTAAGTCTGGAGTGAAAGTCCTGCTTTTAAGGGGGGAATTGCCTTGGATACTGCTGGGCTTGAGGGCAGGAGAGGAAAGCGGAATTACCGGGGGAGCGGGGAAATGCGTAGAGATCGGGAGGAACACCGGTGGCGAAGGCGGCTTTCTGGACTGAAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1488;tax=d:Bacteria(1.0000),p:Firmicutes(0.2586),c:Clostridia(0.1159),o:Clostridiales(0.0547),f:Eubacteriaceae(0.0149),g:Eubacterium(0.0066);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGCCGCAAGTCTGAACCAGCCAAGTAGCGTGAAGGATGACCGCCCTACGGGTCGTAAACTTCTTTTATAAAGGAATAAAGGCGTCCACGTGTGGACGTTTGCATGTACTTTATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGAATTATTGGGCGTAAAGAGTACGTAGGTGGTTTCCTAAGCATGGGGTTTAAGGCAACGGCTTAACCATGGTTCGCCCCGTGAACTGGGTTACTTGAGTATCGGAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1491;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Bacilli(0.1159),o:Bacillales(0.0547),f:Bacillaceae_1(0.0149),g:Geobacillus(0.0066);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCAAGCAACGCAGCGTGAGGGAAGAAGGGTTTCGGGTCGTAAACCGCTGTCCTATGGGACGAAGGAAGTGACGGTACCATATGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCAGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCTGGTAAGTCTGGAGTGAAAGTCCTGCTTTTAAGGTGGGAATTGCTTTCGATACTGCTGGGCTTGAGTGCAGGAGAGGAAATCGGAACTACCGGTGTAGCGGTCAAATGCGTAGAGATCGGTAGGAACACCAGTGGCGAAGGCGGCTTTCTGGATTGAAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGCTTAGATACCCTGGTA

>OTU1492;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Ruminococcaceae(0.3544),g:Oscillibacter(0.0230);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACCTCTTTTGTCAGGGACGAGTAGAAGACGGTACCTGACGAATAAGCCACGGCCAACCACGTGCTCGCCCCCGCGGTTATACGTAGGTGGCACGCGTTGTCCGGATGTACTGGGTGTAAAGGGCGTGTAGCGGGGAGGGCAAGTCAGATGTGAAATCCACGGGCTCAACTCGGGAACTGCATTTGAAACTGCTCTGCTTGAGTATCGGAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1493;tax=d:Archaea(1.0000),p:"Crenarchaeota"(0.9993),c:Thermoprotei(0.9923),o:Desulfurococcales(0.8737),f:Desulfurococcaceae(0.7787),g:Thermodiscus(0.3915);
GTGCCAGCAGCCGCGGTAATACCAGCCCCGCGAGTGGTCGGGGTGCTTACTGGGCCTAAAGCGCCCGTAGCCGGCTCGACAAGTCCCCTCCTAAAGCCCCGGGCTCAACCCGGGGAGTGGAGGGGATACTGTCGGGCTAGGGGGCGGGAGAGGCCGAGGGTACTCCCGGGGTAGGGGCGATATCCACTAATCCCGGGAGGACCACCAGTGGCGAAGGCGCTCGGCTGGAACGCGCCCGACGGTGAGGGGCGAAAGCCGGGGGAGCGAACCGGATTAGATACCCCTGTAGTCC
>OTU1494;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.8472),o:"Bacteroidales"(0.6509),f:"Prevotellaceae"(0.3544),g:Prevotella(0.0326);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTAGTGCGGGAATAAAGTGTGGGACGTGTCCCATATTGCAGGTACCGCAAGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCTGGTTATTAAGCGTGTTGTGAACAACCCGTGCTCAACATGGGTCGTGCAGCGCGAACTGGTGAACTTGAGTGCGGATGCAGTATGCGGAATTTGGGGTGTAGGGGTGGTATGCTTAGATATCGAAGAACTCCGATTGCGAAGGCGGCATGCCAGGCCGTTACTGACGCTGAAGCTCGAAGGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU1496;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Bacilli(0.8331),o:Lactobacillales(0.5023),f:Lactobacillaceae(0.3204),g:Lactobacillus(0.0904);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCAACTAAGTCTGAAGTGAAACTCCTGCTTTTAAGGCAGGAACTGCTTTGGATACTGGATGGCTTGAGTGCAGGAGAGGAGAGTGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTAAGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU1497;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9918),o:Lactobacillales(0.9685),f:Lactobacillaceae(0.9201),g:Lactobacillus(0.7643);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCGCTGTTGTTGGTGAAGAAGGATAGAGGTCGTAACTGGCCTTTATTAGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGTGGAAAAAGAAAGCGAATGTGAAAGCCCTCGGCTTAACCGAGGAACGGCATCGGAAACTGGTTTTGTTGAGGGCAGGAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU1498;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Bacilli(0.9834),o:Lactobacillales(0.9821),f:Lactobacillaceae(0.9666),g:Lactobacillus(0.8124);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGTGTTATCCGGATTTATTGGGCGTA
AAGCGAGCGCAGGCGGTTACTTAAGTCAGATGTGAAAGCCCTCGGCTTAACCGAAGAAGTGCATCGGAAACTGGGT
GACTTGAGTGCAGACGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTG
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TA

>OTU1495;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Bacilli(0.1159),o:Bacillales(0.0547),f:Paenibacillac
eae_1(0.0149),g:Paenibacillus(0.0066);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCAGCGGGAAGGAAGAAGG
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GCAGCCGCGGTAGTACGTAGGGGGCAAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCAACTA
AGTCTGAAGTGAAACTCCTGCTTTTAAGGCAGGAACTGCTTTGGATACTGGATAGCTTTAGTGCAGGAGAGGTAAGC
GGCATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGTCGGCTTACTGGACTGTA
ACTGACGCTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGCA

>OTU1499;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9947),o:Lactobacillales(0.9843),f:Lactoba
cillaceae(0.9759),g:Lactobacillus(0.8124);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
TTTCGGCTCGTAAACCTCTGTCCTATGTGACGAAGGAAGTGACGGTAGCATAGGAGGAAGCACCGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTGCT
TAGGTCTGATGTGAAAGCCTTCGGCTTAACCGAAGAAGTGCATCGGAAACCGGGCGACTTGAGTGCAGAAGAGGAC
AGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCT
GCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU1500;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Bacilli(0.8048),o:Lactobacillales(0.5395),f:Lactoba
cillaceae(0.3544),g:Lactobacillus(0.0712);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGTCGCGTGAACGAAGAAGTA
TTTCGGTATGTAAAGTTCTATCAGCAGGGAAGAAAAATGACGGTCCCTGACTAATAAGCACCGGCTAAATACGTGCC
AGCAGCCGCGTTACTACGTAGGGTGCAAGCTTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTGCTTAG
GTCTGATGTGAAAGCCTTCGGCTCAACGGAAGAAGTGCATCGGAAACCGGGCGACTTGAGTGCAGAAGAGGACAGT
GGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCA
ACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATAAGATACCCTGGTA

>OTU1502;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9711),o:"Bacteroidales"(0.8
737),f:"Prevotellaceae"(0.5632),g:Prevotella(0.1735);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGTGTATTGTAGGTACCTGATGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGCAGGCCGTTGTTTAAGCGTGACGTGAAATGTCGGGGCTCAACCTTGGAATTGCAGCGCGAACTGTGTGTCTTG
AGTGAGCACGACGTCAGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAG
GCAGCTGACGGGTGCTTAACTGACGCTAATGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU1503;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9604),o:"Bacteroidales"(0.8
629),f:"Prevotellaceae"(0.5273),g:Prevotella(0.1735);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
CCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTGGGCCACGCGTGGCCTTTTGCAGGTACCGCATGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGCAGACGGGCTGTTAAGTCAGCTGTGAAATGCCGCGGCTCAACCGTGGAATTGCAGTTGATACTGGCGGCCTTG
AGTGCGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAG
GCAGCCTGCTGTAGCGTAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU1501;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Bacilli(0.4045),o:Bacillales(0.1719),f:Paenibacillac
eae_1(0.0560),g:Paenibacillus(0.0110);
ACGGAAGGAAGAAGGGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAGGG
TTTTCGGATCGTAAACTTCTATCCTTGGTGAAAATAATGATGGTAGCCAAGAAGGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCAACTA
AGTCTGAAGTGAAACTCCTGCTTTTAAGGCAGGAACTGCTTTGGATACTGGATGGCTTGAGTGCAGGAGAGGTAAGC
GGAACTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGT
AACTGACGCTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1504;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9846),o:"Bacteroidales"(0.9
911),f:Bacteroidaceae(0.9759),g:Bacteroides(0.9781);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGC
TCTATGGGTCGTAAACTTCATTTATATAAGAATAAAGTGCAGTATGTATACTGTTTTGTATGTATTATATGAATAAGGA
TCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTG
CGTAGGCGGGGCATCAAGTCAGTGGTGAAATGGTGTGGCTCAACCGTAAAATTGCAGTTGATACTGTCAGTCTTGAG
TACAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGC
AGCTCACTGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU1505;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4
652),f:Bacteroidaceae(0.1485),g:Bacteroides(0.0326);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGC
CCTATGGGTTGTAAACTGCTTTTATACGGGGGTAAAGTCCTCCACGTGTGGATGTTTGCAAGTACCGCAAGAAAAAG
GATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCGGAAGATCAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGAAACTGGTTTGCTTG
AGTGCACATGAGGAAGGTGGAATTTGTGGTGTAGCGGTGAAATGCATAGATATCACGAAGAACTCCGATTGCGAAG
GCAGCCTTCCGGAGTGCGACTGACGCTGAGGCTCGAAAGTGCGGGGATCAAACAGGATTAGATACCCTGGTA
>OTU1507;tax=d:Bacteria(0.0041),p:"Bacteroidetes"(0.0000),c:"Bacteroidia"(0.0000),o:"Bacteroidales"(0.0
000),f:"Porphyromonadaceae"(0.0000),g:Porphyromonas(0.0000);
GGCATCGTCTGTGAGCGTTGTGGTGTGGAGGTCACAGAGAGCCGGGTGCGTCGTCACCGGATGGGCTTTATCAAGT
TGGCGGCGCCCGTCTCCCATGTTTGGTACCTGAAAGGGATTCCCAGTTATGTGGCCATCCTTTTGGATATGCCCCTGC
GGGATGTTGAGCAGATTGTTTATTTCAACTGTTATGTGGTTCTGGATGCGGGTGATCACAAAGACCTGAAGTACAAG
CAGCTCCTCACTGAAGATGAGTGGCTGGAAATTGAGGATGAGATCTACGCAGAAGACTCAGAGATTGAAAATGAGC
CTGTTGTGGGTATCGGCGCCGAGGCTCTCAAGCAGCTTCTCGAAGATCTCACCCTTGATGAGGTAGCCGAGCAGCTG
CGCGAGGAGATCGCCGGCAGTAAGGGGCAGAAGCGGGCGAAGCTGACCAAGCGCCTACG
>OTU1506;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Lachn
ospiraceae(0.0113),g:Hespellia(0.0056);
ACGGAAGGCAGCAGTCGGGAATATTGCGCAATGGAGGAAACTCTGACGCAGTGACGCCGCGTGCAGGAAGAAGGT
TTTCGGATTGTAAACTGCTATAGACAGGGAAGAAAAAAGACAGTACCTGTAGAATAAGCTCCGGCTAACTACGTGCC
AGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGCGTAAAGGGTGTGTAGGCGGGACCGCA
AGTCAGATGTGAAAATTATGGGCTCAACTCATATCCTGCATTTGAAACTGTGGGTCTTGAGGGTCGGAGAGGTAACT
GGAACTCCCAGTGTAGCGGTGAAATGCGTAGATATTGGGAAGAACACCGGCGGCGAAGGCGGGTTACTGGACGATT
ACTGACGCTGAGACACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1509;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9835),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.3
959),f:"Prevotellaceae"(0.1291),g:Prevotella(0.0157);
ACTTCATTCCTCCTTTATTACTATTGGTCAATGGGCGGAAGCCCGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCT
ATGGGTTGTAAACTGCTTTTTCGCGGGGATAAAGAGGGGGATGCGTCCCCCGTTGCAGGTACCGCGTGAATAAGGA
CCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGTAGGCGGGCTGTTAAGTCAGCGGTCAAATGTCAGGGCCCAACCTTGGCATGCCGTTGATACTGGCGGCCTTGAGT
TCACACAAGGAAGGTGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCA
GCCTTCTGGGGTGTTACTGACGCTGAGGCTCGAAAGTGCGGGAATCAAACAGGATTAGATACCCTGGTA
>OTU1508;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Rumin
ococcaceae(0.3204),g:Clostridium_IV(0.0326);

ACGGGAGGCAGCAGTGGTTCCTCTTTTTCAATTTTCTCCAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTCTT
CGGATTGTAAACTTCTTTTATGAGGGACGAAGGACGTGACGGTACCTCATGAATAAGCCACGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGGATGCAA
GTCAGATGTGAAATCTATGGGCTTAACCCATAAACTGCATTTGAAACTGTATCTCTTGAGTGCTGGAGAGGTAGATGG
AATTCCTTGTGTAGCGGTGAAATGCGTAGATATAAGGAAGAACACCAGTGGCGAAGGCGATCTACTGGACAGTAACT
GACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1510;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.9
389),f:"Prevotellaceae"(0.7428),g:Prevotella(0.4351);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCCGAACCAGCCAAGTAGCGTGCAGGACGACGGC
CCTATGGGTTGTAAACTGCTTTTATAAGGGAATAAAGTGAGCTACGTGTATTTTTTTGCATTTACCTTATGAATCAGGA
CCGGCTAATTCCGTTCCATCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGTAGGCCGGAGATTAAGCGTGTTGTGAAAGGTAGTGGCTCAACCGCTGCACTGCAGCGCGAACTGGTCGTCTTGA
GTACGCACAACGTGAGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGG
CAGCTGACGGGAGCGCAACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU1513;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9180),o:"Bacteroidales"(0.8
303),f:Bacteroidaceae(0.4224),g:Bacteroides(0.2171);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGAAGACTGC
CCTATGGGTTGTAAACTTCTTTTATGAGGGAATAAAGGGAATTACGTGTGGTGTTTTGTAGGTACCGAATGAATAAG
GAACGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGAGCGGTATCCGGATTTATTGGGTTTAAAGG
GAGCGTAGGCGGCAGGTTAAGTCAGTCGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGCCTGCTT
GAGTGCGGCAGAGGCAGGCGGAATTTGTTGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAA
GGCAGCTTGCTGGAGCGTAACTGACGCTGATGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU1511;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:Sphingobacteriia(0.1740),o:"Sphingobacteri
ales"(0.0781),f:Sphingobacteriaceae(0.0252),g:Pedobacter(0.0066);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGAGGCAACTCTGATCCAGCCATGCCGCGTGAAGGACTAAGGCC
CTATGGGCCGTAAACTTCTTTTGACGCAGAGCAATAAGGGCCACGTGTGGTCCGATGAGAGTATGCGTAGAATAAGC
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGT
GCGTAGGCGGCTGTGCAAGTCAGCGGTGAAAGGCCTGTGCTGAACCGGGAAAGTGCCGTTGGTACTGTGAGGCTTG
AATGCTGCTGCAGTGGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGAGATCACACAGAACACCGATTGCGAAG
GCATCTCACGAAGCCGCAATTGACGCTGAGGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA
>OTU1514;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9990),c:Betaproteobacteria(0.9784),o:Burkholderi
ales(0.9280),f:Sutterellaceae(0.9015),g:Sutterella(0.8605);

ACGGAAGGCAGCAGTGGGGAATTTTGGACAATGGGGGCAACCCTGATCCAGCCATGCCGCGTGCAGGATGAAGGTC
TTCGGATTGTAAACTTCTTTTGTCAGGGACGAAAAGGACTGTGCCAAGACCATAGTCTGCTGACGTTACCTGAAGAAT
AAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTAATCGGAATTACTGGGCGTAA
AGCGTGCGCAGGCGGTTCTGTAAGACAGAAGTGAAAGCCCCGGGCTTAACCTGGGAATTGCATTTGTGACTGCAGG
ACTAGAGTTCATCAGAGGGGGGTGGAATTCCAAGTGTAGCAGTGAAATGCGTAGATATTTGGAAGAACACCAATGG
CGAAGGCAGCCCCCTGGGATGCGACTGACGCTCATGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGT
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>OTU1512;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Eubac
teriaceae(0.3544),g:Eubacterium(0.1299);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
CTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGCAGGTGGTAAGGCA
AGCCAGAAGTGAAAGCCCGGGGCTCAACCCCGAGGACTGCTTTTGGAACTGTCGAACTAGAGTGCAGGAGGGACAA
GCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGATCTGCTGGACAG
CGACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1515;tax=d:Bacteria(0.8319),p:"Bacteroidetes"(0.1905),c:Sphingobacteriia(0.0324),o:"Sphingobacteri
ales"(0.0231),f:Chitinophagaceae(0.0059),g:Chitinophaga(0.0035);

ACGGGAGGCAGCAGTAGGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCATGCCGCGTGATGGATGAAGGTC
CTATGGATTGTAAACATCTTTTGTATAAGAATAAAAATAATCTTGCGAGGTTAAATGAATGTATTATACGAATAAATAC
CGGCTAACTCCGTGCCAGCAGCCGCGGTAAGACGGAGGGTGTAAGCGTTATCCGGAATCACTGGGTTTAAAGGGTA
CGTAGGCGGTTATATGTGTCGGTAGTGAAATCCTAGTGCTTAACATTAGAATTATTATCGAAACTGTATGACTCAAAT
TAAAAAGAAGTAAACAGAATTTATAGTGTAGCAGTGAAATGCGTAGATATTATAAAGAATACCCACAGCGAAGGCAG
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>OTU1516;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9441),c:Deltaproteobacteria(0.7114),o:Desulfovibr
ionales(0.4280),f:Desulfovibrionaceae(0.2524),g:Desulfovibrio(0.0423);

AGGGAGGCCGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGTC
TTCGGATCGTAAACCTCTGTCAGCAGGGAAGAACGGTCACTGTGCTAATCAGCAGTGAATTGACGGTACCTGCAAAG
GAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCGAGCGTTAATCGGAATTACTGGGCGTA
AAGCGCTCGTAGGCGGTATGTCAAGTCAAGGGTGAAATCCCCGCGCTCAACGTGGGAACTGCCTTTGAAACTGGCAA
ACTGGAGTGCGTGAGAGGATAGTGGAATTCCAGGTGTAGGAGTGAAATCCGTAGATATCTGGAGGAACATCAGTGG
CGAAGGCGACTATCTGGCACGTAACTGACGCTGAGGAGCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGT
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>OTU1518;tax=d:Bacteria(1.0000),p:Cyanobacteria/Chloroplast(0.9993),c:Cyanobacteria(0.9903),f:Family_II(0.9294),g:GpIIa(0.9085);
GTGTCAGCCGCCGCGGTAATACGGGAGTGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGCGCCCGCAGGCGGCCTGACAAGTCTGCTGTTAAAGCGTGGAGCTTAACTCCATTTCAGCAGTGGAAACTGTCAGGCTTGAGTGTGGTAGGGGCAGAGGGAATTCCCGGTGTAGCGGTGAAACGCGTAGATATCGGGAAGAACACCAGTGGCGAAAGCGCTCTGCTGGGCCATCACTGACGCTCATGGACGAAAGCCAGGGGAGCGAAAGGGATTAGATACCCCTGTAGTCCTGGCCGTAAACGATGAACACTAGGTGTCGGGGGAATCGACCCCTCCGGTGTCGTAGCCAACGCGTTAAGTGTTCCGCCTGGGGAGTACGCACGCAAGTGTGAAACTCAAAGGAATTGGCGGGG
>OTU1517;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Lachnospiraceae(0.4914),g:Fusicatenibacter(0.2171);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATTTCGGTATGTAAAGCTCCATCAGCAGGGAAGATAATGACGGTACCTGACTCTGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATTCGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCCAGGCAAGTCTGATGTGAAAACCCGGGGCTCAACCCCCGGACTGCCTTGGAAACTGTCATGCTAGAGTGCCGGAGAAGCAAGCGGAATTCCTCGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAATGGCGAAGGCGGCCTGCTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1519;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3319),f:"Porphyromonadaceae"(0.1291),g:Barnesiella(0.0157);
CCTTTCTTCCTCCTTTCTTCCTCTTTTTCCCTTTTCTCTCGCCTGCCCCCTCCAAGTCGCGTGAGGGAAGACGGTCCTACGGATTGTAAACCTCTTTTGTCGGGGAACAAAAGGCGCCACGCGTGGTGTATAGAGTGTACCCGAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGTGGATCAAGTCAGCGGTCAAACTTCGGGGCTCAACCCCGTTTTGCCGTTGAAACTGATCGGCTGGAGTCTGTTCGAGGGACGCTGAATGCGAGTTGTAGCGGTGAAATGCATAGATATCACGCAGAACTCCGATTGCGAAGGCAGCGTCCCTGGGCGGCACTGACGCTTAGTCACGAAAGTGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU1520;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Clostridiales_Incertae_Sedis_XIII(0.1098),g:Anaerovorax(0.0204);
CCGTTATTCAGCCTTGGTTCCTATTGCCCCATTTTCTCCCGCCTGCTTCCTCCACGCCGCGTGAGCGAAGAAGGTCTTCGGATCGTAAAGCTCTGTCCTTGGGGAAGATAATGACGGTACCCTTGGCGGAAGCCCCGGCTAACTACGTGCCAGCGGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTGCGTAGGTGGTTACCTAAGCAGGGGGTGAAAGGCAATGGCTCAACCATTGTTAGCCCCCTGAACTGGGCTACTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTTACTGACACTGAGGCACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1524;tax=d:Bacteria(0.0041),p:"Bacteroidetes"(0.0000),c:"Bacteroidia"(0.0000),o:"Bacteroidales"(0.0000),f:Bacteroidaceae(0.0000),g:Acetomicrobium(0.0000);

GGGATTGTCTGTGAGCGTTGTGGTGTGGAAGTCACAGAGAGCAGGGTGCGTCGCCACCGCATGGGCTTCATCAAGC
TCGCTGCTCCCGTGTCCCACGTTTGGTACCTGAAAGGCATACCCAGCTATGTGGCCATCCTTCTGGACATGCCCCTGCG
GGATGTGGAGCAGATCGTCTACTTCAACTGCTACGTGGTGTTGGATCCCGGCGACCACAAAGAGCTGAAGTACAAAC
AGCTGCTCACCGAGGACGAATGGCTGGAGATCGAAGACGAGATCTATGCGGAGGAATCGGAGATCGAGAACGAGC
CGGTGGTGGGCATCGGTGCTGAGGCGCTCAAGCAACTGCTCGAAGACCTCAATCTGGAGGAAGTGGATGAGCAGCT
GCGTGAGGAGATCAACGGCAGCAAGGGCCAGAAGCGGGCCAAGCTGACCAAGCGCCTGCG

>OTU1523;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Eubacteriaceae(0.2184),g:Eubacterium(0.0615);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGAAGGC
CTTTGGGTCGTAAACTTCTGTCCTTGGGGAAGATAATGACGGTACCCTTGGAGGAAGCCCCGGCTAGCTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGGGTACGTAGGCGGTTTCTTAA
GCGCAGGGTTTAAGGCAATGGCTCAACCATTGTTCGCCCTGTGAACTGGGAGACTTGAGTTCAGGAGAGGAAAGCG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAA
CTGACGCTGAGGTACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1522;tax=d:Bacteria(0.9073),p:"Bacteroidetes"(0.4311),c:Sphingobacteriia(0.0525),o:"Sphingobacteriales"(0.0352),f:Sphingobacteriaceae(0.0086),g:Nubsella(0.0039);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGC
CCTACGGGTCGTAAACTTCTTAAGAAGCAGAGCAATAAGGTCCACGCGTGGACCGATGAGAGTATGAGTAGAATAA
GCATAGGCTAACACAGTGCAAGCAGCCGCGGTAATACGGGGGAGGCGAGCGTAATCCGGATTCATTGGGTTTAAAG
GGTGCGTAGGCGGCCGAGTAAGTCAGCGTTGAAAGACCGCGGCTCAACCCTGGAAGTGCCCTTGATACTGTTTGGCT
TGAATGATCCCGCCGCTGGAGGAATTAGTGGTGTAGCGGTTAAATTCATAGATATCACTCAGAACACCGATTGCGAA
TGCATCTCGCGTGGGGTCAATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU1521;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9791),o:"Bacteroidales"(0.9730),f:"Prevotellaceae"(0.9294),g:Prevotella(0.8124);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCATGTAGCGTGCAGGATGACGGC
CCTAGGGGTTGTAAACTGCTTTTATAAGGGAGTAAAGTGAGCCTCGTGAGGCTTTTTGCATGTACCTTGCGAATAAGG
ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTGCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCGGGGGATTAAGCGTGTTGTGAAATGTCGACGCTCAACGTCTGCACTGCAACGCGAACTGGTGTCCTGG
AGTACGCACAAAGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGAGATCACGAAGAACTCCGATTGCGAAG
GCAGCTCACTGGAGCGCAACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU1525;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9168),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5023),f:Bacteroidaceae(0.1872),g:Bacteroides(0.0519);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTCTTCGGATTGTAAACTTCTTTTATGAGGGACGAAGGACGTGACGGTACCTCATGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTTATAAGCGTGTTGTGAAATGTCGGGGCTGAACCTGGGCATTGCAGCGCGAACTGTCAGTCTTGAGTACAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU1526;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Clostridia(0.9776),o:Clostridiales(0.9685),f:Lachnospiraceae(0.7428),g:Blautia(0.4351);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTATCTCGGTATGTAAACTTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATGTACTGGGTGTAAAGGGAGCGTAGACGGAGCAGCAAGTCTGATGTGAAAGGCAGGGGCTCAACCCCGTGATGGGATTGAAACTACTTTTCTTGAGTGCAGGAGGGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGACGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1528;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Ruminococcaceae(0.1872),g:Saccharofermentans(0.0230);

ACGGAAGGCAGCAGTAGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTCTTCGGATCGTAAACTTCTTTTATCAGGGAAGAAGGAAGTGACGGTACCTGATGAATAAGCCACGGCTAACTACGTGCCAGCAGACGCGGTAATACGTAGGTGGCGAGCGGTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGAATGCAAGTCAGATGTGAAATCTATGGGCTTAACCCATAAGCTGCATTTGAAACTGCATTTCTTGAGTGTCGGAGAGGTAGACGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGTCTACTGGACGATAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1527;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Lachnospiraceae(0.0560),g:Clostridium_XlVa(0.0134);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACCAGGCGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGATGCAAGTCTGGAGTGAAAGCCCAGGGCTGAACCCTGGGACTGCTTTGGAAACTGTTGATCTTGAGTATCGGAGAGGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1530;tax=d:Bacteria(0.0041),p:"Proteobacteria"(0.0000),c:Gammaproteobacteria(0.0000),o:Alteromonadales(0.0000),f:Colwelliaceae(0.0000),g:Colwellia(0.0000);
ATTACTCCTGCTTGTTTACGACTTCCATCGACGTGGCCTGCTGGCGGCCAATGAGAAAATTCGACCTATCCTTGCGCAGCTCGAGAAGCACTTACTTTGCGACCTTTCGCCATCAACTAACGATTCTGTCAAAAACTGACGCGTTGGATGAGGAGAGGTTGCTTAATATGCTTGGCACGTTCGTCAAGGACTGGTTTAGATATGAGTCACATTTTGTTCATGGTAGAGATTCTCTTGTTGACATTTTAAAAGAGCGTGGATTACTATCTGAGTCCGATGCTGTTCAACCACTAAGAGGTAAGAAATCATGAGTGAAGTTACTGAACAATCCGTACGTGTCCAGACCGCGTGGGCCTCTATTAAGCTCATTCAGGCGTCTGCCGTTTTGGATTTAACCGAAGATGATGTCGATTTGCTGACGAGTAA
>OTU1529;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Ruminococcaceae(0.1679),g:Clostridium_IV(0.0157);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGGTCTTCGGATTGTAAACCTTCGTCAACAGGGACGAAACAAATGACGGTACCTGTGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGTGTAGGCGGGAAGGCAAGTCAGGAGTGAAAACTATGGGCTCAACTCATAGCCTGCTTTTGAAACTGCTTTTCTTGAGAGTCGGAGAGGTAAACGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGTTTACTGGACGACCACTGACGCTGAGACACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1532;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9988),c:Fusobacteriia(0.9784),o:"Fusobacteriales"(0.9707),f:"Fusobacteriaceae"(0.9573),g:Fusobacterium(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGACCAAAAGTCTGATCCAGCAATTCTGTTTGCACGATTAAGTTTTTCTTAATGTACATTTCTTTCATTTGTGACTCATTAATTTACGTTACCAACATAAGAAGCTACTTCTAAATACGTTCCAGCAGCCTCTTTAATACGTATTTCTCAATCGTTATCCTTATTTATTGGGCGTAAAGCGCGTCTAGGCGGTTTGGTAAGTCTGATGTGAAAATGCGGGGAGAAAATACGTATTGAGTGGGAAACTGTCAAACTAGAGTACTGGAGAGGTGGGCGGAACTAAAAGTGTAGAGGTGAAATTCGTAGATATTTGTAGGAATGCCTATGGGGAAGCCAGCCCACTGGACAGATACTGACGCTAAAGCGCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU1533;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9604),o:Clostridiales(0.8520),f:Peptostreptococcaceae(0.2864),g:Clostridium_XI(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTGTCCGGATTTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTGAGATGTGAAAGGCTACGGCTCAACCGTAGTGCGCCTTTGAAACTTGGAAACTTGAGGTGAGGAGAGGAGAGTGGAATTCCTAGTGGTACCGTGAAATGCGGTGGTATTAGGAGGAACCCCAGTTGCGAAGGCGGCTCTCTGGACCGGAACTTGCCCTTGGGCACCAAAGCCTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1531;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Clostridiales_Incertae_Sedis_XIII(0.2524),g:Anaerovorax(0.0712);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGAAGAAGGTCTTCGGATCGTAAAGCTCTGTCCTTGGGGAAGATAATGACGGTACCCTTGGAGGAAGCCTCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTGCGTAGGTGGTTATCTAAGCGTAAGGTTTAAGCGTGCAGCTCAACTGCATCTCGCCTTGCGAACTGGACTACTTGAGTGCAGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGTGTAGATATTAGGAGGAACACCAGTAGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1535;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:"Bacteroidia"(0.4045),o:"Bacteroidales"(0.1719),f:"Porphyromonadaceae"(0.0355),g:Parabacteroides(0.0066);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTGAGCCTGAACCAGCCAAGTCGCGTGAGGGACGAAGGCTCTACTGGTTGTAAACCCCTTTTATAAGGGAATAAAGGGCGCCACGTGCGGTGTTTTGCATGTACCTTATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGTTAATACGGAGGCTGCGAGCGTTATCCGGATTCATTGGGTTGAAAGGATGCGTAGGTGGCTTGTTAAGTCAGCGGTGAAAGTCAGAGGCTCAAACATTGAAATGCCGTTGAAACTGGCGAACTTGAGTACGTACGGGGCAGGCGGAATGCGTAGTGTGACAGTGAAATACATAGATGTCACGCAGAACCCCGATCGCGAAGGCGACCTTCCAGACCGTGACTGACACTGATGCACGAAAGCGTGGGTATCGAACAGAATTAGATACCCTGGTA
>OTU1534;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Betaproteobacteria(0.9834),o:Burkholderiales(0.9685),f:Burkholderiaceae(0.8864),g:Ralstonia(0.8124);
GTGCCAGCCGCCGCGGTACTACGTCGGGTCCAAGCGTTAATCGGAATTACTGGGCGTACAGCGTGCGCAGGCGGTTGTGCAAGACCGATGTGAAATCCCCGAGCTTAACTTGGGAATTGCATTGGTGACTGCACGGCTAGAGTGTGTCAGAGGGGGGTAGAATTCCACGTGTAGCAGTGAAATGCGTAGAGATGTGGAGGAATACCGATGGCGAAGGCAGCCCCCTGGGATAACACTGACGCTCATGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTAGTCCACGCCCTAAACGATGTCAACTAGTTGTTGGGGATTCATTTCCTTAGTAACGTAGCTAACGCGTGAAGTTGACCGCCTGGGGAGTACGGTCGCAAGATTAAAACTCAAATGAATTGACGGGG
>OTU1536;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9180),o:"Bacteroidales"(0.8303),f:"Prevotellaceae"(0.4224),g:Prevotella(0.1299);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGACGAAGGCCCTATGGGTTGTAAACTGCTTTTATAAGGGAATAAAGTGAGTCTCGTGAGACTTTTTGCATGTACCTTATGAATAAGGACCGGCTAATTCCGTGCCAGGAGCCGCGGTAATACGGAAGGTTCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGTCTTATAAGCTTGTTGTGAAATGTCGAGGCTCAACCTTGGCATTGCAGCGCAAACTGTGAGACTTGAGTGCGCAGGAAGTAAGAGGAATTCGTCGTGTAGCGGTGAAATGCTTAAATATTACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCGCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU1538;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Bacilli(0.9856),o:Lactobacillales(0.9942),f:Lactobacillaceae(0.7787),g:Lactobacillus(0.3915);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAATAACTGTTCACGCAGGGACGGTATCCAACCAGAAAGTGAGGGATAACTACGTGGCAGCAGGCGGGGTAATACGAAGGGGGCAAGCGGTAGCCGGATTTACTGGGCGTAAAGCGAGCGCAGGCGGTTTCTTAGGTCAGATGTGAAAGCCTTCGGCTTAACCGGAGTACTGCATCGGAAACCGGGCGACTTGAGTGCAGAAGAGGACATTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGCCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU1539;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:"Bacteroidia"(0.1159),o:"Bacteroidales"(0.0547),f:"Porphyromonadaceae"(0.0149),g:Parabacteroides(0.0066);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGTAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGCCCTATGGGTCGTAAACTTCTTTAGACTCAGAGCAATAAGGGTCTCGAGAGATCCGTTGTGAGTATGCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGTGGAAGGGCAAGTCAGCGGTGAAAGCCTCGGGCTCAACGGGGAAGTTGCCGTTGATACTGTACGTCTGGAATGCAGTAGACGTGGGAGGAATGAGTAGTGTAGCGGTGAAATGCATAGATATTACTAAGAACACCGATTGCGAAGGCAGCTCACGGAGGGGCGATTGACGCTGAGGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU1537;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:"Bacteroidia"(0.0726),o:"Bacteroidales"(0.0473),f:"Porphyromonadaceae"(0.0113),g:Barnesiella(0.0056);
ACGGAAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATGCCGCGTGAAGGACTAAGGCCCTATGGGCTGTAAACTTCTTTAGAAGCAGCGCAATAAGGGCCACGCGTGGTCCGATGAGAGTATGCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCGGACTTGCAAGTCAGCGGTGAAATGCCGGGGCTCAACCCGGAAAGTGCCGTTGATACTGTGAGGCTGGAATGCGGATGCTGTAGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACGCAGAACACCGATTGCGAAGGCATCTCACAGAACCGCTATTGACGCTGAGGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU1540;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9321),o:"Bacteroidales"(0.8412),f:Bacteroidaceae(0.4224),g:Bacteroides(0.2171);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGACTCTGAACCAGCCAAGTAGCGTGAAGGAAGACTGCCCTATGGGTTGTAAACTTCTTTTATGAGGGAACAAAGTGCACCACGCGTGGTGTTATGTATGTATCTCTTGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGCTGTGTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAAGTGCCGTTGATACTGGCATGCTTGAGTGCGGCAGAGGCAGGAGGAATTTGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTTGCTGGAGCGTAACTGACGCTGATGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU1543;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9798),o:"Bacteroidales"(0.9753),f:Bacteroidaceae(0.9108),g:Bacteroides(0.9085);

AAGGGAGGAAGAAGGGAGGAAGAGGGGGAAAGGGGGGAGAGCCTGAACCAGCCAAGTAGCGTTAATTATGAAGTCTCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTATGTATACTGTATTGTATGTATTATATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGGTAAGTGATGTGTGAAAGTTTGCGGCTCAACCGTAAAAGTGCAGTTGATACTGTCAGTCTTGAGTACAGTAGAGGTGGGCGGAATTAGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGACTGCAACTGAAACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACAATGGTA

>OTU1542;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8755),o:"Bacteroidales"(0.7252),f:"Prevotellaceae"(0.3544),g:Alloprevotella(0.0712);

AGGGAAGGAAGAAGGGAGGAAGAGTGGGCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTCCGGGTTGTAAACTGCTTTTAGTTGGGAATAAAAAAGGTGACGTGTCATCTATTGTATGTACCATCAGAAAAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCAGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGAGAGATAAGTCAGCTGTAAAGTCGTGCGGCTCAACCGTACCTCGCCGTCGCTACTGTTTTTCTTGAGTGCACACAGGGATGCTGGAATTCGTCGTGTAGCGGTGAAATTCTTAGATATGACGAAGAACTCCGATCGCGAAGGCAGGTGTCCGGGGTGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU1546;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9900),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5023),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0204);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGTGGATAAAGTGTGGGACGTGTCCCATATTGCAGGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCATCCGCGGTAATACGGAAGCTCCGTGCGTTATCCGGATTTATTTGGTTTAAAGGGAGCGTAGGCCGTTGTTTAAGCTTGTTGTGAAATGCCGCGGCTGAAACGTGGCACGGAAGCGAGAACTGGATGACGTGAGTGCGAGGGAGGTAGGCGGAATTCGTGGTGTAGAGGTGAAATGCTTAGATATGACGAAGAAATCCGATGGCGAAGGCAGCTTGCTGTAGCGTTACTGACGCTGAAGTTCGAAAGCGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU1544;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Gracilibacteraceae(0.0560),g:Gracilibacter(0.0134);

ACGGGAGGCAGCAGTAGGGAATATTGGGCAATGGAGGCAACTCTGATCCAGCAACACCGCGTGAATGATGAAGGTCTTCGGATTGTAAAGTTCTGTGATGGGGGACGAAGAAAGTGACGGTACCCCAAGAGCAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGAATGGCTGGGCGTAAAGGGTACGTAGGTGGCTATTCAAGTTAGTTGTGAAATCCCGGGGCTTAACTCCGGTGCTACAATTAAGACTGTTTAGCTTGAGTGCAGGAGGGGTAAGTGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTACTGGACTGTAACTGACACTGAAGTACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1541;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.8267),c:Gammaproteobacteria(0.5963),o:Pasteurellales(0.3319),f:Pasteurellaceae(0.1679),g:Actinobacillus(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGGTTTCGGCTCGTAAACCTCTGTCCTATGGGACGAAGGAAGTGACGGTACCATAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTAATCGGAATAACTGGGCGTAAAGGGCACGCAGGCGGTGACTTAAGTGAGATGTGAAAGCCCCGAGCTTAACTTGGGAATTGCATTTCATACTGGGTCGCTAGAGTACTTTAGGGAGGGGTAGAATTCCACGTGTAGCGGTGAAATGCGTAGAGATTGGGAGGAACACCAGTGGCGAAGGCGACTTACTGGGCCGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1548;tax=d:Bacteria(0.0041),p:"Armatimonadetes"(0.0000),c:Armatimonadia(0.0000),o:Armatimonadales(0.0000),f:Armatimonadaceae(0.0000),g:Armatimonas/Armatimonadetes_gp1(0.0000);
TTGAGTCTTCTTCGGTTCCGACTACCCTCCCGACTGCCTATGATGTTTATCCTTTGGATGGTCGCCATGATGGTGGTTATTATACCGTCAAGGACTGTGTGACTATTGACGTCCTTCCCCGTACGCCGGGCAATAATGTTTATGTTGGTTTCATGGTTTGGTCTAACTTTACCGCTACTAAATGCCGCGGATTGGTTTCGCTGAATCAGGTTATTAAAGAGATTATTTGTCTCCAGCCACTTAAGTGAGGTGATTTATGTTTGGTGCTATTGCTGGCGGTATTGCTTCTGCTCTTGCTGGTGGCGCCATGTCTAAATTGTTTGGAGGCGGTCAAGAAGCCGCCTCCGGTGGCATTCAAGGTGAT
>OTU1547;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9348),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4652),f:Bacteroidaceae(0.1291),g:Bacteroides(0.0230);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGCAAGGCTGAACCAGCCAAGTAGCGTGAAGGATGACCGCCCTACGGGTCGTAAACTTCTTTTATAAAGGAATAAATTTGTCCACGTGTGGACGTTTGCATGTACTTTATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCTGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGACGGGCTGGTAAGTCAGATGTGAAATGCCGAGGCTCAACCGTGGAACTGCAGTTGATACTGGCGGCCTTGAGTGCGGTGGAGGAAGGCGGAATTCGTGGTGTAGAGGTGAAATGCGTAGATATCAGGAAGAACCCCGATGGCGAAGGCAGCCTGCTAATCCGTTACTGACGTTCATGCTCGAAGGTGCGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1545;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:Sphingobacteriia(0.1159),o:"Sphingobacteriales"(0.0547),f:Sphingobacteriaceae(0.0149),g:Olivibacter(0.0066);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGCCCTACGGGTCGTAAACTTCTTTAGACGCAGCGCAATAAGGTCCACGCGTGGATCGATGAGCGTATGCGTAGAATAAGCATAGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATCTGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCGGCCGAGTAAGTCAGCGGTGAAAGACCGGGGCTCAACCCTGGAAGTGCCGTTGATACTGTTTGGCTAGAATAAACCCGACGCGGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCACGAAGAACACCGATTGGGAAGGCATCTCGCGAGAGGTCAATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU1549;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Lachnospiraceae(0.3544),g:Fusicatenibacter(0.1299);

ACGGAAGGCAGCAGTGGGGAATGTTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAGGAAGTA
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CAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGCATGAT
AAGTCTGATGTGAAAACCCAAGGCTCAACCATGGGACTGCATTGGAAACTGTCGTGCTGGAGTGTCGGAGAGGTAA
GCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGG
TAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU1551;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.9
280),f:"Porphyromonadaceae"(0.5991),g:Butyricimonas(0.4351);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAATGG
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ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGTGGACTGGTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGTCAGTCTTGA
GTACAGTAGAGGTGGGCGGAACAAGTGAAGTAGCGGTGAAATGCTTAGATATCACTTGGAACCCCGATAGCGAAGG
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>OTU1550;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Rumin
ococcaceae(0.1098),g:Intestinimonas(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGACGG
TCCTCGGATTGTAAACCTTTGTCAACAGGAACGAAACAAATGACGGTACCTGTGGAGGAAGCCACGGCTAACTACGT
GCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGTGTAGGCGGAAAG
GCAAGTCAGATGTGAAAATGATGGGCTCAACCCATGACCTGCATTTGAAACTGTCTTCCTTGAGAGTGGGAGAGGTA
AATAGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATCAGGAGGAATACCGGTGGCGAAGGCGATTTACTGGCCC
ACAACTGACGCTGAGACACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1552;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8
520),f:"Prevotellaceae"(0.5632),g:Prevotella(0.0712);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCCGCCTTTTAAGCGTGTTGTGAAATGCAGTTGCCCAACATCTGCACTGCAGCGCGAACTGGAGGGCTTGA
GTTCACGGAAAGTTGGCGGAATTCGTTGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGC
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>OTU1553;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9168),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3
319),f:Bacteroidaceae(0.0904),g:Bacteroides(0.0181);

ACGGAAGGCAGCAGTGAGGAATATTGGACAATGGAGGGGAGTCTGATCCAGCCATGTCGCGTGAAGGACTACGGC
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CATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGATGGATGTTTAAGTCAGTTGTGAAAGGTCGGGGCTCAACCGTAAAATTGCAGTTCATACCGTGCTGCTTG
AGTGCGGCAGAGGCAGGCGGAATTTGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAG
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>OTU1555;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Lachn
ospiraceae(0.6350),g:Lachnospiracea_incertae_sedis(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCCACGCCGCGTGAGTGAAGAAGTA
TTTCGGTATTGAAAGCTCCATCAGCAGGGAAGATAATGATGGTACCTGACTAAGAAGCTCCGGCAAAATACGTGCCA
GCAGCCGCTGTAACACGTATGGAGCCAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGCGTAGGTGGCAGTGCAA
GTCAGATGTGAAAGGTCGGGGCTCAACCGCGGAGCTGCATTTGAAACTGGTCGGCTAGAGTACAGGAGAGGCAGG
CGGAATGCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGCAGAACACCGGTGGCGAAGGCGGCCTGCTAGAGTGT
TACTGACACTGAGGCACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1554;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.7114),o:Clostridiales(0.3959),f:Rumin
ococcaceae(0.1679),g:Clostridium_IV(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGACGAAAGTCTGACCCAGCGACGCCGCGTGAGGGAAGAAGGT
CTTCGGATTGTAAACCTTAGTAAGCAGGGAAGAAGGAAGTGACGGTATCTGCAGAGTAAGCCACGGCTAACTACGT
GCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGTGTAGGCGGGACG
ACAAGTCAGATGTGAAAATTGCAGGCTCAACCTGGAAAGTGCATTTGAAACTGCCGTTCTTGAGAGTCGGAGAGGTA
AATGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGATTTACTGGACG
ACAACTGACGCTGAGACACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1557;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9835),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5
023),f:"Prevotellaceae"(0.1679),g:Prevotella(0.0157);
ACGGGAGGCAGCAGTGAGGGATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTCGCGTGCAGGATGACGGT
CCTATGGTTTGTAAACTGCGTTTATAGGGGGGTAAAGTGTGTCACGTGTGGCATATTGCAGCTACCCTATGAATAAGG
ACCGGCTAATTCCGTTCCAGCAGCCGCGGTAATACTGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGCAGGCCGCCGGGCAAGCGTGTTGTGAAATGCAGTAGCTCAACGGCGGCACTGCAGCGAGAACTGCTCAGCTTG
AGTGCGCGCAACGTTGGCGGAATTCGCCGTGTAGCGGTGAAATGCTTAGATATGGCGAAGAACTCCGATTGCGAAG
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>OTU1558;tax=d:Bacteria(0.0024),p:"Tenericutes"(0.0000),c:Mollicutes(0.0000),o:Anaeroplasmatales(0.00
00),f:Anaeroplasmataceae(0.0000),g:Anaeroplasma(0.0000);

AGGTGAAGTTAAAGGTTCATATTTAAACATTACTGCAGCTACAATGGAAGAAGTGTACAAACGTGCTGAGTATGCTA
AAATGGTAGGATCTGTAATTGTAATGATCGATTTAGTAATGGGTTACACAGCAATTCAAAGTATTGCTTACTGGGCTC
GTGAAAACGACATGCTTTTACACTTACACCGTGCTGGTAACTCTACATATGCTCGTCAAAAGAACCATGGTATTAACTT
CCGTGTTATCTGTAAATGGATGCGTATGTCTGGTGTAGATCATAGCCACGCTGGAACAGTAATAGGTAAATTAGAAG
G
>OTU1556;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Eubac
teriaceae(0.0252),g:Alkalibaculum(0.0076);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGGGGAACCCTAACCCAGCAACGCCGCGTGAGGGAAGAAGGT
TTTCGGATCGTAAACCTCTGTCCTTGGTGAAGAGAAAGAGACGGTAGCCAAGGAGGAAGCCCCGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCATG
TAAGTCTGAAGTGAAAGTCCTGGCTTCAAGTTGGGAATTGCTTTGGATACTGTATGGCTTGAGTGCAGGAGAGGTAA
GTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGAGATTGTGAGGAACACCAGTGGCGAAGGCGGCTTTCCGGACTT
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>OTU1560;tax=d:Bacteria(0.0024),p:"Proteobacteria"(0.0000),c:Gammaproteobacteria(0.0000),o:Alterom
onadales(0.0000),f:Alteromonadaceae(0.0000),g:Marinobacterium(0.0000);
ACCAGCTTTATCAATACCATGAACACTATCAACCACACCAGACGCAGCCTCCGTGACGCCATTAGACATATCCTTTGCA
TTAGCGCCAATATGCGCAGAGCCATACCGCTGATTCTGCGTTTGCTGATGAACTAAGTCAACCTCAGCACTAACCTTG
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395),f:"Prevotellaceae"(0.1485),g:Alloprevotella(0.0326);
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766),f:"Porphyromonadaceae"(0.1872),g:Parabacteroides(0.0519);
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497),f:"Prevotellaceae"(0.9015),g:Prevotella(0.4787);
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cillaceae(0.8505),g:Lactobacillus(0.4787);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATCGAGCAACACCGCGTGAGTGAAGACGGGT
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ospiraceae(0.2184),g:Clostridium_XlVa(0.0423);
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diales_Incertae_Sedis_XIII(0.1485),g:Anaerovorax(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGAGAAAGCCTGATGCAGCAACGCCGCGTGAGCGAAGAAGGT
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ospiraceae(0.0904),g:Eisenbergiella(0.0181);
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ospiraceae(0.8505),g:Lachnospiracea_incertae_sedis(0.5720);
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ococcaceae(0.0904),g:Clostridium_III(0.0134);
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509),f:"Prevotellaceae"(0.3544),g:Prevotella(0.0326);
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303),f:"Prevotellaceae"(0.4563),g:Prevotella(0.0904);
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ococcaceae(0.2864),g:Clostridium_IV(0.0326);
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995),f:"Porphyromonadaceae"(0.4224),g:Parabacteroides(0.0904);
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023),f:Bacteroidaceae(0.1098),g:Bacteroides(0.0204);
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19),f:Erysipelotrichaceae(0.0710),g:Erysipelothrix(0.0134);
ACGGGAGGCAGCAGTAAGGAGTTTTCGGCAATGGGGGAAACCCTGACCGAGCAACGCCGCGTGAGTGCTAAGGTCT
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395),f:Bacteroidaceae(0.2524),g:Bacteroides(0.0712);
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352),f:Prolixibacteraceae(0.0086),g:Prolixibacter(0.0043);
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138),f:"Prevotellaceae"(0.1485),g:Prevotella(0.0326);
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319),f:"Prevotellaceae"(0.0560),g:Prevotella(0.0134);
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streptococcaceae(0.0710),g:Filifactor(0.0157);
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395),f:Bacteroidaceae(0.3204),g:Bacteroides(0.0904);
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ococcaceae(0.2524),g:Intestinimonas(0.0326);
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252),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0423);
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249),f:"Porphyromonadaceae"(0.0457),g:Butyricimonas(0.0110);
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9),f:Spirochaetaceae(0.1872),g:Treponema(0.0204);
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ospiraceae(0.1872),g:Clostridium_XlVa(0.0519);
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ospiraceae(0.7787),g:Lachnospiracea_incertae_sedis(0.4351);
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ococcaceae(0.1872),g:Clostridium_IV(0.0326);
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5),f:Spirochaetaceae(0.3544),g:Treponema(0.0519);
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9),f:Spirochaetaceae(0.0904),g:Treponema(0.0066);
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039),f:Bacteroidaceae(0.0904),g:Bacteroides(0.0181);
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(0.0000),f:Methylobacteriaceae(0.0000),g:Methylobacterium(0.0000);
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497),f:"Prevotellaceae"(0.8505),g:Prevotella(0.6200);
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>OTU1613;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:"Bacteroidia"(0.5195),o:"Bacteroidales"(0.2679),f:"Prevotellaceae"(0.0457),g:Paraprevotella(0.0110);

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>OTU1615;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Lachnospiraceae(0.3204),g:Eisenbergiella(0.0904);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAGGAAGCGTTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAGAAATGACGGTACCCTTGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCATGGCAAGTCTGATGTGAAAACCCAGGGCTCAACCGTGGGAGTGCATTGGAAACTGTCAAACTGGAGTGTCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGCGGCGAAGGCGGCTTACTGGACGATGACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1616;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.5766),f:"Prevotellaceae"(0.1872),g:Prevotella(0.0326);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGCGTGAAGGACGAAGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGAATAAAGTGGACCACGTATGGCGTTTTGCAGGTACCACATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCGGACTGGTAAGCCAGTTGTGAAATGTAGCGGCTCAACGTTTGAATTGCAGTGGGAACTGTCCAGCTTGAGTGCGGTAGAGGTTGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGGCGAAGAACTCCGATTGCGAAGGCAGCTGACGGGTGCGCAACTGACGCTGATGCTCGAAAGTGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU1618;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.5174),c:Sphingobacteriia(0.0626),o:"Sphingobacteriales"(0.0413),f:Sphingobacteriaceae(0.0099),g:Nubsella(0.0046);

ACGGAAGGCAGCAGTGAGGAATATTGGACAATGGATGGAAATCTGATCCAGCCAAGCCGCGTGCAGGAAGACGGTCCTATGGATTGTAAACTGCTTTAGCATGGGAGCAATAAGGTGTACGCGTACACCGTTGTGGGTACCATATGAATAAGCACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTCCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCTGTAAGTCAAGTCAGCGGTGAAAAGTCGGGGCTAAACCTCGAGGGTGCCGTTGAAACTGATTTACTAGAATGTGGATGAGGCAGGCGGAATGTGTGAAGTAGCGGTGAAATGCATAGATACGACAAAGAAGGCCGATTGCGAAGGCAGCTAGCAAAGGCACGATTGACGCTGAGGCACGAAAGTGCGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU1617;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.9389),f:"Prevotellaceae"(0.8146),g:Prevotella(0.3479);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGTCTTACAAGCGTGTTGTGAAATGCAGTGGCTCAACGTCGGCATTGCAGCGCGAACTGCGCAGCTTGAGTGCGCACAAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGGCGAAGAACTCCGATTGCGAAGGCAGCCTGCTGGAGCGTAACTGACGCTGATGCTCGAAGGTGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU1621;tax=d:Bacteria(1.0000),p:Firmicutes(0.3448),c:Erysipelotrichia(0.1740),o:Erysipelotrichales(0.0781),f:Erysipelotrichaceae(0.0252),g:Clostridium_XVIII(0.0076);

ACGGGAGGCAGCAGTAGGGAGTATTCGGCAATGGGGGAAACCCTGACCGAGCAACGCCGCGTGAAGGATGAAGGTCCTCGGATTGTAAACTTATGTGATAGGGGATGAATAGTAAAGGTAGGAAATGACTTTTACCTGACAGTACTCTATTAGAAAGCTACGACTAACTACGTGCCAGCAGTCGCGGTAATACGTAGGTAGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTGAGCAGGCGGTTTGAAAAGTCTGATGTAAAATGCTGTCGCTTAACGACAGTTGGCTTCAGAAACGATCTGACTAGAGTGCGGGAGAGGTAAGCGGAATTCCATATGTAGCGGTGAAATGCATAGATATATGGAGGAACACCAGTGGCGAAGGCGGCTTACCAGTCCGATACTGACGCTCAGTCACGAAAGCGTGGGTAGCAAATAGGATTAGATACCCTGGTA

>OTU1620;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7497),o:Clostridiales(0.4280),f:Ruminococcaceae(0.1679),g:Clostridium_III(0.0181);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCCTCGGGTTGTAAACTTCCTTTACCAGGGACGAAGGACGTGACGGTACCTGGAGAAAAAGCAACGGCTAACTACGTGCCAGCAGCCGCGGCAATACGTAGGTTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGATGCAAGTTGGGCGTGAAATCCCGGGGCTCAACGCCGGAACTGCTTTCAAAACTGTATCCCTTGAGTGTCGGAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCTTAGGTATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGAACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1622;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8755),o:"Bacteroidales"(0.7252),f:Bacteroidaceae(0.2524),g:Bacteroides(0.0712);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAAAGTCCGAACCAGCCAAGTAGCGTGAAGGAAGACGGCCCTATGGTTTGTAAACTTCTTTTGTGAGGGAATAAAGTACATCACGTGTGGTGTTTTGTCTGTACCTCATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGCAGGTTAAGTCAGAAGTGAAATCTCGAGGCTCAACCGTAAAATTGCATTTGAAACTGGTATGCTTGAGTGCGGAAGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTTGCTGGAGCGTAACTGACGCTGATGCTCGAAAGTGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU1619;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Rumin
ococcaceae(0.1098),g:Ruminococcus(0.0134);
ACGGAAGGCAGCAGTGGGGGATATTGCGCAATGGGGGAAACCCTGACGCAGCAACGCCGCGTGAAGGAAGACGGT
TTTCGGATTGTAAACTTCTTTTGTTAAGGACGAATAGATGACGGTACTTAACGAATAAGCTCCGGCTAACTATGTGCC
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798),f:"Prevotellaceae"(0.9294),g:Prevotella(0.8124);
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GTACGCACAAAGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAGGAACTCCGATTGCGAAGG
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>OTU1626;tax=d:Bacteria(0.0024),p:"Actinobacteria"(0.0000),c:Actinobacteria(0.0000),o:Coriobacteriales(
0.0000),f:Coriobacteriaceae(0.0000),g:Collinsella(0.0000);
GGGATCGTTTGCGAGCGCTGCGGCGTTGAGGTCACCGAGAGTCGGGTGCGCCGCCATCGCATGGGCTTCATCAAGC
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9939),f:"Fusobacteriaceae"(0.9900),g:Fusobacterium(0.2607);
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>OTU1624;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7497),o:Clostridiales(0.3959),f:Ruminococcaceae(0.1679),g:Clostridium_III(0.0157);
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GGCATTGTTTGTGAGCGCTGTGGTGTGGAAGTCACAGAGAGCAGGGTGCGTCGCCACCGCATGGGTTTCATCAAGCTCGCTGCTCCCGTGTCCCACGTTTGGTACCTGAAAGGCATACCCAGCTACGTGGCCATCCTTCTGGACATGCCCCTGTGGGACGTTGAGCAGATTGTTTACTTCAACTGTTACGTGGTGCTGGACCCCGGCGACCACAAAGAGCTGAAGTACAAACAGCTGCTCACCGAGGACGAGTGGCTGGAGATCGAAGACGAGATCTATGCCGAGGAATCGGAGATCGAGAACGAGCCTGTGGTGGGCATCGGTGCTGAGGCGCTCAAGCAACTGCTCGAAGACCTCAACCTGGAGGAAGTGGCTGAGCAGCTGCGTGAGGAGATCAACGGCAGCAAAGGCCAGAAGCGGGCCAAGCTGACCAAGCGCCTACG
>OTU1627;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9769),o:Clostridiales(0.9606),f:Clostridiaceae_1(0.7068),g:Clostridium_sensu_stricto(0.5239);
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>OTU1631;tax=d:Bacteria(0.0024),p:"Bacteroidetes"(0.0000),c:"Bacteroidia"(0.0000),o:"Bacteroidales"(0.0000),f:"Porphyromonadaceae"(0.0000),g:Petrimonas(0.0000);
TCCCATCTTGGCTTCCTTGCTGGTCCGATTGGTCGTCTTATTCCCATTTCACCTACTCCGGTTATCGCTGTCGACTCCTTCGAGCTGGACGCCGTTGGCGCTCTCCGTCTTTCTCCATTGCGTCGTGGCCTTGCTATTGACTCTACTGTAGACATTTTTACTTTTTATGTCCCTCATCGTCACGTTTATGGTGAACAGTGGATTAAGTTCATGAAGGATGGTGTTAATGCCACTCCTCTCCCGACTGTTAACACTACTGGTGATATTGACCATACCGCGTTTCTTGGCACGATTAACACTGAGACCAATAAAAGCCCTAAGCATTTGGTGCAGGGTTATTTGAATATCGATAACAACTAGTTTAAAGCGCCGTGGAG
>OTU1630;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Lachnospiraceae(0.3544),g:Clostridium_XlVa(0.1299);

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ospiraceae(0.6709),g:Coprococcus(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGAAGCCGAGTGAGCGAAGAAGTA
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000),f:Thermodesulfobiaceae(0.0000),g:Coprothermobacter(0.0000);
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ales"(0.1483),f:Sphingobacteriaceae(0.0560),g:Solitalea(0.0110);
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>OTU1635;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9719),o:"Bacteroidales"(0.8
846),f:"Prevotellaceae"(0.6350),g:Prevotella(0.1299);

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ales(0.8737),f:Burkholderiales_incertae_sedis(0.6350),g:Mitsuaria(0.4787);
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509),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0326);
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0.3319),f:Coriobacteriaceae(0.1679),g:Collinsella(0.0157);
ACTTAATTCATCATTTTTTAATATTGCGCAATGGGTGAAACCCTTACGCATCGACGCCGCGTGCGGGAAGGAGGCCCT
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ococcaceae(0.7787),g:Clostridium_IV(0.3915);

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ococcaceae(0.4563),g:Ruminococcus(0.1299);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGT
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999),f:Bacteroidaceae(0.0710),g:Bacteroides(0.0157);
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GAGTGTATTCGATGTCAGCGGAATTTGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAG
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>OTU1641;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Rumin
ococcaceae(0.1679),g:Pseudoflavonifractor(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGAACCAGCAAAGCCGCGTGAAGGATGAAGG
GTTTCGGATTGTAAACTTCTTTTAAGAGGGACGTTAATGACGGTACGTCTTGAATAAGCCACGGCTAACTAGGTGCCA
GAAGGAGCGGTAATAAGTAGGGGGCAAGCGTTATACGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGATTTCA
AGACAGATGTGAAAACCGAAGGCTCAACCTTCGGCCTGCATTTGAAACTGTAGTTCTTGAGTGCTTGAGATGCTAAC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGTTAGCTGGACAGTA
ACTGACGCTGAGGCTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU1642;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9540),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4
652),f:"Porphyromonadaceae"(0.1098),g:Parabacteroides(0.0204);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTCGCGTGAAGGATGAAGGT
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TCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGGTTCATTGGGTTTAAAGGGA
GCGTAGGCGGATTTTTAAGTCAGTAGTGAAAGTTTGAGGCTCAACCTTAAAATTGCAGTTGAAACTGGAAGTCTTGA
GTGCACGCAGAGGTGCCGGAATTCATGGTGTAGCGGTGAAATGCTTAGATATCATGAAGAACTCCGATTGCGAAGG
CAGCTTGCTGTAGCGTTACTGACGCTGAAGTTCGAAAGCGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU1643;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Deltaproteobacteria(0.9769),o:Desulfovibr
ionales(0.9606),f:Desulfovibrionaceae(0.8505),g:Desulfovibrio(0.7162);
ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCAGCGTGAGGGATGACGGT
CTTCGGATCGTAAACCTCTGTCAGAAGGGAAGAAACTAGGGTGCTCCAATCATCATCCTACTTACGGTACCTTCAAAG
GAAGCACCAGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGTATCACTGGGCGTA
AAGCGCACGTAGGCTGTTATGTAAGTGAGGTGTGAAGGGCCACGGCTCAACCGTGGAACTGCCGTGGGTACTGCAC
GACTCGAATCCGGGGGAGGGTGGCGGAATTCGAGGTGTAGGAGTGAAATCCGTAGATATCTGGAGGAACATCAGT
GGCGAAGGCGGCCACCTGGACCGGTATTGACGCTGAGGTGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCT
GGTA
>OTU1646;tax=d:Bacteria(0.0041),p:"Bacteroidetes"(0.0000),c:Sphingobacteriia(0.0000),o:"Sphingobacteri
ales"(0.0000),f:Sphingobacteriaceae(0.0000),g:Sphingobacterium(0.0000);
GTGAATCATCGAATCTTTGAACGCACCTTGCGCCTTCTAGTTATTCTGGAAAGCATGCTTGTTTGAGTGTCGCGAACTT
CTCAACCCCGCCTTTTGTAATGAGAGGTAGCCTGGGCTTGAATCATGGTCTTTTGCCGTTTATTCGGCTAGACTGAAAT
GCAGTAAGCTGCATGCACGATTGTAACGGCTTGACCTGATGTTGTAGTATCTATAAACTCATCGGGGATCGTTATTGA
CAGTTGCAAAGAGCTTTAAGCTTTGAATTTTAATAGTACATAATGACCTCAAATCAAGTAGGACTACCCGCTGAACTT
AAGCATATCAATAAGCGGAGGGA
>OTU1644;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Rumin
ococcaceae(0.1291),g:Clostridium_III(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
TTTCGGATCGTAAAGCTCTGTCTTTGGGGAAGATATTGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGAGACA
GCACCCGCGGCACTACGTAGGCGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGAATGCAA
GTCAGATGTGAAATCCAAGGGCTCAACCCTTGAACTGCATTTGATACTGTATTACTTGAGTGTCGGAGAGGTTGACG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGTCAACTGGACGATAA
CTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1645;tax=d:Bacteria(1.0000),p:Firmicutes(0.1905),c:Clostridia(0.0726),o:Clostridiales(0.0473),f:Rumin
ococcaceae(0.0113),g:Papillibacter(0.0056);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGATGGAAATCTGAACCAGCCATGCCGCGTGCAGGATGACGGTC
CTATGGATTGTAAACTGCTTTTGCATGGGAGCAATAAGGTGTACGCGTACACCGATGAGAGTACCATGAGAATAAGC
ACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGC
ACGCAGGCGGTTTGTCAAGTGTGATGTGAAATGCCGGGGCTTAACCACGGAACTGCATTTGAAACTGTTGCCCTTGA
GTGTGGGAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAG
GCGGCTTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1647;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Bacilli(0.9321),o:Lactobacillales(0.7623),f:Lactoba
cillaceae(0.4224),g:Lactobacillus(0.1299);
ACGGGAGGCAGCAGTAGGGTATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTT
TTCGGATCGTAAAGCTCTGTTGCTGGTGAAGAATGACGGCAGCAGTAACTGGCTGTCGTTTGACGGTAATCAACCAG
AAAGACACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTGTTGGGCGTA
AAGCGAGCGCAGGCGGAAAGATAAGTCTGAAGTGAAAGCCCCCGGCCGAACCGGGTAACTGCTTCGGAACCTGACC
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>OTU1648;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Clostri
diaceae_1(0.0113),g:Clostridium_sensu_stricto(0.0056);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGAGGGAACTCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
CCTCTGGGTTGTAAACTTCTGTTGTATAGGAAAAAGAAGTGATGGTACTATACGAGTAAGCTACGGCAAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGTAGCAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGAGTCTAGGTGGCTAAT
TAAGTCAACTGTGAAAGCCTATGGCTTAACCATAGAAGAGCAGTTGATACTGGATAGCTGGAGTGCAGGAGAGGTA
ATGGGAATTCCTAGTGTAGCGGTAAAATGCGTAGAGATTAGGAGGAACACCAGAGGCGAAGGCGCATTACTGGACT
GTAACTGACACTGAAGCTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU1651;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Bacilli(0.4045),o:Lactobacillales(0.1249),f:Lactoba
cillaceae(0.0355),g:Lactobacillus(0.0087);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
TTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGAGAGAGATAGTAACTGGCCTTTATTTGATGGTAATGAACCA
GAAAGTTATGGCTAACTACGTGCCAGTAGCCGCGTTAATACGTAGGTGGCGAGCGTTGTCCGGAATGATTGGGCGTA
AAGGGCGCGTAGGCGGCCCGTTAAGTCTGGAGTGAAAGTCCTGCTTTCAAGGTGGGAATTGCTTTGAATACTGATGA
GCTAGAGTGCAAGAGAGGAGAGCGGAATTACCGGTGTAGCGGTGAAATGCGTAGATATCGGTAGGAACACCAGTG
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GTA

>OTU1649;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Alphaproteobacteria(0.9984),o:Caulobacterales(0.9798),f:Caulobacteraceae(0.9868),g:Brevundimonas(0.9781);
GTGCCAGCAGCCGCGGTAATACGAAGGGGGCTAGCGTTGCTCGGAATTACTGGGCGTAAAGGGAGCGTAGGCGGACATTTAAGTCAGGGGTGAAATCCCAGAGCTCAACTCTGGAACTGCCTTTGATACTGGATGTCTTGAGTGTGAGAGAGGTATGTGGAACTCCGAGTGTAGAGGTGAAATTCGTAGATATTCGGAAGAACACCAGTGGCGAAGGCGACATACTGGCTCATTACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTAGTCCACGCCGTAAACGATGATTGCTAGTTGTCGGGATGTTTACATCTCGGTGACGCAGCTAACGCATTAAGCAATCCGCCTGGGGAGTACGGTCGCAAGATTAAAACTCAAAGGAATTGGCGGGG
>OTU1650;tax=d:Bacteria(1.0000),p:Firmicutes(0.9994),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Lachnospiraceae(0.4914),g:Clostridium_XlVa(0.3043);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGAAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTAATGCAAGTCTGAAGTGAAAGGCCGGGGCTCAACCTCGGGACTGCTTTGGAAACTGTGTAGCTGGAGTACAGGAGAGGTAAGTGGAATTCCTAGTGCAGCGGCGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAGGGCGGCTTACTGGACTGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1652;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9987),c:Epsilonproteobacteria(0.9747),o:Campylobacterales(0.8737),f:Campylobacteraceae(0.7787),g:Campylobacter(0.6681);
ACGGAAGGCAGCAGTAGGGAATATTGCGCAATGGGGGAAACCCTGACGCAGCAACGCCGCGTGGAGGATGACACTTTTCGGAGCGTAAACTCCTTTTCTTAGGGAAGTATTCTCACGGTTCCTAAGGCATAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTACTCGGAATCACTGGGCGTAAAGGGCGCGTAGGCGGATTATCAAGTCTCTTGTGAAATCTAATGGCTTAACCGTAAAACTGCTGGGGATACTGGTTATCTTGAGTGCAGGAGAGGCAGGTGGAATTGGTGGTGTAGGGGTGAAATCCGTAGATATCACGAAGAATACCCATTGCGAAGGCGATCTGCTAGAACTCAACTGACACTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1655;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9604),o:"Bacteroidales"(0.8629),f:"Prevotellaceae"(0.4914),g:Prevotella(0.2607);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATAAGGGAATAAAGTGAGTCTCGTGAGACTTTTTGCATGTACCTTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTAGTGGGTTTAAAGGGAGCGTGGGCCGTCTCTTAAGCGGTGTGTGACATGCCGCGGCTCAACCGTGTCACTGCAGCGCGAACTGGAGGCCTTGAGTGCGCGGGAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGAGAGGGCAGCTTACCGTAGCGCTACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU1653;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9791),o:Clostridiales(0.9730),f:Rumin
ococcaceae(0.9294),g:Gemmiger(0.2607);
ACTCCTTCCTCCTTTTTGGATATTTCACAATTGGGGAAACCCTGATGCAGCGACGCCGCGTGGAGGAAGAAGGTTTTC
GGATTGTAAACTCCTGTCGTAAGGGACGATAATGACGGTACCTTACAAGAAAGCCACGGCTAACTACGTGCCAGCAG
CCGCGGTAAAACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGACCGGCAAGTT
GGAAGTGAAAACTATGGGCTCAACCCATAAACTGCTTTCAAAACTGCTGGCCTTGAGTAGTGCAGAGGTAGGCGGAA
TTCCCGGTGTAGCGGTGGAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGACCTACTGGGCACCAACTG
ACGCTGAGGCTCGAAAGTGTGGGTAGCAAGCAGGATTAGATACCCTGGTA
>OTU1654;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8808),c:"Bacteroidia"(0.4812),o:"Bacteroidales"(0.2
359),f:"Prevotellaceae"(0.0355),g:Prevotella(0.0087);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGCCGCAAGGCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTCGGGTTGTAAACTGCTTTTAGTCGGGAATAAAAGGGCGCACGTGTGCGCCGTATTGCAGGTACCGTCAGAAAAA
GGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGG
GAGCGTAGGCGGTCTGGTAAGTCAGCTGTGAAAACGCGGGGCTCAACCCGGAAAGTGCCGTTGATACTGTGAGGCT
GGAATGCGGATGCTGTGGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCACTCAGAACACCGATTGCGA
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>OTU1656;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.5195),o:Clostridiales(0.2359),f:Rumin
ococcaceae(0.0710),g:Intestinimonas(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAAGGAAGAAGGT
CTTCGGATTGTAAACTTTAGTCAACAGGGAAGAAAAAAATGACGGTACCTGTGGAGGAAGCCACGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGTGTAGGCGGACCGG
CAAGTCAGATGTGAAAATTATGGGCTTAACTCATAACCTGCATTTGAAACTGTCGGCCTTGAGAGTGGGAGAGGTAA
ATAGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAATACCGGTGGCGAATGCGATTTACTGGACCA
CAACTGACGCTGAGACACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1659;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.6
138),f:Bacteroidaceae(0.1872),g:Bacteroides(0.0519);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGATAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAAGGG
TCTATGGGCTGTAAACTTCTTTTGTAAAAGAAGAAAAAGGAGGATGAATAATGCGATGCCAGTATTATATGAATAAG
CATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGTGGACTGTTAAGTCAGTTGTGAAAGTCTGTGGCTCAACCATAAAATTGCAGTTGATACTGTCAGTCTTGA
GTACTGTTGAGGTAGGCGGAATGCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGG
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>OTU1657;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9877),o:Lactobacillales(0.9389),f:Lactobacillaceae(0.8146),g:Lactobacillus(0.3479);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGCAGGGTTTCGGCTCGTACAGCTCTGTTGTTGTAGAAGAACGTTCGTGAGAGTAACTGTTCACGCCGTGACGGTATCCAACCAGAAAGTCACGGCTAACTACGTGCCAGAAGCCGCGGTAATACGTAGGTGGCACGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTGCTGAGGTCTGAGGTGAAAGCCTTCGGCTGAACCGAAGAAGTGCATCGGAAAACGGTCGACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGAGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCGGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU1658;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Lachnospiraceae(0.5273),g:Clostridium_XlVa(0.2171);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAGATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTACCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTTATGCAAGTCTGAAGTGAAAGCCCAAGGCTGAACCATGGGACTGCTTTGGAAACTGTAAAACTGGAGTGCAGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACAGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1660;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9441),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.5766),f:Bacteroidaceae(0.3884),g:Bacteroides(0.1735);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTATGTATACTGTTTTGTATGTATTATATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGACGGCATGACAAGCCAGATGTGAAAACCCAGGGCTCAACCCTGGGACTGCATTTGGAACTGCCAGGCTGGAGTGCAGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGGTATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1663;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.5766),f:"Prevotellaceae"(0.3204),g:Prevotella(0.0326);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTGGGCCACTCGTGGCCTTTTTCAGGTACCGCATGAATCAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGCCGGGCAAGCGTGTTGTGAAATGCAGTGGCTCAACGTCGGAACTGCAGCGAGAACTGCCCAGCTTGAGTGCGAGAAAGGTTGGAGGAATTCGCAGTGTAGAGGTGAAATGCGTAGATATGGAGAAGAACTCCGATGGCGAAGGCAGCTGACGGGTGCGTAACTGACGCTCATGCGCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU1662;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Clostridiaceae_1(0.1872),g:Clostridium_sensu_stricto(0.0423);
ACGGGAGGCAGCAGTGAGGAACATTGGTCAATGGACGAGAGCCTGAACCAGCCAAGTAGCGTGAGGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATACGGGAATAAGGTTAGGCACGTGTGCCTGTTTGTATGTACCGTATGAATAAGGATCGGCCAACGCCGTGCCAGCAGCCGCGGTAATACGGCGGAACCGCGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAAGTGGGATGTGAAATACCCGGGCTTAACTTGGGTGCTGCATTCCAAACTGGTGATCTAGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1665;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8520),f:"Porphyromonadaceae"(0.6709),g:Butyricimonas(0.3915);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGATGAATGGTCTATGGCTTGTAAACCTCTTTTGTCAGGGAAGAATAAAACGCACGGGTGCGTTCTTGCCAGTACTCGACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGGTAGATAAGTTAGCGGTAAAAGGCTGCAGCTAAACTGGAGCACGCCTTGAAAACTGGCGCCCTAGGAACGAGACGAGGGAGGCGGAACAAGTGAAGTAGCGGTGAAATGCATAGATATGACTTAGAACACCGATAGCGAAGGCAGCTTCCCAGGCTCGGTCTGACGCTGAAGCGCGGGAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU1664;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Peptostreptococcaceae(0.4563),g:Clostridium_XI(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGTCTGATGCAGCAACGTCGCGTGAGCGATGAAGGCCTTCCGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGCACTTGAGGAGGAAGCACCGGCTACCTACGTTACAGCAGCCGCGGCAACACGCCGGGGGCCAGCGTTATCCGGATTTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGGAGTGAAAGGCTACGGCTCAACCGTAGTAAGCTGTTGAAACTGGGAAACTTGAGTGCAGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTAGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1661;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Ruminococcaceae(0.3884),g:Intestinimonas(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTGTCAGGGACGAGAAGAAGACGGTACCTGACGAATAAGCCACGGCTAACTACGTGCCAGCAGCCTCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGTTGGCAAGTCAGATGTGAAATCCACGGGCTTAACTCCGGAATTGCGTTGGGAACTGCATAACTAGAGTCACTGAGGGGCAATCAGAATTCCAGGTGTAGGGGTGAAATCTGTAGATATCTGGAAGAATACCAATGGCGAAGGCGGCCTGCTGGACATTAACTGACGCTGAGGAGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1668;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Lachnospiraceae(0.1485),g:Dorea(0.0326);

ACGGAAGGTAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAAGGATGAAGTATTTCGGTATGTAAACTTCTATCAGCAGGGAAGAAAATGACGGCACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGTGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCCTGATAAGTCTGGAGTGAAAGTCCTGCTTTCAAGGTGGGAATTGCTTTGGATACTGTTGGGCTGGAGTGCAGGAGAGGAAAGCGGAATTACCGGTGTAGCGGTGAAATGCGTAGAGATCGGTAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTAACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU1666;tax=d:Bacteria(1.0000),p:"Tenericutes"(0.2586),c:Mollicutes(0.1159),o:Haloplasmatales(0.0547),f:Haloplasmataceae(0.0149),g:Haloplasma(0.0066);

AAGGGAGGCAGCAGTGGGGAAGAGGGGGGAAGGGGAGAAAGCCGGACCCAGCAATGCCGCGTGAGTGAAGAAGGTCTTCGGATTGTAAAGCTCGTTGATTAGGGACGAAAAAATGACTGTACCTAAAGAACAAGCCCCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATTATTGGGCGTAAAGGGTTCGTAGGTGGTTTAGCAAGTTGGAAGTGAAATACCCAGGGCTTAACTCGGGTGCTGCTTTCAAAACTCCTAGACTTGAGTGTGGGATAGAATAGTGGAATTCCTAGTGTAGCGGTGTAATGCGTAGATATTAGGAGGAACACCAGTGGCGATGGCGACTATTTGGCCCATAACTGACACTGAGTCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1667;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Ruminococcaceae(0.1679),g:Acetivibrio(0.0326);

ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGATTGAAGAAGGTCTTCGGATTGTAAACTCCTGTCGTGAAGGACGATAATGACGGTACTTCATGAGGAAGCTCCGGCTAACTATGTGCCAGCAGCCGCGGTAATACGTAGGTTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGGAGCAAGTCAGATGTGAAATCCATGGGCTTAACCCATGAACTGCATTTGAAACTGTGTCCCTTGAGTATCGGAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1669;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Erysipelotrichia(0.5195),o:Erysipelotrichales(0.2679),f:Erysipelotrichaceae(0.1291),g:Turicibacter(0.0230);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAAGCCTGACCGAGCAACGCCGCGTGAATGATGAAGGCCTTCGGGTTGTAAAATTCTGTTATAAGGGAAGAATGGCTCTAGTAGGAAATGGCTAGAGTGTGACGGTACCTTATGAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTATTGGGTGTAAAGGGCGCGTAGACGGCCGGGTAAGTCAGAGGTGAAAGCCCATGTTTCAAGGATGGAATTGCCGGTAATACTGCGTGGCTTGAGTGCAGGAGAGGGAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTGCTGGGCTCTAACTGACGCTGAGGCTCGAAAGTGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU1670;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Ruminococcaceae(0.3544),g:Ruminococcus(0.0904);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTTAACGATGAAGGTCTTCGTATTGTAAAGTTCTTTTATTAAGGACGAAGAAGTGACGGTACTTAATGAATAAGCTCCGGCTAACTACGTGCCATCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCAGAGCAAGTCAGATGTGAAATCCATGGGCTGAACCGATGGAGTGCAATGGAAACTGTTTCACTGGAGTGAAGTAGAGGCAGGCGGAATTCATAGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGGACTGAAGGACGATGAATGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1672;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9776),o:"Enterobacteriales"(0.8846),f:Enterobacteriaceae(0.8146),g:Escherichia/Shigella(0.4351);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGATAATACCTTTGCTCATTGACGATATCCGCAGAAGAAGCACCGGCTAAATCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGGGAATCGGAATTACTGGGCGTAAAGCGGACGCAGGCGGTTTGTTAAGTCCGCAGTGAAAGCCCCGGGCTCAACCTGGGAACTGCATCTGATACTGGCAAGCTTGAGTGTCGTACAGGGGGGTAGAATTCCAGGTATAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGGCGAAGGCGGCCCCCTGGACGAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1671;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Clostridiaceae_1(0.5632),g:Clostridium_sensu_stricto(0.3479);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGTATGATGAAGGCCTTAGGGTTGTAAAGCTCTTTCTTCTGGGACGATAATGACGGTACCAGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGAAGGTGGCTAGCGTTGTCCGGATTGACTGGGCGTAAAGGATGCGTAGGCGGATTCTTCAGTTAGATGTGAAATACCCGAGCTTAACCTGGGTGCTGCATTTGAAACTGGGAATCTAGAGTGTGAGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCGGTGGCGAAGGCGGCTTTCTGGACGATGACTGACGCTGAGGCATGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1675;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Bacilli(0.6346),o:Lactobacillales(0.3639),f:Lactobacillaceae(0.1872),g:Lactobacillus(0.0519);
AAGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAACAACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGATAATGACGGTACCTGACTAAGAAGCTCCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGGAGGTGGCAAGCGTTGTCCGGATTTAGTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCCTCGGCCTAACCGAGGAACTGCATCGGAAACTGTTTTTCTTGTGTGCAGAAGAGGCGAGTGCACCTCCATCTGTAGCGGTGGAATGCGTAGATATATGGAAGAACCCCCGTGGCGAAGGCGGCTCTCTGGTCTGCAATTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACCGGATTAGATACCCTGGTA

>OTU1673;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Lachnospiraceae(0.4914),g:Roseburia(0.1735);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGGGAAGAAGGATTTCGGTATGTAAAGCTCTATCAGTAGGGAAGAAAAAGACGGTACGTGTCTAAGAAGCCCCGGCCAGCAACGTGACAGCAGCCGCGGCAATACGCCGGGGGCAGGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGAAGGCTAAGTCTGATGTGAAAGCCCGGGGCTCAACCGCGGTACTGCATTGGAAACTGGTGATCTAGAGTGTCGGAGGGGTAAGTGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1674;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Bacilli(0.7497),o:Lactobacillales(0.4652),f:Lactobacillaceae(0.2864),g:Lactobacillus(0.0808);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTAGAGAAGAACGTGCGTGAGAGCAACTGTTCACGCAGTGACGGTATCTAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGATAGAAAGTCAGCTGTGAAAACTATGGGCTCAACCCATAAACTGCAGTTGAAACTGTTATTCTTGAGTGGAGTAGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTAAGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU1678;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9867),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.7995),f:Bacteroidaceae(0.3884),g:Bacteroides(0.1735);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTCTATGGGTCGTAAACTTCATTTATATAAGAATAAAGTGCAGTATGTATACTGTATTGTATGTATTATATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGGTAAGTCAGCTGTGAAAACGCGGGGCTCAACTCCGCGCCTGCAGTTGATACTGTCGGACTTGAGTGCACGCAGGGATGCCGGAATTCATGGTGTAGCGGTGAAATGCTTAGATATCATGAAGAACTCCGATCGCGAAGGCAGCTTGCGAGGATACGATTGACGCTGAAGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU1676;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9755),o:"Enterobacteriales"(0.8412),f:Enterobacteriaceae(0.6709),g:Escherichia/Shigella(0.3043);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTGCTAATTGACGTTACCCGCAGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGCACGCAGGCGGTTTGTTAAGTCAGACGTGAAAGCCCGGGGCTCAACCTGGGAACTGCACCTGATACTGGGAAGCTTGAGTGTCGTAGAGGGGGGTAGAATTCCATGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCAGTGGCGAAGGCGGCCTCCTGGACGAAGACTGAAGCTCAGGTCCGAAAGCGTGGGGAGCAAACAGGCTTAGATAACCTGGTA

>OTU1679;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Bacilli(0.9321),o:Lactobacillales(0.8303),f:Lactobacillaceae(0.5991),g:Lactobacillus(0.2171);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGAGTAGGCGGATTGGCAAGTTGGGAGTGAAATGTCGGGGCTTAACCCCGGAACTGCTTCCAAAACTGTTGATCTTGAGTGATGGAGAGGCAGGCGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU1677;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9769),o:Clostridiales(0.9606),f:Clostridiaceae_1(0.6709),g:Clostridium_sensu_stricto(0.4351);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGGCCTTCGAGTTGTAAAGCTCTATCTGCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTGGTAAGTGAGATGTGAAATACCTGGGCTTAACTTGGGTACTGCATTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAAGGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGCTTCACTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1683;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Peptostreptococcaceae(0.2864),g:Clostridium_XI(0.0808);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGTGGCCATTTAAGTCAGCGGTGAAAGTTTGTGGCTCAACCATAAAATTGCCGTTGAAACTGGAGGGCTTGAGTATCGGAGAGGCAAGCGGAATGCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1682;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Ruminococcaceae(0.1872),g:Intestinimonas(0.0204);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGTAAACTTCTATTACCAGGGACGAAGGACGTGACGGTACCTGGAGAAAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAACGCAGGCGGAGAAGCAAGTCAGTGGTGAAAACGATGGGCTTAAACCATCGACTGCCATTGAAACTGTTTCCCTTGAGTGAAGTAGAGGCAGGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACATCAGTGGCGAAGGCGACTTACTGGACGATAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1681;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Eubacteriaceae(0.0149),g:Eubacterium(0.0066);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGATTGAAGAAGGTCTTCGGATTGTAAAGGTCTTTTATTGGTGACGAAAAAATGACGGTAGCCAATGAATAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGACTGGGCGTAAAGGGTGTGTAGGCGGTTTTGCAAGTTGAAAGTGTAATACCGGGGCTTAACTCCGGTGCTGCTTTCAAAACTGTAAGACTTGAGTGCAGTAGAGAAGGGCGGAATTCCTAGTGTAGCGGTGGAATGCGTAGAGATTAGGAAGAACACCAGAGGCGAAGGCGGCTCTTTGGACTGTAACTGACGCTGAGGCACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1680;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Lachnospiraceae(0.3884),g:Clostridium_XlVa(0.1735);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGAATGCAAGTCAGATGTGAAATCTAGGGGCTTAACCCCTAAACTGCATTTGAAACTGTATTTCTTGAGTGTCGGAGAGGTTGACGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACAGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1684;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Clostridiaceae_1(0.7428),g:Clostridium_sensu_stricto(0.5720);

GTGTCACCGCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGCGTAAAGAGTATGTAGGCGGATATTTAAGTCAGATGTGAAATTCCCGGGCTTAACCTGGGCGCTGCATTTGAAACTGGGTATCTAGAGTGCGGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAGATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTTTCTGGACCGTAACTGACGCTGAGATACGAAAGCGTGGGGAGCAAACAGGATTAGAGACCCTGGTAGGCCACGCCGTAAACGATGAATACTAGGTGTCGGGGGGTACCACGCTCGGTGCCGCAGCAAACGCAATAAGTATTCCGACTGGGGAGTACGGTCGCAAGATTAAAACTCAAATGAATTGGCGGGG

>OTU1685;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Erysipelotrichia(0.8755),o:Erysipelotrichales(0.7252),f:Erysipelotrichaceae(0.5273),g:Turicibacter(0.3479);

ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGAATGATGAAGGCCTTCGGGTTGTAAAATTCTGTTATAAGGGAAGAACGACTTTAGTAGGAAATGGCTAGAGTGTGACGGTACCTTATGAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGAATTATTGGGCGTAAAGAGCGCGCAGGTGGTTGATTAATCTGGAGGTGAAAGCCCACGCGTTAACCTGGGGGGGTCATTGGAACCGGGCCGACTTGAGTGCAGAGGGGGGAATTGGATTTCCATGTGTAGGGGTGAAATCCTTAGAGATAGGGAGGGGAACCAGGGGGGAAGGCGGCTCCCGGGTCGGTAACGGAACTGGAGGCGAGAAAGCGGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1687;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9984),o:Pseudomonadales(0.9941),f:Moraxellaceae(0.9890),g:Acinetobacter(0.9781);
GTGTCAGCCGCCGCGGTAATACAGAGGGTGCGAGCGTTAATCGGATTTACTGGGCGTAAAGCGTGCGTAGGCGGCTTTTTAAGTCGGATGTGAAATCCCTGAGCTTAACTTAGGAATTGCATTCGATACTGGAAAGCTAGAGTATGGGAGAGGATGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGATGGCGAAGGCAGCCATCTGGCCTAATACTGACGCTGAGGTACGAAAGCATGGGGAGCAAACAGGATTAGATACCCTGGTAGTCCATGCCGTAAACGATGTCTACTAGCCGTTGGGGCCTTTGAGGCTTTAGTGGCGCAGCTAACGCGATAAGTAGACCGCCTGGGGAGTACGGTCGCAAGACTAAAACTCAAAGGAATTGACGGGG
>OTU1686;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:Flavobacteriia(0.1159),o:"Flavobacteriales"(0.0547),f:Flavobacteriaceae(0.0149),g:Mesonia(0.0066);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATACCGCGTGAAGGACTAAGGCCCTATGGGCTGTAAACTTCTTTAGACGCAGAGCAATAAGGTCCACGAGTGGATCGATGAGAGTATGCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCAAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCGGCTTGGCAAGTCAGAGGTGAAAGGCCCGGGCTAAACCCGGAAAGTGCAGTTGATACTGTTAGGCTTGAATGCGGATGCTGTGGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCACTCAGAACACCGATTGCGAAGGCATCTAACAAATCCGTGATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU1688;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Ruminococcaceae(0.2184),g:Gemmiger(0.0230);
ACGGGAGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCCGCGACGCCGCGTGAGCGAAGAAGATCCTCGGATTGTAAAGCTCTGTCTTAGGGGACGATAATGACGGTACCCTGAGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGTCGGCAAGTTGGAAGTGAAAATCATGGGCTCAACCCATGACCTGCTTTCAAAACTGTCGGTCTTGAGTGGTGCAGAGGTAGGTGGAATTCCCAGTGTAGCGGTGGAATGCGTAGATATTGGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGGCACTAACTGACGCTGAGGCTCGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU1689;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Erysipelotrichia(0.4428),o:Erysipelotrichales(0.2039),f:Erysipelotrichaceae(0.0904),g:Turicibacter(0.0181);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGTTGCAGCAACGCCGCGTGAGGGAAGACGGTTTTCGGATTGTAAACCTCTGTCATTAGTGACGAAGAAGTGACGGTAGCTAATGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGTGTAGGCGGTTCTGCAAGTCTGGTGTGAAATGCTGGGGCTCAACCCCGGAACTGCGTTGGAAACTGGTCGACTTGAGTGCAGAAGAGGGAAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGAGATATGGAGGAACACCAGTGGCGAAGGCGGCTTCCTGGTCTGTAACTGACACTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1690;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9892),o:Pseudomonadales(0.9941),f:Moraxellaceae(0.9890),g:Enhydrobacter(0.9818);
GTGCCAGCAGCCGCGGTAATACAGAGGGTGCGAGCGTTAATCGGAATTACTGGGCGTAAAGCGAGTGTAGGTGGCTCATTAAGTCACATGTGAAATCCCCGGGCTTAACCTGGGAACTGCATGTGATACTGGTGGTGCTAGAATATGTGAGAGGGAAGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGATGGCGAAGGCAGCTTCCTGGCATAATATTGACACTGAGATTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTAGTCCACGCCGTAAACGATGTCTACTAGCCGTTGGGGTCCTTGAGACTTTAGTGGCGCAGTTAACGCGATAAGTAGACCGCCTGGGGAGTACGGCCGCAAGGTTAAAACTCAAATGAATTGACGGGG
>OTU1692;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Bacilli(0.8048),o:Lactobacillales(0.4280),f:Lactobacillaceae(0.1679),g:Lactobacillus(0.0423);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTTGTTGCGCCACGCCGCTGTGGTGGAGGAAGTTTTCCGATCTTTAAACTCTTTTGATCTGGAAAAAAGATCGTGGCAGCAACTGGCCATTATTTGACGGTAATCAACCAGACAGTCACGGCTAACTACATGCCGTCAGCCGCGTTAATACGTAGGTGGCAAGCTTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAGATAAGTCTGAAGTGAAAGCCGCCGGCTTAACCGGGGAACTGCATCGGAAACTGTTTTTCTTGAGTGCAGAAGAGGAGAGTGGGACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCCACCTGGACCGGTATTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1691;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9933),c:Gammaproteobacteria(0.9726),o:"Enterobacteriales"(0.7623),f:Enterobacteriaceae(0.5632),g:Escherichia/Shigella(0.1299);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTGCTCAGTGACGTTACCCGCAGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAACACGGAGGGTGCAAGCGATAATCGGAATTACTGGGCGTATAGCGCACGCAGGCGGTTGGTTATGTCAGAGGTGAAATCGCCGGGCTCAACCTGCGAACTGCATCTGTCACTGGCAAGCTTGAGTCTCGTATAGTGGGGTAGGATTCCAGGTGTAGCGGTGAAATACATAGAGATCTGGTTGAATACCGGTGGCGAAGGCAGCCACCTGGACGATGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTTGATACCCTGGTA
>OTU1693;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9604),o:"Bacteroidales"(0.8629),f:Bacteroidaceae(0.5632),g:Bacteroides(0.3915);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGAAGACTGCCCTATGGGTTGTAAACTTCTTTTATGAGGGAATAAAGTGCATCACGTGTGGTGTTTTGTATGTACCTCATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGGTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGATATCTTGA

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>OTU1694;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9441),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3
319),f:"Porphyromonadaceae"(0.1679),g:Barnesiella(0.0204);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAAGGT
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AGTGGAGAAGAAGTAAGCGGAATGCGAGGTGTAGCGGTGAAATGCATAGATATCGCGCAGAACTCCGATTGCGAA
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>OTU1695;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Deltaproteobacteria(0.9769),o:Desulfovibr
ionales(0.9606),f:Desulfovibrionaceae(0.9015),g:Desulfovibrio(0.8124);
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ospiraceae(0.2184),g:Roseburia(0.0423);
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ACGGGAGGCAGCAGTCGGGAATATTGCGCAATGGAGGAAACTCTGACGCAGTGACGCCGCGTATAGGAAGAAGGTTTTCGGATTGTAAACTATTGTCGTTAGGGAAGAAAAAAGACAGTACCTAAGGAGGAAGCTCCTGCTAACTACGTGCCAGCAGCCGCGTTACTACGTAGGGAGCAAGCTATATCCGGATTTATTGGGTGTAAAGGGTGCGTAGACGGGCATGCAAGTTGGTTGTGAAATCCCTAGGCTTAACTGAGGAACTGCAACCAAAACTGTGTGTCTTGAGTGCAGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTACTGGACTGTAACTGACGTTGAGGCACGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU1723;tax=d:Bacteria(0.0058),p:"Actinobacteria"(0.0000),c:Actinobacteria(0.0000),o:Actinomycetales(0.0000),f:Micrococcaceae(0.0000),g:Kocuria(0.0000);

GGCATCGTCTGTGAGCGTTGTGGTGTGGAGGTCACAGAGAGTCGGGTGCGACGTCACCGCATGGGCTTTATCAAGTTGGCGGCTCCCGTCTCCCATATTTGGTACCTGAAAGGGATTCCCAGTTATGTGGCCATCCTTTTGGATATGCCCCTTCGGGATGTTGAGCAGATTGTTTATTTCAACTGTTATGTGGTTCTGGATGCGGGTGATCACAAAGACCTGAAGTACAAGCAATTGCTCACGGAAGATGAGTGGCTTGAAATTGAAGACGAGATTTATGCAGAAGATTCAGAAATGGAAAATGAACCCGTCGGTGGAATGGGGGCCGAGGCGCTGAAGCAGCGGATTGAGGATCTCCAACTCAATGAGGTGGCTGAACAATTACGTGAGGAGATTGCTGGTAGTAAGGGGCAGAAACGCGCAAAGATGACCAAGCGCCTACG

>OTU1721;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Clostridiaceae_1(0.0710),g:Clostridium_sensu_stricto(0.0157);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCAGATTGTAAACCTCTATCGCAGGGGACGAAGGAAGTGACGGTACCCTGTAAGAAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTAGCAAGTTGGAAGTGAAATACCCAGGGCTTAACTCGGGTGCTGCTTTCAAAACTACTAGACTTGAGTGTGGGAGAGAATAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1724;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Ruminococcaceae(0.0710),g:Saccharofermentans(0.0157);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGAAGAAGGTCTTCGGATTGTAAAGCTCTTCGATCAGGGACGAACACAATGACGGTACCTGAAGAACAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGCAGCCGGGTCTGCAAGTCAGATGTGAAATCCATGGGCTCAACCCATGAACTGCATTTGAAACTGTAGATCTTGAGTGTCGGAGGGGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACATCAGTGGCGAAGGCGACTTACTGGACGATAACTGACGCTGAGGCACGAGAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1725;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:"Bacteroidia"(0.5195),o:"Bacteroidales"(0.2679),f:"Porphyromonadaceae"(0.1291),g:Barnesiella(0.0181);

CCTTTCTTCATCAGTTCTGCCTCTTTTTCCCTGTTCTCCGGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGTCCTACGGATTGTAAACCTCGTTTGTAGGGGAGTAACGTGCGGGACGCGTCCCGTATTGAGAGTACCCGAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGCGCGCCAAGTCGGCGGTCAAAGCTCCGGGCTCAACCCGGTGTCGCCGTTGAAACTGGCGTGCTCGAGTGCGTGCGAGGAAGGCGGAATGCGTTGTGTAGCGGTGAAATGCATAGATATGACGCAGAACTCCGATTGCGAAGGCAGCTTTCCAGCGCGCTACTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU1727;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.4311),c:Flavobacteriia(0.0626),o:"Flavobacteriales"(0.0413),f:Flavobacteriaceae(0.0099),g:Gilvibacter(0.0046);

ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATGCCGCGTGAAGGACTAAGGCCCTATGGGCTGTAAACTCCATTAGACGCAGAGCAATAAGGGCCACGTGTGGTTCGATGAGAGTATGCGTAGAATAAGCATCGGCTAACTCCGTTCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCAGTGGGTGTAAAGGGTGCGTAGGCGGCTTTGCAAGTCAGAGGTGAAAGGCACGGGCTCAACCCGGAAAGTGCCGTTGATACTGTGAGGCTGGAATGCGGATGCTGTAGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACACCGGTTGCGAAGGCATCTCACAGATCCGCTATTGACGCTGAGGCGCGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU1728;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Clostridiaceae_1(0.4224),g:Clostridium_sensu_stricto(0.2171);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGTTTTCGGATCGTAAAGCTCTATCTTTGGGGAAGATAATGACGGTACCCAAGGAGGTAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGAATAAGTGGGATGTGAAATACCCGGGCTCAACTCGTGAACTGCATTTGAAACTACTCTTCTTGAGTATCGGAGAGGCAATCGGAATTCCTAGTTTAGCGGTGAAATGCGTAGAAATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACGATGACTGACGTTGATGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1726;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Ruminococcaceae(0.1098),g:Saccharofermentans(0.0134);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGGTCTTCGGATTGTAAACCTTTCTAGACAGGGACGAAGAAATGACGGTACCTGTAAACTAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTAGCAAGCGTTATCCGGATTTATTGGGTGTAAAGGGTGAGTAGGCGGGCTGACAAGTCAGATGTGAAATGTTCGGGCTTAAACTTAGAACTGCAGTTGAAACTGGCCGGCTTGAGTGGCGGAGGGGTAAACGGAATTCCCGGTGGTGGGGGGAAATGCGTAGAGATCGGGAAGAACACCAATGGCGAAGGCGGATTACTGGACGACAACTGACGCTGATACACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1730;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Ruminococcaceae(0.2524),g:Papillibacter(0.0230);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGTAAACTTCTGTTAAGAGGGAAGAAGAAGTGACGGTACCTCTTGAATAAGCCACGGATAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGTGGGAATGCAAGTCAGATGTGAAATCCAAGGGCTCAACCCTTGAACTGCATTTGAAACTGTATTTCTTGAGTGTCGGAGAGGTTGACGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGTCAACTGGACGATAACTGCCGCTGAGGCGCAAATGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1729;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Lachnospiraceae(0.1679),g:Coprococcus(0.0326);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGGGAAGACGGTCCTCTGGATTGTAAACCTCGGTCTTCGGGGACGAAAGAAGACGGTACCCGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGCAGGCAAGTCTGAAGTGAAAGCCCGGGGCTCAACCCCGGGACTGCTTTGGAAACTATGCAGCTGGAGTATCGGAGAGGCAAGTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATCTTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1732;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9321),o:"Bacteroidales"(0.8412),f:"Prevotellaceae"(0.4563),g:Prevotella(0.2171);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCACGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTCTATAAGGGAATAAAGTGGGTTACGTGTGACTTTTTGCATGTACCTTATGAATAAGGACCGGCTAATTCCGTGTCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGGAGATTAAGCGAGTTGTGAAATGTAGTGGCTCAACCTGTGCACTGCAGCGCAAACTGGTCTTCTTGAGTGCACGCAACGTGAGCGGAATTCTTAGTGTAGCGGTGAAATGCTTAGAGATCACGAAGAACTCCGATTGCGAAGGCGGCTAACGGGAGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU1731;tax=d:Bacteria(1.0000),p:Firmicutes(0.9994),c:Bacilli(0.9897),o:Lactobacillales(0.9753),f:Lactobacillaceae(0.9294),g:Lactobacillus(0.7643);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCGGTTGTTAGAGAAGAACGTGCGTGAGAGCAACTGTTCACGCAGTGACGGTATCTAACCAGAAAGTCACGGCTAACTACGTGCAAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTGATAAGTGTGCTTTCAAAGCCTTTGGCTTAACCAAAGAAGTGCATCGGACACTGTCAGACTTGAGTGCAGAACAGGACAGTGGAACTCCATGTGTCGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGTCAAAGACGTCTGTCTAGTCTGCAACTGACGCTGAGGCTCGCAAGCATGGGTAGCGACCCGGATTAGATACCCTGGTA

>OTU1734;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9820),o:"Bacteroidales"(0.9821),f:Bacteroidaceae(0.9201),g:Bacteroides(0.9566);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTATGTATACTGTTTTGTATGTATTATATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCAGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGGTAAGTCATTTGTTAAAGTTTGCGTCTCAACCGTAAAATTTCAGTTGATACTGTCAGTCGTTAGTACGGTATAGGCGGGCTGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGACTGCAACTGACACCGATGCTCGAAAGTGTGGGTATCAAACAGGGTTAGATACCCTGTTA

>OTU1733;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Negativicutes(0.7881),o:Selenomonadales(0.5023),f:Acidaminococcaceae(0.3204),g:Phascolarctobacterium(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGACGCAAGTCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTAAGGGGGAAGAGCAGAAGACGGTACCCCTTGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGAATTATTGGGCGTAAAGAGCATGTAGGCGGTTTTTTAAGTCCGGAGTGAAAATGCGGGGCTCAACCCCGTATGGCTCTGGATACTGGAAGACTTGAGTGCAGGAGAGGAAAGGGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTGGGAGGAACACCAGTGGCGAAGGCGCCTTTCTGGACTGTGTCTGACGCTGAGATGCGAAAGCCAGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU1735;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9769),o:Clostridiales(0.9606),f:Lachnospiraceae(0.7787),g:Clostridium_XlVa(0.6681);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGCGAAAGCCTGATCCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCTGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTTTAGCAAGTCTGAAGTGAAAGCCCGGGGCTCAACCCAGGTACTGCTTTGGAAATGGTTTAACTGAGGTGCAGGAGAGGTAAGTGGAATTCCTGGTGTAGCGGTGAAAGGCGTAAAAATTAGGGGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTAACTGACGTTGAGGATCGAAAGCGTGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1736;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.8897),o:"Bacteroidales"(0.7623),f:Bacteroidaceae(0.3544),g:Bacteroides(0.1299);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGAAGACGGCCCTATGGGTTGTAAACTTCTTTTATAACGGAATAAAGTGGGTCACGCGTGGCCGTATGCATGTACGTGATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGCTGTTTAAGTCAGTTGTGAAAGGTCGAGGCTCAACCTTTAAAGTGCAGTTGATACTGGTTAGCTTGAGTGCGGATGAAGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTAAGCCGCAACTGACGCTGAGGCTCGAAAGTGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU1738;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachnospiraceae(0.3544),g:Dorea(0.0904);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCAGCGTGGAGGATGAAGTATTTCGGTATGTAAAATTCTATCAGTAGGGGAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCAGTACTACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGAGTAGACGGCTTTGCAAGCCAGATGTGAAAGCCCGGGGCTCAACCCCGGGACTGCATTGTGAACTGTAATGCTTGAGTGACGGAGAGGTAAGTTGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACCCCTGTGGCGAAGGCGGCTTGCTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU1737;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Ruminococcaceae(0.4914),g:Oscillibacter(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCCTTTAAGGGGGAAGAGGAGAAGACGGTACCCCTAGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGTCTGCAAGTCAGATGTGAAATCCATGGGCTTAACCCATGAACTGCATTTGAAACTGTGGATCTTGAGTGCTGGAGGGGCAGTCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGGAGGCAGATTGCTGGACAGTAACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1739;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Clostridiaceae_1(0.5273),g:Clostridium_sensu_stricto(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGTGCGTAGGCGGTAGGCTAAGTTGGATGTGAAATACCCGGGCTTAACTTGGGGGCTGCATTCAAAACTGGTTTACTAGAGTTCAGGAGAGGGAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGCTTCTCTGGACTGCAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1740;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Ruminococcaceae(0.1872),g:Sporobacter(0.0204);
GGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGTGGGGGGTGGGGGGGGGGGGGGGGGGAGGCGGGGGGGTAGCTGGAGGGAAAGCCACGGCGAAGGACGGGCCGGCAGCCGCGGGGATACGTAGGGGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGGAGGCGGAGCGGCAAGTCAGATGTGAAATCCCGGGGCTTAACCCCGGAACTGCAGTTGAAACTGTCGCCCTTGAGTATCGGAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1741;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9168),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5023),f:Bacteroidaceae(0.3204),g:Bacteroides(0.0904);
ACGGGAGGCAGCAGTGAGGAACATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGCATACCCGTTTGCATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGATGTTTAAGTCCGATGTGAAAACCCGGGGCTCAACCCCGGGACTGCATTGGAAACTATGCGGCTAGAGTGTCGGAGAAGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTATTTGGCCCATAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1743;tax=d:Bacteria(0.0024),p:Cyanobacteria/Chloroplast(0.0000),c:Chloroplast(0.0000),f:Chloroplast(0.0000),g:Streptophyta(0.0000);

ATGGCTAACGCTGGTAAAGGACTTCTTGAAGGTACGTTGCAGGCTGGCACTTCTGCCGTTTCTGATAAGTTGCTTGTTTTGGTTGGACTTGTTTGCAAGTCTGCCGCTGATAAAGGAAAGGATACTCGTGATTATCTTGCTGCTGCATTTCCTGAGCTTCATGCTTGGGAGCGTGCTGGTGCTGATGCTTCCTCTGCTGGTATGGTTGACGCCGGATTTGAGAATCAAAAAGAGCTTACTAAAATGCAACTGGAGAAGCAGAAAGAGATTGCAGAGATGCAAAATGGGACTCAAAAAGAGACTGCAGGGAATCAGTGGGCGACGGAACGCCAGATGACGAAAGGCCAGGTATATGCATAAAATGGGATGCTTGCTTAGCAACAGACGGAGTCTACTGCTCGCGTTGCGGCTATTATGGAAAACACCAATCTTTCCAAGCAACAGCAGGTTTCC

>OTU1742;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Lachnospiraceae(0.2864),g:Syntrophococcus(0.0712);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCAACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCGGCAGGGAAGAAAGGCCCGAAAGGGAGATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGCAGGGGGAAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGACGGCAGTGCAAGTCTGATGTGAAAGCCCGGGGCTCAACCCCGGAACTGCATTGGAAACTGTACAGCTTGAGTGTCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTACTGTACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1744;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.9606),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);

AAGGGAGGAAGAAGGGAGGAAGAGGGGGAAAAGGGAGAGCGCGTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATTGTTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGCGTACCCGTTTGCATGTACTGTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGATGTTTATCCGGATTTATTGGGTTGGAAGGGAGCGTAGATGGATGTTTAAGTCAGTTGGGAAAGTTTGCGGCTCAACCGGAAAATTGCAGTTGAGACTGGATATCTTGAGTGCAGTTGAGGCAGGCGGAAGTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTAAGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU1746;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9776),o:Clostridiales(0.9685),f:Clostridiaceae_1(0.6709),g:Clostridium_sensu_stricto(0.5239);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGTTTTCGGATCGTAAAGCTCTGTCTTTGGGGAAGATAATTATGGCACCCAAGGAGGAAGCCACGGCTAACTACGCGCCAGCAGCCGCCGTAATACGGAGGTGGCGAGCGGTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAAGTGGGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCATACCAAACTGGTTATCTAGAGTGCAGGAGAGGGGAGTGGAATTCCTAGTGTAGCGGTGACATGCGTAGAGATTAGGACGAACACCAGTGGCGAAGGCGGCTCTCTGGACTGTAACTGAAGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1745;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Clostridiaceae_1(0.2184),g:Clostridium_sensu_stricto(0.0615);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGCCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCACTGTCGTCGGTGAAGAAGGATAGAGGTTGTAACCGGTCGTTCTTTGACGGTAATCAACCAGAAAGTCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTTTTAAGTGAGATGTGAAATACTCGGGCTTAACCTGGGTGCTGCATTTCAAACTGGAAGGCTTGAGTGCAGGAGAGGAGAAGAGAATTCCAAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGCTTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1748;tax=d:Bacteria(0.0041),p:"Bacteroidetes"(0.0000),c:Sphingobacteriia(0.0000),o:"Sphingobacteriales"(0.0000),f:"Saprospiraceae"(0.0000),g:Lewinella(0.0000);
GTGAATCATCGAATCTTTGAACGCACATTGCGCCCCCTGGTATTCCGGGGGGCATGCCTGTTCGAGCGTCATTACAACCCTCAAGCTCTGCTTGGTATTAAGCTTCACCTGAAAAGGCGGGCTCTAAAATCAGTGGCGGTGCCATTCGGCTTCAAGCGTAGTAATTTTTCTCGCTTTGGATGACCGGCTGCGTGCCTGCCATAACCCCAAATTTTATCAAAGGTCGACCTCGGATCAGGTAGGGATACCCGCTGAACGTAAGCATATCAATAAGCGGAGGA

>OTU1747;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.9389),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCCAAGTAGCGTGAAGGATGAAGGCCCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTATGTATACCGTTTTGCATGTATTATATGAATAAGGATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGGTAAGTCAGTTGTGAAAGTGTGCGGCTCAACCGTAAGATTGCAGTTGAAGCTGTCGGACTTGAGTACAGAAGAGGTAGGCGGAATGCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTAGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU1749;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:Sphingobacteriia(0.3483),o:"Sphingobacteriales"(0.1483),f:Sphingobacteriaceae(0.0560),g:Parapedobacter(0.0087);
ACGGGAGGCAGCAGTAAGGGATATTGGTCAATGGGCGGGAGCCTGAACCAGCCATGCCGCGTGAGGGAATGAGGCCCTACGGGTCGTAAACCTCTTTTGCCGGGGGATAACGGACGCCACGCGTGGCGCCGTGAAGGTACCCGGCGAATCAGCATCCGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGGTGTCTAAGTCAGATGTGAAAGTCCCCGGCTCAACCGTGTCAGTGCCTATGATACTGGGGGCCTTGAATGCGGTAGAGGCCGGCGGAATGTGGCGTGTAGCGGTGAAATGCGTAGATATGACACAGAACACCGATAGCGAAGGCAGCTGGCCGGGCCTGCATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU1750;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Lachnospiraceae(0.3204),g:Clostridium_XlVa(0.0904);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGTGTAGGCGGGCTCGCAA
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GGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGTGGCGATGGCGACTATTTGGCCCATA
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280),f:Bacteroidaceae(0.2184),g:Bacteroides(0.0615);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
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AGTGCCGGAGGGGTAAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAA
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>OTU1752;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Eubac
teriaceae(0.0710),g:Eubacterium(0.0157);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGATGAATGG
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999),f:"Porphyromonadaceae"(0.0457),g:Butyricimonas(0.0110);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAGTGG
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359),f:Bacteroidaceae(0.1098),g:Bacteroides(0.0204);

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959),f:"Porphyromonadaceae"(0.2184),g:Barnesiella(0.0326);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAAGGT
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GCGCAGGCGGACTCGTCAAGTAAGCGGTAAAAAGTCGGGGCTAAACGCAGGCCGGCCATTGAAACTGAGAGACTG
GAGTGCGAAAGAGGGAAGCGGAATGCGAGGTGTAGCGGTGAAATGCATAGATATCGCGCAGAACCCCGATTGCGA
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>OTU1759;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.9
389),f:"Prevotellaceae"(0.8146),g:Prevotella(0.4787);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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>OTU1758;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:Sphingobacteriia(0.2321),o:"Sphingobacteri
ales"(0.1015),f:Sphingobacteriaceae(0.0355),g:Parapedobacter(0.0076);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGAATAAGGC
CCTATGGGTCGTAAACTTCTTTTGAGTGGGAGCAATAAGGTTCACGTGTGGACCGATGCGAGTACCACTCGAATAAG
CATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGTTGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGG
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>OTU1756;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Pepto
streptococcaceae(0.1872),g:Clostridium_XI(0.0519);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAACGATGACGGC
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GCAGCCGCGGTAATGCGTAGGCGGCTAGCGTTATACGGAATTACTGGGCGTAGAGGGTGCGTAGGTGGTTTCTTAA
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>OTU1757;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:Sphingobacteriia(0.0726),o:"Sphingobacteri
ales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Parapedobacter(0.0046);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGAAGCAAGTCTGAACCAGCCATGCCACGTGAAGGAATAAGGCC
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>OTU1762;tax=d:Bacteria(0.0041),p:"Proteobacteria"(0.0000),c:Deltaproteobacteria(0.0000),o:Desulfovibr
ionales(0.0000),f:Desulfohalobiaceae(0.0000),g:Desulfonatronovibrio(0.0000);
GCGCATGCCAAGTACAGGACGGTTGTCAGCGTCATACGAGGTTTTACCTCCAAATGAAGAAATAACATCATGGTAAC
GCTGCATGAAGTAATCACGTTCTTGGTCAGTATGCAAATTAGCATAAGCAGCTTGCAGACCCATAATGTCAATAGATG
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GCAACGGAAACCATAACGAGCATCATCGTGATGAAGCTCATTAGGGTTAGCCTCGGTACGGTCAGGCATCCACGGCG
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>OTU1760;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6036),c:"Bacteroidia"(0.3483),o:"Bacteroidales"(0.1
483),f:"Porphyromonadaceae"(0.0560),g:Barnesiella(0.0076);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCAACGCCGCGTGAAGGAAGACGGT
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AATGCGTTGTGTAGCGGTGAAATGCATAGATATGACGCAGAACTCCGATTGCGAAGGCAGCTTTCCAGCGCGCTACT
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959),f:Bacteroidaceae(0.1872),g:Bacteroides(0.0519);
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ACGGGAGGCAGCAGTGGGGAATATTGCACAGTGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGTC
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AGTGAGATGTGAAAACCCGGGGCTAAACTGCGGGACTGCATTGCAAACTGGAAGGCTAGAGTGCAGGAGAGGAGA
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ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTTAGCCTGAACCAGCCACGTCGCGTGAAGGATGAAGGCT
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CAGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGC
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023),f:"Porphyromonadaceae"(0.1291),g:Butyricimonas(0.0230);
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diaceae_1(0.3544),g:Clostridium_sensu_stricto(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
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ococcaceae(0.2524),g:Oscillibacter(0.0204);
ACGGGAGGCAGCAGTGGGGGATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGATGAAGGC
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509),f:"Prevotellaceae"(0.1872),g:Prevotella(0.0519);
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GAACGGCTAATTCCGTGCCAGCAGCCCCGGTAATACGGGAGGTTGGGGCGTTATCCGGAGTTATTGGGTTTAAAGG
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ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGACTGAAGAAGTA
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ionales(0.0000),f:Desulfovibrionaceae(0.0000),g:Desulfovibrio(0.0000);
TCTGGACAGACGGTCAAGATGCTGGTATTGGCTCTAATTTGTCTAGGCAATCACCGTCCGGATTGACACCCTCCCACT
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GGCTTCCATAAGCAGATGGATAACCGCATCAAGCTCTTGGAAGAGATTCTGTCTTGTCGGATGCAGGGCGTGGAGTT
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ales(0.0000),f:Comamonadaceae(0.0000),g:Comamonas(0.0000);
CCCAACTGCGTCACCGTCTTCTCGTTCTCTAACAACCATTTTTCGTCCCCTTCGGGGCGGTGGTCTCTAGTGTTATTAAT
ATCAAGTTGGGTGAGCACATTGTAGCATTGTGCCAATTCATCCATTAACTTCTCAGTAACAGATACAAACTCATCACGA
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412),f:"Prevotellaceae"(0.4914),g:Prevotella(0.0808);
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cillaceae(0.0000),g:Pediococcus(0.0000);
GCGATTCAATCCTGCCTTGGTGATCCAAGATTGAGTGTGAGGTTATACCGCCGAAGCGGTAACAATTTTAATTTTTGC
CGCTGAGGGGTTGACCAAGCGAAGCGCGGTAGGTTTTCTGCTTAGGAGTTTAATCATGTTTCAGACTTTTATTTCTCG
CCATAATTCAAACTTTTTTTCTGATAAGCTGGTTCTCACTTCTGTTACTCCAGCTTCTTCGGCACCTGTTTTACAGACACC
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846),f:"Prevotellaceae"(0.7428),g:Prevotella(0.4787);

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GCGTAGGCCGGAGATTAAGCGTGTGGTGAAATGTAGGTGCTAAACATCTGCACGGCAGCGCGAACTGGTTTCCTGG
AGTACGCACAAAGTGGGCGGAATTCGTGGTGGAGCGGTGAAATGCTAAGATATAACGAAGAACTCAGATTGCAAAG
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>OTU1776;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9987),c:Fusobacteriia(0.9762),o:"Fusobacteriales"(0.
9497),f:"Fusobacteriaceae"(0.8146),g:Fusobacterium(0.3915);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGACCAAAAGTCTGATCCAGCAATTCTGTGTGCACGATGACGGT
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AAGTCTGGTGTGAAAATGCGGGGCTCAACTCCGTGATGCGTTGGAAACTGGCTAACTAGAGGATTGGAGAGGTGGG
GGGAATTACAAGTGTAGAGGTGAAATTCGTAGATATTTGGAGGAATGCCGATAGAGAAGGCAGCTCACTGGACGAA
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063),f:"Prevotellaceae"(0.7428),g:Prevotella(0.3915);
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ACCCGGCTAATTCCTTGCAAGCAGCCGCGGTAAACCGTAAGGTCGGGGGTTAATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCCGTCTGTTAAGCGTGTTGGGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGGCAGACTT
GAGTGCGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAA
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5023),f:"Fusobacteriaceae"(0.3204),g:Fusobacterium(0.0181);
CCTTTCTTCCTCCTTTCGGCCTCTTTTTCCCTGGGCGCCCGCCTGAACCAGCCAAGTAGCGTGAGGGATGACTGCCCTA
CGGGTTGTAAACCTCTTTTGTTTGGGAATAAAGTGCGGGACGCGTCCCGCATTGCATGTACCATTTGAATAAGGACCG
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AGGTGGTTTGGTAAGTCTGATTTGAAAATGCGGGGCTCAACTCCGTATTGCGTTGGAAACTGCCTAACTAGAGTATC
GGAGAGGTGGGCGGAACTACAAGTGTAGAGGTGAAATTCGTAGATATTTGTAGGAATGCCGATAGAGAAGGCAGC
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>OTU1781;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9812),o:Lactobacillales(0.9685),f:Strepto
coccaceae(0.8864),g:Streptococcus(0.7643);

ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGGGGAACCCTGACCGAGCAACGCCGCGTGAGTGAAGAAGGT
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GACTTGAGTGCAGAAGGGGAGAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAGGAACACCGGT
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GTA
>OTU1784;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9877),o:Lactobacillales(0.9172),f:Lactoba
cillaceae(0.8864),g:Lactobacillus(0.6200);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGG
TTTCGGCTCGTAAAGCTCTATTGGTAGTGAAGAAAGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATTACTTAG
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AGCGAGTGCAGGCGGTTCAATAAGTCTGATGTGAAAGCCTTCGGCTCAACCGGAGAATTGGATCAGAAACTGTTGAA
CATGAGTGCAGACGAGGTGAGTGGAAGTCCAGGTGTAGCGATGGACTGCGTAGATATCTGGAAGAAAACCAGTAGC
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>OTU1785;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9989),c:Fusobacteriia(0.9805),o:"Fusobacteriales"(0.
9775),f:"Fusobacteriaceae"(0.6350),g:Fusobacterium(0.0904);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGACCAAACGTCTGATCCAGCAATTCTGTGTGCACGATTACGGT
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AAGTCTGATGTGAAAATGCGGGGCTCAACTCCGTATTGCGTTGGAAACTGCCTAACTAGAGTATCGGAGAGGTGGGC
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>OTU1788;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.6
138),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0326);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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GACCGGCCAATTCCGCGCCAGCAGCCGCGGTAATTCGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGCAGGCCGCCGAGCAAGCGCGTTGTGAAATGCAGTCGCTCAACGTCGGAACTGCAGCGCGAACTGCCCAGCTA
GAGTGCGCGAAACGTTGGCGGAATTCGCCGTGTAGCGGTGAAATGCTTAAATATGGCGAAGAACTCCGGTTGCGAA
GGCAGCTGACGGGTGCATAACTGACGCTCATGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU1787;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Bacilli(0.9747),o:Lactobacillales(0.8520),f:Lactoba
cillaceae(0.7068),g:Lactobacillus(0.5720);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
TTTCGGATCGTAGAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCA
GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTA
AAGCGAGCGCAGGTGGTTGATTAAGTCTGATGTGAAAGCCCACGGCTTAACCGTGGAGGGTCATTGGAAACTGGTC
GACTTGAGTGCAGAAGAGGGAAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGAGATATGGAAGAACACCAGTG
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TA

>OTU1786;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Clostridiales_Incertae_Sedis_XIII(0.2864),g:Anaerovorax(0.0808);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGAAGAAGGT
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GCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGAATTATTGGGCGTAAAGAGTGCGTAGGTGGTTACCTAA
GCAGGGGGTGAAAGGCACTGGCTTAACCAATGTCAGCCCTCTGAACTGGGCTACTTGAGTGCAGGAGAGGAAAGCG
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>OTU1789;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Clostridia(0.9846),o:Clostridiales(0.9911),f:Lachnospiraceae(0.9387),g:Fusicatenibacter(0.9566);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAGACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
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CAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCAAGGCAA
GTCTGATGTGAAAACCCAGGGCTTAACCCTGGGACTGCATTGGAAACTGTCTGGCTCGAGTGCCGGAGAGGTAAGC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTA
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>OTU1791;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.6881),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0423);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGAAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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>OTU1790;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lachnospiraceae(0.2524),g:Fusicatenibacter(0.0712);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTC
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GCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGGCGTACTGGACG
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GGTTGATATTTTTCATGGTATTGCTCAAGCTGTTGCCGATCCTTGGACCAATTTCTGGCCAGCCGGTAAAGCTGATGG
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ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGTGAAGAAGTA
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ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTC
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GAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATATGGCGGGTGCAAGCGTTAATCGGAATTACTGGGCGTA
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GCTTGAGTGTAGTAGAGGGAAGTAGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATCAGGAAGAATACCGGTGG
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cillaceae(0.9387),g:Lactobacillus(0.7162);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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GACTTGAATGCAGAAAAGGGAAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTG
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CGGCATTCCTGCTGAACCGCCGCCTTCTGGTGATTTGCAAGACCGCGTACTTATTCGCCCCCATGCTTATGACCAGTGT
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GCGATTCAATCATGACTTCGTGATAAAAGATTGAGTGTGAGGTTATAACGCCGAAGCGGTAAAAATTTTAATTTTTGC
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9889),f:"Fusobacteriaceae"(0.8505),g:Fusobacterium(0.2607);
CCTTCCTTCCTCCTTTTTTCCTCTTTTCCCCTTTCCCCCCATTCTTCTCCCTCAATTCTTTGTGCACGATGACGGTCTGAGG
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>OTU1801;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Incert
ae_Sedis_XI(0.0355),g:Clostridium_XII(0.0087);
ACGGAAGGCAGCAGTCGGGAATATTGCACAATGGAGGAAACTCTGATGCAGTGACGCCGCGTATAGGAAGAAGGTC
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GCCGCGGTAATACATATGGGGCGAGCGTTATCCGGAATTATTGGGTGTAAAGGGTGCGTAGGCGGGATAGCAAGTC
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ATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGAGGCGAAGGCGGCTTTCTGGACAACAACT
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>OTU1800;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9866),o:Clostridiales(0.9941),f:Clostridiales_Incertae_Sedis_XI(0.9887),g:Finegoldia(0.9837);

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>OTU1799;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Eubacteriaceae(0.2184),g:Eubacterium(0.0615);

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diaceae_1(0.2524),g:Clostridium_sensu_stricto(0.0712);
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955),f:"Prevotellaceae"(0.6350),g:Prevotella(0.2171);
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ospiraceae(0.0710),g:Clostridium_XlVa(0.0134);
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846),f:"Prevotellaceae"(0.5991),g:Prevotella(0.2607);
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389),f:Bacteroidaceae(0.6709),g:Bacteroides(0.5239);
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ospiraceae(0.1485),g:Dorea(0.0204);
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diaceae_1(0.1098),g:Clostridium_sensu_stricto(0.0204);
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ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGAGGGAGAAACGCCGCGTGAGGGAAGAAGGTGGTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGCAGTAACTGGTCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCCGAATGATAAGTCAGCGCGTCACGCCCACGGCTCAACCGTGGAACTGCATCGGAAACTGTCATTCTTGAGTGCAGCAGAGGAGAGTGGACCTCCATGTGTAGCGGTGGCATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTTACGCTGAGGCTCGACAGCATGGGTAGCGACCAGGATTAGATACCCTGGTC
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CTTGGTCATTTAGAGGAAGTAAAAGTCGTAACAAGGTCTCCGTTGGTGAACCAGCGGAGGGATCATTACCGAGTTTACAACTCCCAAACCCCTGTGAACATACCTATACGTTGCCTCGGCGGATCAGCCCGCGCCCTGTAAAAAGGGACGGCCCGCCCGAGGACCCTAAACTCTGTTTTTAGTGGAACTTCTGAGTAAAACAAACAAATAAATCAAAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGC
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acteriales"(0.2999),f:Enterobacteriaceae(0.1485),g:Escherichia/Shigella(0.0181);
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ospiraceae(0.1872),g:Clostridium_XlVa(0.0519);
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streptococcaceae(0.2864),g:Clostridium_XI(0.0808);
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AAGGGAGGAAGAAGGAGGGAATCGGGGGGAAGGGGAGCGAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTCTTCGGATCGTAAAACTCTGTTGTTAGAGAAGAACACGAGTGAGAGTAACTGTTCATTCGATGACGGTATCTAACCAGCAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGGGAACGCAGGCGGTCTTTTAAGTCTGATGTGAAAGCCTTCGGCTTAACCGGAGTAGTGCAGTGGAAACTGGAAGACTTGAGTATCGGAGAGGTGGGCGGAACTACAAGTGTAGAGGTGAAATTCGTAGATATTTGTAGGAATGCCGATAGAGAAGTCAGCTCACTGGACGAATACTGACACTGAAGCGCGAAAGCATGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1842;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Bacilli(0.9321),o:Lactobacillales(0.6881),f:Lactobacillaceae(0.4224),g:Lactobacillus(0.2171);

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>OTU1840;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9992),c:Betaproteobacteria(0.9791),o:Burkholderiales(0.8955),f:Oxalobacteraceae(0.7068),g:Noviherbaspirillum(0.5239);

ACGGGAGGCAGCAGTGGGGAATTTTGGACAATGGGGGCAACCCTGATCCAGCAATGCCGCGTGAGTGAAGAAGGCCTTCGGGTTGTAAAGCTCTTTTGTCCGGGAAGAAATCCTCTTGGTTAATACCTGGGAGGGATGACGGTACTGGAAGAATAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGTGCGCAGGCGGTTGTGCAAGAGCGATGTGAAAGCCCCGGGCTTAACCTGGGAACTGCATTGGTGACTGCACGGCTAGAGTGTGTCAGAGGGGGGTAGAATTCCACGTGTAGCAGTGAAATGCGTAGAGATGTGGAGGAATACCGATGGCGAAGGCAGCCCCCTGGGATAACACTGACGCTCATGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

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252),f:Bacteroidaceae(0.2864),g:Bacteroides(0.0808);
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520),f:Prolixibacteraceae(0.7068),g:Prolixibacter(0.5239);
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ospiraceae(0.3204),g:Blautia(0.0615);
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ospiraceae(0.4224),g:Clostridium_XlVa(0.2171);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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GCAGCCGCGGTAATACGTAGGGCGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGGATCA
GTCTGATGTGAAACCCCGGGGCTCAACCCAGGGACTGCATTGGAAACTGTCCAGCTAGAGTGAAAGAGAGGTAAGT
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTA
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>OTU1858;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:Sphingobacteriia(0.0626),o:"Sphingobacteri
ales"(0.0413),f:Sphingobacteriaceae(0.0099),g:Parapedobacter(0.0046);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAGCCTGAACCAGCCATGCCGCGTTCGGGGAGGAGGGC
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AGCATCCGCTAAACCCGTGCCAGCAGCCGCGGGAATACGGGGGGTGCGAGGGTTATCCGGATTTATTGGGTTTAAA
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CTGGAATGCGGATGCCGTGGGAGGAATGTGTGGTGTAGCGGTGAAATGCATAGATATCACACAGAACACCGATTGC
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>OTU1859;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9726),o:Clostridiales(0.8846),f:Rumin
ococcaceae(0.7787),g:Pseudoflavonifractor(0.2607);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGATGAAGGC
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CGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCGGTGGCGAAGGCGGATTGCTGGACGA
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>OTU1861;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:Sphingobacteriia(0.0726),o:"Sphingobacteri
ales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Solitalea(0.0056);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
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>OTU1860;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachn
ospiraceae(0.3544),g:Clostridium_XlVa(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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AGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGAAGCA
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GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCCTGCTGGACGACA
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>OTU1862;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.3448),c:"Bacteroidia"(0.1740),o:"Bacteroidales"(0.0
781),f:"Porphyromonadaceae"(0.0252),g:Barnesiella(0.0076);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGT
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TCAACCCAACTGTTTCTTGTAAACAGCTGGTGTTTGGATTCTGAGCGCTGCTGGCTTCGTGCCTAGCTCGTTCGTAATA
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ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTCTTCGGATTGTAAAACTCTGTCGTTAGAGAAGAACACGAGTGAGAGTAACTGTTCATTCGATGATGGTATCTAACCAGCAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGTGTAGCCGGGAGGGCAAGTCAGATGTGAAATCCACGGGCTCAACTCGTGAACTGCATTTGAAACTGTATTTCTTGAGTGTCGGAGAGGTTGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGTCAACTGGACGATAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1868;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9900),c:Fusobacteriia(0.9733),o:"Fusobacteriales"(0.9063),f:"Fusobacteriaceae"(0.8864),g:Fusobacterium(0.0230);
ACGGAAGGCAGCAGGATTAGATACCCTGGTAAGATCGGAAGAGCACACGTCTGAACTCCAGTCACTGTTCGAGCTCGTATGCCGTCTTCTGCTTTAAAAAAAAAACGAAGTAAGTGACGGTACCAACAGAAGAAGCGACGGCTAAATACGTGCTAGCAGCCGCGGTAATACGTATGTCGCAAGCGTTATCAGGATTTATTGGGCGTAAAGCGCGTCTAGGCGGTTTGGTAAGTCTGATGTGAAAATGCGGAGCTCAACTCCGGATTGCGTTGGAAACTGTCAAACTAGAGTACTGGAGAGGTGGGCGGAACTACAAGTGTAGAGGTGAAATTCGTATTTTTTTTTTTAATGATCCGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATCTACGGAAGGCAGCAGGATTAGATACCCTGGTA
>OTU1867;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:Sphingobacteriia(0.1740),o:"Sphingobacteriales"(0.0781),f:Sphingobacteriaceae(0.0252),g:Parapedobacter(0.0076);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACCAGGCGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCTGTGCGTCAAGTCGGGGGTGAGATTCCGGTGCTCAACACCGGGGCTGCCCTTGATACTGCCGTCCTTGAATGCGGATGCCGTGGGAGGAATGTGTGGTGTAGCGGTGAAATGCATAGATATCACTCAGAACACCGATTGCGAAGGCATCTGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA
>OTU1866;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6036),c:Flavobacteriia(0.0626),o:"Flavobacteriales"(0.0413),f:Flavobacteriaceae(0.0099),g:Ornithobacterium(0.0046);
ACGGAAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATGCCGCGTGAAGGACTAAGGCCCTATGGGTCGTAAACTTCTTTTGACGCAGAGCAATAAAGATTACGTGTAGTCTGATGAGAGTATGCGTCGAATAGGCATCGGCTACCTCCGTGCCAGCAGCGGCGGTAATACGGAGGATGCAAGCGTTATCCGGATTTATTGGGTGTAAAGGGTGCGTAGGCGGATCGGTAAGTCTGCGGTGAAATTCCCCGGCTTAACCGGGGAACTGCCATGGATACTGCCGGTCTTGAATGCGGATGCCGTGGGAGGAATGCGTAGTGTAGCGGTGAAATGCATAGATATTACACAGAACACCGATTGCGAAGGCATCTCACGAATCCGTTATTGACGCTGAGGCACGAAAGCGTGGGGATCAAGCAGGATTAGATACCCTGGTA

>OTU1864;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9719),o:"Bacteroidales"(0.8846),f:"Prevotellaceae"(0.5273),g:Prevotella(0.2171);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAAAGTCTGAACCAGCCAAGTAGCGTGCAGGGTGACTGCCCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTGTACCACGTGTGGCGTATTGCATGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTAGATTAAGCGTGTTGTGACATGTACCGGCTCAACCGCTGCAGTGCAGCGCGAACTGGTTTTCTTGAGTACGTACAACGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCCACGGGACCGTAACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU1869;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Ruminococcaceae(0.3204),g:Intestinimonas(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGGACGTGACGGTACCTGGAGAAAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGAGGGCAAGTCAGAAGTGAAATCTATGGGCTTAACGTGTGAACTGCTTTGGAAACTGTTGGGCTTGAGTGCCGGAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACCTGCTGGACGGCAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1871;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6036),c:Sphingobacteriia(0.0626),o:"Sphingobacteriales"(0.0413),f:Sphingobacteriaceae(0.0099),g:Parapedobacter(0.0046);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGACTGAGGCCCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACCATGCGATTAAGCATCGGCTACCTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCTTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCTGTGGGTCAAGTCGGGGGTGAAAGTCCGGTGCTCAACACCGGGGCTGCCGTTGATACTGTCGAGCTGGAGTGCGGATGCCGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACACCGATTGCGAAGGCATCTGGCGAAGCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA

>OTU1872;tax=d:Bacteria(0.9827),p:"Bacteroidetes"(0.3448),c:"Bacteroidia"(0.0525),o:"Bacteroidales"(0.0352),f:Prolixibacteraceae(0.0086),g:Prolixibacter(0.0043);

ACGGGAGGCAGCAGTGGGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCCTATGGGCTGTGAACCGCTTTCGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACCAGGCGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAACACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCTGTGCGTCAAGTCCGTGGTTAAATTCCGGTGCTCAACACCGGGGCTGCCCTTTGTACTGTCGCGCTTGAGTGCGGATGCCGCCGGAGGAATGAGTGGTGTAGCGGGTAAATGCTTAGATATCACTCAGAACACCGGTTGCGAAGGCATCTGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA

>OTU1873;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Peptostreptococcaceae(0.3544),g:Clostridium_XI(0.1299);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGTAAACTTCTTTTATCAGGGACGAAGGAAGTGACGGTACCTGATGAATAGGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGGAGTGAAAGGCTACGGCTCAACCGTAGTAAGCTCTTGAAACTGGGAAACTTGAGTGCAGGAGAGGAAAGTGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTAGCGAAGGCGGCTTTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

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>OTU1870;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Ruminococcaceae(0.3204),g:Ruminococcus(0.0808);

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>OTU1877;tax=d:Bacteria(0.0041),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Clostridiales(0.0000),f:Clostridiaceae_1(0.0000),g:Clostridium_sensu_stricto(0.0000);

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0.0547),f:Flavobacteriaceae(0.0149),g:Mesonia(0.0056);
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753),f:"Prevotellaceae"(0.9108),g:Prevotella(0.7162);
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138),f:"Prevotellaceae"(0.3544),g:Prevotella(0.0326);
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diales_Incertae_Sedis_XI(0.9904),g:Anaerococcus(0.9929);

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015),f:Bacteroidaceae(0.0355),g:Bacteroides(0.0087);

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cillaceae(0.1291),g:Lactobacillus(0.0230);

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ococcaceae(0.3884),g:Oscillibacter(0.0519);

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GAGTGCGCGGAACGTTGGCGGAATTCGCCGTGTAGCGGTGAAATGCTTAGATATGGCGAAGAACTCCGATTGCGAA
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>OTU1914;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Bacilli(0.9711),o:Lactobacillales(0.8412),f:Lactobacillaceae(0.5273),g:Lactobacillus(0.1299);

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>OTU1912;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9719),o:Clostridiales(0.8737),f:Ruminococcaceae(0.5991),g:Clostridium_IV(0.0712);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCCGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGTCCTCGGATCGTAAACCTCTGTCAGAAGGGAAGAATGTTATCAGTGTGAATAATGCTGATAAGTGACGGTACCTTCAAAGGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCGAGCGTTAATCGGAATCACTGGGCGTAAAGCGCACGTAGGCTGTTTGTCAAGTCAGGGGTGAAATCCCGCGGCTCAACCGCGGAACTGCCCTTGAAACTGGTAGACTTGAGTGCCGGAGAGGGTGGCGGAATTCCAGGTGTAGGAGTGAAATCCGTAGATATCTGGAAGAACACCGGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
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ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAATACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAACTCTGTTGTTGAAGAAGAACGTACGTGTGAGTGACTGTTCAAGCAGTGACGGTATTCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGAGGTAATACGTAGGTAGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTACTTAAGTCTGTGGTGAAAGGCTTCGGCTTAACCGGAGAAGTGCAATGGAAACTGGGTGACTTGATTGCAGAAGAGGAAAGTGGAACTCGATGTGTAGCGGTGGAATGCGTAGATATATGAAAGAACACCGATTGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAAGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
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ACTTGAATCCGGGAGAGGGTGGCGGAATTCCAGGTGTAGGAGTGAAATCCGTAGATATCTGGAGGAACATCAGTGG
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719),f:"Prevotellaceae"(0.0710),g:Prevotella(0.0157);
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063),f:Bacteroidaceae(0.6709),g:Bacteroides(0.5239);
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CGTAGATGGATGTGTAAGTCAGTTGTGAAAGGTTGCGGCTCAACCGTCAAATTGCAGTGGATACTGGATATCTGGAG
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>OTU1921;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Clostri
diaceae_1(0.5632),g:Clostridium_sensu_stricto(0.3479);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAACCCTGATGCAGCCACGCCGCGTGAGTGATGAAGGT
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ospiraceae(0.7068),g:Coprococcus(0.4351);
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623),f:"Porphyromonadaceae"(0.5632),g:Butyricimonas(0.3043);
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diaceae_1(0.4914),g:Clostridium_sensu_stricto(0.1735);
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iicoccales(0.0020),f:Methanomassiliicoccaceae(0.0006),g:Methanomassiliicoccus(0.0006);
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ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCAGGTTGTAAACTTCTTTTAAGAGGGAAGAGCAGAAGACGGTACCTCTAGAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAAGTGAGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCATTTCAAACTGGAGGTCTAGAGTGCAGGAGAGGAGAATGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
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138),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0423);
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0.0000),f:Actinomycetaceae(0.0000),g:Actinomyces(0.0000);
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ospiraceae(0.0904),g:Ruminococcus2(0.0181);
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023),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0181);
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phomonadaceae(0.0000),g:Syntrophomonas(0.0000);
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023),f:"Prevotellaceae"(0.1098),g:Prevotella(0.0204);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGCGTGAGGGAAGACTGC
CCTACGGGTTGTAAACCTCTTTTGTTTGGGAATAAAGTGCGGCACGTGTCCCGCATTGCATGTACCATTTGAATAAGC
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGA
GCGTAGGACGTCTTATAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGGGAACTGGGAGACTTG
AGTGCGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAGG
GCAGCCTGCTGAGCTGCAACCGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU1942;tax=d:Bacteria(0.0041),p:"Bacteroidetes"(0.0000),c:"Bacteroidia"(0.0000),o:"Bacteroidales"(0.0000),f:"Porphyromonadaceae"(0.0000),g:Parabacteroides(0.0000);

GACTAAGTACGCGTTCTTACACATCCCCAGACGGCGGTTCCTGCATGCCTGGGAAGCCTTCACGAAGGTGATAAGCAGGCGAAACATACGAAGGCGCATAACGATACCACTGACCCTCAGCAATCTTAAACTTCTTAGACGAATCACCAGAACGGAAAACATCCTTCATAGAAATTTCACGCGGCGGCAAGTTGCCATACAAAACAGGGTCGCCAGCAATATCGGTATAAGTCAAAGCACCTTTAGCGTTAAGGTACTGAATCTCTTTAGTCGCAGTAGGCGGAAAACGAACAAGCGCAAGAGTAAACATAGTGCCATGCTCAGGAACAAAGAAACGCGGCACAGAATGTTTATAGGTCTGTTGAACACGACCAGAAAACTGGCCTAACGACGTGGGGTCAGG

>OTU1940;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9348),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3319),f:Bacteroidaceae(0.0560),g:Bacteroides(0.0134);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGCCCTACGGGTCGTAAACTTCTTTAGACGCAGAGCAATAAGGTCCACGTGTGGACCGATGAGAGTATGCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGCTATTAAGTCAGCTGTGAAATCCGGCGGCTCAACCGTCGGCCTGCAGTTGATACTGGTGGTCTTGAGTACGCGGGACGTTGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTGACGGTAGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU1941;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8048),o:"Bacteroidales"(0.5395),f:"Prevotellaceae"(0.1098),g:Prevotella(0.0204);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGAAGACTGCCCTATGGGTTGTAAACTTCTTTTATGAGGGAATAAAGTGCATCACGTGTGGTGTTTTGTATGTACCTCATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTTATAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGTGAGACTTGAGTGCGCAGGAAGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACTCCGATTGCGAAGGCAGCTTGCCAAGCCATAACTGACACTGAAGCACGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU1945;tax=d:Bacteria(0.0041),p:"Proteobacteria"(0.0000),c:Gammaproteobacteria(0.0000),o:Pseudomonadales(0.0000),f:Pseudomonadaceae(0.0000),g:Pseudomonas(0.0000);

AATAACAGCATCACCCATGCCTACAGTATTGTTATCGGTAGCCCGCACATCCCCCTGCGTGCCACCGCAGGCGGCTTTTTGACCGCCTCCTAACAATTTAGACATGGCGCCACCAGCAAGAGCAGAAGCAATACCGCCAGCAATAGCACCAAACATAAATCACCTCACTTAAGTGGCTGGAGACAAATAATCTCTTTAATAACCTGATTCAGCGAAACCAATCCGCGGCATTTAGTAGCGGTAAAGTTAGACCAAACCATGAAGCCAACATAAAAATTATGGCCGGGCGTTCGGGGAAGGACGTCAATAGTCACACAGGCCTTGACGGTATAATAACCACCATCATGGCGACCATC

>OTU1943;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.9389),f:"Prevotellaceae"(0.8864),g:Prevotella(0.4351);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
CCTATGGGTTGTAAACTGCTTTTATAGGGGGATAACGTGTGCCACGTGTGGCTTATCGTAGGTACCCTATGTATAAGG
ACCGGCTAATTCCGTGCCAGCAGCCGCGGTACTATGGTAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCTGTCTTGTAAGCGTGGTGTGAAAGGTCGGGGCTCAACCTAGGCATTGCAGCGCGAACTGTGAGACTTG
AGTGCGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATGGCGAAG
GCAGCCTGCTGTAGCGCTACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU1944;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9740),o:"Bacteroidales"(0.9
172),f:"Prevotellaceae"(0.7787),g:Prevotella(0.3915);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTATGGGTTGTAAACTGCTTTTATAGAGGGATAAAGTGTGTCACGTGTGGCATATTTCAGGTAACCTATTAATAAGG
AACGGCTAATTCCGTTCCCACAGCCGCGGTAATTCCGAAAGTTCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGTAGGCCGTCTTATAAGCGTGTTGTGAAATGTCGGTGCTCAACCTGGGAATTGCAGCGCGAACTGTGAGACTTGAG
TGCGTAGGATGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGC
AGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU1947;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9605),c:"Bacteroidia"(0.8048),o:"Bacteroidales"(0.5
395),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0519);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGCCGGAAGGCTGAACCAGCCAAGTCGCGTGAGGGAAGACTGC
CCTATGGGTTGTAAACCTCTTTTATTCGGGAAGAATAAGTTTCACGCGTGGAACGATGCCTGTACCGAATGAATAAGC
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGT
GCGTAGGCCGTCTGTTAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGGCAGACTTGA
GTGCGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACCCCGATTGCGAAGG
CAGCTTGCGAGAGCGCTACTGACGCTGAAGCTCGAAGGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU1946;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8897),o:"Bacteroidales"(0.7
623),f:Bacteroidaceae(0.3204),g:Bacteroides(0.0904);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGCAGGAAGACTGC
CCTATGGGTTGTAAACTTCTTTTATAAGGGAATAAAGTGCACCACGTGTGGTGTTTTGTATGTACTTTATGAATAAGG
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGCGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCGGCAGGTTAAGTGAGATGTGAAAGGTAGCGGCTCAACCGTAAAATTGCATTGGGTACTGGCCTGCTTG
AGTGCGGCAGAGGCAGGCGGAATTTGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTACGAAG
GCAGCTGGCAGGAGCGTAACTGACGCTGATGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU1948;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9572),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5
023),f:"Prevotellaceae"(0.1485),g:Prevotella(0.0326);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCATAAGCCTGAACCAGCCAAGTAGCGTGAGGGAAGACTGC
CCTACGGGTTGTAAACCTCTTTTGTTTGGGAATAAAGTGCGGGACGTGTCCCGCATTGCATGTATTATTTGAATAAGG
ATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGCAGGCGGTGGGTTAAGTCAGTCGTGAAAGTCTGCGGCTCAACGGGGGACGTGCGGCGCGAACTGGTCCACTTG
AGTACGCGGGACGTTGGCAGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAG
GCAGCTCACGGTAGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU1949;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Bacilli(0.8755),o:Lactobacillales(0.6881),f:Lactoba
cillaceae(0.3544),g:Lactobacillus(0.1299);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
CTTCGGATCGTAAAACTCTGTTGTTAGAGAAGAACACGAGTGAGAGTAACTGTTCATTCGATGACGGTATCTAACCAG
CAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAA
AGGGAGCGTAGACGGCTGTGTAAGTCTGATGTGAAAACCCGGGGCTCAACCCCGGGACTGCATTGGAAACTATGCG
GCTAGAGTGTCGGAGAGGTAAGTGAAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGG
CGAAGGCGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGT
A
>OTU1950;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Bacilli(0.9726),o:Lactobacillales(0.8629),f:Lactoba
cillaceae(0.6350),g:Lactobacillus(0.4351);
ACGGGAGGCAGCAGTGGGGAATCTTGCACAATGGACGAAAGTCTGATGCAGCAACGCCGCGTGAGTGAAGAAGGT
TTTCGGATTGTAAAGCTCTGTTGGTAGTGAAGAAAGGTAGAGGTAGTAACTGTCCTTTATTTGACGGTAATCAACCAG
AAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAA
AGCGAGCGCAGGCGGAAAAATAAGTCTAAGGTGAAATGCCTCGGCTTAACCGGGGAACTGCGTCGGAAACTGTCTT
TCTTGAGTGAAGAAGAGGCGGGTGGAACTCCAGGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTG
GCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGG
TA
>OTU1951;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Lachn
ospiraceae(0.5273),g:Clostridium_XlVa(0.2607);
ACGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTAT
TTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAG
CAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGGTGCAA
GTCTGAAGTGAAATCCCGGGGCTCAACCCCGGTGCTGCTTTGGAAACTGTACTGCTAGAGTGCTGGAGGGGTAAGC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTA
ACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1952;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.8267),c:Fusobacteriia(0.5963),o:"Fusobacteriales"(0.3319),f:"Fusobacteriaceae"(0.1679),g:Fusobacterium(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGACCAAAAGTCTGATCCAGCAATTCTGTGTGCACGATGAAGTTTTTCGGAATGTAAAGTGCTTTCAGTTGGGACGAAGTAAGTGACGGTACCAACAGAAGAAGCGACGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGTCGCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGGAGTCAAGTCAGTTGTGAAAAGCCGCGGCCCAACCGTGGTCGTGCAGTTGAAACTGGTTCTCTTGAGTGCGCACGAGGACGGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGAAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1953;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Clostridiaceae_4(0.0252),g:Geosporobacter(0.0076);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGAGGCAACTCTGACCCAGCAACGCCGCGTGAAGGATGAAGGCCTTCGGGTTGTAAACTTTTGTTGTGAAGGAAGAAGAAAGTGACTGTACTTCACAAGGAAGCCCCGGCTAACTATGTGCCAGCAGCCGCGGTAATACATAGGGGGCAAGCGTTGTCTGGAATCACTGGGCGTAAAGGGAGCGTAGGCGGAAATTTAAGTTAAGTGTGAAATCCTTGGGCTTAACCCAAGAACTGCACTTAATACTGGGTTTCTAGAGTGTTGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTAAAATGCGTAGATATTAGGAGGAACACCAGAGGCGAAGGCGACTTACTGGACAATAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1954;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9995),c:Gammaproteobacteria(0.9993),o:Pseudomonadales(0.9866),f:Pseudomonadaceae(0.9876),g:Pseudomonas(0.9724);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGCGAAAGCCTGATCCAGCCATGCCGCGTGTGTGAAGAAGGTCTTCGGATTGTAAGGCACTTTAAGTTGGGAGGAAGGGTTGTAGATTAATACTCTGCAATTTTGACGTTACCGACAGAATAAGCACCGGCTAACTCTGTGCCAGCAGCCGCGGTAATACAGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGCGCGTAGGTGGTTAGTTAAGTTGGATGTGAAATCCCCGGGCTCAACCTGGGAACTGCATTCAAAACTGACTGACTAGAGTATGGTAGAGGGTGGTGGAATTTCCTGTGTAGCGGTGAAATGCGTAGATATAGGAAGGAACACCAGTGGCGAAGGCGACCACCTGGACTGATACTGACACTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1955;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Ruminococcaceae(0.0355),g:Ruminococcus(0.0087);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCCCTGTTGCTGGTGACGATGGTGAGAGGAAGTAACTGGCAGTCATCTGATGGTAACCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCTGCGGCAGTATGTCGGGGGCAAACGGTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGGATGGCAAGTCAGGTGTGAAATCCCTGGGCTCAACCTAGGGGCTGCATTGGAAACTGTAGTGCTTGAGTGAAGTAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTACTGGACGATGACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1957;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9321),o:"Bacteroidales"(0.8412),f:"Prevotellaceae"(0.5991),g:Prevotella(0.2171);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATATGGGGATAAAGTGTGCCACGTGTGGCATTTTGCAGGTACCCCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGGGCGTAGGCCGGCTTACAAGCGCGTGGTGAAATCGCGGGGCTCAACCTGGGCATTGCCGCGGGAACTGTGGGCCTTGAGTGGGCGTGAAGTAGGCGGAATGCGTGGTGTAGCGGTGAAATGCTTAGATACGCCGCAGAACTCCGATTGCGAAGGCAGCCTGCCATAGGGCAACTGACGCTGAAGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU1958;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8628),c:"Bacteroidia"(0.4812),o:"Bacteroidales"(0.2359),f:"Prevotellaceae"(0.0355),g:Prevotella(0.0087);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGCCGAAAGCCTGAACCAGCCAAGTAGCGTGCGGGAGGACGGCCCTACGGGTTGTAAACCTCTTTTGTTAGGGGATAAAGAGGGGGACGCGTGGCGTGTTGCGAGTACCTTTCGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAAGATGCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGAGGGTTAAGCGTGTGGTGAAATTCCGCCGCTCAACGGCGGACGTGCCGCGCGAACTGGTTTACCTGAGTGCGCGTGACGTGGGCGGAATGCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCATCTGACGGTGGCGTAACTGACGCTGAGGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU1959;tax=d:Bacteria(0.0024),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Clostridiales(0.0000),f:Ruminococcaceae(0.0000),g:Clostridium_III(0.0000);

GGTCAGGCCTCCACGGCGCTTTAATATAGTTGTTATAGATCTTCAAATCACCCTGACACAATTGCTTAGGGATTTTCTTGGTATCCGGGTTACTCGTGCCAAGAAAAGCGGCATGGTCAATATAACCAGTAGTGTTCACAGTCGGGAGAGGAGTGGCATTAACACCATCCTTCATGAACTTAATCCACTGTTCACCATAAACGTGACGATGAGGGACATAAAAAGTAAAAATGGCTACAGTAGAGTCAATAGCAAGGACACGACGCAATGGAGAAAGACGGAGAGCGCAAACGGCGTGCATCTCGAAGGAGTCGCCAGCGATAACCGGAGTAGTTGAAATGGTAATAAGACGACGAATCTGACCAGCAAGGAAGCCAAGATGGGAAAGGGCATGCGG

>OTU1956;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Ruminococcaceae(0.1872),g:Saccharofermentans(0.0204);

ACGGGAGGCAGCAGTGGGGAATTTTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAAGGACGAAGGCCTTCGGGTTGTAAACTTCTTTGACCAGGGAAGATAATGACTGTACCTGGAGAACAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGTCAGCAAGTTGGATGTGAAATTCTGAAGCTTAACTTTAGATGGTCATCCAAAACTGTTGATCTTGAGTGTCAGAGGGGAAAGTGGAATTCCTAGTGGAGCGGTAAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1961;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Lachnospiraceae(0.4914),g:Dorea(0.3043);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAAGGATGAAGTATTTCGGGATGTAAACTTCTATTAGCAGGGAAGAAAATGACGGTACCTGATTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGTTGCAAGTCAGATGTGAAAGCCATGGGCTTAACCCAGGGACTGCATTTGGAACTGTGACGCTAGAGTGTCGGAGAGGTAGGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGATGACTGACGTTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1960;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Ruminococcaceae(0.7068),g:Intestinimonas(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAGGAAGGCTTTCGGGTTGTAAACTGCTTTTGTCAGGGACGAAAAGGATCGTGATAATACCATGGTCTGCTGACGGTACCTGACGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGAGTGCAAGTCAGATGTGAAAATTATGGGCTCAACCCATAACCTGCACTTGAAACTGTACTTCTTGAGTACTGGAGAGGCAGGCGGAATTCCGTGTGTAGCGGTGAAATGCGTAGATATACGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACAGCAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1962;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9507),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5023),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0230);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTTCGCGGGGATAAAGAGGGGGATGTGTCCCCCGTTGCAGGTACCGCGTGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTCATTGGGTTTAAAGGGAGCGCAGGCCGTATGGTAAGCGTGTTGTGAAAGGCCGTGGCTCAACCATGGCACTGCAGCGCAAACTGCCGTACTTGAGTACAGTAGAGGTAAGCGGAATTCGTAGTGTAGCGGTGAAATGCGTAGATATCACGAAGAACCCCGATTGCGAAGGCGGCCTACCGTAGCGGCACTGACGCTGAGGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU1963;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Lachnospiraceae(0.1872),g:Fusicatenibacter(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGATGACGTATTTCGGTATGTAAAGCTCTATCAGTAGGGGAGTAGAAATGACGGTACCTGACTAAGTAGCCCCGGCTAACTACGTGCCAGCAGCCGAGGTAATACGTAGGGGCCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCATGGCAAGTCTGATGTGAAAACTCAGGGCTCAACCGTTGAACTGCATTGGAAACTGTCAAGCTTGAGTGTCTGAGAGGTAAGCGGAATTCGTGGTGTAGCGGTGAAATGCGTAGATATCAGGAAGAACACCAATGGCGAAGGCGGCTTACTGGACGATGACTGACGCTGAGGCTCGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU1964;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9943),o:Lactobacillales(0.9775),f:Lactobacillaceae(0.9480),g:Lactobacillus(0.9686);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTAAAGAAGGATAGAGGCAGTAACTGGTCTTGATGTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCATTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAATGATAAGTCTGATGTGAAAGCCTACGGCTCAACCGTGGAACTGCATCGGAAACTGGGTGTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU1965;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Ruminococcaceae(0.3204),g:Intestinimonas(0.0423);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGCCTCCGGGTTGTAAACTTCTTTTAAGAGGGACGAAGAAGTGACGGTACCTCTTGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGGTTCAAGTCAGAAGTGAAATCTATGGGCTTAACTCATAAACTGCTTTTGAAACTGAATCCATGGAGTATCGGAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU1968;tax=d:Archaea(0.0041),p:"Euryarchaeota"(0.0000),c:Halobacteria(0.0000),o:Haloferacales(0.0000),f:Haloferacaceae(0.0000),g:Halorubrum(0.0000);
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>OTU1966;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9918),o:Lactobacillales(0.9753),f:Lactobacillaceae(0.9480),g:Lactobacillus(0.9085);
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>OTU1967;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Lachnospiraceae(0.3544),g:Clostridium_XlVa(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATCTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGAGCCAGCACCAGCTGCATTACGTAGGGGGCAATCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGATGCAAGTCTGAAGTGAAAGCCCCGGGCTCAACCTGGGTACTGCGTTGGAAACTGTATTGCTGGAGTGCTGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACAGTAACTGACGTTGAGGATCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
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ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGCTTTCGGATCGTAAGGTACTGTCGGTGGGGAAGAAGGATAGGAGGAGTAACTGGTTGCTATTTGACGGTAATCAACCAGAAAGTAACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAGGGGGCAAGCGTTGTCCGGAATTACTGGGCGTAAAGCGAGCGCAGGCGGAATGTTAAGTCTGATGTGAAAGCCCCCGGCTCAACCGGGGAACTGCATCGGAAACTGTCATTCTTGAGTGCCGAAGAGGAGGGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCGGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU1971;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.8988),c:Gammaproteobacteria(0.7497),o:"Enterobacteriales"(0.4652),f:Enterobacteriaceae(0.2864),g:Escherichia/Shigella(0.0326);
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>OTU1970;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9736),c:Gammaproteobacteria(0.9180),o:"Enterobacteriales"(0.5395),f:Enterobacteriaceae(0.3544),g:Escherichia/Shigella(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGACGCAAGCCTGATGCAGCCATGCAGCGTGTATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTCAGCAGGGAGGAAGGGAGTAAAGTTAATACCTTCACTCATTGACGGTATGCGCAGAAGACGCACCGGCTAACTCCGTGCCAGCAGCCGCTGTAATACGTAGGGTGCAAGCGTGAATCGGAATTACTGGGCGTAAAGCGCACGCAGGCTGTTTGTTAAGTCAGACGTGAAATCTCGGTGCTCAACCTCGGAACTGCATCGGAAACTGGCAGGCTTGAGTGCAGTAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGT

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>OTU1972;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9474),c:"Bacteroidia"(0.6346),o:"Bacteroidales"(0.3
639),f:"Porphyromonadaceae"(0.1485),g:Odoribacter(0.0326);
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>OTU1975;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8755),o:"Bacteroidales"(0.7
252),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0230);
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>OTU1973;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Bacilli(0.4812),o:Lactobacillales(0.2359),f:Lactoba
cillaceae(0.1098),g:Lactobacillus(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
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cillaceae(0.8864),g:Lactobacillus(0.6681);
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cillaceae(0.9387),g:Lactobacillus(0.8124);
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881),f:"Porphyromonadaceae"(0.3204),g:Parabacteroides(0.0615);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTAAGCCTGAACCAGCCAAGCCGCGTGAAGGATGAAGGT
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>OTU1978;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9866),o:Lactobacillales(0.9172),f:Lactoba
cillaceae(0.8146),g:Lactobacillus(0.4351);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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cillaceae(0.8864),g:Lactobacillus(0.7643);
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>OTU1979;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Lachn
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>OTU1981;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Lachn
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>OTU1982;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Betaproteobacteria(0.9726),o:Burkholderi
ales(0.8737),f:Sutterellaceae(0.7428),g:Sutterella(0.6200);
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>OTU1983;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9987),c:Fusobacteriia(0.9762),o:"Fusobacteriales"(0.
9497),f:"Fusobacteriaceae"(0.4914),g:Fusobacterium(0.0423);

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>OTU1987;tax=d:Bacteria(0.0041),p:"Proteobacteria"(0.0000),c:Deltaproteobacteria(0.0000),o:Desulfobac
terales(0.0000),f:Desulfobulbaceae(0.0000),g:Desulfotalea(0.0000);

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>OTU1986;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.5174),c:"Bacteroidia"(0.1740),o:"Bacteroidales"(0.0
781),f:"Porphyromonadaceae"(0.0252),g:Barnesiella(0.0066);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGAGGAAACTCTGATGCAGCAACGCCGCGTGAGGGAAGAAGGT
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>OTU1985;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9882),o:Lactobacillales(0.9606),f:Lactoba
cillaceae(0.9015),g:Lactobacillus(0.5720);

ACGGGAGGCAGCAGTAGGGAATCTTCCAAAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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>OTU1984;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Bacilli(0.9784),o:Lactobacillales(0.9389),f:Lactoba
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ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCTTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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>OTU1989;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9861),o:Lactobacillales(0.9172),f:Lactoba
cillaceae(0.8505),g:Lactobacillus(0.3479);
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>OTU1990;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9990),c:Fusobacteriia(0.9820),o:"Fusobacteriales"(0.
9821),f:"Fusobacteriaceae"(0.5991),g:Fusobacterium(0.0615);
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>OTU1988;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Clostri
diaceae_1(0.1098),g:Clostridium_sensu_stricto(0.0204);
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>OTU1991;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8472),o:"Bacteroidales"(0.6509),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0808);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGCTATTAAGTCAGCTGTGAAATCCGGCGGCTCAACCGTCGGCCTGCAGTTGATACTGGTGGCCTTGAGTTCACATAAGGATGGTGGAATTTGTGGTGTAGCGGTGAAATGCATAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCATCCGGGGTGCGACTGACGCTGAGGCTCGAAAGTGCGGGAATCAAACAGGATTAGATACCCTGGTA

>OTU1994;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.5766),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0326);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTGGGCTACGCGTGGCCTTTTGCAGGTATCGCATGAATCAGGACCGGCTAATTCTGTGCCAGCAGCCGCGGTAATACGGAAGGACCGGGTGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGCCGGGCAAGCGTGTTGTGAAAAGCAGTGGCTCAACGTCTGGACTGCAGCGCGAACTGCCCAGCTTGAGTGCGGGCAACGTTAGCGGAATTCGCAGTGTAGCGGTGAAATGCTTAGATATGAGGAGGAACTCCGATTGCGAAGGCGGCTGACGGGTGCGTAACTGACGCTCATGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU1993;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3319),f:"Porphyromonadaceae"(0.0710),g:Parabacteroides(0.0134);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGATGACGGCCCTACGGGTTGTAAACCTCTTTTATAAGGGAATAAAGGGCGCCACGTGGGGTGGTTTGCAGGTACCTTATGAATAAGCAGCGGCTAACTCCGGGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTGATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGTTGCGGATTAAGTCTGTGGTGAAAGTCCGTGGCTCAACCCTTGACCTGCCGTTGAAACTGGTTGGCTTGAGTACGTACGGGGCAGGCGGAATGCGTTGTGTAGCGGTGTAATGCATAGATTTCACGCAGAACCCCGATCGCGAAGGCCGCCTGCCGGGCCGTGACTGACCCTGATGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU1992;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.6899),c:Deltaproteobacteria(0.2902),o:Syntrophobacterales(0.0781),f:Syntrophaceae(0.0252),g:Desulfomonile(0.0076);

ACGGGAGGCAGCAGTGGGGAATCTTGCGCAATGGGGGAAACCCTGACGCAGCCATGCCGCGTGAGTGATGAAGGCCTTCGGGTTGTAAAGCTCCGTCTGAGGGGACGAACGTCCGTAGCGACAACAACGTTGCGGAGTGACGGTACCCTCAAAGAAAACACCGGCTAACTCCGTGCCAGCAGCCGCGGCAATACGGGGGGTGTAAGCGTTGTTCGGAATTACTGGGCGTAAAGGGCGTGCAGGCGGCCACCGCAAGTTGCATGTGAAATCCCCGGGCTTAACCCGGGACGTGCGTGCAAGACTGCGGGGCTCGAATACGGGAGAGGGTCGTGGAATTCCTGGTGTAGAGGTGAAATTCGTAGATATCAGGAGGAACACTCGTGGCGAAGGCGACGACCTGGACCGATATTGACGCTGAGACGCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU1997;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Lachnospiraceae(0.2524),g:Blautia(0.0326);

ACGGGAGGCAGCAGTGGGGAATTTTGGACAATGGGGGCAACCCTGACGCAGCAATGCCGCGTGTGTGAAGAAGGCCTTCGGGTCGTAAAGTCCTTTCCGTGGGGAGGAAACACTGACGTTACCTTCAGAAGAGGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGCGTAGAGGGAGCGTAGACGGACTGGCAAGTCTGATGTGAAAGTCATGGTCTCAACCTGTGGACTGCATTGGAAACTGTTGGTCTTGAGTGCCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGACTTACTGGACGGTAACTGACGTTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1998;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9168),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5023),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0615);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAAGGGAATAAAGTGAGCCTCGTGAGGCTTTTTGCATGTACCTTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGTTCATCAAGTCAGCGGTAAAAATTCGGGGCTCAACCCCGTCCTGCCGTTGAAACTGACGAGCTGGAGTGCGACAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAGTGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU1996;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Clostridiaceae_1(0.1098),g:Clostridium_sensu_stricto(0.0204);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGTCTTCGGATTGTAAAGCTCTGTCTTTGGGGACGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACTCTCCAGCAGCCGCGGTAATACGTATGGAGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGTTTAGGTGGCATCACAAGTCAGATGTGAAATCCATGGGCTTAACCCATGCACTGCATTTGAAACTGTGGATCTTGAGTGCTGGAGGGGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACAGTAACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU1995;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachnospiraceae(0.2864),g:Eisenbergiella(0.0808);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTTTTTCGGAATGTAAAGCTCTATCAGCAGGGAAGAGTAAAGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCGGGCGGCATGGCAAGTCTGATGTGAAAACCCAGGGCTCAACCGTGGGAGTGCATTGGAAACTGTCAAGCTGGAGTGTCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATGACTGACGCTGAGGCTCGAAAGCGTCGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2001;tax=d:Archaea(0.0024),p:"Euryarchaeota"(0.0000),c:Halobacteria(0.0000),o:Halobacteriales(0.0000),f:Halobacteriaceae(0.0000),g:Halorussus(0.0000);

GGAAGTAAAAGTCGTAACAAGGTTTCTGTAGGTGAACCTGCAGCAGGCTCATTAGTGAAGATTTGGGCAGGCCATACGGACGCCACAAAGTGTCCCTGGCCGCCTACACCCACTATACATCCACAAACCCGTGTGCACTGTCCTTGGAAAGGGCATTTGGAGAGAAAAAGGAAGAGAAGCGAGAACAGTGCGATCCGTCGCGTTGGGCGTTGATCTCTGGCTTGGTCTCTCTGAGGCCCTTTCCTCGCTACAAACTCGAATGGTTAGTATGAACGTGGAACTTGGTTGGACCGTCACTGGCCAACAAACTGTACACAACTTTCGACAACGGATCTCTTGGTTCTCCCATCGATGAAGAACGCAGCGAAACGCGATAGGTAATGTGAATTGCAGAATTCCGGGAATCATCGAATCTGTGAAC

>OTU1999;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Erysipelotrichia(0.4428),o:Erysipelotrichales(0.2039),f:Erysipelotrichaceae(0.0904),g:Turicibacter(0.0181);

ACGGAAGGCAGCAGTCGGGAATATTGCGCAATGGAGGAAACTCTGACGCAGTGACGCCGCGTGCAGGAAGAAGGTTTTCGGATTGTAAACTGCTTTAGACAGGGAAGAATAAAGACAGTACCTGTAGAATAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGCGAGTGCAGGCGGTTCAATAAGTCTGATGTGAAAGCCTTCGGCTCAACCGGAGAATTGCATCAGAAACTGTTGAACTTGAGTGCAGAAGAGGGAAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGAGATATGGAGGAACACCAGTGGCGAAGGCGGCTTCCTGGTCTGTAACTGACACTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2000;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Peptostreptococcaceae(0.4563),g:Clostridium_XI(0.2607);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGATATACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGGAGTGAAAGGCTACGGCTCAACCGTAGTAAGCTCTTGAAAATGGGAAACTTGAGTGCAAGAGATGAAAGTGGAATGCCTAGTGTAGCGGTGAAATGCGTAGATAGTAGGAGGAACGAAAGTAGCGAATGCGGATGTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2002;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9769),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.3959),f:"Prevotellaceae"(0.0904),g:Alloprevotella(0.0181);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGCAAGGCTGAACCAGCCAAGTAGCGTGCGGGAAGACTGCCCTCGGGTTTTAAACTTCTTTTAGTCGGGAATAAAAGGACGCACGGTTTCGTCTTATTTCAAGTACCGTCAGAAAAAGGACCGGCTAATTCCGTGCCACCAGCCCCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGTCTGGTAAGGCAGCTGTGAAATCGCGGCGCTCAACTGCGCGACTGCAGTTGATACTGGCGGACTTGAGTGCACGCAGGGATGGCGGAATTCATGGTGTAGCGGTGAAATGCTTAGATATCATGAAGAACTCCGATTGCGAAGGCAGGTGTCCGGAGTGCTACTGACGCTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU2003;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.7995),f:"Prevotellaceae"(0.4224),g:Prevotella(0.0808);

ATGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGAGTGAGGGAAGACTGCCCTATGGGTTGTAAACCTCTTATGATTGGGAATAAAGTGCGGGACGCGTCCCGCATTGCATGTACCAATTGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTAATTGGGTTTAAAGGGAGCGTAGGCCGTCTGTTAAGCGTATTGTAAAATGTCGGGGCTCAACCTGAGCATTGCAGCGCGAACTGGCAAACTTGAGTACGCAGGAAGTAGGCGGAATTCGTCGTGTAACGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGTAACTGACGCTGAAGCTCGAAAGCGTAGGTATCGAACAGGATTGGATACCCTGGTA

>OTU2004;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9776),o:Clostridiales(0.9685),f:Lachnospiraceae(0.7787),g:Blautia(0.5720);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGGTTTTCGGATTGTAAAGCTCTTTCGGACAGGAAGATAATGACGGTACTGTCTAAAGAAGCCCCGGCTAACTTCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAGCAGCAAGTCTGATGTGAAAGGCAGGGGCTCAACCCCTGGACTGCATTGGAAACTGTTGATCTTGAGTACCGGAGGGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2005;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Ruminococcaceae(0.4914),g:Clostridium_IV(0.0615);

ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGCAGGAAGACGGTCCTCTGGATTGTAAACTGCTGTGTTCAGGGACGATAATGACGGTACCTGAATAGAAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGAGAGCAAGTTGGATGTGAAAACTGTCGGCTCAACTGACAGACTGCATTCAAAACTGTTTTTCTTGAGTGAAGTAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTTACTGACGCTGAGGCTCGAAAGTATGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2006;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Lachnospiraceae(0.2864),g:Clostridium_XlVa(0.0615);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCGACGCCGCGTGGGTGAAGAAGTATTTCGGTATGTAAAGCCCTATCGGCAGGGAAGAGGATGACGGTACCTGAGTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTTGTCAAGTCTGGAGTGAAATGCCGGGGCTCAACCCCGGAGCTGCTCTGGAAACTGATGGGCTGGAGTACCGGAGGGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACGGTAACTGACGTTGAGGCTCGAAGGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2008;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9762),o:"Bacteroidales"(0.9497),f:"Prevotellaceae"(0.8864),g:Prevotella(0.4351);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCTACGTGTGGCATATTGCATGTACCCTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCTGGCTGTTAAGCGTGCTGTGAAATGTAGGGGCTCAACCTGTGAATTGCAGCGCGAACTGGAAGACTTGAGTGAGTAGGAAGTAAGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCATACTAGAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU2007;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9507),c:Deltaproteobacteria(0.8472),o:Desulfovibrionales(0.5766),f:Desulfovibrionaceae(0.3204),g:Desulfovibrio(0.0808);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGGGATGAAGGTCTTCGGATCGTAAACCTCTGTCAGAAGGGAAGAATAAGTACTGTGCTAATCAGCAGTGCCCTGACGGTACCTTCAAAGGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGCGTGTAGGCTGTATGGCAAGTTGGAGGTGAAATGCCGCGGCTCAACCGTGGAACTGCCTTGGAAACTGCCAAACTAGAGTGCGAGAGAGGATAGCGGAATTCCAGGTGTAGGGGTGAAATCCGTAGATATCAGGAAGAACATCAGTGGCGAAGGCGGCTATCTGGATCGTAACTGACGCTGAGATGCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU2009;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.9389),f:"Prevotellaceae"(0.9015),g:Prevotella(0.5720);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTTATAAGCGTGTGGTGAAGTGTCGTGGGTCAACCTGAGCAATGCAGCGCGAACTGTGGGACGTGAGTGCGCAGGAAGTAGGCGGGATTAGTCGGGTAGCAGTAAAATGCTTAGGTATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGCAACTTACGCTTAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU2010;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9726),o:"Bacteroidales"(0.8955),f:"Prevotellaceae"(0.6709),g:Prevotella(0.2607);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGCAGCGTGCAGGAAGACGGCCCTATGGGTTGTAAACCGCTTTTATACGGGGACAATGTGAGCCACGTGTGGCCTATTGCAGGTACCCTACGAATAAGCATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTAATAAGCGTGTTGTGAAATGTCGGGGCTCAACCGTGGCATTGCAGCGCGAACTGGTAAACTTGAGTGCGCAGGAAGTAAGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCTTACGAGAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU2011;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Lachnospiraceae(0.6709),g:Roseburia(0.3479);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGATGCCGCGTGAGCGATGAAGTATTTAGGTATGTAAAGCTCTATCAGCAGGGAAGAAAAAATGATGGTACCTGACTAAGAAGCACCGGCGAAATACGTGCGAGCAGCCACGGTAATACGTATGGTGCAAGCGTTATCCGGATTTAGTGGGTGTAAAGGGAGCGCAGGCGGTACGGAAAGTCTGATGTGAAAGTCCGGGGCTCAACTCCGGTACTGCATTGGAAACTGTCGGACTAGAGTGTCGGAGGGGTAAGTGGAATTCTTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATTACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2013;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Bacilli(0.9812),o:Lactobacillales(0.9685),f:Lactobacillaceae(0.9294),g:Lactobacillus(0.8605);

ACGGTAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGGTAGTGAAGAAAGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATTACTTAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCCGTAACACGTCGGTGGCAAGCGCTGTCCGGATTTATTGGGCGTAAAGCGAGTGCAGGCGGTTCAATAAGTCTGATGTGAAAGCCGTCGGCTCAACCGCAGAATTGCATCAGAAACTGTTGAGCTTGAGGGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCGATGGCGAAGGCGGCTCTCTGGTCTGCAACTGAGGCTGAGGCTCGAGAGCATGGGTAGCGAACGGGATTAGATACCCTGGTA

>OTU2012;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9928),o:Lactobacillales(0.9775),f:Lactobacillaceae(0.9573),g:Lactobacillus(0.9085);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGGTGGAGCAACGCCGCGTGAGTGGAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTATTAAACAGGAAGGTAAGGGCTAACTACGTGCCAGCACCCCGGGTAAAAGGAGGGGGGCAAGCGTGGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCCTCGGCTTAACCGAGGAACTGCATCGGAAACTGTTTTTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU2015;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9776),o:"Bacteroidales"(0.9685),f:"Prevotellaceae"(0.8146),g:Prevotella(0.6200);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTACGGGTTGTAAACTGCTTTTATAAGGGAATAAAGTGAGTCTCGTGTGACACTTTGCATGTACCTTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGAGATTAAGCGTGTGGTGAAATGGGGGCGCTCAACGTCTGAACTGCAGCGCGAACTGGTTTCCTTG

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>OTU2016;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Bacilli(0.9719),o:Lactobacillales(0.8412),f:Lactoba
cillaceae(0.6350),g:Lactobacillus(0.3043);
ACGGGGGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGG
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>OTU2014;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lachn
ospiraceae(0.2184),g:Clostridium_XlVa(0.0615);
ACGGGAGGCAGCAATGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGATGCCGCGTGAGCGAAGAAGTA
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>OTU2017;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3
319),f:"Prevotellaceae"(0.0710),g:Prevotella(0.0134);
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>OTU2018;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Lachn
ospiraceae(0.2864),g:Blautia(0.0712);
CAGGAAGGAAGAAGGAGGAAAGAGGGAAAAAGGGGGGAAAGAAGGATGAAGAGACGCCGCGTGAAGGAAGAAG
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>OTU2019;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9933),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4
652),f:"Prevotellaceae"(0.1679),g:Prevotella(0.0181);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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cillaceae(0.9387),g:Lactobacillus(0.9566);
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cillaceae(0.1485),g:Lactobacillus(0.0326);
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cillaceae(0.9201),g:Lactobacillus(0.7643);
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303),f:"Prevotellaceae"(0.4224),g:Prevotella(0.0712);
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781),f:"Porphyromonadaceae"(0.0252),g:Porphyromonas(0.0066);
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280),f:"Rikenellaceae"(0.9108),g:Alistipes(0.8124);
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ospiraceae(0.4224),g:Ruminococcus2(0.1735);
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959),f:"Rikenellaceae"(0.1291),g:Alistipes(0.0230);
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798),f:Bacteroidaceae(0.8864),g:Bacteroides(0.8124);
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cillaceae(0.8505),g:Lactobacillus(0.6200);
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775),f:"Prevotellaceae"(0.9573),g:Prevotella(0.7643);
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cillaceae(0.7428),g:Lactobacillus(0.4787);
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cillaceae(0.5632),g:Lactobacillus(0.3043);
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streptococcaceae(0.1679),g:Clostridium_XI(0.0423);
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cillaceae(0.9480),g:Lactobacillus(0.7643);
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063),f:"Prevotellaceae"(0.7068),g:Prevotella(0.3915);
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cillaceae(0.8146),g:Lactobacillus(0.4787);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGCAGCAACACCGCGTGAGTGAAGAAGGG
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AAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGAGGCAAGCGTTATCCGGATTTATTGGGCGTAA
AGCGAGCGCAGGCGGTTGCTTAAGTCTGATGTGAAAGCCCTCGGCTTAACCGAGGAAGGGCATCGGAAACTGGGCG
ACTTGAGTGCAGAAGAGGACAGTGGAATTCCGTGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAGTGG
CGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCGTGGGTAGCGAACAGGATTAGATACCCTGGT
A
>OTU2048;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Lachn
ospiraceae(0.1485),g:Clostridium_XlVa(0.0326);
ACGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACAATGATGCAGAGACGCCGCGTGACTGAAGAAGAAT
TTCGGTATGTAAAGGTCTATCAGAAAGGAAGAAAATGACGGTACTTGACTAAGAAGCCCCGGCTAACTACGTGACAG
CAGCCGAGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCATGGCAA
GTCTGATGTGAAAACCCAGGGCTCAACCCTGGGACTGCCTTGGCAACTGTCAAGCTTGAGTGTCGGAGAGGTAAGCG
CAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGACAA
CTGACGCTTAGGCTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTTGTA
>OTU2049;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Clostridia(0.9776),o:Clostridiales(0.9685),f:Lachn
ospiraceae(0.6709),g:Coprococcus(0.3915);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGATGAAGTA
TTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAAAATGACGGTACCTGACTAAGAAGCACCGGCTAAATACGTGC
CAGCAGCCGCGGTAATACGTATGGTGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAGCAGC
AAGTCTGATGTGAAAGGCAGGGGCTCAACCCCTGGACTGCATTGGAAACTATGCAGCTAGAGTGTCGGAGAGGTAA
GTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTGGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGA
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>OTU2050;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9769),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8
520),f:"Prevotellaceae"(0.5991),g:Prevotella(0.1735);
AGGGGAGGAAGAAGGGAGGAAGAGGGGGAAAGGGAAGGGAGGAGGAAGGAGGGAAGGAGGGTACAGGAGGA
CGGCCCTATGGGTTGTAAACTGCTGGTATAGGGGGATAAAGGGGGCCACGTGGGGGAGATTGCAGGGAGGCGATG
AATAAGGACCGGCTAATTCAGTGCCAGCAGCCGCGGTAATAGGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTT

AAAGGGAGCGTAGGCCGTCTTATAAGCGTGTCGTGAAATGTCGGGGCTCAACCGCCTCATTGCAGCGCGAACTGTGA
GCCTTGAGTGCGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATT
GCGAAGGCAGCCTGCTGTACCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTCCT
A

>OTU2052;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.9
063),f:"Prevotellaceae"(0.8505),g:Prevotella(0.4351);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTATGGTTTTTAAACTGCTTTTATAGGGGGATAACGTGTGCCACGTTTGGCATATTGCCGGTACCCTATGAATCAGG
ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCCGTCTGATAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGAATTGCAGAGCGAACTGTGAGACTTG
AGTGCGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCGTAGATATGACGAAGAACACCGATTGCGAAG
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>OTU2051;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3
319),f:"Prevotellaceae"(0.1291),g:Prevotella(0.0181);

ACGGGAGGCAGCAGTGGGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGCGTGAGGGAAGACTGC
CCTACGGGTTGTAAACCTCTTTTGTTTTGGAATAATGTGCGCCACGCGTCCCGCATTGCATGTACCATTTGAATAAGGA
CCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGCAGGCGGTGGGGTAAGCGTAGCGTGAAAGTCCGCCGCTCAACGGCGGACGTGCGGCGCGAACTGGTCGACTTG
AGTACGCGGGACGTTGGAGGAATTCGTGGTGTAGCGGTGAAATGCATAGAGATCACGAAGAACTCCGATTGCGAAG
GCAGCTGACGGAAGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU2054;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8808),c:Sphingobacteriia(0.4428),o:"Sphingobacteri
ales"(0.2039),f:Sphingobacteriaceae(0.0904),g:Olivibacter(0.0157);

ACGGAAGGCAGCAGTAAGGGATATTGGTCAATGGGCGGGAGCCTGAACCAGCCATGCCGCGTGAGGGAATGCGGC
CCTACGGGTCGTAAACCTCTTTTGCCGGGGGATAACGGGCGCCACGTGTGGCGCCGTGAAGGTACCTGGAGAATAA
GCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGGGCGTTATCCGGATTCATTGGGTTTAAAGG
GTGCGTAGGCGGCTGTGCAAGTGAGCGGTGAAAGGTAGGGGGTCAACCCGGAAAGTGCCGTTGATACTGGGAGGC
TGGAATGAGGATGCTGTGGGAGGAATGAGTGTTGTAGCGGTGAAATGCATAGATATCACTCAGAACACCGATTGCG
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>OTU2055;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9835),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4
652),f:"Prevotellaceae"(0.1679),g:Prevotella(0.0230);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGCATGAGGGAAGACTGC
CCTACGGGTTGTAAACCTCTTTTGTTTGGGAATAAAGTGCGGGACGTGTCCCGCATTGCATGTACCATTTGAATAAGG
ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA

GCGTAGGCCGTCTTATAAGCGTGTGGTTAAATGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGTGAGACTTGA
GTGCGCAGGAAGTAGGCTGAATTCGTCGCGTAGCGGTGAAATGCTTAGGTATGACTAAGAACTTCGATTGAGAAGG
CAGCCTTCCGGGGTGTTACTGCCGCTGAGGCTCGAAAGTGCGGGAATCAAACAGGATTAGATACCCTGGTA
>OTU2053;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Bacilli(0.9762),o:Lactobacillales(0.9063),f:Lactoba
cillaceae(0.7787),g:Lactobacillus(0.4351);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGCAGCAACACCGCGTGAGTGAAGAAGGTT
TTCGGCTCGTAAAACTCTGTTGTTGAAGAAGAACGTACGTGAGAGTAACTGTTCACGCAGTGACGGTATTCGACCAG
AAAGTCCCGGCTAACTACGTGCCCGCACCCGCCGTAATACGTCTGTGGCTAGCGTTATCCGGATTTATTGGGCGTAAA
GCGAGCGCAGGCGGTTACTTAAGTCTGATGTGAAAGCCTTCGGCTTAACCGAAGAAGTGCATCGGAAAAGGGGTGA
CTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGAGGTGGAATGCGTAGATATAGGGAAGAACACCAGTGGC
GAAGGCGGCTGGCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGAGAACAGGATTAGATACACTGGTA
>OTU2057;tax=d:Bacteria(0.0041),p:Firmicutes(0.0000),c:Bacilli(0.0000),o:Lactobacillales(0.0000),f:Enteroc
occaceae(0.0000),g:Enterococcus(0.0000);
GCCAAATGCTTCCTCAAGCTCAACCGGCTGGTCAGTATTTTACCAATGCCCCAATCAACGACATGCCTCGCAAGGTTA
GTGCTGGGGTTGCCTTAGTTCATCAGCAAACGCAGAATCAGCGGTATGGCTCTTCTCATATTGGCGCTACTGCAAAGG
ATATTTCTAATGTCGTCACTGATGCTGCTTCTGGTGTGGTTGATATTTTTCATGGTATTGATAAAGCTGTTGCCGATACT
TGGAACAATTTCTGGAAAGACGGTAAAGCTGATGGTATGGGCTCTAATTGGTCTAGGAAATAACCGTCAGGATTGAC
ACCCTCCCAATTGGAGGGTTTCATGCCTCCAAATCT
>OTU2056;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9867),c:Fusobacteriia(0.9726),o:"Fusobacteriales"(0.
8955),f:"Fusobacteriaceae"(0.7428),g:Fusobacterium(0.3043);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGACCAAAGGTCGGATCAAGCAATTCTGTGTGCACGATGACGGT
CTTAGGATTGTAAAGTGCTTTCAATTGGGAAGAAACAAATGACGGTACCAATAGAAGAAGCGACGACTAAATACGTG
CCAGCAGCCGCGGTAATACGTAGGTAGCAAGCGGTATCCGGATGTATTGGGCGTAAAGCGCGTCTAGGTGGTTTGG
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CGGAACTACAAGTGTAGAGGTGAAATTCGTAGATATTTGTAGGAATGCCGATAGAGAAGGCAGCTCACTGGACGAA
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>OTU2058;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9791),o:"Bacteroidales"(0.9
730),f:Bacteroidaceae(0.8505),g:Bacteroides(0.7643);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
CCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGGATACCCGTTTGCATGTACTTTATGAATAAGG
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGATGGATGTTTAAGTCAGTGGTGAAAGTTCGAGGCTCAACCGTAAAATTGCAGTGAAAACTGATTATCTTGA

GTGCAGTGGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGG
CAGCCTGCTAAGCTGCAACTGACGTTAAGGCTCGAAGGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU2059;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9861),o:Lactobacillales(0.9063),f:Lactoba
cillaceae(0.7787),g:Lactobacillus(0.3915);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGCGTGAAGAAGGG
TTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCA
GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTTGCAAGCGTTATCCGGATTTATTGGGCGTA
AAGCGAGCGCGGGCGGTTGCTTAGGTCTGATGTTGAAGACATCGGCTCAACCGAAGAAGTGCATCGGGAACCGGGC
GACTTGAGTGCAGTAGAGGACAGTGGAGCTCCATGCGTAGCGGTGGAATGCGTAGACATATTGACGAACACCAGTG
GCGAAGGCGGCTGTCTGGTCTGCAACTGACGCGAAGGCTCGAAAGCATGGGGAGCAAACAGGATTAGATACCCGG
GTA
>OTU2060;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9791),o:Clostridiales(0.9707),f:Rumin
ococcaceae(0.9294),g:Gemmiger(0.3043);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGATGAAGAAGGT
TTTCGGATTGTAAACTCCTGTCTTTAGGGACGATAATGACGGTACCTAACAAGAAAGCACCGGCTAACTACGTGCCAG
CAGCCGCGGTAAAACGTAGGGGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGATCGGCAA
GTTGGAAGTGAAAACCATGGGCTCAACCTAGATATTGCTTTTAAAACTGCTGGCCTAGAGTGATGCAGAGGTAGGTG
GAATTCCCGGTGTAGCGGTGGAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGACCTACTGGGCAGTAA
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>OTU2062;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9776),o:"Bacteroidales"(0.9
685),f:"Prevotellaceae"(0.8864),g:Prevotella(0.5239);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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ACCGGCTAATTCTGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCCGGAGATTAAGCGTGTTGTGAAATGCAGTCGCTCAACGTCTGCACTGCAGCGCGAACTGCCCAGCTTGA
GTGCGCGCAACGTTGGCGGAATTCGCCGTGTAGCGGTGAAATGCTTAGATATGGCGAAGAACTCCGATTGCGAAGG
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>OTU2061;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Rumin
ococcaceae(0.0904),g:Clostridium_IV(0.0087);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGAGGACGGT
CCTACGGATTGTAAACCTCTTTTGTCGGGGAGTAACGTGCGGGACGCGTCCCGTATTGAGAGTACCCGAAGAAAAAG
CATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTACTGGGTGTAAAGG
GCGTGTAGGCGGGATTGCAAGTCAGATGTGAAAACCACGGGCTCAACCTGTGGCCTGCATTTGAAACCGTAGTTCTT

GAGTACTGGAGAGGCAGACGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAA
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>OTU2064;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9994),c:"Bacteroidia"(0.9762),o:"Bacteroidales"(0.9
497),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGAGAGTCTGAACCAGCCAAGTCGCGTGAAGGATGACGGC
CCTATGGGTTGTAAACTTCTTTTATATGGGAATAAAGTGAGCCACGTGTGGCTTTTTGTATGTACCATACGAATAAGG
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GCGTAGGCGGACTATTAAGTCAGATGTGAAAGGTTGGGGCTCAACCGGAGAATTGCAGTTGATACTGGTCGTCTTGA
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>OTU2063;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9900),c:Fusobacteriia(0.9733),o:"Fusobacteriales"(0.
9063),f:"Fusobacteriaceae"(0.7787),g:Fusobacterium(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGACCAAAAGTCTGATCCAGCAATTCTGTTTGCACGATGACGGT
CTTAGGATTGTAAAGTGCTTTCAATTGGGAATAAACAAATGACGGTACCAATAGAAGAAGCGACGGTTAAATACGTG
CCAGCAGCCGCGGTAATACGTATGTGCCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGCGTCTAGGTGGTTTGGT
AAGTCTGATGTGAAAATGCGGGGCTCAACGCCGTATTGCGTTGGGAACTGCCTAACTAGAGTATCGGAGAGGTAGG
CGGAACTAGAGGTGTAGAGGTGAAATTCTTAGATATTTGTAGGAATGCCGATAGAGAAGGCAGCTCACTAGACGAA
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606),f:"Prevotellaceae"(0.8146),g:Prevotella(0.6200);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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GCGTAGGCCGGAGATTAAGCGTGGCGTGAAATGTAGACGCTCAACGTCTGAACTGCAGCGCGAACTGGTTACCTTG
AGTACGAAGAAAGTGGGTGGAATTCGTGGTGTAGAGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAG
GCAGCTAAATGGAGCGCAACTGAAGCTGAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU2065;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.7727),c:Alphaproteobacteria(0.2902),o:Rhodospiril
lales(0.0547),f:Rhodospirillaceae(0.0149),g:Azospirillum(0.0066);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGGGAGACCCTGATCCAGCCATGCCGCGTGCGTGACGAAGGC
CTTCGGGTTGTAAAGCTCTTTTACATGGGAAGATAATGACGGTACCATGAGAATAAGCACCGGCTAACTTCGTGCCA
GACGCCGCGGTAATACGAAGGGTGCCAGCGTTGTTCGGAATTACTGGGTGTAAAGGGCGTGTAGGCGGACTTGCAA
GTTAGTCGTGAAAGCCTTGGGCTTAACGTGAGACTTGCCATTGATACTGTGGGTCTGGAGTATCAGAGAGGATGACG

GAATATCCAGTGTAGAGGTGAAATTCGTAGATATTGGATAGAACACCGGTGGCGAAGGCGGTTATCTGGCTGATTAC
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cillaceae(0.9201),g:Lactobacillus(0.9085);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGCCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTT
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TA
>OTU2068;tax=d:Bacteria(1.0000),p:Firmicutes(0.3448),c:Bacilli(0.1740),o:Lactobacillales(0.0781),f:Lactoba
cillaceae(0.0252),g:Lactobacillus(0.0076);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATAGACGCAAGTCTGATGGAGCAACGCAGCGTGAGTGAAGAAGGTT
TTCGGATCGTAAAGCTCTGTTGTTGGTGAAGTAGGATGGAGGTAGTAACTGGCCTTTATTTGACGGTAAGTATTTAGA
AAGTCACGGCTAACTACGTGACAGCAGCGGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAA
GGGAGCGCAGGCCGTAGGTTAAGCGTGTCGTGAAATTCCGCCGCTCAACGGCGGACGTGCGGCGCGAACTGGTCCT
CTTGAGTACGCGGGACGTTGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCG
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719),f:Bacteroidaceae(0.0710),g:Bacteroides(0.0157);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGAAGACTGC
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GCGTAGGCGGCTTTGCAAGCCAGATGTGAAAGCCCGGGGCTCAACCCCGGGACTGCATTTGGAACTGTAATGCTAG
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GCGGCTTACTGGACGGTATCTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2070;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lachn
ospiraceae(0.2184),g:Ruminococcus2(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGACTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
TTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACGACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAAAGGCA
AGTCTGATGTGAAAATCCGGGGCTCGCCCGCGGAACTGCCTTGGCAACTGTTTTTCTTGAGTGCCGGTGGTGTAAGC

GGAATTCCTAGTGTAGCGGTGACATGCGTAGTTATTAGGAGGAACCCCAGTGGCGAAGGCGGCTTACTGGACAGTA
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ospiraceae(0.2864),g:Clostridium_XlVa(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
TTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAAAGGCA
AGTCTAATGTGAAAGCCCTCGGCTTAACCGAGGAACTGCATCGGAAACTGTTTTTCTTGAGTGCAGAAGAGGAGAGT
GGAACTCCATGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGAA
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>OTU2072;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Rumin
ococcaceae(0.8505),g:Subdoligranulum(0.1299);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCCACGCCGCGTGGAGGAAGAAGGT
TTTCGGATTGTAAACTCCTGTCGTTGGGGACGATAACGACGGTACCCAACAAGAAAGCCCCGGCTAACTACGTGCCA
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172),f:"Prevotellaceae"(0.8146),g:Prevotella(0.4351);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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GAGTACGCACAAAGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAGGAACTCCGATGGCGAA
GGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU2073;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachn
ospiraceae(0.3544),g:Oribacterium(0.0808);
ACGGAAGGCAGCAGTGGGGAATAATGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTT
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AGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAACAGC
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CGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATCAGGAAGAACACCGGTGGCGAAGGCGGCTTGCTGGACGGT
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>OTU2075;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Rumin
ococcaceae(0.2864),g:Ruminococcus(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
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CAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTCATCCGGATTGACTGGGTGTAAAGGGAGCGTAGGCGGCATGG
ACAGTCTGATGTGAAAACCCAGGGCTCAACCTGGGGGGTGCATTGGATACGGGCAAGCTAGAGTGTCGGAGAGGTA
AGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGACGAAGGCGGCATACTGGACG
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>OTU2077;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9740),o:"Bacteroidales"(0.9
172),f:"Prevotellaceae"(0.7428),g:Prevotella(0.3479);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTATGGGTTGTAAACTGCGTTTATAGGGGAATAAAGTGAGGGACGTGTGGCGTATTGCAGGTACCACATGAATAAG
GACCGGCTAATTCCGTGCCTGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCCGTCTTTTAAGCGTGTTGTGAAATGGCGGCGCTCAACCTGAGCGGTGCAGCGCGAACTGTGAGACTTG
AGTGCGCGGAATGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAG
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>OTU2076;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9168),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4
652),f:"Prevotellaceae"(0.1485),g:Prevotella(0.0181);
AAGGGAGGCAGAAGGGAGGAAGAGGGGGAAAGGGGGGAAAGAGGGAAGAAGAAAAGGAGAGTGAGGGAAGAC
TGCCCTACGGGTTGTAAACCTCTTTTGTTTGGGAATAAAGTGCGGGACGTGTCCGGCATTGCATGTAGCATTTGAATA
AGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAG
GGAGCGCAGGCCGTGAGTTAAGCGTGTCGTGAAATTCCGTCGCTCAACGGCGGACGTGCGGCGCGAACTGGTCCAC
TTGAGTACGCGGGACGTTGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGA
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>OTU2078;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:"Bacteroidia"(0.2902),o:"Bacteroidales"(0.1
249),f:"Prevotellaceae"(0.0252),g:Prevotella(0.0076);
ACGGGAGGCAGCAGTGGGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCACGTAGCGTGAGGGATGACTGC
CCTATGGGTTGTAAACCTCATCTGTTTGGGAATAAAGTTCGGGGCGTGTCCCGCATTGCATGTGCCATTTTAATAAGC
ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGTTCCGGGCGTTATCCGGATTTATTGGGTGTAAAGGAA
GCGCAGGCGGTAGGCTAAGCGTGCTGTGAAATCCTGTGGCTCAACGGCAGAAGTGCGGCGCGAACTGGTCAGCTGG

AGTACGGGGGACGTTGGCGGAATTCGTGGTGTAGCGGTGAAATGCGTAGATATCACGAAGAACACCGATGGCGAA
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>OTU2080;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9604),o:"Bacteroidales"(0.8
629),f:"Prevotellaceae"(0.6350),g:Prevotella(0.3479);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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ACCGGCTAATTCTGTGCCATCAGCCGCGGTAATACTGAAGGTCTGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCCGTTTTATAAGCGGGTTGTGAAATGTCCGGGCGCAACCTGGACATTGCAGCGCAAACTGTGAAACTTGA
GTGCGCAGGAAGTAGGCGGAATGCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAGGAACACCGATTGCGAAG
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>OTU2079;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9441),c:"Bacteroidia"(0.6346),o:"Bacteroidales"(0.3
639),f:"Porphyromonadaceae"(0.0904),g:Barnesiella(0.0181);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTCGCGTGAAGGAAGACGGC
CCTATGGGTTGTAAACTTCTTTAGCGGGGGCACAAAGGACGGCACGCGTGGCGAGATGAGGGTACCCCCAGAATAA
GCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGG
GTACGTAGGCGGGTTGCCAAGTCAGCGGTCAAATACCGGGGCTTAACCTCGGTCTGCCGTTGAAACTGGCTGTCTAG
AGTGGGGGCGAGGTACGCGGAATGCGTTGTGTAGCGGTGAAATGCATAGATATGACGCAGAACTCCGATTGCGAAG
GCAGCATACCGGGCGCCAACTGACGCTGAGGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU2081;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Bacilli(0.4428),o:Lactobacillales(0.2039),f:Lactoba
cillaceae(0.0904),g:Lactobacillus(0.0157);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGT
TTTCGGATTGTAAACCTCTGTTTTCGGTGACGAACAAATGACGGTAACCGAGTAGGAAGCCACGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGCGTAGGCGGTTTGGT
AAGTTGGATGTGAAATACCCGGGCTTAACTTGGGGGCTGCATCCAATACTGTCGGACTTGAGTGCAGAAGAGGACA
GTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTG
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>OTU2082;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9540),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5
023),f:"Prevotellaceae"(0.2184),g:Alloprevotella(0.0230);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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GGACCGGCTAATTCCCTTCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGG
GAGCGTAGGCGGGCTGTTAGGTCAGAGGTGAAATCCGGCGGCTCAACCGTCAGCCTGCAGTTGATACTGGTGGTCTT

GAGTGAGCGAAGGGGCGGTGGAATTCATGGTGTAGCGGTGAAATGCTCAGATATCAGGAAGAACTCCGATCGCGA
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>OTU2083;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Bacilli(0.7881),o:Lactobacillales(0.5023),f:Lactoba
cillaceae(0.3204),g:Lactobacillus(0.0904);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTT
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>OTU2084;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Lachn
ospiraceae(0.1098),g:Clostridium_XlVb(0.0204);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGG
TTTCGGCTCGTAAAGCTCTGTTGGTAGTGAAGAAAGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATTACTTAG
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GTA
>OTU2086;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8
520),f:"Prevotellaceae"(0.5273),g:Prevotella(0.2171);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTCTGGGTTGTAAATTCCTTTTATAGGGGGGTTAAGTATGCCACGTGTGGCATATTCCAGGTACACTATGAATCAGG
ACCGGGTAATTCCGTGCCAGCAGCCGCCGTAATACGGAAGTTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCCGACTTATAAGCGTGATGTGAAATGTCTGGGCTCAACCTGTGCATTGCATTGCGAACTGTGAGTCTTGA
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>OTU2087;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9604),o:"Bacteroidales"(0.8
629),f:"Prevotellaceae"(0.5632),g:Prevotella(0.0904);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGCCGCGTGCAGAATGAAGGC
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GACCGGCTAATTCCGCGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG

AGCGTAGGCCGTTTGGTAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGAATTGCAGCGCGAACTGGCAGACTT
GAGTGCGCAAGAGGTAGGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACACCAATGGCGAA
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>OTU2085;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Bacilli(0.9784),o:Lactobacillales(0.9172),f:Lactoba
cillaceae(0.8146),g:Lactobacillus(0.6200);
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CTTGAGTGCATAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGAAATGCTTAGATATATGGAAGAGCACCAATGGC
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>OTU2088;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9933),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4
652),f:"Prevotellaceae"(0.1485),g:Alloprevotella(0.0204);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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ACCGGCTAATTCCGTGCCAGCAGCCGCGGTACTACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCGGAAGATTAAGTCAGGGGTAAAATCGTGCGGCTCAACCGTACATAGCAGTTGATACTGATGAGCTTGA
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>OTU2089;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.9
063),f:"Prevotellaceae"(0.7787),g:Prevotella(0.3479);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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CGAAATGAGAGTCGTCGGCGAGGGATGCCACGGTGAGCTGTGGTTGACATGACACTACTATGGTATTGTAGCCGTG
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ococcaceae(0.2524),g:Saccharofermentans(0.0326);
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CAAGTCAGGTGTGAAATCTATGGGCTTAACCCATAAACTGCACTTGAAACTGGATCTCTTGAGTGTCGGAGAGGTAG
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cillaceae(0.9871),g:Lactobacillus(0.9799);
AAGGGAGGAAGAAGGAGGGAAGAGGAAAAAAGGGAAGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAG
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GTA
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023),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0181);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTCGCGTGCAGGAAGACGGC
CCTCTGGGTTGTAAACTGCTTTTATACGGGGATAAATTACGGGATGCATCCCTTTTTGCAGGTCCCGCTTGAATAAGG
CCCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCTGGAGATTAAGCGTGTTGTGAAATGCCGCGGCTCAACCGTGGCGCTGCAGCGCGAACTGGTAGTCTTG
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>OTU2094;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Erysipelotrichia(0.3483),o:Erysipelotrichales(0.14
83),f:Erysipelotrichaceae(0.0560),g:Turicibacter(0.0134);
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>OTU2095;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Peptostreptococcaceae(0.3884),g:Clostridium_XI(0.1735);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGATTTACTGGGCGTAACGGGTGCGTAGGTGGTTTCTTGAGCGTGGGGTGAAAGGCTATGGCTTAACCATAGTTAGCCCCGCGAACTGGGAGACTTGAGTGCAGGAGAGGAAAGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAGGGCGGCTTTCTGGACTGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2096;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Ruminococcaceae(0.5991),g:Oscillibacter(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAACCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTTTTCGGATTGTGAACTTCTTTTATCAGGGACGAAGAAAGTGACGGTACCTGATGAATAAGCCACGGCTAACTGCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGCAGCCGGGTCTGCAAGTCAGATGTGAAATCTGGAGGCTTAACCTCCAAACTGCATTTGAAACTGTAGGTCTTGAGTATCGGAGAGGTAACCGGAATTCCTTGTGTAGCGGTGAAATGCGTAGATATAAGGAAGAACACCAGTGGCGAAGGCGGGTTACTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2097;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9572),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5023),f:"Porphyromonadaceae"(0.2184),g:Barnesiella(0.0326);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGTAAGGCTGAACCAGCCAAGTCGCGTGAGGGAGGACGGCCCTACGGGTTGTAAACCTCGTTTGTCAGGGAGCAAGGGACAGGTCGTGACCTGTTGTGAGAGTACCTGAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGAGGCACAAGTCAGCGGTAAACTCGCGGGGCTCAACCCCGCTCCGGCGTTGAAACTGTGTCCCTTGAGTGCGCGAAGGGTAGGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACTCCGATCGCGAAGGCAGCACACCGGCGCTCAACTGACGCTCATGCACGAAAGTGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU2099;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Bacilli(0.7497),o:Lactobacillales(0.4652),f:Lactobacillaceae(0.2864),g:Lactobacillus(0.0808);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGCAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGCGTAAAGGGTGCGTCGGCGGTAGGCTAAGTTGGATGTGAAATACCCGGGCTTAACGTGGGGGCTGCATGCAAAACTGGTTTACTAGAGTTCAGGAGAGGGAAGCGGAATTCCTAGTGTAGCGGTAAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2100;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Peptostreptococcaceae(0.4224),g:Clostridium_XI(0.2171);
AAGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTCATAAGTAGGGGGCTAGAGTTATCCGGATTTACTGGGCGTAAAGGGTGCGTAGGTGGTCTCTTAAGTCAGGAGTGAAAGGCTACGGCTCAACCGTAGTAAGCTCTTGAAACTGGGGAACGTGAGTGCAGGAGAAGAAAGTGGAATTCCTAGTGTGTCGGTGACATGCGTAGATATTAGGAGGAACACCAGTAGCGAAGGCGGCTTTCTGGACTGTAACTGTCACTGAGGCATGAAAGCGTGGGGAGCAAACATGATTAGATACCCTGGTA
>OTU2098;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Ruminococcaceae(0.1485),g:Intestinimonas(0.0157);
ACGGGAGGCAGCAGTGGGGAACATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGGTCTTCGGATTGTAAACCTCTGTTGATAGGGAAGAAGACAGTGACGGTACCTATCGAGGAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAACACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGTGTAGGCGGGACAACAAGTCAGATGTGAAACTTATGGGCTTAACCCATAACCTGCATTTGAAACTGCTGTTCTTGAGAGTCGGAGAGGTAGATGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGATCTACTGGACGACCACTGACGCTGAGACACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2102;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Ruminococcaceae(0.1679),g:Anaerobacterium(0.0230);
ACGGAAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAAGGAAGAAGGTTTTCGGATCGTAAACTTCTTTAAGTGTGGAAGAAGATGACGGTACACACAGAACAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGATGTCCGGAGTTACTGGGTGTAAAGGGCGTGTAGGCGGGTGAACAAGTCAGATGTGAAATACCGGGGCTCAACTCCGGGGCTGCATTTGAAACTGTTTATATTGAGTGCCGGAGAGGAAAGCGGAAGTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGACTGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2103;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8628),c:"Bacteroidia"(0.5579),o:"Bacteroidales"(0.2999),f:"Prevotellaceae"(0.0710),g:Prevotella(0.0134);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTAGCGTGAGGGAAGACTGCCCTACGGGTGGTAAACCTCTTTTGTTTGGGAATAAAGTGCGGGACGCGTCCCGCATTGCATGTACCATTTGAATAAGGACCGGCTAATTCCGTGCCAGCAGTCGCGGTAATACGGAATGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGTGGGTGAAGCGTGTCGTGAAAGTCCGGGGCTTAACGGCGGGCGTGCTGCGGGAACTGGTCCTCTTGAGTACGCGGGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCGTAGATATCAGGAAGAACACCGATTGCGAAGGCAGCTGACGGGAGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU2101;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Clostridiaceae_1(0.0904),g:Clostridium_sensu_stricto(0.0181);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGAGAAGAAGGTCTTCGGATTGTAAATCTCTGTCGCAGGGGACGAAGGAAGTGACGGTACCCTGTGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGTAATTTAAGTTGGATGTGAAATACCCGGGCTTAACCTGGGGGGTGCATTCAAAACTGGATAGCTAGAGTGCAGGAGAGGGAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2104;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9988),c:Betaproteobacteria(0.9740),o:Burkholderiales(0.8737),f:Sutterellaceae(0.7428),g:Sutterella(0.6200);
AAGGGAGGAAGAAGGGGGGAATTTTGGACAATGGGGGCAACCCTGATCCAGCCATGCCGCGTGCAGGATGAAGGTCTTCGGATTGTAAACTGCTTTTGTCAGGGACGAAAAGGACTGTGCCAATACCACAGTCTGCTGACGGTACCTGAAGAATAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGCAATACGTAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGTGCGCCGGCGGTTCTGTACGACAGATTGGAAATCCCCGGGCTTAACCTGGGAATTGCATTTGAGACTGCAGGACTAGAGTGCATCAGAGGGGGGTGGAATTCCAAGTGTAGCAGTGAAATGCGTAGATATTTGGAAGAACACCAATGGCGAAGGCAGCCCCCTGGGATGTGAATGACGCTCATGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCATGGTA
>OTU2105;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Bacilli(0.9812),o:Lactobacillales(0.7623),f:Lactobacillaceae(0.4563),g:Lactobacillus(0.0904);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCGACGCCGCGTGAGTGAAGAAGGGTTTCGGCTCCTAATGCTCTGTTCGTAGTGATGAAAGATAAGGTTAGTAACTTGCCTTTATTTGACGGTGATTACTTAGAAAGTCACGGCTAACTACGTGCCAGCATCCGCGTTAATACGTAGGTGGCATGCGATGTCCGGATTTATTGGGCGTAAAGCGAGCGAAGGCGGAAAAATAAGTCTAATGTGAAAGCCCTCGGCTGAACCGAGGAACTGCATCAGAAACTGTTGTTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGGAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCACGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU2107;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Bacilli(0.9851),o:Lactobacillales(0.9063),f:Lactobacillaceae(0.7428),g:Lactobacillus(0.4351);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAGAGTCTGATGGAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGAGCGGAAAGCTGTGTTGATGGGGAAGAAGGATAGAGGTAGTAACTGGCCTTGATTTGACGGTAATCAACCAGAAAGTCACGGCTAACGACGTGCCAGCAGCCGCGGTAATAGGTAGGGGGCTAGCGTGGTCCGGATTTATTGAGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCCTCGGCTTAACCTCGGAACTGCATCGGAAACTGTTCTGCTTGAGTGCAGTAGATGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCTTAGATATATGGAAGAACACCGGTT

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>OTU2106;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Rumin
ococcaceae(0.0560),g:Clostridium_III(0.0076);
ACGGGAGGCAGCAGTAAGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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AAGTTGGGAGTGAAATGCAGGGGCTCAAGCCCTGAACTGCTCTCAAAACTGTATCCCTTGAGTATCGGAGAGGCAAG
CGGAATTCCTGGTGTGGCGGTGAAATGCTTAGATATTAGGAGGAACACCAGTGGGGAAGGCGGCTTGCTGGACGAC
AACTGACGCTGAGGCGCGAAAGCGTGGGGAGAAAACAGGATTAGTACCCTGGTA
>OTU2109;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9933),o:Lactobacillales(0.9798),f:Lactoba
cillaceae(0.9666),g:Lactobacillus(0.7162);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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TAGGTCTGATGTGAAAGCCTTCGGCTTAACCGAAGAAGTGCATCGGAAACCGGGCGACTTGAGTGCAGAAGAGGAC
AGTGGAACTCCATGTATAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCT
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1(0.8146),g:Bacillus(0.7162);
GTGCCAGCCGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGCGCGCGCAGGTGGTT
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GAAAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGAGATACGGAGGAACACCAGTGGCGAAGGCGACTTTCTGG
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>OTU2110;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Clostri
diaceae_1(0.1679),g:Clostridium_sensu_stricto(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGT
CTTCGGATTGTAAAGCTCTCTCTTTGGGGACGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTACAGGGAGCGTAGGCGGATTTTAAA
GTGAGATGTGAAATACTCGGGCTAAACCTGAGAGCTGCATTTCAAACTGGGCTACTTGAGTGCAGGAGAGGAAAGC
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>OTU2108;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Peptostreptococcaceae(0.0355),g:Clostridium_XI(0.0087);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGTCCTATGGATTGTAAACTGCATTTTTCGGGGAATAATAAGACTTTTGCGAAGGTTGATGCAGGTACCCGAAGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGAAGGATTCGAGCGTTATCCGGATTTATTGGGCGCAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGGAGTGAAAGGCTACGGCTCAGCCGTAGTAAGCTCTTGAAACTGGGAAACTTGAGTGCAGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGCTTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2114;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Peptostreptococcaceae(0.3204),g:Clostridium_XI(0.0904);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTATCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGATTTACTGGGCGTAAAGGGCGCGTAGGCGGGGATACAAGTCAGGTGTGAAATCTATGGGCTTAACCCATAAACTGCACTTGAAACTGTATCTCTTGAGTGTCGGAGAGGTAGACGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAGCACCAGTTGCGAAGGCGGCTCTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2112;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Ruminococcaceae(0.2864),g:Clostridium_IV(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTGTTGTCAGGGACGAGGAGAAGACGGTACCTGACGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGTCGGCAAGTCAGATGTGAAATCCACGGGCTTAACGCGTGAACTGCATTTGAAACTGCGGCTCTTGAGTGCCGGAGAGGAGAGCGGAATACCTAGTGTAGCAGTGGAATGCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGCTTCTCTGGACTGTGACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2115;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Clostridiaceae_1(0.5273),g:Clostridium_sensu_stricto(0.2171);
ACGGGAGCCAGCAGTGGGGAATATTGCACACTGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCCAGCGTTGTTCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTTTTATGTGAGATGTGAAATACCCGGGCTTAACTTGGGTGCTGCATGTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAAGGGAATTCCTAGAGTAGCGGTGAGATGCGTAGAGATTAGGAAGAGCACCAGTGGCGAAGGCGCTTCTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2116;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Clostridiaceae_1(0.2184),g:Clostridium_sensu_stricto(0.0615);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGTCTTCGGATTGTAAAGCTCTGTCTTTGGGGACGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGCAGGCGGTTTGATAAGTCTGATGTGAAAGCCTTTGGCTTAACCAAAGAAGTGCATCGGAAACTGTCAGACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2117;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Clostridiaceae_1(0.0560),g:Clostridium_sensu_stricto(0.0134);

ACGGAAGGCAGCAGTGAGGGATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAGGGATGACGGTTTTCGGATTGTAAACCTCTGTCCTCTGTGAAGATAGTGACGGTAGCAGAGGAGGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGATGCAAGTTGGGAGTGAAATCCATGGGCTGAACCCATGAACTGCTTTCAAAACTGCATCCCTTGAGTATCGGAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGCTTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2113;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Ruminococcaceae(0.1872),g:Saccharofermentans(0.0181);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTCTTCGGATTGTAAACTTCTTTTATCAGGGACGTAGGAAGTGACGGTACCTGATGAATAAGCCACGGCTAACTATGTGCCAGCAGCCGCTGTAATACGTAGGTGGCGAGCATTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGGATACAAGTCAGGTGTGAAATCTATGGGCTTAACCGATAAACTGCGCTTGAAACTGTTGCTCTTGAGTGACGGCGAGGTAGGCGGAATGCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGTCTACTAGACGATAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2119;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Ruminococcaceae(0.5991),g:Oscillibacter(0.1299);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAATGCCACGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTAAGAGGGAAGAGTAGAAGACGGTACCTCTTGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGTTCGCAAGTCAGATGTGAAATGCAGGGGCTTAACCCCTGAGCTGCATTTGAAACTGTGGATCTTGAGTATCGGAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGTCTGATGGCCGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2118;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Peptostreptococcaceae(0.5991),g:Clostridium_XI(0.4351);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGCGGGATGGAGGCCTTCGGGTTGTAAACCGCTATCAGCAGGGACGATTGTGACGGTACCTGCAGAAGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGATTTACTGGGCGTAAAGGGTGCGTAGGTGGTCTCTTAAGTCAGGAGTGAAAGGCTACGGCTTAACCGTAGTAAGCTCTTGAAACTGAGAGACTTGAGTGCAGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTAGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2120;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Clostridiaceae_1(0.1098),g:Clostridium_sensu_stricto(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGTCTTCGGATTGTAAAGCTCTGTCTTTGGGGACGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCGGTCTTATAAGCGTGACGTGAAATGCAGCGGCTCAACCGTAGGATGTGCGTCGCGAACTGTGAGACTTGAGTGTATTCGATGTCAGCGGAATTTGTGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTTCTGGACAGTAACTGACACTGAGGTACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2122;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9903),o:Lactobacillales(0.9606),f:Lactobacillaceae(0.9108),g:Lactobacillus(0.7643);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCGAGTCTGATGGAGCAACGTCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTTTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGTCCTTTATTTGACGTTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGAGACAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCATAGGCTTAACCGAGGAACTGCATCGGAAACTGGTTTTCTTGAGTACAGACGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCACGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU2123;tax=d:Bacteria(0.0058),p:Cyanobacteria/Chloroplast(0.0000),c:Chloroplast(0.0000),f:Chloroplast(0.0000),g:Euglenida(0.0000);
GTGAACATCGAATCTTTGAACGCATCTTGCGCCTTTTGGTATTCCAAAAGGCACACCTGTTTGAGTGTCATGAAGCCCTCTCATTAAACATTTTATAACTTGTTTAAAATTGTTTAGTGGATGTTGAGTGTTGCTGTCATTAGCTCACTTTAAATATATAAGTCACTTTTCAAATAAGTTGGATTGACTTGGTGTAATAATTTTATCATCACATCAAGGAAAGTAGCAATACTTGCCATCTTGTTTAATATGAGGGACTTCTAAAAACCCCCCCTTTTATAAAATTTAAGACCTCAAATCAGGTGGGACTACCCGCTGAACTTAAGCATATCAATAAGCGGAGGA

>OTU2121;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Ruminococcaceae(0.0904),g:Anaerotruncus(0.0181);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAAGGAAGACGGTTTTCGGATTGTAAACCTCTGTCTTCGGGGACGAAAATGACGGTACCCGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGCGTAGGCGGCTTGGTAAGTTAGAGGTGAAAGTCCAGCTTTCAAGGTTGGAACTGCCTTTAATACTGCTGAGCTTGAGTGCGGAAGAGGTAAGTGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATCAGGAGGAACACCGGTGGCGAAGGCGGCCTGCTGGACAGAAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2125;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Ruminococcaceae(0.0904),g:Fastidiosipila(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTCTCGGGTCGTAAACTTCTTTTAAGAGGGAAGAGCAGAAGACGGTACCTCTAGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCATGGCAAGTCTGATGTGAAAACCCAGGGCTCAACCGTGGGACTGCATTGGAAACTGTCAAGCTGGAGTGTCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGAGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU2124;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.7907),c:Gammaproteobacteria(0.5195),o:"Enterobacteriales"(0.2679),f:Enterobacteriaceae(0.1291),g:Escherichia/Shigella(0.0204);
ACGGAAGGCAGCAGCGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGTAAACTTCTTTTGTCAGGGACGATTAGAAGACGGTACCTGACGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAACGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTTCTAAGTCTGATGTGAAATCCCCGGGCTCAACCTGGGAACTGCATCTGATACTGGCAAGCTTGAGTCTCGTAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGGCGAAGGCGGCTTACTGGACGATAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2127;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9861),o:Lactobacillales(0.9063),f:Lactobacillaceae(0.7787),g:Lactobacillus(0.6681);
ACGGAAGGCAGCAGGAGGGAATCTTCCACAAAGGACGCAAGTCTGCTGGAGCAACGCCGCGTGAGGGAAGTAGGTTTTCGGATCGTAAAGCTCTGATGGTAGTGAAGAAAGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATTACTTAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGTTAATACGTAGGTGGCACGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGTGCAGGCGGTTCAATAAGTCTGATGTGAAAGCTTTCGGCTCAACCGGAGAATTGCATCAGAAACTGTTGAACTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTCGCGAAGGCGGCTCTCTGGTCTGCACCTGCCCCTCAGGCTCGCAAGCATCGGGAGCCAACAGGATTAGATACCCTGGTA

>OTU2126;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9991),c:Betaproteobacteria(0.9462),o:Burkholderiales(0.8520),f:Burkholderiales_incertae_sedis(0.7068),g:Aquabacterium(0.5720);
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>OTU2128;tax=d:Bacteria(0.8696),p:"Bacteroidetes"(0.3448),c:"Bacteroidia"(0.0425),o:"Bacteroidales"(0.0291),f:Marinilabiliaceae(0.0073),g:Alkalitalea(0.0039);
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>OTU2131;tax=d:Bacteria(0.0041),p:Firmicutes(0.0000),c:Bacilli(0.0000),o:Lactobacillales(0.0000),f:Lactobacillaceae(0.0000),g:Lactobacillus(0.0000);
CCACATCGAACCCAACAGCCATATACCTGGTAGCTTTAAGCGGCTCACCTTTAGCATCCCCCGGCCACAACCAACCAGAACGTGCAAAAGCTTCCTGCGTGTAGCGAACTGCGATGGGCATACTGTAACCATAAGGCCACGTATTTTGCAAGCTATTTAACTGGCGGCGATTGCGTACCCGACGACCAAAATTAGGGTCAACGCTACCTGTAGGAAGTGTCCGCATAAAGGGCACCGCATGGAAATGAAGACGGCCATTAGATGTACCAGACTCAGGCACACAAAAAGACTGATAGCAGTCGGCGTGTGAAGCAGTAGAATTGCGACCCTCGGCAGCAAGAACCATACGACCAATATCACGA
>OTU2130;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.6138),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0326);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTGCGCGGGGATAAAGTGCGCCACGTGTGGCGCATTGCAGGTACCGCGCGAATAAGGACCGGCGAATTCCGTGCCAGCAGCCGCGTTAATACGGAAGGTCCGGGCGTTATCCGGATTCATTGGGTTTAAAGGGAGCGCAGGCCGCCCCTTAAGGTTTGTTTTGAATGCCGCGTCGCAACCGTGGCACTGCAGCGCGCACTGGGGGGCTTGAGTGCGCTCATCGCAGGCGGAACTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATCGCGAAGGCAGCCTGCGGGAGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU2129;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:"Bacteroidia"(0.4428),o:"Bacteroidales"(0.2039),f:"Porphyromonadaceae"(0.0904),g:Butyricimonas(0.0181);

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0.0000),f:Micrococcaceae(0.0000),g:Arthrobacter(0.0000);
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0.0000),f:Nocardioidaceae(0.0000),g:Nocardioides(0.0000);
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TACCAGCTTTAGCCCTAGCACCAGAAACAAAACTAGGGACGGCCTCATCAGGGTTAGGAACATTAGAGCCTTGAATG
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4280),f:"Fusobacteriaceae"(0.2524),g:Fusobacterium(0.0519);
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TAAGTCTGATGTGAAAATGCGGGGCTCAACTCGTGAACTGCATTTGAAACTACTCTTCTTGAGTATCGGAGAGGCAAT
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diales_Incertae_Sedis_XI(0.0000),g:Peptoniphilus(0.0000);
TCCAAAGCAATCTCAGCACCAACCGCCACAACCTGATTAGCGGCGTTGCCAGATGTATCCATCTGAATGCAATGACGC
ACACCACCATTACCCGCATTAACCGTCAAACTATCAAAATATAACGTTGACGATGTAGCTTTAGGTGTCTGTAAAACA

GGTGCCGAAGAAGCTGGAGTAACAGAAGTGAGAACCAGCTTATCAGAAAAAAAGTTTGAATTATGGCGAGAAATAA
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>OTU2136;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Rumin
ococcaceae(0.1485),g:Papillibacter(0.0157);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCCGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
CTTCGGGTTGTAAACCTCTTTTAAGAGGGAAGAAGAAGTGACGGTACATCTTGAATAAGACCCGGCTAACTACGTGC
CAGCAGCTGCGGGAATACGTACGTGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGAATGC
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606),f:"Prevotellaceae"(0.8864),g:Prevotella(0.6681);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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AGCGTAGGCCGCATTATAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGGGAACTGTGGGACTG
GAGTGCGCAGGAAGTAGGCGGAATTCGTGTTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAA
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798),f:"Rikenellaceae"(0.9852),g:Alistipes(0.9762);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCATGCCGCGTGCAGGAAGACGGC
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GAGTAGTTGCGGTAGGCGGAATGTATGGTGTAGCGGTGAAATGCTTAGAGATCATACAGAACACCGATTGCGAAGG
CAGCTTACCAAACTATAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU2137;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachn
ospiraceae(0.2524),g:Clostridium_XlVa(0.0615);
ACGGGAGGCAGCAGTGGGGGATATTCCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
TTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAATCAGCCCCGGCTAACTACTTGCCAG
CAGCCGCGGTATTACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGGTGCAAG
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GAATTCCAAGTGTAGCGGTGAAATGCGTAGATATAAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACAGCAA
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cillaceae(0.2864),g:Lactobacillus(0.0712);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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629),f:"Prevotellaceae"(0.5273),g:Prevotella(0.1735);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
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3),f:Spirochaetaceae(0.9759),g:Treponema(0.3479);
ACGGAAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGGACGAGGAAGGC
CGGAAGGTTGTAAAGTCCTGTTGAGACTGAAGAATAAGCGGGGCAGGGAATGGCCCTGTGGTGACGGTAGGTCTTG
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cillaceae(0.9015),g:Lactobacillus(0.7162);
ACGGGAGGCAGCAGTAGGGAATCTTCCCAATGGACGGAAGGCTGATGGAGCAACGCCGGGGGAGGGAAGAAGGG
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cillaceae(0.8505),g:Lactobacillus(0.5720);
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TA

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ospiraceae(0.6709),g:Roseburia(0.4351);
ACGGAAGGCAGCAGTGGGAAATATTGAACAATGGGGGAAACCCTAATGCAGCGACGCCGCGTGAGCGAAGAAGTA
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ales(0.7623),f:Sutterellaceae(0.5273),g:Parasutterella(0.3479);
ACGGAAGGCAGCAGTGGGGAATTTTGGACAATGGGGGCAACCCTGATCCAGCCATGCCGCGTGCGGGAAGAAGGC
CTTCGTGTTGTAAACCGCTTTTGTTAGGAACGAAAAGGCTTTGACGAATAATCAGAGCTGCTGACGGTACCTAAAGAA
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TA

>OTU2146;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8897),o:"Bacteroidales"(0.7
623),f:"Prevotellaceae"(0.4563),g:Prevotella(0.0712);

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GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
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acteriales"(0.0000),f:Enterobacteriaceae(0.0000),g:Erwinia(0.0000);
TTCCAAGTCTCGGCAACAGCTTTATCCATACCCTGCCAAATATCAACCCCACCAGAAGCAGCCTCAGTGACTACATTCG
CAATATCCTTTGCAGTCGCGCCAATATGAGAAGAGCCATACCGCTGATTCTGCGTTTGCTGATGAACTAAGTCAACCT
CAGCACTAACCTTGCGAGTCATTTCTTTGATTTGGTCATTGGTAAAATACTGACCAGCCGTTTGAGCCTGAGTAAGCAT
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ionales(0.9172),f:Desulfovibrionaceae(0.8146),g:Desulfovibrio(0.6200);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCGGACGCAGCGACGCCGCGTGAGGAATGAAGG
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GTA
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42),f:Erysipelotrichaceae(0.9887),g:Clostridium_XVIII(0.9818);

ACGGAAGGCAGCAGTAGGGAATTTTCGGCAATGGGGGAAACCCTGACCGAGCAACGCCGCGTGAAGGAAGAAGGT
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TA

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ospiraceae(0.4914),g:Clostridium_XlVa(0.2607);

AAGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTT
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GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTCATGCAA
GTCTGATGTGAAAGGCGGGGGCTCAACTCCCGGACTTCATTGGAAACTGTAAGGCTGGAGTGCCGGAGAGGTAAGC
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,f:Flammeovirgaceae(0.0000),g:Rapidithrix(0.0000);

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ales"(0.0000),f:Chitinophagaceae(0.0000),g:Niastella(0.0000);

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ACCCTAAATTTTTTGCCTGTTTGGTTCGCTTTGAGTCTTCTTCGGTTCCGACTACCCTCCCGACTGCCTATGATGTTTATC
CGTTGGATGGTCGCCATGATGGGGGTTATTATACCGTCAAGGACTGTGTGACTAGTGACGGCCTTCCCCGTACGCCG
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>OTU2154;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:"Bacteroidia"(0.4428),o:"Bacteroidales"(0.2
039),f:"Porphyromonadaceae"(0.0710),g:Barnesiella(0.0134);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTCGCGTGAAGGAAGACGGC
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>OTU2155;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9887),o:Lactobacillales(0.9497),f:Lactoba
cillaceae(0.9015),g:Lactobacillus(0.7162);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
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AAGCGAGCGCAGGCGGAAAAATTACTCTAATGTGACATCCCTCGGCTTAACCGAGGAACTGCCTCGGAAACTGTTTT
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0),f:Mycoplasmataceae(0.0000),g:Mycoplasma(0.0000);
AAATCACATCAGTGTAATCGCTTACACTAACATTTATCTTAGTTAGGATTTAAGTGCATGAAAATAATTGAGTTATATC
ATCATAGATTAAACGCTGTTAACTGCAATTAAGACTTTACTGAAAAGAAATGTAACAACTGTGAAAACCGAATAATAA
TATGAAAATATTACAAATCTTTGTCTGTTGTGGTTGGTGTAATCGGTTTCAGTTGTGATGATAATCTGCGGTGAAACGT
GATCAGGAAGAATGATGTTATTGTGCGGGCGGTTTTGTTGCCGGATGCGGCGTGATCGCCTATCCAAAAGAAAAAG
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>OTU2159;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9835),c:Deltaproteobacteria(0.9180),o:Desulfovibr
ionales(0.8303),f:Desulfovibrionaceae(0.5991),g:Desulfovibrio(0.3479);
ACGGAAGGCAGCAGTGGGGAATATTGCCCAATGGGCTAAAGCCTGCCGCAGCGACGCCTCGTGTGGGATGACGGTC
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GTA
>OTU2157;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5
023),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0230);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCACGCAGCGTGCAGGATGACGGC
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GACCGGCTAATTCCGCGCCAGCAGCCGCGGTAATACGGAAGTTCCGGGCGTTATCCGGATTCATTGGGTTTAAAGGG
AGCGCAGGCCGCCCCTTAAGCGTGTTGTGAAATGCCGCGGCTCAACCGTGGCACTGCAGCGCGAACTGGGGGGCTT
GAGTACAGGCGAGGTAGGCGGAATTCATAGTGTAGCGGTGAAATGCTTAGATATGGCGAAGAACTCCGGTTGCGAA
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>OTU2160;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Bacilli(0.6346),o:Lactobacillales(0.3639),f:Lactoba
cillaceae(0.1872),g:Lactobacillus(0.0519);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
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AGGGAGCGTAGGCCGTCTTATAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGTGAG
ACTTGAGTGCGCGCAGCGCAGGCGGAACTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAGGAACTCCGATCG
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>OTU2161;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.9
389),f:"Prevotellaceae"(0.9015),g:Prevotella(0.4787);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGTCGCGAGACTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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GGCCGGATAATTCCGTGCCAGCCGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCCGTCTTATAAGCGTGTTGTGAAAGGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGGTAGACTTG
AGTGCGCAGGAAGGAGGTGGAATTCGTCGTGTAGCGGTGAAATGCTTAGAGATGACGAAGAATTCCGATTGCGAAG
GCAGCCCGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU2162;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Rumin
ococcaceae(0.1485),g:Ruminococcus(0.0230);
ACGGAAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGT
CCTATGATTTTAAAGTTCTTTTTTTAAGGACGTAGAAGTGACGTTACTTAATGGTTAAGCTCCGGCTAATGACGTACCA
GCAGCTGCTTTAATACGTAGGGAGCAAGCGTTGTCCGGATTTACTGGGTTTAAAGGGTTCGTAGGCCGCAGAGCAAG
TCAGATGTGAAATCCGGAGGCTTAACCCACGAACTGCATTTGGAACTGTTTTGCTTGAGTGAGGTAGAGGCAGGCGG
AATTCGCTGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACTCCAGTGGCGAAGGCAGCCTGCTGGGCTTTAAC
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>OTU2163;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Rumin
ococcaceae(0.1679),g:Ethanoligenens(0.0326);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGAGGAAACTCTGATGCAGCAACGCCGCGTGAGGGAAGAAGGT
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AGCAGCCACGGAAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGACAGC
AAGTTGGATGTGAAATACAGAGGCTTAACCTAGGGACTGCATTCAAAACTGTAGTGCTTGAGTGAAGTAGAGGTAG
GCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGGCTT
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>OTU2164;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9988),c:Alphaproteobacteria(0.9038),o:Sphingomo
nadales(0.3639),f:Sphingomonadaceae(0.1872),g:Sphingomonas(0.0519);
ACGGAAGGCAGCAGTGGGGAATATTGGACGATGGACAAAAGCCTGAACCAGCAATGCAGCGTGAGTGATGAAGGC
ATTAGGGGTGTAAAGCTGTATTACCCGGGATGATAATGACAGTACAGGGAGGATAAGCTCCGGCTAACTCCGTGCCA
GCAGCCGCGGTAATACGGAGGGAGCTAGCGTTGTTCGGAATTACTGGGCGTAAAGCGCACGTAGGCGGCTTTGTAA
GTTAGAGGTGAAAGCCTGGAGCTCAACTCCAGAATTGCCTTTAAGACTGCATCGCTTGAATCCAGGAGAGGTTAGTG
GAATTCCGAGTGTAGATTTTAAATTCTTATATATTCGGCAGAACGCCCTTGGCTAATGCCGCTCACTGCACTCGTCCTG
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>OTU2166;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9540),c:"Bacteroidia"(0.8048),o:"Bacteroidales"(0.5
395),f:Bacteroidaceae(0.2524),g:Bacteroides(0.0712);
ACGGAAGGCAGCAGCCCGTCAGGATTAGATACCCTGGTAAGATCGGAAGAGCACACGTCTGAACTCCAGTAACTGTT
CGATCTCGTATGCCGTCTTCTGCTTGAAAAAAAAAACGGGTATGCATACCCGTTTGCATGTACTTTATGAATAAGGAT
CGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTCTTGGGTTTAAAGGGAGC
GTAGATGGATGTTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGGAAAATTGAAGTTGATACTGGATATCTTGAGT
GCAGTTGAGGCAGGCGGAATTCGTGGTTTAGCGGTGAATTTTTTATTTAATGATACGGCGACCACCGAGATCTACACT
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>OTU2165;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9992),c:Deltaproteobacteria(0.9834),o:Desulfovibr
ionales(0.9843),f:Desulfovibrionaceae(0.9666),g:Desulfovibrio(0.9743);
ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGT
CTTCGGATCGTAAACCTCTGTCAGAAGGGAAGAAACTAGGGTGCTCTAATCATCATCCTACTGACGGTACCTTCAAAG
GAAGCACCGGCTAACTCCGTGCCGGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAA
AGGGTGCGTAGGCTGTTATGTAAGTCAGGGGTGAAAGCCCACGGCTCAACCGTGGAACTGCCCTTGATACTGCACGA
CTCGAATCCGGGAGAGGGTGGCGGAATTCCAGGTGTAGGAGTGAAATCCGTAGATATCTGGAGGAACATCAGTGGC
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>OTU2169;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9900),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5
023),f:"Prevotellaceae"(0.1872),g:Prevotella(0.0204);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGC
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GCCTGGCTAATTTCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGCAGGCCGCCGGGCAAGCGTGTTGTGAAATGCAGTCGCTCAACGTCTGGGCTGCAGCGCGAACTGCCGAGCTT
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>OTU2167;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Bacilli(0.5579),o:Lactobacillales(0.2999),f:Lactoba
cillaceae(0.1485),g:Lactobacillus(0.0326);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAACCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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GTA
>OTU2168;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9892),o:Lactobacillales(0.9497),f:Lactoba
cillaceae(0.9015),g:Lactobacillus(0.6681);
ACGGGAGGCAGCAGTAGGGAATCTTGAACAATGGACGCAAGTCAGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
GTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGAAGTAACTGGCAGTTACTTGACGGTAATCAACCA
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GTA
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acteriales"(0.8520),f:Enterobacteriaceae(0.7068),g:Escherichia/Shigella(0.3043);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGATGAAGGCC
TTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATGCCTTTGCTCATTGACGTTACCCGCAGAA
GTAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGCAATACGGAGGGTGCATGCGCTAATCGGAATTACTGGGCGTA
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AGCTGGAGTGTCGTAGAGGGGGGTGGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAAGAATACCGGT
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GGTA

>OTU2173;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Eubacteriaceae(0.0710),g:Eubacterium(0.0157);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTTTTCGGATCGTAAACTTCTATCCTTGGTGAAAATAATTATGGTAGCCAAGAAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTACTACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTGACTAGGTGGTTATCTAAGCGTAAGGTTTAAGCGTGCAGCCCAAGTGTATCTCGCATTGCGGACTGGACGACTTGGGTGCAGGAGGCGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGCGGCGAAGGCGGCTGTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2172;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8808),c:"Bacteroidia"(0.2902),o:"Bacteroidales"(0.1249),f:"Porphyromonadaceae"(0.0457),g:Barnesiella(0.0110);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGCCCTATGGGTTGTAAACTTCTTTTGTCGCAGAGTAATAAGGTCTACGCGTGGACCGATGAGAGTACGGGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCGGCCGGGTAAGTCAGCGGTGAAATGTCGGGGCTCAACCCCGGAAGTGCCGTTGATACTGTTTGGCTGGAGTGCGCGCGACGCGGGCGGAATGTGTCGTGTAGCGGTGAAATGCATAGATATGACGCAGAACACCGATTGCGAAGGCAGCTGGCGAGGGCTCAATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU2175;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9762),o:"Bacteroidales"(0.9497),f:"Prevotellaceae"(0.7428),g:Prevotella(0.5720);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATAAGGGAATAAAGTGGGTCACGTGTAATGCTTTGCATGTACCTTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGCAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGGAGATTAAGCGTGTTGTGAAATGTTGCGGCTCAACCTCTGAACTGCAGTGCGAACTGGTCTTCTTGAGTACGGAAGACGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCTATTGCGAAGGCAGCTCACTGGAGCGCAACTGACGCTGATGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU2174;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5579),o:Clostridiales(0.2679),f:Eubacteriaceae(0.0904),g:Alkalibaculum(0.0181);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCCTCAGGGACGAAGGAAGTGACGGTACCTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGTGTAGGCGGCTTTTTAAGTCTGAAGTGAAAATCCGGGGATCAACCCCGGAACTGCTTTGGAAACTGTTTAGCTGGAGTACAGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCTGTGGCGAAGGCGACTTACTGGACATTAACTGACGCTGAGGAGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2176;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9776),o:"Bacteroidales"(0.9685),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGCATACCCGTTTGCATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGATGTGTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGATATCTTGATTGCAGTGGCGGCAGGCGGAATTCTCGGTGTGGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGGTAAGCTGCAACTAACATTGAGCATCGAAAGTGTGGGTATCAAACAGGATTAGATCCCTGGTA

>OTU2178;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Erysipelotrichia(0.5963),o:Erysipelotrichales(0.3319),f:Erysipelotrichaceae(0.1679),g:Turicibacter(0.0423);

ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGAATGATGAAGGCCTTCGGGTTGTAAAATTCTGTTATAAGGGAAGAACGACTTTAGTAGGAAATGGCTAGAGAGTGACGGTACCTTATGAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGTTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTGGATCAAGTCTGATGTGAAAGCCCGGGGCTCAACCCCGGGACTGCATTGGAAACTGATTAGCTAGAGTGCAGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCGGCTCTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2170;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Ruminococcaceae(0.0113),g:Clostridium_III(0.0056);

ACGGAAGGCAGCAGTCGGGAATATTGCGCAATGGAGGAAACTCTGACGCAGTGACGCCGCGTGTAGGAAGAAGGTTTTCGGATTGTAAACTATCGTCGTTAGGGAAGATACAAGACAGTACCTAAGGATGAAGCTCCGGCTAACTACGTGACAGCAGCCGCGGTAATACGTAGGGAGCAAGCTTAATCCGGATTTACTGGGTGTAAAGGGTGCGTAGACGGGACAACAAGTTAGTTGTGAAATCCCTCGGCTCAACTGAGGAACTGCAACTAAAACTATTGTTCTTGAGTGTTGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCGGTGGCGAAGGCGACTTTCTGGACAATAACTGACGTTGAGGCACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2177;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Ruminococcaceae(0.2184),g:Clostridium_IV(0.0326);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTGTCAGGGACGAGAAGAAGACGGTACCTGACGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGTCGGCAAGTTGGTTGTGAAATCCCTCGGCTTAACTGAGGAACTGCAACCAAAACTATCTTTCTTGAGTGCTGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2179;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Lachnospiraceae(0.0904),g:Clostridium_XlVb(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGGAACTCTGATGCAGCAACGCCGCGTGAAGGATGAAGGTCTTCGGATCGTAAACTTCTGTCCTTAGGGAAGAAACAAATGACGGTACCTTTGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTACTGGGCGTAAAGCGTACGTAGGTGGTTTATCAAGCGTGGGGTTTAAGGCTATGGCTCAACCATAGTCAGCCCTGCGAACTGGTGAACTAGAGTACAGGAGGGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCCAACTGGGCTTTAACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2180;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8897),o:"Bacteroidales"(0.7623),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0712);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTTCACTACGTGTAGTGTTTTGTAGGTACCGCATGAATAAGGACCGGCTAATTCCGTGCTAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGGAGGTCAAGCGTGACGTGGAATGTAGCCGCTCAACGGCTGAACTGCGTCGCGAACTGGCTTTCTTGAGTGAGTTCGATGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCCACAAGGCCTTTACTGACGCTAAAGCGCGAGGGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU2181;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9991),c:Betaproteobacteria(0.9805),o:Neisseriales(0.9497),f:Neisseriaceae(0.9294),g:Neisseria(0.6200);
ACGGGAGGCAGCAGTGGGGAATTTTGGACAATGGGCGCAAGCCTGATCCAGCCATGCCGCGTGTCTGAAGAAGGCCTTCGGGTTGTAAAGGACTTTTGTCAGGGAAGAAAGGCTCCGGGTTAATACCCTGGAGTTATGACGGTACCTGAAGAATAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCGAGCGTTAATCGGAATTACTGGGCGTAAAGCGAGCGCAGACGGTTACTTAAGCAGGATGTGAAATCCCCGGGCTTAACCTGGGAACTGCGTTCTGAACTGGGTGACTAGAGTATGCCAGAGGGGGGTAGAATTCCACGTGTAGCAGTGAAATGCGTAGAGATGTGGAGGAATACCGATGGCGAAGGCAGCCCCCTGGGATAATACTGACGTTCATGCTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU2184;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Lachnospiraceae(0.4563),g:Ruminococcus2(0.2171);
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>OTU2182;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Ruminococcaceae(0.4563),g:Clostridium_IV(0.1299);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGAAGGTCTTCGGATTGTAAACTTTTGTCCTCAGGGAAGATAATGACGGTACCTGAGGAGGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGATTTTCAAGTCAGTAGTGAAATGCAGGGGCTTAACCCCTGAGCTGCTATTGAAACTGAGAGTCTTGAGTGGGGTAGAGGCAGGCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTAACTGACGCTGAGGCACGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU2183;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Ruminococcaceae(0.1679),g:Intestinimonas(0.0134);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCTTCGGGTCGTAAACTTCTTTTACCAGGGACGAAGACGTGACGGTACCTGGAGAAAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGAGAGCAAGTCAGATGTGAAATCTATGGGCTTAACCCATAAATTGCTTTCAAAACTGCTGGCCTTGAGTAGTGCAGAGGTAGGTGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACCCCGATTGCGAAGGCAGCCTGCCAATCCGTTACTGACGTTCATGCTCGAAGGTGCGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU2185;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Ruminococcaceae(0.3884),g:Subdoligranulum(0.0326);
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ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGGACGCGACGGTACCTGGAGAAAAAGCAACGGCTAACTACGTGCCAGCAGCCGCGGTAGTACGTAGGTTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGATGCAAGTCTGGAGTGAAAGCCCAGGGCTCAACCCTGGGACTGCTTTGGAAACTGTATGGCTAGAGTGTTGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGACTTTCTGGACAATAACTGACGTTGAGGCACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

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ACGGGAGGCAGCAGCTAAGAATATTCCGCAACGGAGGAAACTCTGACGGAGCAACGCCGCGTGGACGATGAAGGCCGGACGGTTGTAAAGTCCTTTTATAATTGAGGAATAAGCTGGCCAGGGAATGGTTCCGCGGTGACTGTAGATTATGAATAAGCACCGGCTAATTACGTGCCAGCAGCCGCGTTAACACGTATGGTGCGAGCGTTATTCGGAATTATTGGGCGTAAAGGGCACGCAGGCGGCTTTGCAAGCTTGGTGTGAAATCTCAGGGCTCAACCATGAAACTGCATTGAGAACTGCATGGCTAGAGTTAGTGAGGGGAAAGCGGAATTCCAGTTGTAGGGGTGAAATGTGTAGATATCCGGACGAACACCAGTGGCGAAGGCAGGTTTCCAGAACATAACTGACGCTCAGGTGCGAAGGTGCGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU2187;tax=d:Bacteria(1.0000),p:Firmicutes(0.3448),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Peptococcaceae_2(0.0252),g:Desulfotomaculum(0.0076);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGGTTTCGGCTCGTAAACCTCTGTCCTATGGGACGAAGGAAGTGACGGTACCATAGGAGGAAGCCCCGGCCAACTACGCGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGTGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCTGCTAAGTCTGGAGTGAAAGTCCTGCTTTCAAGGCGGGAAGTGCTTTGGATACTGGCGTGCTGGAGTGCAGGAGAGGTAAGCGGAATTACCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAAGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTGACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

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ACGGAAGGCAGCAGTGGGGAATATTGCACAATGTGGGGAACCCTGATGCAGCGACGCCGCGTGGGCGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAGATGACGGTACCTGACTAAGAAGCACCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGATGTAAGTCTGGAGTGAAAGCCCGGGGCTTAACCCCGGGACTGCTTTGGAAACTGTGTAGCTAGAGTGTCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2190;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Negativicutes(0.6730),o:Selenomonadales(0.3959),f:Veillonellaceae(0.2184),g:Mitsuokella(0.0615);
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ococcaceae(0.0904),g:Ruminococcus(0.0110);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGCGCAAGCCTGATGCAGCGACGCCGCGTGTGGGAAGACGGC
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ococcaceae(0.1291),g:Papillibacter(0.0181);
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terales(0.0000),f:Desulfobulbaceae(0.0000),g:Desulfotalea(0.0000);
TGCGCCAACTGCTTACTCAAGCTCCCCCGGCTGGTCAGTATTTTACCCCTGCCCAACTCAAAGAACTGACTCGCACGGT
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ospiraceae(0.2184),g:Clostridium_XlVa(0.0615);
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acteriales"(0.8955),f:Enterobacteriaceae(0.8505),g:Escherichia/Shigella(0.3915);
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629),f:Bacteroidaceae(0.4914),g:Bacteroides(0.3043);
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diaceae_1(0.5632),g:Clostridium_sensu_stricto(0.3479);
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37),f:Erysipelotrichaceae(0.7787),g:Turicibacter(0.6681);
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000),f:Bacteroidaceae(0.0000),g:Bacteroides(0.0000);

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>OTU2200;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9348),c:Gammaproteobacteria(0.8048),o:"Enterob
acteriales"(0.3639),f:Enterobacteriaceae(0.1872),g:Escherichia/Shigella(0.0204);

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ospiraceae(0.3204),g:Hespellia(0.0808);

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ococcaceae(0.0904),g:Ruminococcus(0.0181);
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ococcaceae(0.0457),g:Anaerobacterium(0.0087);
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280),f:Bacteroidaceae(0.6350),g:Bacteroides(0.4787);
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diaceae_1(0.0457),g:Clostridium_sensu_stricto(0.0110);
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ospiraceae(0.5632),g:Roseburia(0.2607);
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359),f:"Porphyromonadaceae"(0.1098),g:Barnesiella(0.0181);
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652),f:"Prevotellaceae"(0.0904),g:Paraprevotella(0.0181);
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38),f:Erysipelotrichaceae(0.4224),g:Turicibacter(0.2171);
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395),f:"Porphyromonadaceae"(0.3204),g:Barnesiella(0.0423);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGCGGGAGGACGGC
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GCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGG
GTGCGCAGGCGGCGCTCCAAGTCAGCGGTCAAAGTTCCGGGCTCAACTCGGTGCCGCCGTTGAAACTGGAGTGCTTG

AGCAGGTGCGACGGGGGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACCCCGATTGCGAA
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>OTU2263;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Lachn
ospiraceae(0.4224),g:Ruminococcus2(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAAGCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTGTGGCAA
GTCTGATGTGAAAACCCGGGGCTCAACCCCGGAGCTGCATTGGAAACTGTGTGTCTGGAGTGCCGGAGAGGTAGGT
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACGCCAGTGGCGAAGGCGGCTTGCTGGACGGGA
ACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2264;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Eubac
teriaceae(0.2184),g:Eubacterium(0.0615);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
CCTTGGGTCGTAAACCTCTGTTCTAAAGGAAGATAATGACGGTACCTGAGGAGGGAGTCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTATTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAA
GTCAGAGGTAAAAGGCAACGGCTCAACCGTTGTAAGCCTTTGGAACTGGGAGACTTGAGTGCTGGAGAGGAGAGTG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCGGCTCTCTGGACTGTAAC
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>OTU2268;tax=d:Bacteria(0.0041),p:"Actinobacteria"(0.0000),c:Actinobacteria(0.0000),o:Actinomycetales(
0.0000),f:Glycomycetaceae(0.0000),g:Glycomyces(0.0000);
ATCTGACTTTTTGTTAACGTATTTAGCCACATAGAACCCAACAGCCATATACCTGGTAGCTTTAAGCGGCTCACCTTTA
GCATCCCCAGGCCCCAACCAACCAGAACGTGAAAAAGCGTCCTGCGTGTAGCAGAAAACGAACAAGCGCAAGAGTA
AACATAGTGCCATGCTCAGGAACAAAGAAACGCGGCACAGAATGTTTATAGGTCTGTTGAACACGACCAGAAAACTG
GCCTAACGACGTTTGGTCAGTTCCATCAACAGCATAGCCAGATGCCCAGAGATTAGAGAGCAGGACAAGTAAAGGAC
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>OTU2266;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Lachn
ospiraceae(0.2864),g:Blautia(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAATGATGAAGTA
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CAGCCGCGGTAATACGGAGGGGGCAAGCGTTATTCGGAATTACTGGGTGTAAAGGGCGCGTAGGCGGACTTGCAA
GTCAGATGTGAAAGGCAGGGGCTCAACCTCAGGAATGCCTTGGAGACTGTTAGTCTTGAGTGCAGGAGGGGTAAGC
GGAATTCCTAGTGTAGAGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTA
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>OTU2267;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachnospiraceae(0.3204),g:Clostridium_XlVa(0.0904);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTACTTCGGTATGTAAACCTCTATTAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCTGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGACGGCTTGGTAAGTCTGAAGTGAAAGCCCGGGGCTCAACCCCGGAACTGCTTTGGAAACTGTCAGGCTAGAGTGCGGAAGAGGTAAGAGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACAGTGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2265;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Ruminococcaceae(0.1485),g:Intestinimonas(0.0157);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGGTCTTCGGATTGTAAACCTTAGTCAACAGGGAAGAAGAAAGTGACGGTACCTGTGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGTGTAGGCGGGATTGCAAGTCAGATGTGAAAATTATGGGCTTAACCCATAACCTGCATTTGAAACTTCAGTTCTTGTGCGTCGGAGAGGTAAATGGAATTCCCGGTGTAGCGGTGAAATGCTTAGAGATCAGGAGGAACACCTGTGGCGAAGTCGATTTACTGGACGACAACTGACGCTGGGACACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2269;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachnospiraceae(0.4563),g:Coprococcus(0.2171);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACTCTGATGCAGCGACGTCGCGTGAGCGAAGAAGTATCTCGGTATGTAAAGCTCTATCAGTAGGGAAGAAAATGACGGTACCTGACTAAGGAGCACCGGTAAAATACGTGTCAGCAGCCGCGGTAATACGTATGGCGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGTAAGTCTGAGGTGAAAGCCCGGGGCTCAACCCCGGGACTGCTTTTGAAACTGTGCAGCTAGAGTATCGGAGAGGTAAGTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGAGCGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU2271;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Clostridiaceae_1(0.3204),g:Clostridium_sensu_stricto(0.0904);

ACGGGAGGCAGCGGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGTTTTCGGATCGTAAAGCTCTGTCTTTGGGGAAGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGCCGACAAGTCAGATGTGAAATCCACGGGCATAACCCGTGAACTGCATTTGAAACTGTTGGTCTTGAGTATCGGAGAGGTAACCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2272;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Rumin
ococcaceae(0.3204),g:Anaerotruncus(0.0326);
ACGGGAGGCAGCAGTGGGGGAGATGGGAAAATGGGAGAAAGAAGGATGGAGAGACGCCGCGTGAGGGAAGACG
GTTTTCGGATTGTAAACCTCTGTCTTCGGGGACGAAAATGACGGTACCCGAGGAGGAAGCCACGGCTAACTAAGAGC
CAGCAGCCGCGGTAATACGGAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGAGTAGGCGGGATTG
CAAGTCCGTTGTTAAATCTATCGGCTTAACCGGTAGCTGCGGCGGAAACTGCAGTTCTTGAGTGAAGTAGAGGCAGG
CGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTT
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>OTU2270;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Lachn
ospiraceae(0.6350),g:Clostridium_XlVb(0.3479);
ACGGGAGGCAGCAGTGGGGAATATTGCAAAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAAGGAAGGAGG
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GCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGAGTAGGCGGCAAT
GTAAGTAAGATGTGAAAGCCCGCAGCTTAACTGCGGGATTGCATTTTAAACTATGTAGCTAGAGTACAGGAGAGGAA
AGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTTCTGGACA
ATAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2273;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Bacilli(0.4812),o:Lactobacillales(0.2359),f:Lactoba
cillaceae(0.1098),g:Lactobacillus(0.0204);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
TTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCA
GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATTATTGGGCGT
AAAGAGTACGTAGGCGGTCTGGTAAGCGCAAGGTGAAAGGCATAGGCTCAACCAATGTCAGCCTTGCGAACTGTCA
GACTTGAGTGCAGGAGGGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTA
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TA
>OTU2274;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Rumin
ococcaceae(0.3884),g:Ruminococcus(0.1735);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGT
CTTCGGATTGTAAAGCTCTTTTATTAAGGACGAAGAAGTGACGGCACTTAACGAATAAGCTCCGGCTAACTACGTGCC
AGCAGCCGCGGCAATACCTAGGGCGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCAGAGCA
AGTCAGATGTGAAATCCGTGGGCGTAACGCACGAACTGCATTTGAAACTGTTTTGCTTGAGTACAGTAGAGGCAGGC
GGAATTCCTTGTGTAGCGGTGAAATGCGTAGAGATAAGGAAGAACACCAGTGGCGAAGGCGGCCTGCTGGACTTTA
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>OTU2275;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.6036),c:Epsilonproteobacteria(0.3483),o:Campylobacterales(0.1483),f:Helicobacteraceae(0.0560),g:Helicobacter(0.0134);
ACGGGAGGCAGCAGTAGGGAATATTGCTCAATGGGGGAAACCCTGAAGCAGCAAAGCAGCGTGGAGGATGACGGTTTTCGGATTGTAAACTCCTTTTCTAAGAGAAGATTATGACGGTATCTTAGGAATAAGCACCGGCTAACTCCGTGCCAGCCGCCGCGGTAATACGGAGGGTGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGCGTAGACGGGAAGGCAAGTTAGTTGTGAAATCCCTCGGCTTAACAGAGGAGCTGCAACTAAAACTATAGTGCTTGAGTGAGGTAGATGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCTTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTGCTAGACAGTAACTGACGTTAAGGCACGAAGGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2276;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Ruminococcaceae(0.2864),g:Anaerotruncus(0.0423);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCTTCGGTGACGAAAACGACGGTAGCCGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGAAGGCAAGTCGAATGTTTAAACTATGGGATCAACTCATAGTCGCGTTCGAAACTGCTTTTCTTGAGTGAAGTAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAAATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGGCTTTAACTGACGCTGAGGCTCGAAAGCGTAGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU2277;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Ruminococcaceae(0.3884),g:Clostridium_IV(0.0615);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGAGGAAACTCTGATGCAGCAACGCCGCGTGAGGGAAGAAGGTCTTCGGATTGTAAACCTTTGTCTTTGGTGACGAACACATGACGGTAGCCAAGGAGGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATCACTGGGTGTAAAGGGTGCGCAGGCGGGAACGCAAGTTGGATGTGAAATGTATGGGCTTAACCCATAACCTGCATCCAAAACTGCGATTCTTGAATGAAGTAGAGGTAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGGCTTTAACTGACGCTGAGGCACGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU2279;tax=d:Bacteria(0.0024),p:"Proteobacteria"(0.0000),c:Epsilonproteobacteria(0.0000),o:Campylobacterales(0.0000),f:Helicobacteraceae(0.0000),g:Helicobacter(0.0000);
TCAGAAGTTTACGATTGCTGAGGGTCAGTGGTATCGTTATGCGTCTTCGTATGTTTCTCCTGCTTATCACCTTCTTGAAGTCTTCCCATTCATTCAGGAACCGCCTTCTGGTGATTTGCAAGAACGCGTACTTATTCGCCACCATGATTATGACCAGTGTTTCCAGTCCGTTCAGTTGTTGCAGTGGAATAGTCAGGTTAAATTTAATGTGACCGTTTATCGCAATCTGCCGACCACTCGCGATTCAATCATGAATTCGTGAGAAAAGATGGAGTGTGAGGGTATAACGCCGAAGCGGTAAAAATTTTAATGTTGGTCGCTGAGGGGTTGACCAAGCGAAGCGCGGTAGGTGTGCTGCTTAG
>OTU2281;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Clostridiales_Incertae_Sedis_XII(0.1872),g:Acidaminobacter(0.0519);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCGGCAACGCCGCGTGAAGGAAGAAGGC
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GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTAGCGAAGGCGGCTTTCTGGACTGTA
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>OTU2278;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Eubac
teriaceae(0.1679),g:Eubacterium(0.0423);

ACGGGAGGCAGCAGTGGGGGATATTGGTCAATGGGGGAAACCCCGAACCAGCAACGCCGCGTGAGGGAAGAAGGT
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CCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGAGA
GCAAGTCAGACGTGAAAACTATGGGCTTGACCCATAACGTGCGTTTGAAACTGTTTTTCTTGAGTGAAGTAGAGGTA
GGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGGCT
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>OTU2280;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Bacilli(0.6346),o:Lactobacillales(0.3319),f:Lactoba
cillaceae(0.1679),g:Lactobacillus(0.0423);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCCGATGGAGCAACGCCGCGTGAGTGAAGAAGGG
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>OTU2283;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9348),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5
023),f:"Prevotellaceae"(0.1872),g:Prevotella(0.0519);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGT
GCGCAGGCGGCGGATCAAGTCAGCGGTCAAACTTCGGGGCTCAACCCCGTTTTGCCGTTGAAACTGATCGGCTGGAG
TCTGTTCGAGGGACGCGGAATGCGAGGTGTAGCGGTGAAATGCATAGAGATATGGAGGAACACCAGTGGCGAAGG
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>OTU2282;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Bacilli(0.8755),o:Lactobacillales(0.5766),f:Lactoba
cillaceae(0.3204),g:Lactobacillus(0.0904);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTA
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GTA

>OTU2287;tax=d:Bacteria(0.0076),p:"Bacteroidetes"(0.0000),c:"Bacteroidia"(0.0000),o:"Bacteroidales"(0.0
000),f:"Prevotellaceae"(0.0000),g:Prevotella(0.0000);

ATCTACCTGGTCTTTCGTATTCTGGCGTGAAGTCGCCGACTGATTGCCCGCCATCTCTTTTTGAGTCTCATTTTGCCTCT
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GAGGAAGCATCAGCACCAGCACGCTCCCAAGCATTAAGCTCAGGAAATGCAGCAGCAAGATAATCACGAGTATCCTT
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>OTU2284;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9802),c:Deltaproteobacteria(0.9604),o:Desulfovibr
ionales(0.8629),f:Desulfovibrionaceae(0.6709),g:Desulfovibrio(0.5239);

ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCCGACGCAGCGACGCCGCGTGAGGGATGAAGG
TCTTCGGATCGTAAACCTCTGTCAGAAGGGAAGAAACTAGGGTGTTCTAATCAGCATCCTACTGACGGTACCTTCAAA
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TGCTTGAGTGAAGTAGAGGCAGGCGGAATTCCCTGTGTAGCGGTGAAATGCGTAGATATTGGGAGGAACACCAGTG
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GTA

>OTU2285;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Clostri
diaceae_1(0.1485),g:Clostridium_sensu_stricto(0.0230);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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GCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGATGCAA
GTTGGGAGTGAAATCCATGGGCTCAACCCATGAACTGCTCTCAAAACTGTATCCCTTGAGTATCGGAGAGGCAAGCG
GAATTCCTAGTGTAGCGGTGGAATGCGTAGAGATCAGGAAGAACACCGATGGCGAAGGCAGCTTGCTGGGGACTTA
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>OTU2286;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.8087),c:Alphaproteobacteria(0.5195),o:Rhodospiril
lales(0.1719),f:Rhodospirillaceae(0.0560),g:Insolitispirillum(0.0110);

ACGGAAGGCAGCAGTGAGGAATATTGGGCAATGGAGGAAACTCCGACCCAGCCATGCCGCGTGAGTGAAGAAGGT
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CAGCCGCGGTAATACGAAGGGGGCAAGCGTTGTTCGGAATTACTGGGCGTAAAGGGAGTGTAGGCGGTTTAGTAAG
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>OTU2288;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9180),o:"Bacteroidales"(0.8
303),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0712);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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CAGCTGACGGTAGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU2289;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Lachn
ospiraceae(0.6709),g:Clostridium_XlVa(0.4787);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAACGACGCGGCGTGAGTGAAGAAGTA
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AGTCTGAAGTGAAAACCCAGGGCTCAACCCTGTGACTGCTTTGGAAACTGTTTTGCTAGAGTGTCGGAGAGGTAAGT
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ococcaceae(0.2184),g:Clostridium_III(0.0519);

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ococcaceae(0.0560),g:Gemmiger(0.0110);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGAGGAAGAAGG
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ococcaceae(0.1872),g:Clostridium_IV(0.0230);
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ococcaceae(0.1679),g:Ruminococcus(0.0326);
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ococcaceae(0.2524),g:Ruminococcus(0.0615);

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ococcaceae(0.0560),g:Cellulosibacter(0.0134);
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diaceae_1(0.5273),g:Clostridium_sensu_stricto(0.3479);
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>OTU2301;tax=d:Bacteria(0.0024),p:"Bacteroidetes"(0.0000),c:Sphingobacteriia(0.0000),o:"Sphingobacteri
ales"(0.0000),f:"Cyclobacteriaceae"(0.0000),g:Fontibacter(0.0000);

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ococcaceae(0.0710),g:Clostridium_IV(0.0134);

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ospiraceae(0.6709),g:Coprococcus(0.3915);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
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diaceae_1(0.1872),g:Clostridium_sensu_stricto(0.0423);

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streptococcaceae(0.7428),g:Clostridium_XI(0.6200);
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473),f:"Prevotellaceae"(0.0099),g:Prevotella(0.0046);
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781),f:"Marinilabiaceae"(0.0252),g:Anaerophaga(0.0076);
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039),f:"Prevotellaceae"(0.0560),g:Prevotella(0.0110);
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9),f:Leptospiraceae(0.1485),g:Leptospira(0.0326);
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ococcaceae(0.0252),g:Clostridium_III(0.0066);
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ospiraceae(0.6350),g:Clostridium_XlVa(0.2607);
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>OTU2317;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Rumin
ococcaceae(0.3204),g:Oscillibacter(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
TTTCGGGTTGTAAACTTCTTTTGTCAGGGACGAGTAGAAGACGGTACCTGACGAATAAGCCACGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGAGGGC
AAGTCAGATGTGAAATCCACGGCCTCAATTCGTGAACTGCATTTGAACCTCCTCTCCTTGAGTACCGGAGAGGCAACC
GGAATTCCTAGTGTGGGGGTGAAAGGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGTTTGCTGGACGAC
ACCTGACGGTGAGGCGCGAAACCGTGGGGAGCAAACGGGATTAGATACCTGGTA
>OTU2319;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9168),c:"Bacteroidia"(0.4812),o:"Bacteroidales"(0.2
359),f:"Porphyromonadaceae"(0.1098),g:Barnesiella(0.0181);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGATGACGGT
CCTACGGATTGTACACCTCTTTTGTCGGGGAGTAACGTGCGGGACGCGTCCCGTATTGAGAGTACCCGAAGAAAAAG
CATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGG
TGCGTAGGCGGGGTGGTAAGTCAGCCGTGAAATGTCCACGCTCAACGTGGAACGTGCGTTTGATACTGCCGTCCTTG
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>OTU2322;tax=d:Bacteria(0.0041),p:Firmicutes(0.0000),c:Bacilli(0.0000),o:Lactobacillales(0.0000),f:Lactoba
cillaceae(0.0000),g:Pediococcus(0.0000);
AGGTGAAACTAAAGGTTCTTACTTAAACGTTACTGCAGCTACTATGGAAGAAGTGTACAAACGTGCAGAATACGCGA
AAGCAATTGGTTCTGTCATCATTATGTTCGATTTAGTAATGGGCTATACAGCAATTCAAAGTATTGCTATTTGGTCTCG
TGAAAACGACATGGTTTTACACTTACACCGTGCTGGTAACTCGACTTATGCTCGTCAAAAGAATCACGGTATTAACTTC
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>OTU2320;tax=d:Bacteria(1.0000),p:Firmicutes(0.9994),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Lachnospiraceae(0.5632),g:Blautia(0.2607);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTATCTCGGTATGTAAACTTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCAGCGCAAGTCTGAAGTGAAAGCCCGGGGCTCAACCCCGGAATGGCTTTGGAAACTGCGCGGCTACAGTACGGGAGGGGTAAGCGGAATTCCTAGTGTAGCAGTGAAAGGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGTATTAGATACCCTGGTA

>OTU2318;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8628),c:"Bacteroidia"(0.2902),o:"Bacteroidales"(0.1249),f:"Marinilabiaceae"(0.0457),g:Anaerophaga(0.0110);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGCCCTATGGGTTGTAAACTTCTTTAGACCCAGAGTAACAAGGGCCTCGTGAGATCTGATGCGTGTATGCTTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGAAGTGCAAGTCAGCGGTGAAATCCCGGCGCTCAACGCGGGAGTTGCCGTTGAAACTGTACATCTGGAATGCTCTTGACGTGGGAGGAATGAGTAGTGTAGCGGTGAAATGCATAGATATTACTCAGAACACCGATTGCGAAGGCATCTCACGAAGAGGCGATTGACGCTGAAGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU2321;tax=d:Bacteria(0.8319),p:"Bacteroidetes"(0.1905),c:"Bacteroidia"(0.0425),o:"Bacteroidales"(0.0291),f:Prolixibacteraceae(0.0073),g:Prolixibacter(0.0039);

CCTTTCTTCCTCCTTTCTTCCTCTTTTTCCCTTTTCTTCCGCCTTCACCCTCCATGCCGCGTGCGGGAAGGAGGCCTTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACCAGGCGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTCGGCTGTGCGTCAAGTCGGGGGTGAAATTCCGGTGCTAAACACCGGGGCTGCCCTTGATACTGTCGCGCTGGAGTGCGGATGCCGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACTCAGAACACCGATTGCGAAGGCATCTGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA

>OTU2326;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9933),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4652),f:"Porphyromonadaceae"(0.1679),g:Parabacteroides(0.0204);

ACGGAGGCCGCCGTGAGGAATCTTGGTCAATGGGCGCGATCCTGAACCAGCCAAGTCGCGTGCGGGACGAAGGCCCTCCGGGTTGTAAACCTCTTTTATAAGGGAATAAAGGGCGCCACGTGTGGTGTTTTGCATGTACCTTATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGTGGCTTGTTAAGTCAGCAGTGAAAGTCAGTGGCTCAACCATTGAATTGCCGTTGAAACTGGCGAGCTTGAGTACGTACGGGGCAGGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACCCCGATCGCGAAGGCAGCCTGCCAGGCCGTGACTGACACTGATGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU2325;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Clostridiales_Incertae_Sedis_XIII(0.1291),g:Anaerovorax(0.0230);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGGAACTCTGATGCAGCAACGCCGCGTGAGTGAAGAAGGTCTTCGGATTGTAAACCTCTTTCCTTAGGGAAGAAATTAATGACGGTACCCAAGGAATAAGCCCCGGCTAACTACGTGCCTGCAGCCGCGGTAATACGTAGGAGGCGAGCGTTATCCGGAATTAGTGGGCGTAAAGGGTACGTAGGTGGCTGTGTAAGCGAGAGGTGAAGGGCTGGGGCTTAACCGTAGTAAGCCTTTTGAACTGGGAGGCTTGAGTGCAGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2323;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9762),o:Clostridiales(0.9497),f:Clostridiaceae_1(0.5632),g:Clostridium_sensu_stricto(0.3915);

AAGGGAGGCAGCAGTGGGGAATATTACACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATAAAGGTTTTCGGATCGTAGAGCTCTGTCTTTGGGGAAGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAACACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAAGTGGGATGTGAAATACCCGGGCGCAACTTGTGTGCTGCATTCCAAACTGGTTATCGAGGGAGCAAGAGAGGAGAGTGGTATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTAGCGAAGGCGACTCTCTCGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACGCTGGTA

>OTU2324;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8755),o:Clostridiales(0.6881),f:Clostridiaceae_1(0.3884),g:Clostridium_sensu_stricto(0.0712);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATTACTGGGCGTAAAGGGCGCGTAGGCGGCCTGTCAAGTCTTGTGTGAAAACCCTGGTTTCAAGCCAGGAGGTGCACGGGAAACTGGCGGGCTTGAGTGCAGGAGAGGGAAGTGGAATTCCAAGTGTAGCGGTGAAATGCGTAGAGATTTGGAGGAACACCAGTGGCGAAGGCGACTTTCTGGACTGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2327;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Lachnospiraceae(0.5991),g:Blautia(0.2607);

ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTGTCAGGGACGAGCAGAAGACGGTACCTGACGAATAAGCCACGGCTAACTACGTGCGAGCAGCCGCGGTAATACGAAGGGGACAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTGTGGCAAGTCTGATGTGAAAGGCATGGGCTCAACCTGTGGACTGCATTGGAAACTGTCATACTTGAGTGCCGGAGGGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAGGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2329;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Lachnospiraceae(0.1485),g:Clostridium_XlVa(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGCGAAAGCCTGATCCAGCGACGCCGCGTGAAGGAAGAAGGCCTTCGGTATGTAAACTTCTTTTAGTAGGGAAGAAAATGACGGTACCTGACCAAGAAGTCCCGGCTAAATACGTGCCAGCAGCCGCGGTAACACGCATGGAGCAAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGCAGGCGGCTTGGCAAGTGAGACGTGAAAACCCGGGGCTCAACCCTGGAACTGCATTTGAAACTGTCAGGCTGGAGTGCGAAAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACTGTAACTGACGCTGAGGCTCGAAGGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2328;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9474),c:Fusobacteriia(0.8331),o:"Fusobacteriales"(0.6138),f:"Fusobacteriaceae"(0.4224),g:Fusobacterium(0.0423);
ACGGAAGGCAGCAGTGGGGAATATTGGACAATGGACCAAACGTCTGATCCAGCAATTCTGTGTGCCCGATGAAGTTTTTCGGAATGTAAAGTGCTTTCAGCTGGGACGAAGTAAGTGACGGTACCAACAGAAGAAGCGACGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGTCGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGCGTCTAGGCGGTTTGGTAAGTCTGATGTGAAAATGCGGGGCTCAACCGTGGAACTGCATCGGAAACTGTCATTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACAGCAACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2330;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Ruminococcaceae(0.3544),g:Flavonifractor(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCAGGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTCTCAGGGACGAAGAAAGGGAAGGTGAATGAGGAATAAGAAACGGCGAAATACGTGCAAGCAGAAGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGACTGCAAGTCAGATGTGAAAACTCAGTGCTCAACCCTGTGCCTGCATTTGAAACTGTAGTTCTTGAGTACTGGAGAGGCAGACGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGATGACCACCAGTGGCGAAGTCGGTCTGCTGTACAGCAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2331;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Bacilli(0.8048),o:Lactobacillales(0.5023),f:Lactobacillaceae(0.3204),g:Lactobacillus(0.0904);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGCAGACGGCATGGCAAGCCAGATGTGAAAGGTGGGGGCTCAACCCCCAAGCTGCATTTGGAACTGTCAAGCTAGAGTATCGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGGCTGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU2333;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Peptostreptococcaceae(0.5991),g:Clostridium_XI(0.4351);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGTGAGGAAGGCCTGCGGGTCGTAAAACTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCTCACGCTAACTAAGTGCCAGCAGACGCGGTAATACGTAGGGGGCTAGGGTTATCTGGATTTACTGGGCGTAAAGGGTGCGTAGGTGGTCTTTTAAGTCAGGAGTGAAAGGCTACGGCTTAACCGTAGTTAGCTCTTGAAACTGGGAGACTTGAGTGCAGAAGAGGAAAGTGGAATTCCTTGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTAGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCCAACAGGATTAGATACCCTGGTA
>OTU2332;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9755),o:Clostridiales(0.9389),f:Clostridiaceae_1(0.6350),g:Clostridium_sensu_stricto(0.3915);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGTCTGTAAACTTCTTTCTTTAGGGACGATAATGACGGTACCTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGGGTAAAGGGAGCGTAGGCGGACTATTAAGTGAGATGTGAAATACCCGGGCTTAACTTGGGTGCTGCATTTGAAACTGTAAGGCTTGAGTGCAGGAGAGGAGAATGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCGCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
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ACGGAAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATGCCGCGTGAAGGACGAAGGCCCTATGGGCTGTAAACTTCTTTAGACGCGGAGCAATAAGGGCCACGCGTGGTCCGATGAGAGTATGCGTAGAATAAGCATAGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTGTAAAGGGTGCGTAGGCGGCTTTGCAAGTCTGCTGTGAAAGGCCGGGGCTCAACCCGGGAAGTGCCGTTGAGACTGTGAGGCTGGAGTGCGGATGCTGTGAGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCAGTCAGAACACCGATTGCGAAGGCAGCTCACAGGTCCGCTATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU2338;tax=d:Bacteria(0.0024),p:"Bacteroidetes"(0.0000),c:Flavobacteriia(0.0000),o:"Flavobacteriales"(0.0000),f:Flavobacteriaceae(0.0000),g:Chryseobacterium(0.0000);
TCCTTGCGCAGCTCGAGCAGCTCTTACTTTGCGACCTTTCGCCCTCACCTACCGATTCTGTCCAAAACTGACGCGTTGGCTGAGGAGAAGTAGCTTAATATGCTTGGCACGTTCGTCAAGGACTGGTTTAGATATGAGTCACATTTTGTTCATGGTAGAGATTCTCTTGTTGACATTTTAAAAGAGCGTGGATTACTATCTGAGTCCGATGCTGTTCAACCACTAATAGGTAAGAAATCATGAGTCAAGTTACTGAACAATCCGTACGTTTCCAGACCGCTTGGGCCTCTATGAAGCTCATTCAGGCTTCTGCCGGTTTGGATTTAACCGAAGATGAGTGCGATTTTCTGACGAGTAACAAAG
>OTU2334;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Eubacteriaceae(0.0710),g:Eubacterium(0.0157);

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>OTU2336;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Eubac
teriaceae(0.1291),g:Eubacterium(0.0230);
CCTTTCTTCCTCCTTTTTTCCTCTTTCCCCCTTTTCTCCCGCCTGCTGCCTCCACGCCGCGTGAGAGATGAAGGCCTTCGG
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483),f:"Porphyromonadaceae"(0.0560),g:Barnesiella(0.0110);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGACGCAACTCTGATCCAGCCATGCCGCGTGAAGGACTACGGCC
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ospiraceae(0.4914),g:Blautia(0.0904);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGGAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTA
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>OTU2339;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Lachn
ospiraceae(0.7787),g:Coprococcus(0.5720);

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>OTU2341;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Epsilonproteobacteria(0.9903),o:Campylob
acterales(0.9280),f:Campylobacteraceae(0.8505),g:Campylobacter(0.7643);
ACGGGAGGCAGCAGTAGGGAATATTGCTCAATGGGGGAAACCCTGAAGCAGCAACGCCGCGTGGAGGATGACACT
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>OTU2342;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.7
995),f:"Prevotellaceae"(0.3544),g:Prevotella(0.0712);
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>OTU2345;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9851),o:"Bacteroidales"(0.9
934),f:"Prevotellaceae"(0.9868),g:Prevotella(0.9743);
CCGTGATTCAGCCTTGATTCCTATTGTTCCATTGGCGCTAGCCTGCCCCCGCCAAGTAGCGTGCAGGATGACGGCCCT
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>OTU2344;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Rumin
ococcaceae(0.0710),g:Clostridium_III(0.0157);

ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGCGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGT
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TCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGACTGCTGGACTG
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>OTU2343;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Clostridiaceae_1(0.2184),g:Clostridium_sensu_stricto(0.0326);
ACGGGAGGCAGCAGTGGGGAATATGGCACAATGGGAGCAAGCCTGATGCAGCGACGCCGCGTGAGGGATGACGG
CCTTCGGGTTGTAAACCTCTCTCAGCAGGGAAGAAGCGAAAGTGACGGTACTTAATGAATAAGCTCCGGCGAACTAC
GTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGAC
TTTTAAGTGAGATGTGAAATACCCGGGCTGAACTTGGGTGCTACATTTCAAACTGGGAGTCTAGAGTGCAGGAGAGG
AGAATGGAATTCCTTGTGTCGCGCTGGAATGCGTAGCGCTTAGGATGCACACCAGTAGCGACGGCGATTCTCTGGAC
CGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCACACAGGATTAGATACCCTGGTA
>OTU2346;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Ruminococcaceae(0.1485),g:Ruminococcus(0.0326);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGT
CTTCGGATTGTAAAGTTCTTTTATTAAGGACGAAGAAGTGACGGTACTTAATGAATAAGCTCCGGCTAACTACGTGCC
AGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGTCTGTTA
AGTCGGATGTGAAATGTAAGGGCTCAACCCTTAACGTGCATCTGATACTGGCAGACTTGAGTGCGGAAGAGGCAAG
TGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCGGCTCTCTGGACTGTA
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>OTU2348;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Lachnospiraceae(0.4563),g:Clostridium_XlVa(0.2171);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
TTTCGGTATGTAAAGCTCTATCAGCAGGGACGAATAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTCACG
CAAGTCTGATGTGAAAACCCAGGGCCTAACCTTGGGCCTGCATTGGAAACTGTGAGACTAGAGTGCAGGAGAGGTA
AGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACT
GTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2347;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Bacilli(0.8048),o:Lactobacillales(0.5395),f:Lactobacillaceae(0.3544),g:Lactobacillus(0.0904);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
TTTCGGCTCGTAAAACTCTGTTGTTGAAGAAGAACGTACGTGAGAGTAACTGTTCACGCAGTGACGGTATTCAACCAG
AAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAA
AGGGCGTGTAGCCGGGCCGACAAGTCAGATGTGAAATCCGCGGGCTTAACCCGCGAACTGCATTTGAAACTGTTGGT
CTTGAGTATCGGAGAGGTCATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGC
GAAGGCGGCTTACTGGACGGTAACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2349;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9966),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.5
766),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0326);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCC
CTATGGGTTGTAAACTGCTTTTATGTGGGAATAAAGTCAGAGACGTGTTCCTGTTTGCATGTACCACAGGAATAAGGA
ACGGCTAATTCCGTGCCAGCAGCCGCGATAATACGGACGATCCAGGCGTTATCCGGATTTCTTGGGTTTAAAGGGAG
CGTAGGCCGGAGGGTAAGCTGGTTGTGAAATGCAGGTGCTCAACATCTGCACTGCAGCGCGAACTGTTCGCCTTGAG
TGCGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGGGAAGCC
AGCTTACTGGAGCGCCACTGACGCTGATGCTCGAAAGTGCGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU2352;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9994),c:"Bacteroidia"(0.9784),o:"Bacteroidales"(0.9
707),f:"Prevotellaceae"(0.9201),g:Prevotella(0.5239);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
CCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCTACGTGTGGCATATTGCAGGTACCCCATGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCCGGCGTGTAAGCGTGTTGTGAAATGTCGGGGCTCAACCGCTGAATTGCAGCGCGAACTGTGTGTCTTG
AGTGCGTAGGAGGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAG
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>OTU2351;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Clostri
diaceae_1(0.1679),g:Clostridium_sensu_stricto(0.0423);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
TTTCGGATCGTAAAGCTCTGTCTTTGGGGAAGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTATGGAGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGTAAGGCAA
GTCTGATGTGAAAATTTGGGGCTCAACCCCAAAACTGCATTGGAAACTGTTTAACTGGAGTGTCGGAGAGGTAACTG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGGTTACTGGACGATAC
CTGACGCTGAGACACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2350;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9887),o:Clostridiales(0.9938),f:Rumin
ococcaceae(0.9387),g:Subdoligranulum(0.1735);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGAGGAAGAAGG
TTTTCGGATTGTAAACTCCCGTCGGTAGGGACGATAATTACGGTACCTAACAAGATAGCACCGGCTAACTACGTGCCA
GCAGCCGCGGTAAAACGTAGGGTGCAAGGGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGACCGGCA
AGTTGGTAGTGAAATCTATGTGCTCAACCCATAAATTGCTTTCAATACTGGTTGCCTTGAGTAGTTCAGAGGTAGGTG
GAATTCCCGGTGTAACGGTGGAATGCGTAGATATCGGGAGGAGCACCAGTGGCGAAGGCGACCTACTGGGGACCA
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>OTU2354;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9776),o:Clostridiales(0.9685),f:Lachn
ospiraceae(0.7068),g:Blautia(0.4351);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCAGCGTGAAGGAAGAAGTA
TCTCGGTATGTAAACTTCTATCAGCAGGGAAGATAGTGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCAA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGACTGGCAA
GTCTGATGTGAAAGGCGGGGGCTCAACCCCTGGACTGCATTGGAAACTGTTGGTCTTGAGTGCCGGATAGGTAAGC
GTAATTCCTAGTGTAGCGGTTAAATGCGTATATATTAGGAGGAACACCGGTTGCGAAGGCGGCTTACTTGACGGTAA
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>OTU2353;tax=d:Bacteria(0.0024),p:"Proteobacteria"(0.0000),c:Betaproteobacteria(0.0000),o:Burkholderi
ales(0.0000),f:Burkholderiaceae(0.0000),g:Cupriavidus(0.0000);
TCACGCGTTTCGATCTGCACCAGCACGCACATTTGATCGTTGGCTTTTTGCAGGTAATCAGGAATACGATTCCAGCGC
GAGGCGCGGGCCAGCGCACTGCCCACACCGCGAATACCGGCGGGGGGATAACGGGTGGCGCGTACCGCTTCACGG
GCTTCGTCAGCGTTTTGTACCATCGGCACCAGCAAGGTTTGTGTGCCGACGTCCAGCAGTTGTTTGATTTGCACCGGA
TCGTTCCACGACGGACGTACTACCGGCTGGCTGGGGTAGGGCGCAATCGCCTGTAGCTGGGTGAGCACGGGTTGCA
CGTTAGTCGGCGCGTGCTCACCGTCGATC
>OTU2357;tax=d:Bacteria(0.0024),p:"Actinobacteria"(0.0000),c:Actinobacteria(0.0000),o:Actinomycetales(
0.0000),f:Microbacteriaceae(0.0000),g:Mycetocola(0.0000);
TTCGGGATTTTCTTGGTCTCAGGGTTCATCGTGCCACGAACAGCGGCATGGTCAATATACCCCGTCGTGTTAACAGTC
GGGAGAGGAGTGGCCTTAACACCATCCTTCATGAACTTAATCCACTGTTCACCATAAACGTGACGATGAGGGACATA
AAAAGTAAAAATGTCTACAGTAGAGTCAATAGCAAGGCCACGACGCAATGGAGAAAGACGGAGAGCGCCAACGGC
GTCCATCTCGAAGGAGTCGCCAGCGATAACCGGAGTAGTTGAAATGGTAATAAGACGAACAAGCTGACCAGCAAGG
AAGCCAAGATGGGAAAGGTCATGCGGCAGACGCTCGGCGCCAGGTTGAATAGTAGACATAAT
>OTU2356;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:"Bacteroidia"(0.4428),o:"Bacteroidales"(0.2
039),f:"Prevotellaceae"(0.0904),g:Prevotella(0.0076);
ACGGGAGGCAGCAGTGAGGAATATTGATCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGC
CCTATGGGTTGTAAACTGCTTTTATACGGGGATAAAGTGGGCCACGTGTGGCTTATTGCAGGTACCGTATGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTACTGGGTGTAAAGG

GAGCGTAGACGGAACGGCAAGTTTGAAGTGAAATACCTGGGCTTAACCCGGGAACTGCTTTGAAAACTGTCGATCTA
GAGTGTCGGAGAGGTAAGTGGAATTCCTGGTGTAGTAGCGAAATGCGTAGATATCAGGAAGAACACCGGAGGCGA
AGGCAGCTTTCCAGCGCGCTACTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU2355;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Bacilli(0.4045),o:Lactobacillales(0.1719),f:Lactoba
cillaceae(0.0710),g:Lactobacillus(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
CTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTGCTCATTTACGTTACCCGCAGAA
GAAGCACCGGCTAACTTCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTATTGGGCGTAA
AGCGAGCGCAGGCGGTTGATTAGATCTGAATTGAAAGCCTTCGGTCTAACCGAAGAAGTGCATCGGAAACCGGGCG
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>OTU2358;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:Flavobacteriia(0.9918),o:"Flavobacteriales"(
0.9935),f:Flavobacteriaceae(0.9666),g:Flavobacterium(0.5239);
GTGTCAGCAGCCGCGGTAATACGTAGGATCCAAGCGTTATCCGGAATCATTGGGTTTAAAGGGTCCGTAGGCGGCCT
TATAAGTCAGTGGTGAAATCTCACGGCTCAACCGTGAAATGGCCATTGATACTGTAGGGCTTGAATTATTAGGAAGT
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GATACTAGCTGTTGGGGGCAACTTCAGTGGCTAAGCGAAAGTGATAAGTATCCCACCTGGGGAGTACGTTCGCAAGA
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>OTU2359;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.9
606),f:"Prevotellaceae"(0.9201),g:Prevotella(0.5239);
AAGGGAGGGAGAAGGGAGGAATAGTGGTAAATGGAAGGGAGGAGGAAAAAGAGAAGGAGGGTGCAGGACGACG
GCCCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGGGCCACGTGTGGAATATTGCAGGTACCCTATGAATA
AGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTACCCGGATTTATTGGGTTTAAAG
GGAGCGTAGGCCGTCTTATAAGCGTGTTGTGAAATTTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGTGAGACT
TGAGTGCGCAGGAAGTAGGCGTAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACTAAGAACTCCGATTGCGAA
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>OTU2361;tax=d:Bacteria(1.0000),p:Firmicutes(0.9994),c:Bacilli(0.9897),o:Lactobacillales(0.9389),f:Lactoba
cillaceae(0.9015),g:Lactobacillus(0.8124);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
TTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAG
AAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGCAATACGAAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTA

AAGCGAGCGAAGGCGGAAAAAAAAGTGTAATGTGAAAGCCCTGGGCTTAAACGGGGAACTGCATCTGAAACTGTTT
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>OTU2360;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Bacilli(0.9784),o:Lactobacillales(0.9280),f:Lactoba
cillaceae(0.8505),g:Lactobacillus(0.5720);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGCGGGAAGAAGGG
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AACGTCACGGCTAACTACGTGCCGGCAGCCGCGGTAATACGTAGGTGGCAATCGTCGTCCGGATTTATTGGGCGTAA
AGCGAGTGCAGGCGGTTCAGTAAGTCTGATGTGAAAGCCTGCGGCTCAACAGGAGAATTGCATCAGAAACTGTTGA
ACTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGG
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A

>OTU2364;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9903),o:Lactobacillales(0.9937),f:Lactoba
cillaceae(0.9294),g:Lactobacillus(0.6200);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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GAAAGTCAAGGCTAACTACATGCCAGCAGCCGCGGTAAAACGTAGGTGGGATGCGTTGTCCGGATTGATTGGGCGT
AAAGCGAGCGCAGGCGGTTGCTTAGGTCGGATGTGAAAGCCTTCGGCTTAACCGAAGAACTGCCGTGGCAACCGGG
CGACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGT
GGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTG
GTA

>OTU2363;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9798),o:Lactobacillales(0.9389),f:Lactoba
cillaceae(0.7787),g:Lactobacillus(0.5720);

ACGGGAGGCAGCAGTCGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTA
AAGCGAGCGCAGGCGGTCTTTTAAGTCTGATGTGAAAGCCCCCGGCTTAACCGGGGAGGGTCATTGGAAACTGGGA
GACTTGAGTGCAGAAGAGGAAAGCGGAATTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTG
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TA

>OTU2362;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Rumin
ococcaceae(0.3204),g:Clostridium_III(0.0615);

ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGGGAAACCCTGACGCAGCAACGCCGCGTGAAGGAAGAAGGT
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AGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGTAAGTA
GGTCAGATGTGAAATACCGGAGCGCAACTCCGGGGCTGCAGTTGAAACTGCATATCTTGAGTATCGGAGAGGAAAG
CGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACGAC
AACTGACGCTGAGGCGCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU2365;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9791),o:"Enterob
acteriales"(0.8955),f:Enterobacteriaceae(0.8505),g:Escherichia/Shigella(0.4351);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
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AGAAGCACCGGCTAACTCCGTGCCAGCGGCCGCGGTACTACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGT
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GTA

>OTU2366;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9866),o:Lactobacillales(0.8846),f:Lactoba
cillaceae(0.7068),g:Lactobacillus(0.3479);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGTTT
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AGTCACGGCTAACTACTTGCCAGCAGCCGCCGTACTACGTAGGTGGCAATCGTTGTCCGGATTTATTGGGCGTAAAG
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>OTU2368;tax=d:Bacteria(0.0041),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Thermoanaerobacterales(0.0
000),f:Thermoanaerobacteraceae(0.0000),g:Ammonifex(0.0000);

TTCCCAAGAAGCTGTTCCGAATCCGCCTGAGCCGCAACTTCGGGATGAAAATGCTCCCACTGACAAATCTGTCCACGG
AGTGCTTCATCCAACTTCCCAAGCTGGGTTACGACGCGACGCCGTTCAACCAGATATTGAAGCAGAACGCAAAAAGA
GAGATGAGATTGAGGCTGGGAAAAGTTACTGTAGCCGACGTTTTGGCGGCGCAACCTGTGACGACAAATCTGCTCAA
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>OTU2371;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9867),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4
652),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0181);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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ACCGGCTAATTCCGTGCCAGCATCCGCGGTAATACGGAAGGTCCTGGCGTTATCCGGATTTATTGGGTTTAGAGGGA
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>OTU2369;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Rumin
ococcaceae(0.1872),g:Saccharofermentans(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
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547),f:"Prevotellaceae"(0.0149),g:Prevotella(0.0056);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGTCGCGTGAAGGAAGAAGGC
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CGGAATGCGCGGTGTAGCGGTGAAATGCTTAGATATGGCGAAGAACTCCGATTGAGAAGGCAGATGAAGAGTGCGT
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>OTU2367;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9923),o:Lactobacillales(0.9606),f:Lactoba
cillaceae(0.9201),g:Lactobacillus(0.9085);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
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9821),f:"Fusobacteriaceae"(0.7068),g:Fusobacterium(0.0904);

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2),f:Veillonellaceae(0.9015),g:Allisonella(0.5239);
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diales_Incertae_Sedis_XI(0.0710),g:Sporanaerobacter(0.0157);
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diaceae_1(0.5273),g:Clostridium_sensu_stricto(0.3043);
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6),f:Mycoplasmataceae(0.9920),g:Mycoplasma(0.9944);
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520),f:"Prevotellaceae"(0.3884),g:Prevotella(0.1735);
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359),f:Bacteroidaceae(0.0560),g:Bacteroides(0.0134);
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999),f:"Porphyromonadaceae"(0.0560),g:Parabacteroides(0.0134);
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ospiraceae(0.2864),g:Anaerostipes(0.0808);
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teriaceae(0.0355),g:Eubacterium(0.0087);
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249),f:"Prevotellaceae"(0.0457),g:Prevotella(0.0110);
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cillaceae(0.6709),g:Lactobacillus(0.1735);
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cillaceae(0.7068),g:Lactobacillus(0.3915);
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cillaceae(0.1485),g:Lactobacillus(0.0326);
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0.9775),f:Actinomycetaceae(0.9201),g:Actinomyces(0.9566);
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9),f:Spirochaetaceae(0.0904),g:Treponema(0.0134);
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ospiraceae(0.4224),g:Roseburia(0.1299);
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0.9798),f:Micrococcaceae(0.7787),g:Rothia(0.5720);
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995),f:"Porphyromonadaceae"(0.3884),g:Parabacteroides(0.1735);
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781),f:Bacteroidaceae(0.0149),g:Bacteroides(0.0066);
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diales_Incertae_Sedis_XIII(0.2864),g:Mogibacterium(0.0808);
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319),f:Bacteroidaceae(0.0904),g:Bacteroides(0.0181);
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cillaceae(0.9480),g:Lactobacillus(0.9566);
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389),f:"Porphyromonadaceae"(0.8864),g:Parabacteroides(0.7643);
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cillaceae(0.3204),g:Lactobacillus(0.0904);
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ACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAGGCGTTATCCGGATTTATTAGGTTTAAAGGGT
GCGCAGGCGGGACATTAAGTCGGCGGTGAAATCCCGTGGCCCAACTACGGGGCTGCCGTCGATACTGATGACCTTG
AGTTATGGTGAGGTAACCGGAATGTGGAGTGTAGCGGTGAAATGCATAGATATTCCACAGAACACCGATTGCGAAG
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>OTU2480;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Lachn
ospiraceae(0.1291),g:Blautia(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGT
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CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGTAGACGGCGTATC
AAGTCTGATGTGAAAGGCAGGGGCTCAACTCCTGGACTGCATTGGAAACTGGTATGCTCGAGTGCCGGAGGGGTAA

GCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTC
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>OTU2481;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:Sphingobacteriia(0.3483),o:"Sphingobacteri
ales"(0.1483),f:Sphingobacteriaceae(0.0560),g:Olivibacter(0.0134);
ACGGGAGGCAGCAGTAAGGGATATTGGTCAATGGGCGGGAGCCCGAACCAGCCATGCCGCGTGAGGGAATGAGGC
CCTACGGGTCGTAAACCTCTTTTGCCGGGGGATAACGGGCGCCACGTGTGGCGCCGTGAAGGTACCCGGAGAATAA
GCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGG
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>OTU2482;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Lachn
ospiraceae(0.0457),g:Ruminococcus2(0.0087);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCCGAACCAGCCAAGTCGCGTGAGGGAGGACGGT
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GAGCGTAGACGGCCAGGCAAGTCTGATGTGAAAACCCGGGGCTCAACCCCGGGACTGCATTGGAAACTGTCAGGCT
AGAGTGCCGGAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACATCGGTGGCG
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>OTU2483;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Bacilli(0.8189),o:Lactobacillales(0.5766),f:Lactoba
cillaceae(0.3544),g:Lactobacillus(0.1299);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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GTA
>OTU2484;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Bacilli(0.9719),o:Lactobacillales(0.8412),f:Strepto
coccaceae(0.5991),g:Lactococcus(0.4351);
ATTAGATACCCTGTAGTCCACGCCGTAAACGATGAGTGCTCGCTGTAGGGAGCTATAAGTTCTCTGTAGCGCAGCTAA
CGCATTAAGCACTCCGCCTGGGGAGTACGACCGCAAGGTTGAAACTCAAAGGAATTGACGGGGGCCCGCACAAGCG
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>OTU2487;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9882),o:Lactobacillales(0.9172),f:Lactobacillaceae(0.8146),g:Lactobacillus(0.6200);
ACGGGAGGCAGAAGTAGGGAATCTTAAACAATGGACGCAAGTCTGATGGAGCAACGTCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTTTTGTTGGAGAAGAAGGATAGAGGTAGCAACTGGCCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTCATACGTAGCTGGCAAGCGTCGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCCTCGGCTTAACCGAGGAACTGCGTCGGAAACTGTTTTTCTTGAGTGCAGAAGAGGAGAGTGGAATTCCAGGTGTAGCGGTGAAATGCGTAGATATATGTAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU2485;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9988),c:Actinobacteria(0.9762),o:Coriobacteriales(0.9497),f:Coriobacteriaceae(0.9294),g:Adlercreutzia(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGCGGGACGACGGCCTTCGGGTTGTAAACCGCTTTCAGCAGGGAAGATCGTGACGGTACCTGCAGAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGATTCATTGGGCGTAAAGCGCACGCAGGCGGCCCGCCAAGCGGAACCTCTAACCCCGGGGCTCAACCTCGGGCCGGGTTCCGGACTGGCGGGCTCGAGTGCGGTAGAGGCAGGCGGAATTCCCGGTGTAGCGGTGGAATGCGCAGATATCGGGAAGAACACCGATGGCGAAGGCAGCCTGCTGGGCCGTTCACTGACGCTGAGGCGCGAAAGCTGAGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU2486;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9988),c:Actinobacteria(0.9776),o:Actinomycetales(0.9063),f:Actinomycetaceae(0.7787),g:Actinomyces(0.6681);
ACAGAAGGCAGCAGTGGGGAATTTTGCACAATGGACGCAAGTCTGATGCAGCGACGCCGCGTGAGGGATGGAGGCCTTCGGGTTGTGAACCTCTTTCGCTCATGGTCAAGCCGCACGTGTGCGTGTGGTGAGGGTCGTGGGTAAAGAAGCGCCGGCTAACTACGTGCCAGCATCCGCGGTAATACGTAGGTCGCGAGCGTTGTCCGGAATTATTGGGCGTAAAGGGCTTGTAGGCGGTTGGTTGCGTCTGACGTGAAAGCCTCGGGGGTAAGGGGGGGCGTGCGGTGGGTACGGGCTGGCTGGAGTGCGGTAGGGGAGACTGGAATTCCTGGTGTAGCGGTGGAATGCGAAGAGATCAGGAGGAACACCGGTGGCGAAGGCGGGTCTCTGGGCCGTTACTGACGCTGAGGAGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU2489;tax=d:Bacteria(0.0024),p:"Proteobacteria"(0.0000),c:Gammaproteobacteria(0.0000),o:"Vibrionales"(0.0000),f:Vibrionaceae(0.0000),g:Vibrio(0.0000);
GTAGCGTTGACCCTCATTTTGGTCGTCGCGTACGCACTCGCCGCCAGTTAAATAGCTTGCACCATACGTGGCCTTCTGGTTACAGTATGCCCCTCGCAGTTCGCTACACGCAGGACGCTTTTTCACGTTCTGGTTGGTTGTGGCCTGTTGATGCTAAAGGTGAGCCGCTTAAAGCTACCAGTTATATGGCTGTTGGTTTCTATGTGGCTAAATACGTTAACAAAAAGTCAGATATGGACCTTGCTGCTAAAGGTATAGGAGCTAAAGAATGGAACAACTCACTAAAAACCAAGCTGTCGCTACTTCCCAAGAAGCTGTTAAGAATCAGAATGAGCCGCAACGTCGGGATGAAAAGGCTCACAATGACAAAGCT
>OTU2488;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Bacilli(0.6730),o:Lactobacillales(0.3959),f:Lactobacillaceae(0.2184),g:Lactobacillus(0.0615);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
TTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCA
GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGTTTA
AAGGGTGCGTAGGCGGTTTGATAAGTTAGAGGTGAAATACCGGTGCTTAACACCGGAACTGCCTCTAATACTGTTGA
GCTAGAGAGTAGTTGCGGTAGGCGGAATGTATGGTGTAGCGGTGAAATGCTTAGAGATCGGGAGGAACACCAGTG
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>OTU2491;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9762),o:Lactobacillales(0.9280),f:Lactoba
cillaceae(0.8505),g:Lactobacillus(0.4351);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
TTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCA
GTAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGAATTATTGGGCGTA
AAGCGAGCGCAGGCGGTTGCGTAGGTCTGATGTGAAAGCCTTCGGCTTAACCGAGGAAGTGCATCGGAAACCGCAC
GACTAGAGTGCAGAAGAGGACAGTGGAACTCCAAGTGTAGCAGTGAAATGCGTAGATATATGGAAGAACACCAATG
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TA

>OTU2492;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Clostri
diaceae_1(0.3884),g:Clostridium_sensu_stricto(0.1735);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAGGGT
TTTCGGATCGTAAAGCTCTGTCATCGGGGACGAAAATGACGGTACCCAAAGAGGAAGCCACGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGTGCGTAGGCGGATGTTTAA
GTGAGATGTGAAATCCCCGGGCTCAACCTGGGTACTGCATTTCAAACTGGATAGCTTGAGTGCAGGAGAGGCAGGC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGGTTCTCTGGACTGTA
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>OTU2493;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Lachn
ospiraceae(0.1291),g:Blautia(0.0204);

ACGGGAGGCAGCAGTGGGGAACATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
TTTCGGATTGTAAACCTCTGTCGCAGGGGACGAAGGAAGTGACGGTACCCTGTAAGAAAGCCCCGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGAGCGTAGACGGCGTA
TCAAGCCTGATGTGAAAGGCAGGGGCTCAACTCCTGGACTGCATTGGAAACTGGTATGCTCGAGTGCCGGAGGGGT
AAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGAC
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>OTU2490;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Ruminococcaceae(0.2524),g:Clostridium_III(0.0326);
ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGGGGAAACCCTGACGCAGCAACGCCGCGTGAAGGATGAAGGTCTTCGGATTGTAAACTTTTGTCTTATGGGACGAAAAAGGGCGGTACCATAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGACGGCAAGTCAGATGTGAAATACCGAGGCTTAACCTCGGAGCTGCATTTGAAACTACCGTTCTTGAGTGTCGGAGAGGAAAGCGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTGGGAGGAACACCAGTGGCGAAGGCGGCCTTCTGGACGATAACTGACGCTGAGGCGCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU2494;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Clostridia(0.9812),o:Clostridiales(0.9798),f:Clostridiaceae_1(0.9108),g:Clostridium_sensu_stricto(0.8124);
AAGGGAGGAAGAAGGGGGGAAGAGGGAAAAAGGGGGGAACCCGTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGTGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGTGGAGGAAGCCACGGCTAGCTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAAGTGAGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCATTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAATGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2495;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Bacilli(0.9038),o:Lactobacillales(0.7995),f:Lactobacillaceae(0.5991),g:Lactobacillus(0.2607);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAACTCTGTTGTTGAAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATTCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGAATTATTGGGCGTAAAGAGCGCGCAGGCGGCCTGATAAGTTTGGAGTGAAAGTCCTGCTTTCAAGGTGGGAATTGCTTTGGATACTGTTGGGCTGGAGTGCAGGAGAGGAAAGCGGAATTACCGGTGTAGCGGTGAAACGCGTAGAGATCGGTAGGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU2496;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Clostridiaceae_1(0.5273),g:Clostridium_sensu_stricto(0.3479);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGTCTTCGGATCGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGTCTGATAAGTTGGATGTGAAATACCCGGGCTTAACTTGGGGGGTGCATCCAATACTGTTGGACTAGAGTACAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCATAGATATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2500;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9711),o:"Bacteroidales"(0.8737),f:Bacteroidaceae(0.4563),g:Bacteroides(0.2607);
CCTTTCTCCATCAGTTCTGACTATTGGTCCCTGGCCGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGAAGACTGCCCTATGGGTTGTAAACTTCTTTTATCAGGGAATAAAGTGCACCACGTGTGGTGTTTTGTATGTACCTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGCGGGTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGCCTGCTTGAGTGCGGCAGAGGCAGGCGGAATGTGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTTGCTGGAGCGTAACTGACGCTGATGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU2497;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9835),c:Gammaproteobacteria(0.9604),o:Aeromonadales(0.6881),f:Succinivibrionaceae(0.3884),g:Ruminobacter(0.1735);
ACGGAAGGCAGCAGTAGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCCATGCCGCGTGTGTGAAGAAGGCCTTCGGGTTGTAAAGCACTTTCAGTCAGGAGGAAGGTAGCGATACTTGACGTTACTGACAGACGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGGTGCGAGCGTTAATCGGAATAACTGGGCGTAAAGGGCACGTAGGTGGTTATGTAAGTCAGATGTGAAATCCCTGGGCTTAACCTAGGAACTGCATTTGAAACTGTATAACTAGAGTACTGTAGAGGGAGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGATATCTGGAGGAATACCGGTGGCGAAGGCGGCCTCCTGGACAGAGACTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2499;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Lachnospiraceae(0.1098),g:Clostridium_XlVb(0.0204);
ACGGAAGGCAGCAGTGGAGAATCTTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGACGGCCCTTGGGTTGTAAACTTCTGTTCTAAGGGAAGATAGTGACGGTACCTTAGGAGCAAGTCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGAATTACTGGGCGTAAAGGGAGCGTAGGCGGTCTGATAAGTTGGATGTGAAATACCCGGGCGTAACTTGGGGGGTGCATCCAATACTGTTGGACTAGAGTACAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGACACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2498;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Ruminococcaceae(0.0355),g:Fastidiosipila(0.0087);
ACGGAAGGCAGCAGTTAGGAATATTGGGCAATGGAGGGAACTCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTTTTCGGATTGTAAACTTCTGATCTGTGGAAAAAAGAAAGTGATGGTACCACAGGAGCAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGAATAACTGGGCGTAAAGGGAGCGTAGGTGGTTAGGTAAGTGAAATGTGAAAGCCCGAGGCTCAACCTCGGAACTGCAATTCATACTGCCCAGCTAGAGTGTAGTAGGGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGAGGCGAAGGCGGCTTACTGGACTGCAACTGACACTGAGGCTCGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU2501;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9835),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3319),f:Bacteroidaceae(0.0560),g:Bacteroides(0.0134);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGTAAGGCTGAACCAGCCAAGTAGCGTGAAGGATGACCGCCCTATGGGTCGTAAACTTCTTTTATAAGGGAATAAAGTCGCCTACGTGTAGGCGTTTGTATGTACTTTATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCGGACTTTTAAGTCAGCTGTTAAATTCGGTGGCTCAACCATCGCATGCAGTTGAAACTGGTCAGCTTGAGTACAGACGAGGTAGGCGGAATGAGTTAAGTAGCGGTGAAATGCTTAGATATAACTTAGAACTCCGATAGCGAAGGCAGCTTACCAGACTGTGACTGACGCTGAAGCACGAGAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU2504;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:"Bacteroidia"(0.4428),o:"Bacteroidales"(0.2039),f:Bacteroidaceae(0.0560),g:Bacteroides(0.0134);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGACTGAACCAGCCAAGCAGCGTGCAGGATGGCGGTCCTATGGGTTGTAAACTTCTTTTATCAGGGAATAATAGGGCGTTCGCGTACCTGTATGCAGGTACCCGATGAATAAGGATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGGTAGTTAAGTTTGATGTGAAAGGTTGGGGCTCAACATGAATTTGCAGTGAAAACTGGGTGACTAGAATGTAGTAGAGGCAGGCGGAATTCATCGTGTAGCGGTGAAATGCATAGATATGACGAAGAACACCTATCGCGAAGGCAGCTTGCTGGGATGTAACTGACGCTGATGCACGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU2502;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.6899),c:Deltaproteobacteria(0.2902),o:Desulfuromonadales(0.0547),f:Desulfuromonadaceae(0.0149),g:Pelobacter(0.0066);

CCGGGAGGCAGCAGTGGTGCCTCTTTCTCAATGTATTCAACTCTGACGCAGCCATGCCGCGTGAGTGATGAAGGCCTTCGGGTTGTAAAGCTCTGTCTAATGGGAAAAATGATGTTATGTCGAATAGGCATGGCAAGTGATGGTACCCTTAAAGAAAACACCGGCTAACTCCGTGCCAGCAGCCGCGGCAATACGGGGGGTGTAAGCGTTGTTCGGAATTACTGGGCGTAAAGGGCGTGCAGGCGGCCACCGCAAGTTGAATGTGAAAGCCCCGGGCTTAACCTGGGAAGTGCGTTCAAGACTGCGGGGCTTGAATACGGGAGAGGATCGTGGAATTCCTGGTGTAGAGGTGAAATTCGTAGATATCAGGAGGAACACTCGTGGCGAAGGCGACGGTCTGGACCGATATTGACGCTGAGACGCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU2503;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Bacilli(0.2321),o:Bacillales(0.1015),f:Bacillaceae_2(0.0252),g:Vulcanibacillus(0.0076);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGATGAAGGTCTTCGGATTGTAAAGCTCTCTGATTAGGGACGAAGAAAGTGACGGTACCTAAAGAACAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAGTTATTGGGCGTAAAGAGTGAGCAGGCGGCTTATTAAGTTTGAAGTCAAATCGTTGGGCTCAACCCAATCTCGCTTCAAAAACTGGTAGGCTAGAGTATGTGAGAGGTAAGTAGAACTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAAGAATACCAGTGGCGAAGGCGGCTTACCAGCACAATACTGACGCTCAGTCACGAAAGTATAGGGAGCAAATAGGATTAGATACCCTGGTA

>OTU2505;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9441),c:"Bacteroidia"(0.5579),o:"Bacteroidales"(0.2999),f:Bacteroidaceae(0.1485),g:Bacteroides(0.0326);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTATGTATACTGTTCTGTATGTATTATATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATTCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTTAGATAAGTTTGAGGTTAAATGCTTCTGCTTAACTGTGGAATTGCCTTTGATACTAGCAGGCTTGAATACTGTTGCCGTGGGAGGAATGAGTAGTGTAGCGGTGAAATGCATAGATATTACTCAGAACACCGATTGCGAAGGCATCTCACGAAGCAGGCATTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2506;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9994),c:"Bacteroidia"(0.9798),o:"Bacteroidales"(0.9753),f:"Prevotellaceae"(0.7068),g:Prevotella(0.5720);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAGGGAATAAATGTGGGTACGCTTACCCGTTTGCATGTACTTACTGAATACGGACCGCCTACCTCCGTCCAAGAAGCCCCGGTATAACGGAGGATCCGGGCTTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGCGCTTAAGTCAGCTGTGAAAGTTTGGGGCTTAACCTTAAAATTGCAGTTGATACTGGGTGCCTTGAGTGCAGTATAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCTATTGCGAAGGCAGCTTGCTGGAGTGTAACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU2507;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Ruminococcaceae(0.0355),g:Oscillibacter(0.0076);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACCAGGCGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGAGGGCAAGTCTGATGTGAAATCCACGGGCTCAACTCGTGAACTGCATTTGAAACTACTCTTCTTGAGTATCGGAGAGGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTGGGAGGAACACCAGTGGCGAAGGCGACTTACTGGGCCGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU2509;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Ruminococcaceae(0.6350),g:Ruminococcus(0.3915);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGATGCCGCGTGGAGGAAGAAGGTTTTCGGATTGTAAACTCCTGTCTTCAAGTACGAAGAAGTGACGGTACTTTAGGAGGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGATTGCAAGTCAGATGTGAAAACTATGGGCTTAACCCATAGACTGAATTTGAAACTGTAGTTATTGAGTGAAGTAGAGGTAAGAGGAATTACTGGTGTAGCGGTGAAATGCGTAGATATCAGGAGGAACATCGGTGGCGAAGGAGGCTTACTGGGCTTTTACTGACGCTGAGGCTAGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2508;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Negativicutes(0.6730),o:Selenomonadales(0.3959),f:Veillonellaceae(0.2184),g:Schwartzia(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATCTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGCGGCAAGCGTTGTCCGGAATCATTGGGCGTAAAGGGAGCGCAGGTGGGGCGGTAAGTCTTTCTTAAAAGTGCGGGGCTCACCCCCGTGAGGGGAAAGAAACTATCGTTCTTGAGTGCAGGAGAGGAAAGCGGAATTTCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCCTTCTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU2510;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Bacilli(0.5579),o:Lactobacillales(0.2999),f:Streptococcaceae(0.1485),g:Streptococcus(0.0326);
ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGGGCAACCCTGACCGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTAAGAGAAGAACGTGTGTGAGAGTGGAAAGTTCACACAGTGACGGTATCTTACCAGAAAGGGACGGCTAACTACGTGCCAGCAGCCGCGGTGATACGTAGGTCCCGAGCGTTGTCCGGATTTATTGGGTTTAAAGGGAGCGCAGACGGGCTGTTAAGTCAGCTGTGAAATGCCGCGGCTCAACCGTGGACCTGCAGTTGATACTGGCAGTCTTGAGTACAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU2511;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.5174),c:Alphaproteobacteria(0.1159),o:Rhodospirillales(0.0547),f:Acetobacteraceae(0.0149),g:Acetobacter(0.0066);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGGGGAACCCTGATCCAGCGATGCCGCGGGAGTGAAGAAGGTCTTAGGATTGTAAAGCTCTTTTGACGGGGAAGATGATGACGGTACCCGTAGAATAAGCACCGGCTAACTCTGTGCAAGCAGCCGCGGTAATACAGAGGGTGCAAGCGTTGTTCGGAATTACTGGGCGTAAAGGGCGTGTAGGCGGTTATACAAGTCAGATGTTAAAGACCCGGGCTTAACCCGGGGGCTGCGTTTGAAACTGTATGACTAGAGAGCAGGAGGGGAGAATGGAATTTCCGGTGTAGAGGTAAAATTCGTAGATATCGGAAGGAACACCAGTGGCGAAGGCGATTCTCTGGACTGCGACCGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2513;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Lachnospiraceae(0.3884),g:Lachnospiracea_incertae_sedis(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAATCCTGATGCAGCAACGCCGCGTGAGTGAAGAAGTATTTCGTTATGTAAGGCTCTATCAGCAGGGAAGATAATGACGGTACCTGACTAAGAAGCTCCGGCTAAATCCGTGCCAGCAGCCGCGATAATACGTATGGAGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGCGTAGGTGGCAGAGCAAGTCAGAAGTGAAAGACCGGGGCTCAACCGCGGGGCTGCATTTGAAACTGCTTTGCTGGAGTACAGGAGAGGCAGGAGGAATTCCTAGTGTAGAGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCGGCTGGACTGATAATGAAGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2512;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9704),c:Gammaproteobacteria(0.9321),o:"Enterobacteriales"(0.6138),f:Enterobacteriaceae(0.4224),g:Escherichia/Shigella(0.0904);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTACTCATTGACGTTACCCGCAGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGCACGCAGGCGGTTTGTTAAGTCAGATGTGAAATCCATGGGCTCAACCCATGAACTGCATTTGAAACTGTGGATCTTGAGTGTCGGAGGGGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTACTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2514;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Ruminococcaceae(0.2184),g:Clostridium_IV(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTGTCAGGGACGAGTAGAAGACGGTACCTGACGAATAAGCCGCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTTCTAAGTCTGATGTGAAAGCCTTCGGCTTAACCGGAGAAGTGCATCGGAAACTGGATAACTTGAGTGCTGGAGAGGTAGACGGAATTCCTTGTGTAGCGGTGAAATGCGTAGATATAAGGAAGAACACCAGTGGCGAAGGCGGTCTACTGGACAGTAACTGACGCTGAGGCGCGAGAGCGTGGGGAGCAAACAGGATTAGATACCCTGATA
>OTU2516;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9507),c:"Bacteroidia"(0.8048),o:"Bacteroidales"(0.5395),f:"Prevotellaceae"(0.1679),g:Alloprevotella(0.0326);
ACGGGAGGCAGCAGTGAGGAATAGTGGGCAAGGGTCGCGAGACTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTCCGGGTTGTAAACTGCTTTTAGTTGGGAATAAAAGGGAGTACGTGTACGCCGAATTGTATGTACCATCAGAAAAAGGACCGGCTAATTCCGTGCCAGAAGCCGCGGTAATAAGGACGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGTGTTTAAGTCAGTTGTGAAAGTCTGCGGCTCAACCGTAGAATTGCAGTTTAAACTGTAAGCCTTGAGTGCACGCAGTGGTGCCGGAATTCATGGTGTAGCGGTGAAATGCTTAGATTTCATGCAGAACTCCGAAAGCGAAGGCCAGTGCCCTGAGTGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGCA
>OTU2517;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.9280),f:"Prevotellaceae"(0.7428),g:Prevotella(0.5239);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAAGGGAATAAAGTGGGTCACGTGTGACTTTTTGCATGTACCTTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGTTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGGAGATTAAGCGTGAGGTGAAATGTAGGGGCTCAACCTCTGAAATGCAGCGCGAACTGGTCATCTTGAGTAAGAACAACGTGGGAGGAATTCGTGGTGTAGCGGTGAAATGCATAGATATCACGAAGAACTCCGATTGCGAAGGCAGCACACGGGAGCGCAACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU2515;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Lachnospiraceae(0.0904),g:Clostridium_XlVa(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAATGCCGCGTGAGTGAAGAAGGTCTTCGGATTGTAAAGCTCTTTGATTAGGGACGAAAAAATGACTGTACCTAAAGAACAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATTATTGGGCGTAAAGGGAGCGTAGACGGCTGTGCAAGTCTGAAGTGAAAGCCCGCGGCTAAACTGCGGAATTGCTTTGGAAACTGTATAGCTTGAGTATCGGAGGGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTATTTGGCCCACAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2520;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9877),o:Lactobacillales(0.9063),f:Lactobacillaceae(0.8505),g:Lactobacillus(0.6681);
ACGGGAGGCAGCAGCAGGGAATCTTCCACAATGGACGAAAGCCTGATGGAGCAACGCCGCGTGAGCGAAGAAGGTCTTCGGCTCGTAAAGCTCTTTTAGTAGTGAAGAAAGATATAGGTAGTAACTGGCCTTTATTTGACGGTAATCACTTAGAAAGTCACGGCTAACTACGTGCCAGCCGCCCCGTTAATACGTAGGTGGCAAGCGTTGTCCGGGTTTATTGGGCGTAAAGGGAGTGCAGGCGGTTCAATAAGTCTGATGTGAAAGCCTGCGGCTCAACCGGGGAATTGCATCAGAAACTGTTGAACTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCGCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU2521;tax=d:Bacteria(0.9827),p:"Bacteroidetes"(0.6036),c:Sphingobacteriia(0.0525),o:"Sphingobacteriales"(0.0352),f:Sphingobacteriaceae(0.0086),g:Parapedobacter(0.0043);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGTCCTATGGATTGTAAACTGCGTTTTTGGGGAAATAATAAGACTTTTGCTAAGGTTGATGCAGGTACCCGAAGAATAAGGATCGGCTAGCTCCGTTCCAGCGGCCGCGGTAATTCGGAGGATTCAATCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTTAGATAAGTTTGAGGTTAAATGCTACTGCTCAACAGGAGTTTGCCTTGGAAACTGTCTGACTAGGATGTAGAAGACGCAGGCGGAATGAATCGTGTAGCGGTGACATGCATAGATATGATTCAGAACACCGATCGCGAAGGCAGCTTGCGAGGATACGACTGACGCTGAAGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU2518;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Eubacteriaceae(0.1291),g:Eubacterium(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCGATGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCATCAGGGACGAAAAAAGACGGTACCTGAGAAGGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGCGAGTAGGCGGGTCGGCAAGTTGGGAGTGAAATGTCGGGGCTTAACCCCGGAACTGCTTCCAAAACTGTTGATCTTGAGTGATGGAGAGGCAGGCGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCGGTGGCGAAGGCGGCCAACTGGGCTTTTACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2519;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Clostridiaceae_1(0.3884),g:Clostridium_sensu_stricto(0.0904);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGCCTTTTAAGTGAGATGTGAAATACCCGGGCGTAAATTGGGGACTGCATCGAAGACTGGTTGACTTAGAGTACAGGAGAGGGTGGCGGAATTCCAGGTGGAGGAGTGAAATCCGTAGATAGCTGGAGGAACATCAGTGGCGAAGGCGGCCACCTGGACCGGTATTGACGCTGAGGGGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2523;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.9280),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTATGTATACTGTTTTGTATGTATTATATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGGTAAGTCAGGTGTGAAAGTTTGGGGGTCAAACGGAAAATTGGAAGTGATGCTGTCAGGATTAAATAAAGGAAAGGTGGGGGGGAGTCGGTGTGTAGCGGTGAAATGCTTAAAAAACACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGACTGCAACTGACACTGAAGCTCGAAAGTGGGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU2522;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Ruminococcaceae(0.3204),g:Saccharofermentans(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTCTTCGGATTGTAAACTTCCTTTATCAGGGAAGAAGGAAGTGACGGTACCTGATGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGGATACAAGTCAGATGTGAAATCTATGGGCTTAACCCATAACCTGCGTTTGAAACTGTATCTCTTTAGTGTCGTGGAGGTAGACGGAATTCCTAGTGTAGCGGTGAAATGCTTAGATATTAGGAGGAACACCAATGGCGAAGGCCGTCTACTGGACGAAAACTGACGCTGAGGCGCGCAAGCGTGGTGAGCAAACAGGATTAGATACCCTGGTA
>OTU2524;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9988),c:Deltaproteobacteria(0.9740),o:Desulfovibrionales(0.9172),f:Desulfovibrionaceae(0.9015),g:Desulfovibrio(0.7162);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGTCTTCGGATTGTAAACCTCTGTCAGTAGGGAAGAAACTAGGGTGCTCTAATCATCCACCTACTGACGGTACCTTCACAGGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGTTAATACGGAGGGTGCAAGCGTTAATCGGAATCACTGGGCGTAAAGCGCACGTAGGCTGTTATGTAAGTCAGGGGTGAAAGCCCACGGCTCAACCGGGGAACGGCATTTGATACTGGACGACTCGAGTGCGGGAGAGGGTGGCGGAATTCCAGGTGTAGGAGTGAAATGCGTAGATATCTGGAGGAACATCAGTGGCGAAGGCGGCCCCCTGGACCGGTATTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2526;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Ruminococcaceae(0.2864),g:Saccharofermentans(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTCTTCGGATTGTAAACTTCTTTTATAAGGGACGAAGGAAGTGACGGTACCTTATGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGTGGTTTAGCAAGTTGGAAGTGAAATACCCAGGGCTTAACTCGGGTGCTGCTTTCAAAACTACTAGACTTGAGTGTGGGAGAGAATAGTGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGGTAACTGGACTGCAACTGACGCTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2525;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Clostridiaceae_1(0.2524),g:Clostridium_sensu_stricto(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGGGAAGAAGGCTTTCGGATTGTAAAGCTCTGTCTTCGGGGACGATAATGACGGTAGCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGAATTGTAAGTCAGGTGTGAAATCTTCGGGCTTAACCGGTGTACTGCATTTCAAACTGGAAGTCTTGAGTGCAGGAGAGGAAGAGGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGCTCCGCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2527;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Ruminococcaceae(0.1872),g:Intestinimonas(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCGGCGACGCCGCGTGAGGGAAGAAGGTCTTCGGATTGTAAACCTTAAACAACAGGGACGAAGAAAGTGACGGTACCTGTTAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGTGTAGGCGGAGAGGCAAGTCAGATGTGAAAATTACGGGCTCAACCCGTAACCTGCATTTGAAACTGTTTCCCTTGAGTGTCGGAGAGGTAAATGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTGGGAGGAGCACCGGTGGCGAAGGCGGTTTACTGGACGACAACTGACGCTGAGACACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2528;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4652),f:"Porphyromonadaceae"(0.1872),g:Parabacteroides(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTTCTATGGATTGTAAACTTCTTTTATGGGGGAATAAAGTGCGGTATGCGTCCCGTTTTGTATGTACCTCATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTCAGTGGGTTTAAACGGTGCGTAGGTGGCCTTTTAAGTGAGCGGTGAAAGTTTGTGGCTGAACCATAAAAGTGCCGTTGAAACTGGAGGGCTTGAGTATGTTAGGGGCAGGGGGAATCTGTGGTGTAGCGGTGAAATGCATAGATATCACGAAGAACTCCGATGGGGAAGGCAGCTGGCCAAGCCATAACTGACACTGAAGCACGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU2531;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9638),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.6138),f:"Prevotellaceae"(0.3544),g:Alloprevotella(0.0519);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGCGAGACTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTCCGGGTTGTAAACTGCTTTTAGTTGGGAATAAAAGGGCGTACGTGTACGCCGAATTGTATGTACCATCAGAAAAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCTGTGCGTCAGGTCAGGGGTGAAATTCCGGGGCTCAACTCCGGGGCTGCCCTTGATACTGTCGCGCTGGAGTGCGGATGCCGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCATGAAGAACTCCGAAAGCGAAGGCAAGTGCCCGGAGTGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCAAGCAGGATTAGATACCCTGGTA

>OTU2532;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.9280),f:"Prevotellaceae"(0.8505),g:Prevotella(0.4351);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGCACCAGCCACGTAGCGTGCAGGACGACGGCCCTATGGGTGGTAAACTGCTTTTATAGGGGGATAAAGTGTGCTACGTGTGGCATATTGCAGGTACCGTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTTATAAGCCTGATGTGAAATGTCGCGGCTCAACCTGGGCAGTGCATCGCGAACTGGGAGACTTGAGTGCGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGTCGAAGAACTCCGATTGCGAAGGCGGCCTTCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU2529;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Ruminococcaceae(0.2524),g:Clostridium_IV(0.0712);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCAATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGATAGCAAGTCAGCGGTGAAATGCATGGGCTTAACCCATAAACTGCGCTTGAAACTGTCTTGCTTGAGTGAAGTAGAGGTAGGCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGGCTTTAACTGACGCTGAAGCACGAGAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU2530;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Lachnospiraceae(0.2184),g:Parasporobacterium(0.0519);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGGACGTGACGGTACCTGGAGAAAAAGCAACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGTAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGCGTAGGTGGCAAGGCAAGTCAGATGTGAAAGCCCGGGGCTCAACTTGGGTGCTGCATTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAATGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2533;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Epsilonproteobacteria(0.9913),o:Campylobacterales(0.9730),f:Helicobacteraceae(0.9201),g:Helicobacter(0.7162);
ACGGGAGGCAGCAGTAGGGAATATTGCTCAATGGGGGAAACCCTGAAGCAGCAACGCCGCGTGGAGGATGAAGGTTTTCGGATTGTAAACTCCTTTTCTACGAGAAGATTATGACGGTATCTTAGGAATAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTACTCGGAATCACTGGGCGTAAAGAGAGCGTAGGCGGGATAGCAAGTCAGATGTGAAATCCTATGGCTTAACCATAGAACTGCATGTGAAACTGATATTCTAGAGTATGGGAGAGGTAGGTGGAATCGTTGGTGTAGGGGTAAAATCAGTAGAGATCAAGAGGAATACTCATTGAGAAGGCGACGTGCTGGAACATAACTGACGCTGATGCGCGAAAGCGTGGGGAGCAAAGAGGATTAGATAACCTGGTA
>OTU2534;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.1905),c:"Bacteroidia"(0.0726),o:"Bacteroidales"(0.0473),f:"Porphyromonadaceae"(0.0113),g:Butyricimonas(0.0056);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAATGGTCTATGGCCTGTAAACCTCATTTGTCAAGGTAGAATAAGGATGACGAGTCATTCGATGCCAGTACTTGACGAATAAGCATCGGCTAACTCCGTGCCAGCACCCGTGGTAATCCGTAGGTGGCAAGCGCTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTGATACGCCTGATGTGAGAGCCTTTGGCTTGACCAAAGAAGTGCATCGGAAACCGGGGAACTTGAGTGCAGAAGAGGGCAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATCTATGGGAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTAACGCTGAGGCGCGAAAGCGTGGGGGGCAAACAGGATTAGATGCCCTGGTA
>OTU2535;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Ruminococcaceae(0.0457),g:Clostridium_IV(0.0110);
ACAGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGCTTTCGGGTTGTAAACCTCTATCCTTAGTGACGAAGGAAGTGACGGTAGCCAAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGTACCTTAAGTTGGATGTGAAATACCCGGGCTTAACTTGGGGGGTGCATCCAATACTGGGGAACTGGAGTGCCGGAGGGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGATAACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2537;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Erysipelotrichia(0.8614),o:Erysipelotrichales(0.6881),f:Erysipelotrichaceae(0.4914),g:Erysipelotrichaceae_incertae_sedis(0.0808);
ACGGGAGGCAGCAGTAGGGAATTTTCGTCAATGGGGGCAACCCTGAACGAGCAATGCCGCGTGAGTGAGGAAGGTCTTCGGATCGTAAAGCTCTGTTGCAGGAGAAAAACGGCAGATATAGGAAATGATATCTGAGTGATGGTAACCTGCCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGAATGATTGGGCGTAAAGGGTGCGTAGGTGGCCTTATAAGTCTGGAGTGAAAGGCGGCAGCTCAACTGCCGTATGCTCTGGAAACTGTGAGGCTGGAGTGCAGGAGAGGGCGATGGAACTCCATGTGTAGCGGTAAAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGTCGCCTGGCCTGTAACTGACACTGAAGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2536;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Ruminococcaceae(0.3204),g:Butyricicoccus(0.0904);
AAGGAAGGAAGAAGGGGGGAAGAAGGAGAAAGGGGGGCAACCCTGACGCAGCAACGCCGCGTGATTGAAGAAG
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>OTU2540;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9892),o:Lactobacillales(0.9280),f:Lactobacillaceae(0.9015),g:Lactobacillus(0.7162);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTT
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ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGC
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>OTU2541;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Clostridia(0.9784),o:Clostridiales(0.9707),f:Lachnospiraceae(0.8505),g:Blautia(0.5720);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGCAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTATCTCGGTATGTAAACTTCTATCAGCAGGGAAGATAGTGACGGTACCTGCCTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTACCCGGAATGACTGGGTGTAAAGGGCGCGTAGACGGTGTGGCAAGTCAGATGTGAAAGGCATGGGCTCAACCTGTGGACTGCATTGGAAACGTGCATACTTGAGTGCCGGAGGGGGAAGCGGAATTCCTAGTGTAGCGGTGAAATTCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2543;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Bacilli(0.9769),o:Lactobacillales(0.9280),f:Lactobacillaceae(0.8505),g:Lactobacillus(0.6681);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGGTTTCGGCTTGTAAAGCTCTGTTGGTAGTGAAGAAAGATAGAGGTAGTAACTGGCCTTTCTCTGCCGGTAATTACTTAGAAAGTCACGGCTTACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGTGCAGGCGGTTCACTAAGTCTGATGTGAAAGCCCTCGGCTCAACCGGAGAAGTGCATCAGAAACTGTTGAACTTGAGTGCAGGAGAGGTAAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATAAGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGACGGCAACTGGCGCTGAGGCTCGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU2542;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Bacilli(0.9769),o:Lactobacillales(0.9172),f:Lactobacillaceae(0.8146),g:Lactobacillus(0.5720);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGCAGCAACGCCGCGTGAGTGAAGAAGGGTTTCGGCTTGTAAAGCTCTGTTGGTAGTGAAGAAAGATAGAGGAAGTAACTGGCCTTTACTTGACGATAATTACTTAGAAAGTCCCGGCTAACTACGTGCCAGCAGCCGCTGCAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGGGAGTGCAGGCGGTTCAATAAGTCTGATGTGAAAGCCTACGGCTCAACCGGAGAATTGCATCAGAAACTGTTGAGCTTGAGTGCAGAAGAGGTGAGTGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU2544;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Bacilli(0.6346),o:Lactobacillales(0.3639),f:Lactobacillaceae(0.1872),g:Lactobacillus(0.0519);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGATTGCAAGTCAGATGTGAAAACCACGGGCTCAACCTGTGGCCTGCATTTGAAACTGTAGTT

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ospiraceae(0.5632),g:Lachnospiracea_incertae_sedis(0.2607);
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ococcaceae(0.1485),g:Saccharofermentans(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGAAGAAGGT
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diaceae_1(0.1872),g:Clostridium_sensu_stricto(0.0519);
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015),f:"Marinilabiaceae"(0.0355),g:Anaerophaga(0.0087);
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766),f:Bacteroidaceae(0.1485),g:Bacteroides(0.0326);
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ales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Sphingobacterium(0.0056);
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ococcaceae(0.4224),g:Intestinimonas(0.0423);
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diaceae_2(0.0710),g:Alkaliphilus(0.0157);
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ococcaceae(0.0113),g:Intestinimonas(0.0056);
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diaceae_1(0.5991),g:Clostridium_sensu_stricto(0.2607);
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ospiraceae(0.7068),g:Dorea(0.4787);
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0.9889),f:Actinomycetaceae(0.9666),g:Mobiluncus(0.9743);
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938),f:Bacteroidaceae(0.9881),g:Bacteroides(0.9910);
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0.0352),f:Actinomycetaceae(0.0086),g:Actinomyces(0.0043);
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0.8629),f:Actinomycetaceae(0.6709),g:Actinomyces(0.5239);
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diales_Incertae_Sedis_XI(0.0000),g:Peptoniphilus(0.0000);
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teriaceae(0.5273),g:Eubacterium(0.3479);
ACTTTCTTCCTCCTTCTTTCCTCTTCTTCCCTTTTCGCCCTCCTGACCGAGCAACGCCGCGTGAATGATGAAGGCCTTCG
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>OTU2590;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9462),o:Clostridiales(0.8412),f:Ruminococcaceae(0.4563),g:Intestinimonas(0.0712);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAAGGATGAAGGTTTTCGGATTGTAAACTTCTTTTGTACGGGACGAAACAAATGACGGTACCGTAAGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGAGTAGGCGGGATTGCAGGCCAGATGTGAAAACTATGGGCTCAACCCATAGACTGCATTTGAAACTGTAGTTCTTGAGTGATGGAGAGGCAGGCGGAATTCCCGGTGTAGCGGTGGAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACATTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2592;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3639),f:Lachnospiraceae(0.0710),g:Hespellia(0.0157);

ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGCAAGCCTGACGCAGCAACGCCGCGTGAAGGATGAAGGCTTTCGGATTGTAAACTTCTATCCTCGGTGAAAATAATGACGGTAGCCAAGAAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGTCGGTAAGTCAGATGTGAAATCCACGGGCTTAACTCGTGAACTGCATTTGAAACTGTTGGTCTTGAGTATAGGAGAGGTAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGACATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2591;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Clostridiaceae_1(0.1485),g:Clostridium_sensu_stricto(0.0326);

ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGAGTGTAAAGGGAGCGCAGGCGGACCGGCAAGTTGGAAGTGAAATCTATGGGCTCAACCCATAAATTGCTTTCAAAACTGCTGGCCTTGAGTAGTGCAGAGGTAGGTGGAATTCCCGGTGTAGCGGTGGAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

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ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGCGTGAGGGAAGACTGCCCTACGGGTTGTAAACCTCTTTTGTTTGGGAATAAAGTGCGGGACGTGTCCTGCATTGCATGTACCATTTGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCCGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGGAGTGTAAGCGTGATGTGAAAACTAGGTGCTCAACATCTGCACTGCAGCGCGAACTGGTTTCCTTGAGTACTCACAAGGTGAGCGGAATTCGTGGTGTAGCGGTGAAATGCGTAGATATCACGAAGAACACCAGTTGCGAAGGCAGTTCACTGGAGCGCAACTGACGCTGAAGCCCGAAAGTGCGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU2593;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Gracilibacteraceae(0.1485),g:Gracilibacter(0.0230);

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>OTU2595;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Ruminococcaceae(0.1679),g:Clostridium_III(0.0204);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTCTTCGGGTTGTAAACTTCTTTGACCGGGGACGAAGGAAGTGACGGAACCTGGAGACAAAGCAACGGCTAATTACGTGCCAGCACCCGCGGTAATACGTAGGTTGCAAGCGTAGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGGGGCAAGTCAGAAGTGAAATCCCGGGGCTTAACCCCGGAACTGCATTTGAAACTGTTCAGCTTGAGTACCGGAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGGCAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2596;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.7995),f:"Prevotellaceae"(0.3884),g:Prevotella(0.1735);

ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGGCGAGAGCCTGAACCAGCAAAGTAGCGTGCATGACGACGGCCCTCTGGTTTTTAAACTGCTTTTATAAGGAAATAAATTGGGTCACGTGTGACTTTTGCATGTACCTTCTAAATAAGAACCGCCTAATTCCTTCCCAGCAGCCGCGGTAATACGGAAATTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGGAGATTATGCGTGTTGTGAAATGTAGTGGCTCAACCTCTGCACTGAAGCGCGAACTGGTCTTCTTGAGTACGCACAACGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACGGGAGCGCAACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

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ococcaceae(0.0252),g:Clostridium_IV(0.0046);
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diaceae_4(0.0355),g:Thermotalea(0.0087);
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AGTTGGCTGTGAAATCCCTCGGCTTAACTGAGGAACTGCAACCAAAACTGTATGTCTTGAGTGCAGGAGAGGTAGGT
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diaceae_1(0.5632),g:Clostridium_sensu_stricto(0.2607);
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0.8303),f:Coriobacteriaceae(0.6350),g:Olsenella(0.2171);
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172),f:Bacteroidaceae(0.5991),g:Bacteroides(0.4351);
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999),f:Bacteroidaceae(0.1485),g:Bacteroides(0.0326);
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diaceae_1(0.5632),g:Clostridium_sensu_stricto(0.3479);
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ospiraceae(0.7428),g:Anaerostipes(0.5239);
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395),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0326);
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ACGGAAGGCAGCAGTGAGGAATATTGGGCAATGGGCGAAAGCTTGACCCAGCCACGCCGCGTGAAGGAAGACGGT
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0.2679),f:Bifidobacteriaceae(0.1291),g:Bifidobacterium(0.0230);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
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TCGTAGGCGGTTCGTCGCGTCCGGTGTGAAAGTCCATCGCTTAACGGCGGATCCGCGTCGGGTACGGGCGGGCTGG
AGTGCGGTAGGGGAGACTGGAATTCCCGGTGTAACGGTGGAATGCGCAGATATCAGGAGGAACACCGGTGGCGAG
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cillaceae(0.9868),g:Lactobacillus(0.9686);
CCTTTCTTCCTCCTTCTTTCCTCTTCCCCCCTGTTCTCCAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCG
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TCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCG
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>OTU2615;tax=d:Bacteria(1.0000),p:Firmicutes(0.9994),c:Bacilli(0.9897),o:Lactobacillales(0.9497),f:Lactoba
cillaceae(0.9108),g:Lactobacillus(0.7643);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGGAAGTCTGATGGAGCAACGCCGCGTGAGGGAATAAGGG
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GAAAGTCACGGCTAACTACATTCCAGCAGCCGCGGTAATAGGTGGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTA
AAGCGAGTGCAGGCGGTTAAATAAGTCTGATGTGAAAGCCTTCGGCTCAACCGGAGAATTGCATCAGAAACTGTTGA
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>OTU2617;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Eubac
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ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTA
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>OTU2620;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Rumin
ococcaceae(0.0113),g:Clostridium_III(0.0056);
ACGGAAGGCAGCAGTCGGGAATATTGCGCAATGGAGGAAACTCTGACGCAGTGACGCCGCGTGCAGGAAGAAGGT
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us_Carsonella(0.0000);
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>OTU2618;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Rumin
ococcaceae(0.7787),g:Gemmiger(0.0808);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGAGGAAGAAGG
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GCAGCCGCGGTAAAACGTAGGATGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGACCGGTA
AGTTGGACGTGAAATCTATGGGCTCAACGCATAAAGTGCCTTCAAAACTGGTGGGCTTGAATGGCTCAGAGGTAGGT
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>OTU2621;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachnospiraceae(0.2864),g:Clostridium_XlVa(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATCTCGGTATGTAAAGCTCTATCTGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACAGGCAAGTCCGATGTGAAAACCCTGGGCTCAACCCCGGGAGTGCATTGGAAACTGTTTGTCTGGAGTGCCGGAGAGGTGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTGGGAGGAACACCAGTGGCGAAGGCGGTTTACTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2623;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Lachnospiraceae(0.3204),g:Blautia(0.0904);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGACTGAAGAAGTATTTCGGTATGTAAAGGTCTATCAGCAAGGAAGAAAATGACGGTACTTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGTGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGTATCAAGTCTGATGTGAAAGGCAGGGGCTCAACCCCTTGACTGCATTGGGAACTGGTATGCTTGAGTGCCTGTGAGGTAAGCGGAATTCCTAGTGTAGGGGTGAAATGCGTAGATATTAGGAGGAACCCCAGTTGCGAAGGCGGCTTACCGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGGTACCCTGGTA
>OTU2622;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Lachnospiraceae(0.3204),g:Clostridium_XlVa(0.0904);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAAACCTGATGCCGCGACGCCGCGTGAAGGATAGACATTTTCTGTATGTAAACTTCTTTCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCATGGTAAGTCTGAAGTGAAAGCCCGGGGCTCAACCCCGGGACTGCTTTGGAAACTGTCAGGCTAGAGTGCTGGAGAGGTAAGTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTGGGAGGAACACCAGTGGCGAAGGCGGCTTACCGGACGATGAATGACGTTGAGGCCCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2624;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9572),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5023),f:"Prevotellaceae"(0.1872),g:Alloprevotella(0.0326);
ACGGAAGGTAGCAGTGAGGAATATTGGTCAATGGCCGCAAGGCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGCCCTCGGGTTGTAAACTGCTTTTAGTCGGGAATAAAAGGGCGCACGTGTGCGTCGTTTTGCAAGTACCGTCCGAAAAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGTCTGGTAAGTCAGCCAGGAAAACGCGAGGACCCACTCCGGGCCTGCGGGTGATACTGGCGGTCTTGAGTGCACGCAGGGAGGGCGGAATTCCTGGTGTAGCGGTGAAATGCTTAGATATCATGAAGAACTCCGATCGCGAAGGCAGGCGTCCGGAGTGCTACTGACGCTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU2625;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Bacilli(0.4045),o:Lactobacillales(0.1719),f:Lactobacillaceae(0.0710),g:Lactobacillus(0.0157);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGCGTGAAGACGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGCAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCACCAGCCGCGGTCATACGTAGGTGGCAATCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTTTTAAGTGAGAGGTGAAATGCTCGGGCTTAACCTGAGTGATGCATTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAATAGGGAATGCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCGGTGGCGAAGGCGGTACTCTGGACTGTGACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACGGGATTAGATACCCTGGTA
>OTU2627;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Ruminococcaceae(0.7428),g:Gemmiger(0.0904);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGGTGAAGAAGGTTTTCGGATTGTAAAGTCCTGTCTTTAGGGACGATAATGACGGTACCTAACAAGAAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAAAACGTAGGGTGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGACATGCAAGTTGGATGTGAAATCTATGGGCTCAACCCATGAACTGCATTCAAAACTGCTTGACTAGAGTAGAGGAGAGGTAAGTGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGCCCTACTGGGCACCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU2629;tax=d:Bacteria(0.0041),p:"Actinobacteria"(0.0000),c:Actinobacteria(0.0000),o:Bifidobacteriales(0.0000),f:Bifidobacteriaceae(0.0000),g:Bifidobacterium(0.0000);
ACGACCCATATCACGAAAATAGTCACGCAAAGCATTGGGATTCTCATCCAACGCCTCTCCTCGGTCGTCAGCCAACGTGCGAGTGTCAAAAACGATAAACCAACCATCAGCATGAGCCTGTCGCATTGCATTCATCAAACGCTGAATAGCAAAGCCTCTACGCGATTTCATAGTGGAGGCCTCCAGCAATCTTGAACACTCATCCTTAATACCTTTCTTTTTGGGGTAATTATACTCATCGCGAATATCCTTAAGAGGGCGTTCAGCAGCCAGCATGCGGCAAAACGGAGTAACCGTCTTCGCGTTCTCGAAAAACCATTTTGCGGCCCCTTCGGGGCGGTGGGCGAGAGTGTTATTAATATCAAGTGGGGGG
>OTU2628;tax=d:Bacteria(1.0000),p:"Tenericutes"(0.5174),c:Mollicutes(0.2902),o:Acholeplasmatales(0.1249),f:Acholeplasmataceae(0.0457),g:Acholeplasma(0.0110);
ACGGGAGGCAGCAGTAGGGAATTTTCGGCAATGGGGGAAACCCTGACCGAGCAATGCCGCGTGAATGATGAAATTCTTCGGAATGTAAAATTCTGTTGTGAGGGAAGAAAGGTAGTATCAGGAAATGGGTATTACTTGACGGTACCTTACTAGAAAGCCACGGCTAACTATGTGCCAGCAGCCGCGGTAATACATAGGGGGCGAGCGTTATCCGGAATTATTGGGCGTAAAGCGTGCGTAGGCGGTCGTTTTAGTCTTTCGTGAAAGCCCACAGCTTAACTGTTGAGGGTCGTTGGGAACTGGATGTCTTTGATCTTGAAGAGGTTAGTGGAATTCCATGTGTTGCGGTCAATTGCTTAGATATATGGAGTAACACCAGTGGCGAAGGCGGCTTACTTGTCTAGCATTGACGCTGAGGCACGAAAGCGTAGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU2626;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Eubacteriaceae(0.5273),g:Eubacterium(0.3479);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCAACGCCGCGTGGAGGAAGACGGTTTTCGGATTGTAAACTCCTGTTCTTAGTGAAGAAAAATGACGGTAGCTAAGGAGCAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGGGAGCAAGTCAGCTGTGAAATCTATGGGCTCAACCCATAAATTGCTTTCAAAACTGCTGGCCTTGAGTAGTGCAGAGGTAGGTGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATATGGAGGAACACCAGTGGCGAAGGCGGCTTCCTGGTCTGTAACTGACACTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2630;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9719),o:"Bacteroidales"(0.8846),f:"Prevotellaceae"(0.5273),g:Prevotella(0.3479);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATAAGGGAATAAAGTGGGTTATGTGTGACTTTTTGCATGTACCTTATGAATAAGGATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGGTGATTAAGTGTGTTGTGAAAGGTAGTGGCTCAACCTCTGAACTGCAGCGCGAACTGGTCTTCTTGAGTACACACGAGGTGGGCGGAATTCGTGGTGCAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACGGGAGCGCAACTGACACTGAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU2632;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9882),o:Lactobacillales(0.9389),f:Lactobacillaceae(0.8146),g:Lactobacillus(0.4351);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGTTTTCGGCTCGTAAAACTCTTTTGTGGAAGAAGAACGTGCGTGCGAGTAACTGTTCATGCAGTGACGGTATTCAACTAGAAACTCACGCCTTACTACGTGCCAGCAGCCCGTGTAATACGTATGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGGGAGCGCAGGCGGTTACTTAAGTCAGATGTGAAAGCCTTCGGCTTAACCGATGAAGTGCATCGGAAACTGGGTGACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU2634;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.6138),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0423);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTCTGGGATGTATCCCATTTTGAAGGTACCGCATGAATAAGGAACGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCGTTTAAGCGTGTTGTGCAATGCCGCGGCTCAACCGTGGCACTGAAGCGCGAACTGGATGACTTGAGTGCACTCGAGGTAGGCGGAATTCGTGGTGTAGCGGTGAATTTCTTCGATATCACGAAGACCCCCGATTGCGAAGGCAGCTTTCCGTCGCTTTACTGACGCTGTAGCTCGAAAGTGCGGATATCGCACAGGATTAGATACCCTGGTA

>OTU2633;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Lachnospiraceae(0.0710),g:Clostridium_XlVa(0.0134);

ACGGGAGGCAGCAGTCGGGAATATTGCGCAATGGAGGAAACTCTGACGCAGTGACGCCGCGTATAGGAAGAAGGTTTTCGGATTGTAAACTATTGTCGTTAGGGAAGAAAAAGACGGTACCTAAGGAGGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTATCCGGATTTATTGGGTGTAAAGGGTGCGTAGACGGGCTCGCAAGTTGGATGTGTAATACCCAGAGCTTAACTCGGGTGCTGCATCTGAAACTACGAGTCTTGAGTGTCGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2631;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Eubacteriaceae(0.1291),g:Eubacterium(0.0230);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGTTTTCGGATTGTAAAGCTCTGTCAGCGGGGAAGAAAAAATGACGGTAACCGAGTAGGAAGCCACGGCAAACTACGCGCGAGCAGTCGGGGCAAGCAGCAGGGGGAAAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGATAGCAAGTCAGATGTGAAAACTCTGGGCTCAACCCATAGACTGCAGTTGAAACTGTTATTCTTGAGTGGAGGAGAGGCAAGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTCTAACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2638;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Bacilli(0.9856),o:Lactobacillales(0.8846),f:Lactobacillaceae(0.7068),g:Lactobacillus(0.3915);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGACGGGTCTCGGCTCGTAAAGCTCCGTTGGTAGTGAAGTAAGATAGAGGTCGTAACTTGCCTTTATTTTACGGTATTTACTTAGAAAGTCACGGCCAACTCCGTGCCCGCCGCCGCGGTAATACGTAGGTGGCAAGCCTTGTCCGGATTTATTGGGCGTAAAGGGAGTGCAGGCGGTTCAATAAGTCTGATGTGAAAGCCTTCGGCTCAACCGGAGAATTGCAGCGGAAACTGTTGAACTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCGCTGGACTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU2635;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Negativicutes(0.9038),o:Selenomonadales(0.7995),f:Acidaminococcaceae(0.4914),g:Phascolarctobacterium(0.0904);

ACGGAAGGCAGCAGTGGGGAATCTTCCGCAATGGGCGAAAGCCTGACGGAGCAATGCCGCGTGAGTGATGAAGGAATTCGTTCCGTAAAGCTCTTTTGTTTATGACGAATGTGCAGACTGTGAATAATGGTTTGTAATGACGGTAGTAAACGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGAATTATTGGGCGTAAAGAGCATGTAGGCGGTTTTTTAAGTCCGGAGTGAAAATGCGGGGCTCAACCCCGTATGGCTCTGGATACTGGAAGACTTGAGTGCAGGAGAGGAAAGGGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTGGGAGGAACACCAGTGGCGAAGGCGCCTTTCTGGACTGTGTCTGACGCTGAGATGCGAAAGCCAGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU2637;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9784),o:Clostridiales(0.9707),f:Eubacteriaceae(0.9201),g:Eubacterium(0.9566);
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>OTU2636;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Lachnospiraceae(0.2864),g:Blautia(0.0712);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAAGGAAGAAGGTCTTCGGATTGTAAACTTCTGTTATAGGGGACGAATGATGACGGTACCCTATGAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTGTGGCAAGTCTGATGTGAAAGGCACGGGCTCAACCTGTGGACTGCATTGGAAACTGTCATACTTGAGTGCCGGAGGGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCGGTGGCGAAGGCGGCCAACTGGGCTTTTACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
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ACGGGAGGCAGCAGTGGGGAATCTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGAATGATGAAGGCCTTCGGGTTGTAAAATTCTGTTATAAGGGAAGAACGACTTTAGTATGCAATTGCTAGAGTGTGACGGTACCTTATTAGAAAGCCACGCCTAACTACGTGCCAGCCGCCGCGGTACTACGTATGTGGCGAGCTTTATCCGGAATTATTGGGCGTAAAGAGCGCGCAGGTGGTTGATTAAGTCTGATGTGAAAGCCCACGGCTTAACGGGGGAGGTGCATTGGAAACTGGTAGACTTGAGTGCAGAAGAGGGAAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGAGATATGGAGGAACACCAGTGGCGAAGGCGGCTTCCTGGTCTGTAACTGACACTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2641;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9769),o:Clostridiales(0.9606),f:Ruminococcaceae(0.9294),g:Gemmiger(0.1299);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGAGGAAGACGGTTTTCGGATTGTAAACTCCTGTCGTTAGGGACGATAATGACGGTACCTAACCAGAAAGCACCGGCTACCTACGTGCCAGCAGCCGCGGTAAAACGTAGGGTGCAAGCGTTGTCCGGAATTACTGGGTATAAAGGGAGCGCAGGCGGACCGGCAAGTTGGAAGTGAAATCTATGGGCTCAACCCATAAGTTGCTTTGAAAACTGCTGGCCTTGAGTAGTGCAGAGGTAGGTGGAATTCGCGGTGTAGCGGTGGAATGCGTAGATATCGGGAGGAACTCCGGTTGCGAAGGCGACCTACTAGGGAGCAACTGACGCTGATGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU2640;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Clostridiaceae_1(0.6709),g:Clostridium_sensu_stricto(0.3915);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATTACGGCCTTCGGGTTGTAAAGCTCTTTCTTCAGTGACGCTAATGACGGTACCTGAGGAGGAATCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGATCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAAGTGAGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCCTTTGAAACTGGCAGTCTAGAGTGCAGGAGAGGAGAATGGAATGCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCACTGGACTGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2642;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Bacilli(0.5195),o:Lactobacillales(0.2679),f:Lactobacillaceae(0.1291),g:Lactobacillus(0.0230);
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>OTU2645;tax=d:Archaea(0.0041),p:"Euryarchaeota"(0.0000),c:"Methanomicrobia"(0.0000),o:Methanomicrobiales(0.0000),f:Methanomicrobiales_incertae_sedis(0.0000),g:Methanocalculus(0.0000);
AGCTACCTGTAGGACGTGTCCGCATACAGTGCACCGCATGGAAATGACGACGGCCATTAGCTGTACCATACTCAGGCCCACAAACATACTGATAGCAGTCGGCGTGTGAATCATTAGCCTTGCGACCCTCGGCAGCAAGAACCATACGACCAATATCACGAAAATAGTCACGCAAAGCATTGGGATTATCATAAAACGCCTCTAATCGGTCGTCAGCCAACGTGAGAGTGTCAAAAACGATAAACCAACCATCAGCATGAGCCTGTCGCATTGCATTCATCAAACGCTGAATAGCAAAGCCTCTACGCGATTGCATAGGGGAGGCCTCCAGCAATCTTGAACACACATCCTTAAGACCGTGCTTGTTGGGGTAATTATACGCATCGCG
>OTU2643;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachnospiraceae(0.2864),g:Clostridium_XlVa(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAGGCCCGAAAGGGAGATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGCAGACGGCAGATCAAGTCTGATGTAAAATCCCGGGGCTCAACCCCGGAACTGCATTGGAAACTGGTCAGCTGGAGTGTCGGAGAGGTAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATCACGGACGTTGAGGCTCGAAAGCTGGGGGAGCAAACAGGATAGATACCCTGGTA

>OTU2646;tax=d:Bacteria(0.0024),p:"Acidobacteria"(0.0000),c:Acidobacteria_Gp22(0.0000),g:Gp22(0.0000);

CACCTTTAGCATCAACAGGCCACAACCAACCAGAACGTGAAAATGCGTCCTCCGTGTAGCGAGCTGCGATGGGCATACTGTAACCATAAGTCCACGTATTTTGCAAGCTATTTAACTGGCGGCGATTGCGTACCCGACGACCAAAATTAGGGTCAAAGCTACCTGTAGGAAGTGTCCGCATAAAGTGCACCGCATGGAAATGAAGACGGCCATGATCTGTAGCATACTCAGGCACACAAAAATACTGATAGCAGTCGGCGTGTGAATCATTAGCCTGGCGACCATCGGCAGCAAGAACCACACGACCAATGTCACGAAAATAGTCACGCGAAGCATTGGGATGAGCATAAAACGCCTCTAATCGGTCGTCAGCCAACGTGAGAGTGTCAAAAACGAGAGACCAACCATCAGCATGAGCCTGTC

>OTU2644;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Erysipelotrichia(0.6346),o:Erysipelotrichales(0.3639),f:Erysipelotrichaceae(0.1872),g:Turicibacter(0.0519);

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>OTU2647;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9903),o:Lactobacillales(0.9497),f:Lactobacillaceae(0.9108),g:Lactobacillus(0.8124);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCCCCGCCTTAACCGAGGAACTGCATCGGAAACTTTTTTTCTTGAGTGCAGAAGAGGAGAGTGCAACTCCATGTGTAGCGGTGGAATGCGTGAATATATGGAAGACCACCAGTGGCGAAGGCGGCTCCCTGCTCTGCAACTTTCCCTGAGACTCGAAGCCATGGCTAGCCAACAGGATTAGATACCCTGGTA

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ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAAACCTGATGAAGCAACGTCGCGTGAGTGATGACGGCCTTCGGGTTGTTAAGCTCTGTTTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTAAGTGCAAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCATAGGCGGACTTTTAAGTGAGATGTTGAATACCCGGGCTCAACGTGGGTGCTGCATTTCAAACTGGAAGTCTAGAGTGCATGAGAGGAGAATGGAATTCCTAGTGTAGCGGTGAAATGCGTATAGATTAGGAAGAGCACCAGTCGCGAAGGCGACTATCTGGACACTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

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ACGGGAGGCAGCAGTAGGGAGTTTTCGACAATGGGGGCAACCCTGATCGAGCAACGCCGCGTGAGTGATGAAGGTCTTCGGATTGTAAAACTCTTTTATTTGGGATAAATGGCTAGGGTAGGTAATGACCTTAGTTTGATAGTACCTTTTGAATAAGCAACGACTAACTACGTGCCAGCAGTCGCGGTAATACGTAGGTTGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTGAGCAGGCGGTCTATTAAGTTTGAGGTCAAATCTACGGGCTCAACTCGTAAACTGCTTTCAAAACTGCATCTCTTGAGTAGTGCAGAGGTAGGCGGAATTCCCGGTGTAGCGGTGGAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGGCACCAGCTGACGCTGAGGCTCGAAAGTATGGGTAGCAAACAGGATTAGATACCCTGGTA

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ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTTTTCGGATTGTAAACTTCTGTCCTAAGTGACGAAGGAAGTGACGGTAGCTTAGGAGGAAGCCTCGGCTAACTACGTGCCAGCAGCCGCGGTATTCCGTCGGGGGCGAGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGTGTAGGCGGCCGATTAAGTCTGAAGTGAAAGTCCTGCTTGCAAGGGGGGAATTGCTTTGGAGACTGGTTGGATTGAGTGCGTAAGAGGTAAGTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGAGATTGGGAGGAACACCAGTGGCGAAGGCGACTTACTGGGCCGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

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ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCCGATGCAGCGACGCCGCGTGAAGGAAGAAGTATCTCGGTATGTAAACTTCTATCAGCAGGGAAGATAGTGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGCGTAGACGGGAAGACAAGTTAGTTGTGAAATCCCTCGGCTCAACTGAGGAACTGCAACTAAAACTATCTTTCTTGAGTGCTGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

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473),f:Bacteroidaceae(0.0113),g:Acetomicrobium(0.0056);
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ospiraceae(0.8505),g:Clostridium_XlVa(0.7162);

ACTTTATTCATCATTTTTTAATATTTCACAATTTTCTAAATCCTTATTCATCTACTCCTCGTTAGTGAAGAAGTATTTCGG
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GCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGAAGCAAGTCTGA
AGTGAAAACCCAGGGCTCAACCCTGGGACTGCTTTGGAAACTGTTTTGCTAGAGTGTCGGAGAGGTAAGTGGAATTC
CTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATAACTGACG
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>OTU2670;tax=d:Bacteria(0.8319),p:"Bacteroidetes"(0.1905),c:"Bacteroidia"(0.0324),o:"Bacteroidales"(0.0
231),f:Prolixibacteraceae(0.0059),g:Prolixibacter(0.0035);
ACTTTATTCATCATTTATTAATATTTTTCAATTTTCTTAATCCTGAACCATCCATGCCGCTTTCGGTAAGGAGGCCCTATG
GGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCTCGCACGTCCGATGAGAGTACCAGGGGAATAAGCATC
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GTAGGCTGTGCGTCAAGTAAGGGGTGAAATTCCGGGGCTCAACTCCGGGGCTGCCCTTGATACTGTCGCGCTGGAGT
GCGGATGCCGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCCTAGATATCACTCAGAACACCGATTGCGAAGGCA
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>OTU2673;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Bacilli(0.8897),o:Lactobacillales(0.6509),f:Lactoba
cillaceae(0.3544),g:Lactobacillus(0.1299);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
TTTCGGCTCGTAAAACTCTGTTGTTGCAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATTCAACCAG
AAAGGCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTA
AAGCGAGCGCAGGCGGGATGATAAGTCGGATGTGAAAGCCCACGGCTCAACCGTGGAACTGCATCGGAAACTGTCA
TGCTTGAGTGCAGAAGAGGAGGGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATTGGGAGGAACACCAGTA
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>OTU2672;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Defluv
iitaleaceae(0.0149),g:Defluviitalea(0.0066);
ACGGGAGGCAGCAGTCGGGAATATTGCGCAATGGAGGAAACTCTGACGCAGTGACGCCGCGCATAGGAAGAAGGT
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GCAGCCGCGGTAATACGTAGGGAGCAAGCGTTATCCGGAATTATTGGGTGTAAAGGGTGCGTAGACGGGAATACAA
GTTGGTTGTGAAATCCCTCGGCTGAACTGAGGAACTGCAACCAAAACTATATTTCTTGAGTGCAGGAGAGGAAAGCG
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>OTU2671;tax=d:Bacteria(0.9827),p:"Bacteroidetes"(0.1707),c:Sphingobacteriia(0.0525),o:"Sphingobacteri
ales"(0.0352),f:Sphingobacteriaceae(0.0086),g:Pedobacter(0.0043);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAGGTCTGATGGAGCAACGCCGCGTGAGGGAAGAAGGT
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GCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCTGTGCGTCAA
GTCAGGGGTGAAATTCCGGGGCTCAACGCCGGGGCTACCCTTGATACTGTCGCGCTGGAGTGCGGATGCCGCCGGA
GGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACTCAGAACACCGATTGCGAAGGCATCTGGCGAATCCGTAA
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>OTU2674;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Bacilli(0.5579),o:Lactobacillales(0.2999),f:Lactoba
cillaceae(0.1485),g:Lactobacillus(0.0326);
ACGGGAGGCAGCAGTCGAGAATCTTGGGCAATGCGCGAAAGCGTGACCCAGCAATGCCGCGTGCATGATGAAGGC
CCTCGGGTCGTAAAATGCTGTCTCCCGTGACGAATAATGACGGTAGCGGGGAAGGAAGCCACGGCTAACTACGTGC
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AAGTCTGAAGTGAAAGCCCCCGGCTTAACCGGGGAACTGCTTCGGAAACTGTCCTTCTTGAGTGCAGAAGAGGAGA
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>OTU2678;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9866),o:Lactobacillales(0.8955),f:Lactoba
cillaceae(0.7787),g:Lactobacillus(0.4351);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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AAGCGAGCGCAGGCGGTTTGATAAGTCTGATGTGAAAGCCTTTGGCTTAACCAAAGAAGGGCAACGGGAACTGTCA
GGCTTGGGTGCCGAAGAGGACAGGGGAACTTCACGTGTAGCGGTGGAATGCGTAGATATAAGGGAGGACACCAGT
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>OTU2675;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Clostri
diaceae_1(0.1291),g:Clostridium_sensu_stricto(0.0230);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGT
CTTCGGATTGTAAAGCTCTCTCTTTGGGGACGATAATGACGGTACCCAAGGAGGGAGCCACGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGCGCGTAGGCGGGGATACA
AGTCAGGTGTGAAATCTATGGGCTTAACCCATAAACTGCACTTGAAACTGTATCTCTTGAGTGCAGAAGAGGAGAGT
GGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCA
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>OTU2677;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9992),c:Actinobacteria(0.9933),o:Actinomycetales(
0.9775),f:Dermabacteraceae(0.7068),g:Helcobacillus(0.4351);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGGGGGATGACGGC
CTTCGGGTTGTAAACCTCTTTCAGCAAGGAAGAAGCGAGAGTGACGGTACTTGCAGAAGAAGCGCCGGCTAACTAC
GTGCCAGCAGCCGCGGTAATACGTAGGGCGCAAGCGTTGTCCGGAATTATTGGGCGTAAAGAGCTTGTAGGTGGCT
TGTCGCGTCTGCCGTGAAAACCCAACGCTTAACGTTGGGCGTGCGGTGGGTACGGGCTGGCTAGAGTGTGGTAGGG
GAGATTGGAATTCCTGGTGTAGCGGTGAAATGCGCAGATATCAGGAGGAACACCGATGGCGAAGGCAGGTCTCTGG
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>OTU2676;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Gracili
bacteraceae(0.0560),g:Lutispora(0.0134);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
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TAAGTTGGATGTGAAAGCCCCGGGCTTAACTTGGGAAGTGCATCCAATACTGGAGGACTTAGAGTACAGGAGAGGG
AAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGAC
TGACACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2679;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9882),o:Lactobacillales(0.8955),f:Lactoba
cillaceae(0.7428),g:Lactobacillus(0.3915);

ACGGAAGGCAGCAGTAGGAAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTT
TTCGGATCGTAAAGCTCTTTTGTTGGTGAAGAAGGATAGTGGCAGCAACTGGCCATTATTTGACGGTAATCAACCAG
AAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAA
AGCGAGCGCAGGCGGTTTGATAAGTCTGATGTGAAAGCCTTTGGCGTAACCAAAGAAGTGCATCGGAAACTGTCAG
ACTTGAGTGCAGAAGAAGACAGTGGAACTCCATGTGTAGCGGTGGGATGCGTAGATATATGGAAGAACACCAGTGG
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>OTU2680;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9762),o:Clostridiales(0.9497),f:Clostri
diaceae_1(0.3884),g:Clostridium_sensu_stricto(0.1735);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGCGTGATGACGGT
CTTAGGATTGTAAAGCTCTGTCTTTGGGGACGTTAATGGCGGTACCCAAGGCGGAAGCCACGGCTAACTACGTGCCA
GCAGCCGCGGTACTGCGTCAGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTCTTAA
GTGGGATGTGAAATACCCGGGCTTAACCTGGGTGCTGCATTGCAAACTGGGAATCTAGAGTGCAGGGGGGGAGAGT
GGAATTCGTAGTGTAGCGGTGAAATGCGTAGAGATGAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTA
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>OTU2681;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8267),c:Sphingobacteriia(0.3483),o:"Sphingobacteri
ales"(0.1483),f:Sphingobacteriaceae(0.0560),g:Pedobacter(0.0134);

GTGCCAGCAGCCGCGGTAATATGAAGGATCCAAGCGTTGTCCGGATTTACTGGGTTTAAAGGGTGCGTAGGCGGAC
TCATAAGTCAGTGGTGAAAGCCTTCAGCTTAACTGAAGAACTGCCATTGAAACTGTGAGTCTCGAGTTCGGTTGAGGT
CATTGGAATGTAACATGTAGCGGTGAAATGCATAGATATGTTACAGAACACCAATTGCGAAGGCAGATGACTAAACC
GAAACTGACGCTGAGGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTAGTCCACGCCCTAAACGTTG
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GAATGAAACTCAAAGGAATTGACGGGG

>OTU2682;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9805),o:Lactobacillales(0.9685),f:Lactoba
cillaceae(0.9015),g:Lactobacillus(0.7162);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATCGGGCGTA
AAGCGAGCGCAGGCGGAATGATAAGTCTGATGTGAAAGCCCACGGCTCAACCGTGGAACTGCATCGGAAACTGTCA
TTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTG
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TA

>OTU2684;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Bacilli(0.3483),o:Lactobacillales(0.1483),f:Lactoba
cillaceae(0.0457),g:Lactobacillus(0.0076);

AGGGGAGGCAGCAGTAGGGAAGGGGAAAAAAGGGGAGAAAGCAGGATGGAGCAACACCGCGTGAGTGAAGAAG
GGTTTCGGCTCGTAAAGCTCTGTTGTTGGTGAAGAACGTGCGTGTGAGTAACTGTTCACGCAGTGACGGTATCCAAC
CCGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAGGACTCGAGCGTTATCCGGATTTATTGGGTT
GAAATGGTGCGTAGGCGGTTAGATAAGGTTGATGTTAAATGCTTCTGATCAACAGGAGTTTGCCTTGAAAACTGTCT
GACTAGGATGTAAACGGCGCAGGCGGAATGAATCATGTAGCGGTGAGATGCATGGATATGATTCAGAACACCGATC
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TA

>OTU2683;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Rumin
ococcaceae(0.0457),g:Clostridium_IV(0.0110);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGG
TCTTCGGATTGTAAACCTCTTTCAGCAGGGAAGAATAATGACGGTACCTGCAGAAGAAGTCACGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGTGTAGGCGGGGAGTT
AAGTCAGATGTGAAAATTACGGGCTCAACCCGTAACCTGCGTCTGAAACTGATTCTCTTGAGAGTGGGAGAGGTAAA
CGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGT
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>OTU2685;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Bacilli(0.7114),o:Lactobacillales(0.4280),f:Lactobacillaceae(0.2524),g:Lactobacillus(0.0712);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGAGTGCAAGTCAGATGTGAAAACTATGGGCTCAACCCATAGCCTGCATTTGAAACTGTACTTCTTGAGTGATGGAGAGGCAGGCGGAATTCCCTGTGTAGCGGTGAAATGCGTAGATATAGGGAGGAACACCAGTGGCGAAAGCGGCTCTCTGGTCTGTAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU2687;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Ruminococcaceae(0.1872),g:Ruminococcus(0.0519);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCAGATGCGGCGAAGCCGCGTGAGCGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGTCTTGCAAGTCTGATGTGAAAGCTCGGGGCTCAACCCCGAGACTGCATTGGCGACTGTTAGACTTGTGTGTCGGAGGGTCAAGTGGAATTCCTGGAGTAGCGGTGAAATGCGTAGATATTAGGAGGGACACCAGTTGCGAAGGCGGCTGTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2688;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Ruminococcaceae(0.1872),g:Butyricicoccus(0.0519);
ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGATCGATGAAGGTTTTCGGATTGTAAAGATCTTTTGTCTGGGAAGAATTCTTGACGGTACCAGACGAATAAGCTCCGGCTAGCTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGAGTAGGCGGATCAGCAAGTCAGATGTGAAATACCGGGGCTCAACTCCGGGGCTGCATTTTAAACTGTTGACCTTGAGTGATGGAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACATTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2686;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Eubacteriaceae(0.0560),g:Alkalibaculum(0.0134);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTATCGTGGACGACGAAGGAAGTGACGGTAGTCCACAAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGTGTAGGCGGCCTGATAAGTCTGAAGTGAAAGTCCTGCTTTGAAGGTGGGAATTGCTTTGGATACTGTCGGGCTTGAGAGTGGGAGAGGTAAACGGAATTCCTAGTGTAGTAGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGTTTACTGGACCACAACTGACGCTGAGACACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2689;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Clostridiaceae_4(0.0355),g:Thermotalea(0.0087);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAGTGGAGGCAACTCTGACCCAGCAACGCCGCGTGAATGATGAAGGTCCTCGGATTGTAAAGTTCTGTGATGGGGGAAGAAGAAAGTGACAGTACCCCAAGAGCAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGACAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGTGCGTAGTCGGTTTGACAAGTTGGTAGTGAAATTCCAGGGCTTAACTCTGGCGCTATTACCAAAACTGTTGAACTTGAGTGTGAGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTACTGGCTCATAACTGACGATGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2691;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Lachnospiraceae(0.4563),g:Clostridium_XlVa(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGGGCAACCCCGATCCAGCGACGCCGCGTGAGTGAAGAAGTATTCCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAAAGCGCGCAAGCGCCCTTGACAGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCCAGGTAAGTCAGGTGTGAAAGCCCGGGGCTCAACCCCGGGACTGCACTTGAAACTATCTGGCTAGAGTGTCGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTACTGGACGATAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2690;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Ruminococcaceae(0.2184),g:Clostridium_III(0.0230);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCCGACCCAGCAACGCCGCGTGAAGGAAGAAGGTTTTCGGATTGTAAACTTCTTTTATCAGGGACGAAGAAAGTGACGGTACCTGATGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGCAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGGATGCAAGTTGGGTGTGAAATACCGGGGCTTAACCCCGGAGCTGCATCCAAAACTGCGAGTCTTGAGTGCTGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2692;tax=d:Bacteria(1.0000),p:"Fibrobacteres"(0.7547),c:"Fibrobacteria"(0.4428),o:"Fibrobacterales"(0.2039),f:"Fibrobacteraceae"(0.0904),g:Fibrobacter(0.0181);
ACGGGAGGCAGCAGTAGGGAATATTGCACAATGGGGGGAACCCCGATGCAGCAACGCCACGTGTGGGAAGAAGCATTTCGGTGTGTAAACCACTGTCGTGAGGGAATAAGGCTATTTTTCGGAGTAGTTGAATGTACCTCGAGAGGAAGCACCGGCAAACTTCGTGCCAGCAGCCGCGGTAATACGAGGGGTGCAAGCGTTGTTCGGAATCACTGGGCGTAAAGGGAGCGCAGGCGGTTCAATAAGTCTGATGTGAAAGCCTTCGGCTCAACCGGAGAAATGCATCAGAAACTGTTGAACTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGCAGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2694;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9928),o:Lactobacillales(0.9798),f:Streptococcaceae(0.9480),g:Streptococcus(0.9724);
ACGGGCGGCAGCAGGCTGGCATCTGCTGACCTGGGGGCAACCCTGACCGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAGAGCTCTGTTGTAAGAGAAGAACGGATGTGGGAGTGGAAAATCCATGTCGTGACGGTATCTTACCAGAAAGTGACGGCTAACTACGTGCTAGCAGCCGCGGTAATACGTAGGTCCCGAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTCATAAGTCTGAAGTTAAAGGCAGTGGCTTAACCATTGTACGCTTTGGAAACTGTGAGACTTGAGTGCAGAAGGGGAGAGTGGAATTCCATGTGTAGCGGTGAAATGCGTCGATATATGGAGCACCACCGGTGGCGAAAGCGGCTCTCTGGTCTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2693;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Clostridiaceae_1(0.3544),g:Clostridium_sensu_stricto(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCCGATGCAGCAACGCCGCATGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTTTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGCGCGTAGGCGGATTTCTAAGTGAGATGTGAAATACTCGGGCTTAACCTTGGTACTGCATTTCAAACTGGTAGTCTAGAGTTCAGAAGAGGATAAAGGAATTCCTAGTGTAGCGGTGAAATGCGTAAAGATTAGGAAGAACACCAGTGGCGAAGGCGCTTCTCTGGTTTGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2695;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Bacilli(0.3483),o:Lactobacillales(0.1483),f:Lactobacillaceae(0.0457),g:Lactobacillus(0.0110);
ACTTTCTTCCTCCTTCTGGAATCTTCCACCCTGGACGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTAGAGAAGAAGGTTAGAGATAGTAACTGTCCTTGATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGTGATGTAAGTTGGATGTGAAATCCCGGGGCTTAACCACAGAACTGCATCGAAAACTGTCAGACTTGAGTGCCGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGGCAACTGACGCTGAGGCTCGAAAGGGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2698;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Clostridiaceae_1(0.4224),g:Clostridium_sensu_stricto(0.2171);
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>OTU2697;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Ruminococcaceae(0.8505),g:Clostridium_IV(0.5720);
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ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGTTTGTAAAGCTCTGTCTTCAGGGACGAGAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCCGCAGCCGCGGTTATACCTAGGGGGCAAGCGGTATCCGGAATTGCTGGGGGTAAAGGGGGAGGAGGCGGCATGGCAAGTAAGATGGGAAAGCCCGGGGCTTAACTCCGGGATTGCCTTTTAAACTGCTGCGCTAGAGTAAATGAGAAGAAAGCGGGACTCCCAGGGTAGCGGTGGAAAGGGTCGATATTAGGAAGAACACCAGTAGCGGAGGCGGCTTTCTGGAATGGAAGCTGACGCTGAGGCACGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
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ACGGGAGGCAGCAGTGAGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGGTCTTCGGATTGTAAACCTACGTCAACAGGGAAGAAGAAAGTGACGGTACCTGTGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGAGTAGGCGGGTTTGCAAGTCAGATGTGAAAACTATAGGCTCAACCTATAGCCTGCATTTGAAACTGTAGATCTTGAGTGTGGGAGAGGTAAGCGGAATTCCCGGTGTATCGGTGAAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACCACAACTGACGCTGAGACACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

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ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTTTCTTCAAGGACGATAATGACGGTACCCGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATATGGAGGTGGCGAGCGTTGTTCGGAATTATTGGGCGTAAAGGGAGCGTAGGCGGATTATTAAGTGAAATGTGAAATACTCGGGCTTAACCTGAGTGCTGCATTTCAAACTGGAAGTCTAGAGTGCGGGAGAGGAGAGGGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGCTTCTCTGGACTGTATCTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2700;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Clostridiaceae_1(0.1485),g:Clostridium_sensu_stricto(0.0326);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGGTGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGTGGATATTTAAGTGGGATGTGAAATGCCCGGGCTTAACCTGGGTGCTGCATTCCAAACTGGATATCTAGAGTGCAGGAGAGGAAAGGAGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGATGAACACCAGTAGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2701;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Clostridiaceae_1(0.4224),g:Clostridium_sensu_stricto(0.2171);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGTTTTCGGATCGTAAAGCTCTGTCTTTGGGGAAGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGAGATGCAAGTTGGGAGTGAAATCCAGGGGCTCAACCCCTGAACTGCTCTCAAAACTGTATCCCTTGAGTATCGGAGAGGTCATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGATGACTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2705;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Lachnospiraceae(0.0560),g:Clostridium_XlVa(0.0134);

ACGGAAGGCAGCAGTGGGGAATATTGGACAATGGGCGCAAGCCTGATCCAGCGACGCCGCGTGAGCGATGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAACGACGGTACCTGACTAAGAAGCTCCCGCTAAATACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGATAGCAAGTCAGCGGTGAAAATTATGGGCTCAACCCATAAACTGCCGTTGAAACTGTTATTCTTGAGTGGAGTAGAGGCAAGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

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diaceae_1(0.1485),g:Clostridium_sensu_stricto(0.0326);
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(0.9753),f:"Fibrobacteraceae"(0.9759),g:Fibrobacter(0.9781);
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>OTU2709;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Clostridiaceae_1(0.0904),g:Clostridium_sensu_stricto(0.0181);
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CCTTTCTTCCTCCTTTTGGAATATTGGGCACTGGACGCAAGTCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTAAGGGGGAAGAGCAGAAGACGGTACCCCTTGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGTCGGCAAGTCAGATGTGAAATCCACGGGCTCAACTCGTGAACTGCATTTGAAACTGTTGATCTTGAGTATCGGAGAGGTAATCGGAATTCCTTGTGTAGCGGTGAAATGCGTAGATATAAGGAAGAACACCAGTGGCGAAGGCGGATTACTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2710;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Clostridiaceae_1(0.1679),g:Clostridium_sensu_stricto(0.0423);
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ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGTCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGCCCTACGGGTCGTAAACCTCTTTTGCCGGGGAGCAACGCTGCGGACGTGTCCGCAGGTGAGAGTACCCGGAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGTTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCCGGCTGTTAAGTCAGGAGTAAAAATTCGGGGCTCAACCCCGTAAAGGCGTTTGAACTGGCGGTCTTGGATTGCGGCGGAGCATGCGGAATGCGAGGGGTAGCGGTGAAATGCATAGACATCAGGGAAAACTCCGAATGCGAAAGCAACATGCCAGCCACCGACTGGCGCTTAGGCACGGAAGTGCGGGTATCGAACAGGATTAAGTACCCTGGTA

>OTU2715;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Peptostreptococcaceae(0.0457),g:Clostridium_XI(0.0110);
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>OTU2712;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Clostridiales_Incertae_Sedis_XII(0.1485),g:Acidaminobacter(0.0326);
ACGGACGGCAGCAGTCTGGCATCTTTTGCCCTGGGCGCAAGCCTGGCCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCCTATGTGACGAAGGAAGTGACGGTAGCATAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGTTTGGTAAGTTGGATGTGAAATACCCGGGCTTAACTTGGGGGCTGCATCCAATACTGCTGAACTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2719;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Bacilli(0.8048),o:Lactobacillales(0.5023),f:Lactobacillaceae(0.3204),g:Lactobacillus(0.0808);
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>OTU2718;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachnospiraceae(0.3204),g:Acetitomaculum(0.0808);
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>OTU2722;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Peptostreptococcaceae(0.4914),g:Clostridium_XI(0.3043);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTTCCAGCAGCCGCGGTAATACGTAGGGGGCTACCGTTATCCGGATTTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGGAGTGAAAGGCTACGGCTCAACCGTAGTAAGCGTTTGAAACTGGGAAACTTGAGGGCAGGAGAGGAAAGGTGAATTCCTGGTGTAGGGGTTAAATGCGTAGATATTAGGAGGAACATCAGTAGCGAAGGCGACTTTCTGGACTGTAACTGACACCGAGGCACGAAAGCGTGGGGAGCAAAAAGGATTAGATAACCCTGTA

>OTU2721;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Bacilli(0.9755),o:Lactobacillales(0.8520),f:Lactobacillaceae(0.5991),g:Lactobacillus(0.4351);

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>OTU2720;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lachnospiraceae(0.2864),g:Clostridium_XlVa(0.0808);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGTAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGCAAGTCTGAAGTGAAAGCCCGGGGCTTAACCCCGGGACTGCTTTGGAAACTGTATAGCTTGAGTGCAGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGCAACTGACGTTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU2723;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Clostridiales_Incertae_Sedis_XII(0.0560),g:Acidaminobacter(0.0134);

ACGGGAGGCAGCAGTAGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAATGCCGCGTGAGGGAAGAAGGTCTTCGGATTGTAAACTTCTGTCCTATGTGACGAAGGAAGTGACGGTAGTATAGGTGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGTTTGGTAAGTTGGATGTGAAATACCCGGGCTTAACTTGGGAGCTGCATCCAATACTGCTGAGCTTGAGTGCAGGAGAGGAGAGCGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTTCTGGACTGTGACTGACGCTGAGGTACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2725;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9991),c:Epsilonproteobacteria(0.9952),o:Campylobacterales(0.9843),f:Campylobacteraceae(0.9852),g:Campylobacter(0.9799);

ACGGGAGGCAGCAGTAGGGAATATTGCTCAATGGGGGAAACCCTGAAGCAGCAACGCCGCGTGGAGGATGACACTTTTCGGAGCGTAAACTCCTTTTCTTAGGGAAGAAATTTGACGGTACCTAAGGAATAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTACTCGGAATCACTGGGCGTAAAGGACGCGTAGGCGGATTATCAAGTCTTTTGTGAAATCTAATGGCTCAACCATTAAACTGAATGAGAAACTGATAATCTAGAGTGAGGGAGAGGCAGACGGAAATGGTGGTGTAGGGGTAAAATCCGTAGAGATCACCAGGAATACCCATGGCGAAGGCGATCAGCTAGAACTCAACTGACGCTAATGCGTGAAAGCGTGGGGAGCAAACAGGATTAGATAACCTGGTA

>OTU2726;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9711),o:Clostridiales(0.8629),f:Peptostreptococcaceae(0.3204),g:Clostridium_XI(0.0904);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGCGCGATGAAGGCCTTCGGGTCGTAAAGCTCTTTCCTCAAGGAAGATAATGGCGGTACTTGTGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTACTACGTCGGGGGCTGGTGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGAGGTGAAAGGCTACGGCTCAACCGTAGTAAGCCTTTGAAACTGGGAAACTTGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACCCCAGTTGCGAAGGCGGCTTTCTGGAGTGTTACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2724;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Clostridiales_Incertae_Sedis_XIII(0.4563),g:Anaerovorax(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGAAGAAGGCCTTTGGGTCGTAAAGCTCTGTCCTTGGGGAAGAAAAAAATGACGGTACCCAAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAAGTATTGGGCGTAAAGAGTACGTAGGTGGTTGGATAAGCGTGGGGTGAAAGGCAGTGGCTTAACCATTGTAAGCCCTGCGAACTGTCCGACTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGTACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2727;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Ruminococcaceae(0.5273),g:Ruminococcus(0.3479);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGATGCCGCGTGGAGGAAGAAGGTTTTCGGATTGTAAACTCCTGTCTTAGAGGACGATAATGACGGTACTTTAGGAGGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGTGTAGGCGGGACTGCAAGTCAGATGTGAAATTTAGGGGCTCAACACCTGAACTGCATTTGAAACTGTGGTTCTTGAGTGAAGTAGAGGTAAACGGAATGACTAGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCGGTGGCGAAGGCGGCTTTCTGGACAGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2728;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Lachnospiraceae(0.2184),g:Coprococcus(0.0423);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGAAAGATAATGACGGTACCTGACTAAGAAGCACCGGCTAAATACGTGCCAGCAGCCGCGGTATTACGTATGGTGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGACGGCATGGCAAGCCAGATGTGAAAGGTGGGGGCTCAACCACCAAGCTGCATTTGGAAATGGCAAGCTAGAGTATCGGAGAGGTAAGAGGAAGTACTAGTGGAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAATGGCGAAGGCGGCTTAAGGGAAGATAAATGACGTTGAGGCACGAAAGCGTGGGGAGAAAACAGGATTAGATACCCTGGTA

>OTU2730;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Rumin
ococcaceae(0.2184),g:Intestinimonas(0.0230);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
CTTCGGATTGTAAACTTCTTTTATCAGGGACGAAGGAAGTGACGGTACCTGATGAATAAGCCACGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGATA
GCAAGTCAGCGGTGAAAATTATGGGCACAACCCATAAACTGCCGTTGAAACTGTTATTCTTGAGTGGAGTAGAGGCA
AGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGAGATTGGGAGGAACACCAGTGGCGAAGGCGACTTACTGGGC
CGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU2729;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Erysipelotrichia(0.7881),o:Erysipelotrichales(0.50
23),f:Erysipelotrichaceae(0.3204),g:Turicibacter(0.0904);
ACGGAAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGAATGATGAAGGC
CTTCGGGTTGTAAAATTCTGTTATAAGGGAAGAACGACTTTAGTAGGAAATGGCTAGAGTGTGACGGTACCTTATGA
GAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGT
AAAGGGAGCGTAGGCGGATTCTTAAGTGGGATGTGAAATACCCGGGCTTAACCTGGGTGCTGCATTCCAAACTGGG
AATCTAGAGTGCAGGAGGGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGT
GGCGAAGGCGGCTTCCTGGTCTGTAACTGACACTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTG
GTA
>OTU2731;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Lachn
ospiraceae(0.2184),g:Coprococcus(0.0423);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGACGACGTA
TTTCGGTATGGAAACTTCTATCAGCAAGGAAGATGATTACGGTACTTGACTAAGAATCCCCGTCTAACTACGTTCCAG
CAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCCATGCAAG
TCAGAAGTGAAAGCACGGGGCCCAACGCCGGGACTGCTTCTGAAACTGTAAGGCTAGATTGCCGGAGAGGTAAGCG
GAATTCCTCGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTCA
ATGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2733;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachn
ospiraceae(0.3544),g:Clostridium_XlVa(0.0904);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
TTTCGGTATGTAAACCTCTATCAGCAGGAAAGAAAATGACGGTCCCTGACTAAGAAGCCCCTGCTAACTACGTGCCCG
CAGCCGCGGTACTACGTAGGGGGCACGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTTGTGCAAG
TCTGAAGTGAAATGCGGGGGCTCAACCCCGGAACGGCATTGGAAACTGTATAACTAGAGTGCAGGAGAGGTAAGTG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTGACTGGACTGTAA
CTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2732;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Rumin
ococcaceae(0.1679),g:Clostridium_IV(0.0230);
ACGGGAGGCAGCAGTGGGGGATTTTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGGGAAGAAGGT
TTTCGGATTGTAAACCTCAGTTGTCAGGGACGAAACACATGACGGTACCTGAAAAGTAAGCTACGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGGAGCGCGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGGTTAG
CAAGTCAGACGTGAAATACCGAGGCTTAACTGCGGGGCTGCACTTGAAACTGTATATCTTGAGTGAAGTAGAGGCAA
GCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTGGCTGGGCTG
TAACTGACGCTGAGGCACGAAAGCATGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2735;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Rumin
ococcaceae(0.1485),g:Clostridium_III(0.0204);
ACGGGAGGCAGCAGTGGGGAATCTTGGGCAATGGGGGAAACCCTGACCCAGAAACGTCGCGTGAAGGATGAAGGT
CTTCGGATTGTAAACTTCTTTGGCCGAGGAAGATAATGACATTACTCGGAGAACAAGCCACGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGCGGCGAGCGTTATCCGGATTTACTGGGTGTAAGGGCGCGTAGGCGGGTTTTCAAG
TCAGATGTGAAATTTCCGGGCTTAACTCGGAGCGGTCATCTGAAACTGGAGGTCTTGAGTGTCGGAGAGGAAAGCG
GAATTCCTAGTGTAGCGGTAAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTTCTGGACGACAA
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>OTU2734;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Rumin
ococcaceae(0.1485),g:Clostridium_IV(0.0134);
ACGGGAGGCAGCAGTAGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
TTTCGGGTTGTAAACTTCTTTTGTCAGGGACGAGAAGAAGTCGGTATCTGACGAATAAGCCACGGCTAACTACGCGC
CAGCAGCCGCGGTAACACGTTGGTGGCAAGCGTTGTCCGGATTTGCTGGGAGGAAAGGGCGTGTAGCCGGGTCGGC
AAGTCAGATGTGAAATCCACGGGCTTAACTCGTGAGCTGCATTTGAAACTGTGGGTCTTGAGTGTCGGAGGGGAAAT
CGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACATCAGTGGCGAAGGCGACTTACTGGACGAT
AACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2736;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Clostri
diaceae_1(0.1098),g:Clostridium_sensu_stricto(0.0204);
ACGGAAGGCAGCAGTGTGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTA
TTTCGGTATGTAAACTTCTATCAGCAGGGAAGACAATGACGGTACCTGACTAATTAGCCCCGGCTAACTACGTGCCAG
CAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAAG
TGGGATGTGAAATACCCGGGCTGAACCTGGGTGCTGCATGCCAAACTGGTGATCTAGAGTGCGGGAGGGGGGAGT
GGAATTCCTAGTGTAGCGGTAAAATGCGTAGAGATTAGGAAGAACAACAGTGGCGAAGGCGACTCTCTGCACTGTA
ACTGACGCTGAGGCTCGACAGCGTGGGGAGCAAACAGGATTAGAAACCCTGGTA

>OTU2737;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Clostridiaceae_1(0.4224),g:Clostridium_sensu_stricto(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGGGATGACGGCCTTCGGGTTGTAAAGCTCCTTCTTCAGGGACGAAAATTACGGTACCTGAGGAGGAAGCCACGGCTAACAACGTGCCAGCAGCCGCGGTAATGCGTAGGCGGCGGCGGTTGTCCGGATTTACTGGGCGTAAAGGGGGCGTAGGCGGATTTTTAAGTGAGATGTGAAATACTCGGGCTTAACCTGAGTGCTGCATTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAAGGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCGGTGGCGAAGGCGCTTCTCTGGACTGTTACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2738;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.8628),c:Deltaproteobacteria(0.6730),o:Desulfovibrionales(0.3959),f:Desulfovibrionaceae(0.1679),g:Desulfovibrio(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGTCTTCGGATCGTAAACCTCTGTCAGAAGGGAAGAAACTAGGGTGCTCTAATCATCATCCTACTGACGGTACCTTCAAAGGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCTGATAAGTTTGAAGTGAAAGTCCTTCTTTTAAGGAGGGAACTGCTTTGAAAACTGTTGGGCTTGAGTGCAGGAGAGGTAAGCGGAATTCCCGGTGTAGCGGTGAGATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACAGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2740;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9867),c:"Bacteroidia"(0.7114),o:"Bacteroidales"(0.4280),f:"Prevotellaceae"(0.1098),g:Prevotella(0.0204);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGGTGTAAACTGCTTTTATGCGGGAATAATGTCAGACACGCGTGTCTGCTTGCATGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTTCGGGCGTTATCCGGATTTATTGGGTTTAGAGGGTGCGCAGGCGGCGCGCCAAGTCAGCGGTCAAAGTTCCGGGCTCAACCCGGTGTCGCCGTTGAAACTGGCGTGCTCGAGTGCGTGCGAGGAAGGCGGAATGCGTTGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCTATTGCGAAGGCAGCTTGCTGGAGTGTAACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU2739;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Ruminococcaceae(0.0710),g:Papillibacter(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTTTTCGGATAGTAAACTTCTATCCTTGGTGAAGATAATGACGGTAGCCAAGAAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGCAGGCAAGTCAGATGTGAAAGCCACGGGCGTAAACTGTGAATTGCATTTGAAACTGTTGATCTAGAGTATCGGAGAGGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGATTGCTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2741;tax=d:Bacteria(0.9827),p:"Bacteroidetes"(0.3448),c:Sphingobacteriia(0.0525),o:"Sphingobacteriales"(0.0352),f:Sphingobacteriaceae(0.0086),g:Solitalea(0.0043);

AAGGGAGGAAGAAGGGAGGAAGAGGGGGAAAGGGGGGGACGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAG
GCCCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATACGGGCGTCGCGCACGTCCGATGAGAGTACCAGGGGAA
TAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAA
AGGGTGCGTAGGCTGTGCGTCAAGTCAGGGGTGAAATTCCGGGGCTCAACGCCGGGGCTGCCGTTGATACTGTCGC
GCTGGAGGACGGATGCCGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACTCAGAACACCGATTG
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A

>OTU2742;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Clostridiaceae_1(0.4224),g:Clostridium_sensu_stricto(0.0904);

AAGGGAGGCAGCAGTGGGGAAGAGGGCACAAGGGGGGAAACCCTGATGCAGAAATGACGCGGGAGTGAGGAAG
GCCTTCGGGGTGGAAAGCTCTGGCGTCAGGGACGAGAATGACGGGACCTGAGGAGGAAGCCACGGATAACGACGT
GACAGCAGCCGCGGGAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCTGATTT
TTAAGTGAGATGTGAAATACCCGGGCTTAACTTGGGTGCTGCATTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGA
GAAGGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGCTTCTCTGGAC
TGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2743;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Ruminococcaceae(0.1872),g:Oscillibacter(0.0157);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGACGGC
CTTCGGGTTGTAAACTTCTTTTGTTAGGGACGAGTAGAAGACGATACCTGACGTATAAGCCACAGCTAACTACGTGCC
AGCAGCCGCTGTAATACGAAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGAGGGC
AAGTCAGATGTGAAATCCACGGGCTCAACTCGTGAACTGCAGTTCAAACTGCTCTTCTTGAGTGTGGGGGAGGCAAG
CGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTGCTAGACGGC
AACTGACGGTGAGGCGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU2744;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9762),o:Clostridiales(0.9497),f:Clostridiaceae_1(0.5991),g:Clostridium_sensu_stricto(0.2607);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGGC
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GCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAA
GTGGGATGTGAAGTACCCGGGCTCAACTTGGGTGCTGCATTCCAAACTGGTTATCTAGAGTGCAGGAGAGGAGAGT
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGGCTTACTGGACAGTA
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>OTU2745;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Eubacteriaceae(0.1098),g:Eubacterium(0.0204);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGAAGGCCTTTGGGTCGTAAACTTCTGTTCTAAGGGAAGATAATGACGGTACCATAGGAGCAAGTCCCGGCGAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTACGTAGGTGGGTACCTAAGCACGAGGTATAAGGCAATGGCTTAACCGGTGTTCGCCTTGTGAACTGGGCTGCTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTATGACTGACGCTGAGGTACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2747;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Ruminococcaceae(0.0710),g:Intestinimonas(0.0087);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGGTCTTCGGATTGTAAACCTTTGTTGATGGGGACGAAGAAGATGACGGTACCCATCGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGTGTAGGCGGAGAGACAAGTCAGGTGTGAAAATTACGGGCTCAACCCGTAACTTGCGCCTGAAACTGTATCCCTTGAGAGTCGGAGGGGTAAATGGAACTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCGGTGGCGAAGGCGATTTACTGGACGACAACTGACGCTGAGACACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2748;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Bacilli(0.8755),o:Lactobacillales(0.6509),f:Lactobacillaceae(0.3544),g:Lactobacillus(0.1299);

AAGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTCTTCGGATTGTAAAACTCTGTTGTTAGAGAAGAACACGAGTGAGAGTAACTGTTCATTCGATGACGGTATCTAACCAGCAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGGGAACGCAGGCGGGAGTGCAAGTTGAATGTTTAATCTATGGGCTCAACCCATATCAGCGTTCAAAACTGCATTTCTTGAGTGAAGTAGAGGTTGGCGGAATTCCCAGTGTAGCGGTGAAATGCGTAGAGATTGGGAGGAACACCAGTGTCGAAGGCGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2751;tax=d:Bacteria(0.0024),p:Firmicutes(0.0000),c:Bacilli(0.0000),o:Lactobacillales(0.0000),f:Aerococcaceae(0.0000),g:Aerococcus(0.0000);

GGCATTGTTTGTGAGCGCTGTGACGTTGAGGTCACAGAGAGCCGGGTGCGACGGCACCGGATGGGCTTCATTAAGTTGGCGGCTCCCGTCTCCCATGTTTGGTACCTGAAAGGGATTCCCAGTTATGTGGCCATCCTGTTGGATATGCCTCTGCGGGATGTTGAACAGATCGTTTATTCCAACTGTTATGTGGTGCTCGATGCGGGCGATCACAAAGACTTGAAGTACAAGCAGTTGCTTACGGAAGATGAGTGGCTTGAAATTGAAGACGAGATTTATGCAGAAGATTCAGAAATTGAGAATGAACCCGTCGTTGGAATTGGCGCCGAGGCGCTGAAGCAGCTTCTTGAGGATCTCCAACTCAATGCTGTTGCTGAACAATTGCGTGAGGAGATTGCTGGCAGTAAGGGGCAGAAACGCGCCAAGCTGATCAAGCGCCTACG

>OTU2749;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Clostridiaceae_1(0.1291),g:Clostridium_sensu_stricto(0.0230);
CCTTTCTTCCTCCTTTTTTTCTCTTTCCCCCTTGGGGCCACCCTGATGCAGCGACGCCGCGTGGAGGAAGAAGGTTTTCGGATTGTAAACTCCTGTCGTTAGGGACGATAATGACGGTACCTAACAAGAAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAAAACGTAGGGGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGGGAGCGTAGGCGGATTTTTAAGTGAGATGTGAAATACTCGGGCTTAACCTGAGTGCTGCATTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAAGGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTGGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2750;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9952),o:"Bacteroidales"(0.9941),f:Bacteroidaceae(0.9666),g:Bacteroides(0.9762);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATATGGGAATAAAGTTTTCGACGTGTGGGATTTTGTATGTACCATATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGCGCGTTATCCGTATTTATTGGGTTTAAAGGGAGCGTAGGTGGACAGTTAAGTCATTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGCTGTCTTGAGTACAGTAGAGGGGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU2752;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Ruminococcaceae(0.2184),g:Oscillibacter(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGGGCGATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGACGGTTTTCGGGTTGTAAACTTCTGTTTTCGGTGAAGAGCAGAAGACGGTACCCCTAGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGTGCAGCCGGGTCTGCAAGTCAGATGTGAAATCCATGGGCTCAACCCATGAACTGCATTTGAAACTGTTGTTCTTGAGTGGCGTAGGGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGAATGCTGGACGATAACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2754;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8628),c:Sphingobacteriia(0.2902),o:"Sphingobacteriales"(0.1249),f:Sphingobacteriaceae(0.0457),g:Parapedobacter(0.0110);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGACGGAAGACGGCCCTATGGGTCTTAAACGTCTTTTGTCCCGGAGCAATAAGAGCCACGCGTGGCCCGATGCGAGTACGGGAAGAACAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGGTTGGTAAGTCAGCCGTGAAATGTCCACGCTCAACGGGGAACGTGCGGTTGATACTGCAGACCTTGAATGCGGATGAGGTGGGAGGAATGTGTGGTGTAGCGGTGAAATGCATAGATATCACAAAGAACACCGATTGCGAAGGCATCTCACGAAGCCGCAATTGACGCTGAGGCACGAAAGCGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU2753;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Lachnospiraceae(0.1872),g:Blautia(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTATCTTGGTATGTAAACTTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGCGTAAAGCGAGCGCAGGCGGTTGCTTAGGTCTGATGTGAAAGCCTTCGGCTTAACCGAAGAAGTGCATCGGAAACCGGGCGACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGCAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGATAACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2755;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8897),o:"Bacteroidales"(0.7623),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0808);

ACGGGAGGCAGCAGTGGGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAGGGAATAAATGTGGGTACGCGTACCCGTTTGCATGTACCTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGCGCTTAAGTAAGCTGTGAAATTTTGGGGCTCAACCTTAAAATTGCAGTTGATATTGGGTGCCTTGAGTGCATATTGGCCAGGCGGAATTCGTGTTTTACCGGTGAAAGGCTTGGAAATCACGAAGAACTCCTATGGGGAAGCCAGCTTCTTGGGGTGTAACTGACGCTGTGGTTCAAAGGTTTGGTTTTCAAACAGATTAGATACCCTGGTA

>OTU2756;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9507),c:Deltaproteobacteria(0.5195),o:Desulfovibrionales(0.2679),f:Desulfovibrionaceae(0.1291),g:Desulfovibrio(0.0230);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGTGGGAACCCTGATGCAGCCATGCCGCGTGAATGAAGAAGGCCTTCGGGTTGTAAAGTTCTTTCGGTGATGAGGAAGGTGTTTGTTTTAATAGAACAAGCAATTGACGTTAGTCACAGAAGAAGCACCGTCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCACGAGTTAATCGGAATCACTGGGCGTAAAGCGCACGTAGGCTGTTATGTAAGTCAGTGGTGAAAGCCCACGGCTCAACCGTGGAACTGCCCTTTATACTGCACGACTCGAATCAGGGAGAGGGTGGCTGAATTCCAGTTGTAGGAGTGAAATCCGTAGATATCTGGAGGAACATCAGTGGCGAAGGCGGCCAACTGGACCGGTATTGACGCTGAGGGGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2746;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Clostridia(0.1159),o:Clostridiales(0.0547),f:Ruminococcaceae(0.0113),g:Saccharofermentans(0.0056);

AAGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTTTTCGGATCGTAAACTTCTATCCTTGGAGAAAATAATGATGGTAGCCAAGAAGGAAGCCACGGCTAACTACGTGACAGCAGCCGCGGTAATACGTAGGGGGAGAGCGCTGTCCGGAATGACTGGGCGTAAAGGGCGTGTAGGCGGCAGTATAAGTCCGGAGTGAAAGTCCTGCTTTCAAGGTGGTAATTGCTTTGGAGACTGTACAGCTTGAGTTCGGAAGAGGTAAGTGGAATTCCCAGTGTAGCGGTTAAATGCGTAGAGATTGGGAGGAACACCAGTGGCGAAGGCGACTTACTGTGCCGTAACTGACGCTGAGGCGCGAATGCGTGGGGAGCGAACAGGATTAGATACCCTGTTA

>OTU2757;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8472),o:Clostridiales(0.6138),f:Clostridiaceae_1(0.2184),g:Clostridium_sensu_stricto(0.0615);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGCAGCCGGGTCTGCAAGTCAGATGTGAAATCCATGGGCTCAACCCATGAACTGCATTTGAAACTGCCAGTCTTGAGTGTCGGAGGGGTAATCGGAATTCCGTGTGTAGCGGTGAAATGCGTAGATATACGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACATTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2759;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Clostridiaceae_1(0.2864),g:Clostridium_sensu_stricto(0.0808);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGGCAGGCAAGTCAGGCGTGAAAGATATCGGCTCAACCGGTAGCTGCGCTTGAAACTGCAGGTCTTGAGTGAAGTAGAGGTTGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU2758;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8331),o:Clostridiales(0.5766),f:Peptostreptococcaceae(0.1872),g:Clostridium_XI(0.0519);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGATCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGGTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCAGAGCAAGTCAGATGTGAAATCCGCGGGCTTAACCCGCGAACTGCATTTGAAACTGTGGATCTTGAGTATCGGAGAGGTAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTGGGAGGAACACCAGTGGCGAAGACGACTTACTGGGCCGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU2760;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Ruminococcaceae(0.0560),g:Clostridium_IV(0.0110);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTAAGAGGGAAGAGCAGAAGACGGTACCTCTAGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAAGTGGGATGTGAAATACCCGGGCTCAACTTGGGGGCTGCATACAATACTGTCGGACTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATCCGTAGATATCTGGAGGAACATCAGTGGCGAAGGCGGCCACCTGGACCGGTATTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGAATTAGATACCCTGGTA

>OTU2761;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Clostridiaceae_3(0.0457),g:Caloranaerobacter(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGGTTTCGGCTCGTAAACCTCTGTCCTATGGGACGAAGGAAGTGACGGTACCATAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGATTGGGCGTAAAGAGTACGTAGGCGGTTATGCAAGCGCGTGGTGAAAGGCATAGGCGTAACCAATGTCAGCCGCGCGAACTGTATGACTTGAGTGCGGGAGAGGAAAGCGGAATTCCTGGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTAACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU2762;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Bacilli(0.5579),o:Lactobacillales(0.2999),f:Lactobacillaceae(0.1291),g:Lactobacillus(0.0230);
ACGGAAGGCAGCAGTAGGGAATCTACCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCCGTTGTTAGAGAAGAACGTGCGTGAGAGCAACTGTTCACGCAGTGACGGTATCTAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGCAGCCGGGTCTGCAAGTCAGATGTGAAATCCATGGGCTCAACCCATGAACTGCATTTGAAAATGTGGATCTTGAGTGTAGGAGGGGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTGGGAGGAACACCAGTGGCGAAGGCGACTTACTGGGCCGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU2765;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Lachnospiraceae(0.2864),g:Eisenbergiella(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAAAGGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGAGTGCGTAGGTGGCTTTGCAAGCGTAGGGTATAAGGCGACAGCCCAACTGTCGTTGGCCCCGCGAACTGTAAGGCTTGAGTACAGGAGGGGAAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGAAACTGACGCCGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2764;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Eubacteriaceae(0.0710),g:Garciella(0.0157);
ACGGAAGGCAGCAGTAGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCCTACGTGACGAAGGAAGTGACGGTAGCATAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGAGTACGTAGGTGGTTTCCTAAGCACAGGGTTTAAGGCTAAGGCTCAACCATAGTTCGCCCTGTGAACTGGGAGACTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU2766;tax=d:Bacteria(1.0000),p:Firmicutes(0.9994),c:Bacilli(0.9897),o:Lactobacillales(0.9707),f:Lactobacillaceae(0.9201),g:Lactobacillus(0.6200);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACGCCGCGTGAAGGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTAGTTATAGAAGAACGTGCGTGAGAGCAACTGTTCACGCAGTGACGGTATCTAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGAGCAGGCGGTTTGATAATTCCTATGTGAAAGCCTTTGGCTTAACCAAAGAAGTGCATCGGAAAATGTCAGATGTGAGTGCAGAAGAGGACAGTGGAACCCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACCCCAGAGGAGAGGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU2767;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Bacilli(0.9180),o:Lactobacillales(0.6881),f:Lactobacillaceae(0.3884),g:Lactobacillus(0.1735);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAATGAAGAAGGGTTTCGGCTCGTAAAACACTGTTGTTGAGGAAGAACGTACGTGAGAGTAAATGTTCACTCATTGACGGTATTCACCCAAAAAGTCACGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGTGCAAGCGTTGACCGGAATTACTGGGCGTAAAGCGAGCGCAGGCGGAATGATAAGTCTGATGTGAAAGCCCACGGCTCAACCGTGGAACTGCATCGGAAACTGTCATTCTTGAGTGCAGAAGAGGAGAGTGGAATTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCGGCAACTGACGCTGAGGCGCGAAAGCATGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU2763;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.5174),c:Actinobacteria(0.2902),o:Coriobacteriales(0.1249),f:Coriobacteriaceae(0.0457),g:Atopobium(0.0110);
GTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGCGTAAAGCGCGCGCAGGCGGTGAATGAAGTCGAAAGTGAAAGCCCCGGGCTCAACTCGGGAACAGCTTTCGAAACCAGTTCACTTGAAGGTGGAAGAGGGAAGTGGAATTCCGAGTGTAGCGGTGGAATGCGCAGATATTCGGAGGAACACCAGAGGCGAAGGCGACTTCCTGGTCCAATCTTGACGCTGAGGCGCGAAAGCTAGGGGAGCAAACAGGATTAGATATCCTGGTAGTCCTAGCTGTAAACGATGGATACTAGGTGTTGGAGGTTTTAACCCCTCCGGTGCCGCAGCTAACGCATTAAGTATCCCGCCTGGGGAGTACGGCCGCAAGGCTAAAACTCAAAGGAATTGACGGGG
>OTU2768;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Clostridia(0.9834),o:Clostridiales(0.9866),f:Ruminococcaceae(0.9852),g:Pseudoflavonifractor(0.7162);
CCGGGAGGCAGCAGTGGTTCCTCTTTTTCCATTTTCTCCCGCCTGACCCAGCAACGCCGCGTGAAGGATGAAGGCTTTCGGGTTGTAAACTTCTTTTATCAGGGACGAATCAAGTGACGGTACCTGATGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGACTGCAAGTCAGGTGTGAAAACCACGGGCTCAACCTGTGGCCTGCAGTTGAAACTGTAGTTCTTGAGTGCTGGAGAGGCAATCG

GAATTCCGTGTGTAGCTGTGAAATGCGTAGATATACGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACAGTAA
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>OTU2769;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Lachn
ospiraceae(0.2864),g:Clostridium_XlVa(0.0808);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
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GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGATGCAA
GTCTGGAGTGAAAGCCCAGGGCTCAACCCTGGGACTGCTTTGGAAACTGTATGGCTAGAGTGCTGGAGAGGTAAGT
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACAGTA
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cillaceae(0.2864),g:Lactobacillus(0.0808);
AAGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
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ACTTGAGTTCAGAATAGGAGAGTGGAACTCCATGCGTAGCGGTGAAACGCGTAGACATATGGAAGAACCCCAGTTG
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623),f:"Prevotellaceae"(0.4914),g:Prevotella(0.0519);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTATGGGTTGTAAACTGCTTTTATGGGGGGATAACGTGCGGCACGCGTGGCGTATTGCAGGTACCGCATGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCCGCTGTTTAAGCGTGTTGTGAAAAGCCGGGGCTCAACTGTGGTCGTGCATCGCGAACTGGACGGCTTG
AGTGCGCGGTAGGTGGGCGGAATTTGTGGTGTAGCGGTGAAATGCTTAGATATCGCGAAGAACTCCGATTGCGAAG
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>OTU2771;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Lachn
ospiraceae(0.3204),g:Clostridium_XlVa(0.0615);
ATGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
TTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCACCGGCTAAATACGTGCCA
GCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGCACCTAA
GTCAGACGTGAAATACCGGAGCTCAACTCCGGGGCTGCGTTTGAAACTGGGTATCTTGAGTGCAGGAGAGGAAAGC

GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTA
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>OTU2773;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9740),o:"Bacteroidales"(0.9
172),f:"Prevotellaceae"(0.8146),g:Prevotella(0.1735);
ACGGGAGGCAGCAGTGAGGAACATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
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>OTU2774;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Rumin
ococcaceae(0.1679),g:Anaerotruncus(0.0230);
ACGGGAGGCAGCAGTGAGGGATATTGGGCAATGGGGGCAACCCTGACCCAGCGACGCCGCGTGAGGGAAGACGGT
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AGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGTGCGCAGACGGTAAGGC
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GCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTG
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>OTU2775;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Clostri
diaceae_1(0.5991),g:Sarcina(0.3479);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGAT
CTTCGGATTGTAAAGCTCTGTCTTTAGGGACGATAATGACGGTACCTAAGGAGGAAGCCACGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATATTTAA
GTGGGATGTGAAATACCCGAGCTTAACTTGGGAGCTGCATTCAAAACTGGTTTACTAGAGTTCAGGAGAGGGAAGC
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37),f:Erysipelotrichaceae(0.7787),g:Solobacterium(0.5239);
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3),f:Spirochaetaceae(0.6350),g:Treponema(0.2607);
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>OTU2964;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Rumin
ococcaceae(0.0710),g:Anaerofilum(0.0157);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGCGCAAACCTGATGCAGCAACGCCGCGTGAGGGAGGACGGT
CTTCGGATTGTAAACCTCTGTCCTTGGGGAAGAAACAAATGACGGTACCCTTGGAGGAAGCCACGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGGACG
GCAAGTTGGATGTGAAAAACTGAGGCTCAACCTCAGTCCTGCATCCAAAACTGTTGTTCTTGAGTGGAGCAGAGGTA

AGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACT
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>OTU2965;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.5174),c:"Bacteroidia"(0.0626),o:"Bacteroidales"(0.0
413),f:"Porphyromonadaceae"(0.0099),g:Barnesiella(0.0046);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATGCCGCGTGAAGGACTAAGGCC
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AGTGCGGGAGCGGTGGGAGGAATGAGGGGTGTAGCGGTGAAATGCGTAGATATCACGAAGAACACCGATTGCGAA
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>OTU2966;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Clostri
diaceae_1(0.6350),g:Clostridium_sensu_stricto(0.4351);
ACGGGAGGCAGCAGTGAGGAATATTGGGCAATGGGGGCAACCCTGACCCAGCCATGCCGCGTGAGTGATGACGGC
CTTCGGGGTTTAAAGCTCCTTTTTCAGGGAGGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCA
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GGAATTCGTGGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGGTTCTCTGGACTGTA
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>OTU2967;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Rumin
ococcaceae(0.0710),g:Clostridium_III(0.0134);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGACGGC
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GCAAGTCAGATGTGAAATCCCGGGGCTTAACCCCGGAACTGCATTTGAAACTGTTTCCCTTGAGTGACGTAGAGGCA
AGCGGAATTTCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTAGACG
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>OTU2969;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8628),c:Sphingobacteriia(0.4045),o:"Sphingobacteri
ales"(0.1719),f:Sphingobacteriaceae(0.0710),g:Parapedobacter(0.0087);
ACGGGAGGCAGCAGTAAGGGATATTGGTCAATGGGCGGGAGCCTGAACCAGCCATGCCGCGTGAGGGATTGAGGC
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GCATCGGCTAACTCCGTGCCAGCAGCCGCGTTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGG
GAGCGCAGACGGGCTGTTAAGTCAGCTGTGAAATGCCGCGGCTCAACCGTGGAATTGCAGTTGATACTGGCGGCCTT

GAGTGCGGTTGAGGCCGGCGGAATGTGGCGTGTAGCGGTGAAATGCATAGATATGCCACAGAACACCGATAGCGA
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>OTU2968;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Betaproteobacteria(0.9733),o:Burkholderi
ales(0.6881),f:Burkholderiaceae(0.4563),g:Polynucleobacter(0.2607);
TTTCCCTCCTCCTCTTTCCTCCGTCTGTTTCCAGCTTTCATCGGAATTACTGGGCGTAAAGCGTGCGCAGGCGGTTATGT
AAGACAGGCGTGAAATCCCCGGGCTTAACCTGGGAATTGCGCTTGTGACTGCATAGCTAGAGTATGTCAGAGGGGG
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>OTU2971;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Lachn
ospiraceae(0.4914),g:Coprococcus(0.3043);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
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GAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTGGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATAA
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>OTU2974;tax=d:Bacteria(0.9450),p:"Bacteroidetes"(0.4311),c:Sphingobacteriia(0.0525),o:"Sphingobacteri
ales"(0.0352),f:Sphingobacteriaceae(0.0086),g:Parapedobacter(0.0039);
ACGGAAGGCAGCAGTGAGGAATATTGGACAATGGATGGAACTCTGATCCAGCCATGCCGCGTGCAGGAAGACGGTC
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>OTU2970;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Clostridia(0.9820),o:Clostridiales(0.9821),f:Eubac
teriaceae(0.9387),g:Eubacterium(0.9705);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCAACGCCGCGTGGAGGAAGACGGT
TTTCGGATTGTAAACTCCTGTTCTTAGTGAAGAAAAATGACGGTAGCTAAGGAGCAAGCCACGGCTAACTACGTGCC
AGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGGGAGC
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319),f:"Prevotellaceae"(0.1679),g:Prevotella(0.0326);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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>OTU2972;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Eubac
teriaceae(0.7428),g:Eubacterium(0.6200);
ACGGGAGGCGGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCAACACCGCGTGGAGGAAGACGGT
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>OTU2975;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9740),o:"Bacteroidales"(0.9
172),f:"Prevotellaceae"(0.7428),g:Prevotella(0.2171);
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>OTU2977;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6036),c:"Bacteroidia"(0.2902),o:"Bacteroidales"(0.1
249),f:"Porphyromonadaceae"(0.0457),g:Parabacteroides(0.0056);
ACGGAAGGCAGCAGTGGGGGATATTGCGCAATGGGGGAAACCTGGAGCCACAAAGCCGCGTGGACGGTTGAAGTC
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>OTU2976;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:"Bacteroidia"(0.2321),o:"Bacteroidales"(0.1
015),f:"Porphyromonadaceae"(0.0355),g:Barnesiella(0.0087);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGACGCAACCCTGACCCAGCCATGCCGCGTGAAGGACTAAGGCC
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412),f:"Prevotellaceae"(0.5273),g:Prevotella(0.1299);
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ales(0.2679),f:Comamonadaceae(0.1291),g:Limnohabitans(0.0181);
GTGTCAGCAGCCGCGGTAATACGTAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGTGCGCAGGCGGTT
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0.9984),f:Mycobacteriaceae(0.9480),g:Mycobacterium(0.9724);
GTGCCAGCAGCCGCGGTAATACGTAGGGTGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGAGCTCGTAGGTGGTT
TGTCGCGTTGTTCGTGAAATCTCACGGCTTAACTGTGAGCGTGCGGGCGATACGGGCAGACTGGAGTACTGCAGGG
GAGACTGGAATTCCTGGTGTAGCGGTGGAATGCGCAGATATCAGGAGGAACACCGGTGGCGAAGGCGGGTCTCTG
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>OTU2983;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Lachnospiraceae(0.3204),g:Clostridium_XlVa(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGAGAGTGAAGAAGTATTTCGGTACGTAAAGCTCTATTAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGAGGGCAGTGCAAGTCTGAAGTGAAATCCCGGGGCTTAACCCCGGAACTGCTTTGGAAACTGTGCAGCTGGAGTGCAGGAGATGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTATCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2982;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Gracilibacteraceae(0.1098),g:Lutispora(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGGCCTTCGGATTGTAAACTTCTTTGACGAGGGAAGACAATGACGGTACCTCGAGAACAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCCGTTAAGTCTGGAGTGAAAGTCCTGCTTTCAAGGTGGGAATTGCTTTGGATACTGATGGGCTGGAGTGCAGGAGAGGAAAGCGGAATTACCGGTGTAGCGGTGAAATGCGTAGAGATCGGTAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGAAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2984;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9671),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.5766),f:Bacteroidaceae(0.3544),g:Bacteroides(0.1299);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGTCCTATGGATTGTAAACTGCTTTTTTCGGGGAATAATAAGACTTTTGCGAAGGTTGATGCAGGTACCCGAAGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGGTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGTCAGTCTTGAGTACAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTCTAACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2981;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Ruminococcaceae(0.4563),g:Ruminococcus(0.0904);
ACGGAAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAAGGATGAAGGTTTTCTGATTGTAAACTTCTTTTATTAAGGACGAAAAAATGACGGTACTTAATGAATAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGTGTAGGCGGCTAAGCAAGTCAGATGTGAAATCTATGGGCTCAACCCGTAACTTGCGCTTGAAACTGTTTCCCTTGAGTGTCGGAGAGGTAAATGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU2985;tax=d:Bacteria(1.0000),p:"Fibrobacteres"(0.9993),c:"Fibrobacteria"(0.9882),o:"Fibrobacterales"(0.9939),f:"Fibrobacteraceae"(0.9900),g:Fibrobacter(0.9929);

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>OTU2988;tax=d:Bacteria(1.0000),p:"Fibrobacteres"(0.9989),c:"Fibrobacteria"(0.9805),o:"Fibrobacterales"(0.9775),f:"Fibrobacteraceae"(0.9852),g:Fibrobacter(0.9799);

ACGGAAGGCAGCAGTAGGGAATATTGCACAATGGGGGGAACCCTGATGCAACAACGCCACGTGTGGGAAGAAGCATTTCGGTGTGTAAACCACTGTCGTGAGGGAATAAGGCTATTTTTCGGAGCAGTTGAATGTCCGCTGAGTGGAAGCACCGGCAAACTTCGTGCCAGCAGCCGCGGTAATACGAGGGGTGCAAGCGTTGTTCGGAATCACTGGGCGTAAAGGGAGCGCAGGCGGAAGCTCAAGCGGAATGTACAATACCGGGGCCTAACCCCAGAGCTGCAGTCCGAACTGGGTTTCTAGAGTAGATCAGAGGAAAGCGGAATTCCTGGTGTAGCGGTGGAATGCGTAGAGATCAGGAAGAACACCGATGGCGAAGGCGGTTTGCTGGAGACTTATCGACGCTCATGCTCGAAAGTGCGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU2986;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Ruminococcaceae(0.0355),g:Clostridium_IV(0.0087);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATCGTAAACCTCTGTTGTAGGGGACGAGGAAAAGACGGTACCCTACGAGGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGTGTAGGCGGCAGTATAAGTCTGGAGTGAAAGTCCTGCTTTTAAGGTGGGAATTGCTTTGGAAACTGGATGGCTTGAGTGCAGGAGAGGTAAGCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGCTGTCTAGCTTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU2987;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Clostridiaceae_1(0.3884),g:Clostridium_sensu_stricto(0.1735);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGTCTTCTGATTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAATTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGTAGCGTAGGCGGACTTTTAAGTGAGATGTGAAATACTCGGGCTTAACCTGAGGGCTGCATTTCAAACTGGAAGTCTAGAGGGCAGTAGAGGAGAAGGGAATTCCTATTGTAGCGGTGACATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGCTTCACTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU2989;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Bacilli(0.2902),o:Bacillales(0.1249),f:Paenibacillaceae_1(0.0457),g:Paenibacillus(0.0110);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTTTTCGGATCGTAAACTTCTATCCTTGGTGAAGATAATGACGGTAGCCAAGAAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGATTGGGCGTAAAGGGTGAGTAGGCGGGCTGACAAGTCAGATGTGAAATGTTCGGGCTTAACCTGAGAACTGCATTTGAAACTGCCAGTCTTGAGTGTCGGAGGGGTAATCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGAAACTGGCGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2990;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Eubacteriaceae(0.0457),g:Eubacterium(0.0110);

ACGGAAGGCAGCAGTGGGGATTATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGGTCTCGGCTCGTAAACCTCTGTCCTATGGGACGAAGGAAGTGACGGTACCATAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGAATTATTGGGCGTAAAGAGTACGTAGGTGGTTTCCTAAGCATGGGGTTTAAGGCAACGGCTTAACCATTGTTCGCCCCATGAACTGGGTTACTTGAGTGCTGGAGGGGAAAGCGGAATTCCAAGTGGAGCGGTGGAATGCGTAGATATTTGGAGGAACACCAGTGGCGAAGGCGACTTACTGGGCTGGGACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTAGTA

>OTU2991;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Peptococcaceae_2(0.0355),g:Desulfotomaculum(0.0087);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGGTTTCGGCTCGTAAACCTCTGTCCTATGGGACGAAGGAAGTGACGGTACCATAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATGCGTAGGGGGCGAGCGTTTTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCCGTTAAGTCTGGAGTGAAAGTCCGGCTTGCAAGGTGGGAATTGGTTTGGATAATGAGGGGCTGGAGTGGAGGGGGGGAAAGCGGAATTACCGGGGTAGCGGTGAAATGCGTAGAAATCGGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGAATCTGACGCTGAGGCGCGAAAGGGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2992;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9755),o:Clostridiales(0.9389),f:Clostridiaceae_1(0.5991),g:Clostridium_sensu_stricto(0.3043);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCTTTCGGGTTGTAAAGTTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGAAGATTAAGTGGGATGTGAAATACCCGGGCTCAACCTGGGTGCTGCATTGCAAACTGGTTATCTAGAGTACAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCGGTGGCGAAGGCGGCTCACTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU2993;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Lachnospiraceae(0.4224),g:Blautia(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTATTTCGGTATGTAAACTTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGTCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGTGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCAGGGCAAGCCAGATGTGAAAGGCGAGGGCTCAACCCCCGGACTGCATTTGGAACTGTCCGGCTGGAGTGTTGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACAATAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2994;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Bacilli(0.5579),o:Lactobacillales(0.2999),f:Lactobacillaceae(0.1485),g:Lactobacillus(0.0326);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGCAGCAAGTCAGAAGTGAAATCCATGGGCTTAACCCATGAACTGCTTTTGAAACTGTTGCCCTTGAGTATCGGAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGATTACTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2995;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Ruminococcaceae(0.2184),g:Clostridium_III(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGACGAAGGTCTTCGGATCGTAAACTTTTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGTTTTTAAGTCAGATGTGAAATCCCTCGGCTCAACTGAGGAACTGCATTTGAAACTGCTGATCTTGAGTGTCGGAGAGGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTCTAACTGACGCTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU2996;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Lachnospiraceae(0.2864),g:Blautia(0.0615);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGAGGAAACTCTGATGCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTTTTTGGTGAAGAAAGAAATGACGGTAGCCGAAGAGTAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTATGGCAAGTCTGATGTGAAAGGCTGGGGCTCAACCCCGGGACTGCATTGGAAACTGTCGGACTAGAGTGCCGGAGGGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGGGCAAACAGGATTAGATACCCTGGTA

>OTU2998;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9835),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.3959),f:"Porphyromonadaceae"(0.1098),g:Parabacteroides(0.0157);

ACGGGAGGAAGAAGGGAGGAATAGTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGGGGGACGAAGGCCCTACGGGTTGTAAACCTCTTTTATAAGGGAATAAAGGACATCACGTGTGATGTTTTGCATGTACCTTATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAACACGGAGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGTGGCTTGTTAAGTCAGCGGTGAAAGTCAGTGGCTCAACCATTGAATTGCCGTTGAAACTGGCGAGCTTGAGTACGTACGGGGCAGGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGCGGAACCCCGATCGCGAAGGCAGCCTGCCAGGCCGTGACTGACCCTGATGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU2997;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Ruminococcaceae(0.2524),g:Clostridium_IV(0.0712);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTAAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGATGGCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGTGTAGGCGGTATAGTAAGTTGAATGTGAAAGGTAAGGGCTCAACCCTTAGAGTGCGTTCAAAACTGCAATACTTGAGTGAAGTAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTTTTACTGACGCTGAGGCTCGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU2999;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Negativicutes(0.8755),o:Selenomonadales(0.7252),f:Veillonellaceae(0.5273),g:Mitsuokella(0.0904);

ACGGGAGGCAGCAGTGGGGAATCTTCCGCAATAGGCGAAAGCCTGACGGAGCAACGCCGCGTGAGTGAAGAAGGTCTTCGGATCGTAAAGCTCTGTTGTCGGGGACGAATGTACCTTTTGTGAATAATGAGAGGTAATGACGGTACCTGACGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAACGTTGTCCGGAATTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCCTCGGCTTAACCGAGGAACTGCATCGGAAACTGTTTTTCTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU3000;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Lachnospiraceae(0.7787),g:Coprococcus(0.6200);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGTCGCGTGAGCGAAGAAGTATTTCGGTATGTAAAGCTGTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAATCACCGGCTAAATACGTGCCAGCAGCCGCGGTTATATGTATGCTGCCACGGTTATCCGGATTTACTGGGTGTAAAGGGAGTGTAGACGGCTGTGTAAGTCTGAAGTGAAAGCCCGGGGCTCAACCCCGGGACTGCTTTGGAAACTATGCAGCTAGAGTGTCGGAGAGGTAAGTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTGGGAGGAACACCAGTGGCGAAGGCGGCTTACTAGACGATAACTGACGTTGAAGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU3002;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Bacilli(0.9719),o:Lactobacillales(0.8303),f:Lactobacillaceae(0.5632),g:Lactobacillus(0.3479);
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>OTU3001;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Clostridiaceae_1(0.2524),g:Clostridium_sensu_stricto(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGTTTTCGGATCGTAAAGCTCTGTCTTTGGGGAAGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGCACGCAGGCGGTTTGTTAAGTCAGATGTGAAATCCCCGGGCTCAACCTGGGAACTGCATCTGATACTGGCAAGCTTGAGTCTCGTAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCGGTAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGAAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
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>OTU3004;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.6138),f:"Porphyromonadaceae"(0.2524),g:Parabacteroides(0.0519);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTCGCGTGAAGGATGAAGGCCCTATGGATTGTAAACTTCTTTTATGGGGGAATAAAGTCCGGGACGTATCCTGTTTTGTATGTACCTCATGAATAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGCCTTTTAAGCGTGCGGTGAAAGGTTGTGGCTCAACCATAGAATTGCCGTGGGAACTGGGGGTCTTGAGTGTGTGTGGGGCAGGCGGAATGTGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACTCCGATCGCGAAGGCAGCTTACGAAGCCATGACTGACGCTGAAGCACGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU3005;tax=d:Bacteria(0.0041),p:"Tenericutes"(0.0000),c:Mollicutes(0.0000),o:Mycoplasmatales(0.0000),f:Mycoplasmataceae(0.0000),g:Mycoplasma(0.0000);
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>OTU3006;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9605),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.6138),f:"Porphyromonadaceae"(0.2524),g:Parabacteroides(0.0423);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAAGGATGAAGGTTCTATGGATTGTAAACTTCTTTTATTCGAGGGTAAAGTGAGGTACGTGTACCTTATTGCAAGTATCGAATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTCATTGGGCTTAAAGGGTGCGTAGGTGGCTTGTTAAGTCAGCGGTGAAAGTCAGTGGCTTAACCATTGAATTGCCGTTGAAACTGGCGAGCTTGAGTACGTACGGGGCAGGCGGAATGCGTGGTGTAGCGGTGAAATGCTTAGATATGTCACAGAACCCCGATTGCGAAGGCAGCTTACCAGGATACGACTGACGCTGAGGCACGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA
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AGGGAAGGAAGAAGGGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATCGTAAACCTCTGTTGCAGGGGACGAGCAGTAGACGGTACCCTGCGAGGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGCGTAGGTGGTTTTGTAAGTCTGGAGTGAAACCCCCGGTTTCAAGGCGGGGCCTGCTTTGGAGACTGCAGGACTTGAGTGATGGAGAGGATAGCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGCTATCTGGACATAGACTGACACTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
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ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGACGCAAGTCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTAAGGGGGAAGAGCAGAAGACGGTACCCCTTGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGATGCAAGTTGGGAGTGAAATCCCGGGGCTCAACCCCGGAACTGCTTTCAAAACTGTATCCCTTGAGTATCGGAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
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039),f:"Prevotellaceae"(0.0252),g:Prevotella(0.0076);
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acterales(0.1249),f:Syntrophaceae(0.0457),g:Desulfomonile(0.0110);
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ococcaceae(0.2524),g:Hydrogenoanaerobacterium(0.0326);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGATGCCGCGTGAATGATGACGGC
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cillaceae(0.1291),g:Lactobacillus(0.0230);
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ospiraceae(0.5991),g:Clostridium_XlVa(0.3043);
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629),f:"Prevotellaceae"(0.5991),g:Prevotella(0.1735);
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483),f:"Porphyromonadaceae"(0.0560),g:Porphyromonas(0.0110);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGT
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389),f:"Prevotellaceae"(0.8864),g:Prevotella(0.3915);
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319),f:"Porphyromonadaceae"(0.1679),g:Barnesiella(0.0230);
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ales"(0.0781),f:Sphingobacteriaceae(0.0252),g:Parapedobacter(0.0076);
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diaceae_1(0.5273),g:Clostridium_sensu_stricto(0.2607);
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diales_Incertae_Sedis_XIII(0.0560),g:Mogibacterium(0.0134);
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280),f:Bacteroidaceae(0.2524),g:Bacteroides(0.0712);
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719),f:Bacteroidaceae(0.0355),g:Bacteroides(0.0087);
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509),f:"Porphyromonadaceae"(0.3884),g:Barnesiella(0.0712);
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291),f:"Marinilabiaceae"(0.0059),g:Anaerophaga(0.0035);
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diaceae_1(0.3204),g:Clostridium_sensu_stricto(0.0904);
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ospiraceae(0.5273),g:Roseburia(0.1735);
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ales"(0.0547),f:Sphingobacteriaceae(0.0149),g:Parapedobacter(0.0056);
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ospiraceae(0.0904),g:Blautia(0.0134);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGT
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GAGCGTAGACTGTCCGGCAAGTCGGCTGTGAAAGGCAGGGTCTCAACTCCTGGACTGCATTGGAAACTGTCGGACTT
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039),f:"Porphyromonadaceae"(0.0457),g:Parabacteroides(0.0110);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTGAGCCTGAACCAGCCAGGTCGCGTGAGTGACGAAGGC
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ococcaceae(0.4563),g:Clostridium_IV(0.0423);
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6),f:Spirochaetaceae(0.3884),g:Treponema(0.0519);
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acteriales"(0.5395),f:Enterobacteriaceae(0.3544),g:Escherichia/Shigella(0.0808);
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ales(0.9280),f:Chromatiaceae(0.9108),g:Rheinheimera(0.9085);
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ococcaceae(0.0904),g:Clostridium_III(0.0181);
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teriaceae(0.1679),g:Eubacterium(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGT
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023),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0326);
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>OTU3056;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Lachn
ospiraceae(0.1679),g:Lachnospiracea_incertae_sedis(0.0326);
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1),f:Spirochaetaceae(0.4914),g:Treponema(0.2171);
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0.6881),f:Coriobacteriaceae(0.4914),g:Collinsella(0.1735);
AAGGGAGGAAGAAGGGGGGAAGAGGGAAAAAGGGGGGAACGCCTGATGCAGCAACGCCGCGTGAAGGAGGAAG
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291),f:"Rikenellaceae"(0.0073),g:Alistipes(0.0039);
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319),f:"Prevotellaceae"(0.1679),g:Prevotella(0.0423);
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ospiraceae(0.0113),g:Blautia(0.0056);
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CGTCAGTTTTTGACCGAATCGTTCGTTGATGGCGAACGGTCGCCCAGTCAGCGCTTCTCGAGCTGCGCAAGGATAGGTCGAATTTTCTCATTTTCCGCCAGCAGTCCACTTCGATTTAATTCGTAAACAAGCAGTAGTAATTCCTGCTTTATCAAGATAATTTTTCGACTCATCAGAAATATCCGAAAGTGTTAACTTCTGCGTCATGGAAGCGATAAAACTCTGCAGGTTGGATACGCCAATCATTTTTAGCGAAGCGCGCATAAATTTGAGCAGATTTGTCGTCACAGGTTGCGCCGCCAAAACGTCGGCTACAGGAACTTTTCCCAGCCTCAGTCTCAGCTCTCGTTTTGCGTGCTGCTTCA
>OTU3071;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Lachnospiraceae(0.1679),g:Coprococcus(0.0326);
ACGGGAGGCAGCAGTAAGGGATATTGGTCAATGGGCGGGAGCCTGAACCAGCCATGCCGCGTGAGGGAATGAGGCCCTACGGGTCGTAAACCTCTTTTGCCGGGGGATAACGGGCGCCACGGGTGGCGCCGTGAAGGTACCCGGAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGCGGAGCAAGTCAGAAGTGAAAGCCCGGGGCTCAACCCCGGGACGGCTTTTGAAACTGCCCTGCTTGATTTCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3073;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachnospiraceae(0.3204),g:Blautia(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGGGAAACCCTGATCCAGCGACGCCGCGTGAGTGAAGGAGTATTTCGGTATGTAAAGCTCTATCAGCAAGGAAGAAAATGACGGTACTTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGATGGACAAGTCTGATGTGAAAGGCTGGGGCTCAACCCCGTGACTGCATTGGGAACTGCCCGTCTTGAGTTCCGGAGAGGTAAGCGTAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGCACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU3076;tax=d:Bacteria(0.0024),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Clostridiales(0.0000),f:Peptostreptococcaceae(0.0000),g:Proteocatella(0.0000);

AGAGCTTGATGCGGTTATCCATCTGCTTATGGAAGCCAAGCATTGGGGCTTGAGAACGCGTCGAACTGCCACAAGCC
TCCATAGCCGGTTTAAGAGCCTCGATACGCTCAAAGTCAAAATAATCAGCGTGACATTCAGAAGGGTAATAAGAACG
AACCATAAAAAAGCCTCCAAGATTTGGAGGCATGAAAACATACAATTGGGAGGGTGTCAATCCTGACGGTTATTTCCT
AGACAAATTAGAGCCAATACCATCAGCTTGACCGGCTTTCCAGAAATTGTTCCAAGTAGCGGCAACAGCTGTATCAGT
ACCAGGAAAAATATCAACCACACCAGAA

>OTU3074;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9168),c:"Bacteroidia"(0.4045),o:"Bacteroidales"(0.1719),f:"Prevotellaceae"(0.0560),g:Prevotella(0.0134);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGAAGTCTGAACCAGCCAAGTCGCGTGCAGGAAGACGGC
CCTATGGGTTGTAAACTGCTTTTGTACGAGGATAAACTCTGCCACGTGTACCCTATTGCAAGTACCCTATGAATAAGG
ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGT
GCGTAGGCGGTCTTATAAGCGTGATGTGAAATGTTAGGGCTTAACCCTGGCATTGCAGCGCAAACTGTTAGACTAGA
GTGTAGATGAGGTAGGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGAGATCACGAAGAACTCCGATTGCGAAG
GCAGCTTGCTGAACTATAACTGACGTTGAAGCTCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU3075;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Bacilli(0.5579),o:Lactobacillales(0.2999),f:Lactobacillaceae(0.1485),g:Lactobacillus(0.0326);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
TTTCGGCTCGTAAAACTCTGTTGTTGAAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATTCAACCA
GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGT
AAAGGGAGCGTAGACGGCTTTGCAAGCCAGATGTGAAAGCCCGGGGCTCAACCCCGGGACTGCATTTGGAACTGTA
ATGCTAGAGTGTCGGAGAGGCAAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGAGATATGGAGGAACACCAGT
GGCGAAGGCGGCTTCCTGGTCTGTAACTGACACTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTG
GTA

>OTU3077;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3319),f:"Prevotellaceae"(0.1679),g:Prevotella(0.0204);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
CCTATGGGTTGTAAACTGCTTTTATAAGGGAATAAAGTGGGTCACGTGTGACTTTTTGCATGTACCTTATGAATAAGG
ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGACGGCAGAGCAAGTCTGATGTGAAAGCCCGGGGCCCAACCCCGGAACTGCATTGGAAACTGTTCGGCTGG
AGTGCAGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATGTCACAGAACCCCGATTGCGAAG
GCATCTCACGAATCCGTTATTGACGCTGAGGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU3078;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Lachnospiraceae(0.2524),g:Clostridium_XlVa(0.0712);

ACGGAAGGCAGCAGTGGGGAATATTGTACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
TCTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAACGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGATGATTAA
GTGGGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCAGTCCAAACTGGTTATCTAGAGTGCAGGAGAGGAGAGT
GGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGGGGCGAAGGCGGCTTGCTGGACGAT
GACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3081;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.6
138),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0519);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
CCTATGGGTTGTAAACTTCTTTTATGTGGGAATAATGTGACGCACGCGTACCGTATTGCATGTACCTCATGAATAAGC
ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCGGGTAGTTAAGTCAGCGGTAAAATGTCAGGGCCCAACCTTGGCATGCCGTTGATACTGGCAGTCTTGAA
TGCGCCCAAGGAAGGTGGAATTCGTCATGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGC
AGCCTTCTGGAGTGCTATTGGCGCTGAGGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU3080;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Gracili
bacteraceae(0.0710),g:Lutispora(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGG
GTTTCGGCTTGTAAACCTCTGTTCTATGGGACGAAGGAAGTGACGGTACCATAGGAGGAAGCCCCGGCTAACTACGT
GCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGATTGATTGGGCGTAAAGGGCGCGTAGGCGGCCT
GTTAAGTCTGGAGTGAAAGTCCTGGGTTCAAGGTGGGACTTGCTTTTGAAACTGATGTGCTGGAGTACAGGAGAGG
GAAGCGGAATTACCGGTGTAGCGGTGAAATGCGTAGAGATCAGTAGGAACACCAGTGGCGAAGGCGGCTTTCTGGA
CAGAAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3079;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9762),o:Clostridiales(0.9497),f:Clostri
diaceae_1(0.6709),g:Clostridium_sensu_stricto(0.4351);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGTGATGACGGT
CTTCGGATTGTAAAACTCTGTCTTCAGGGACGATGATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGCGCGAAGGGAGCGTAGGCGGATATTTAA
GTGGGATGTGAAATCCTCGGGCTCAACCCGAGTGCTGCATTCCAAACTGGATATCTAGAGTGCAGGAGAGGAAAGG
AGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAATACCAGTGGCGAAGGCGCCTTTCTGGACTGTA
ACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3082;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Rumin
ococcaceae(0.0710),g:Intestinimonas(0.0157);

ACGGGAGGCGGCAGTGGGGAATCTTCCGCAATGGGCGAAAGCCTGACGGAGCAACGCCGCGTGAGTGAAGAAGGT
TTTCGGATCGTAAAGCTCTGTTGTCAGGGACGAGAGAGTCTGTCAGGAAATGGGCAGGCTAGGACGGTACCTGGCG
AGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGTTAATACGTAGGTGGCGAGCGTTGTCCGGAATTACTGGGTGT
AAAGGGAGTGTAGGCGGGATTGCAAGTCAGATGTGAAATTTATGGGCTTAACCCATAACCTGCATTTGAAACTGTAA
TTCTTGAGTGTTGGAGAGGCAGGCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACATCGGTG
GCGAAGGCGGCCTGCTGGACAATAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTG
GTA

>OTU3084;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9933),c:"Bacteroidia"(0.9604),o:"Bacteroidales"(0.8
629),f:"Prevotellaceae"(0.5273),g:Alloprevotella(0.3043);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTCCGGGTTGTAAACTGCTTTTAGTTGGGAATAAAAAAGGTGACGTGTCATCTATTGTATGTACCATCAGAAAAAGG
ACCGGCTAATTCAGTGCCAGCAGCCGCGGTAATACGGAAGGTCCAGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGTGGACTGTCAAGTCAGCTGTGAAATCCGCGGGCTCAACCTGCGGCCTGCAGTTGAAACTGGCGGTCTTGA
GTCCGTTCAGGGATGCTGGAATTCATGGTGTAGCGGTGAAATGCTCAGATATCATGAAGAACTCCGATCGCGAAGGC
AGATTCCCGGAGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU3083;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Bacilli(0.6730),o:Lactobacillales(0.3959),f:Lactoba
cillaceae(0.2184),g:Lactobacillus(0.0615);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGTCTAATGGAGCAACACCGCGTGAGTGAAGAAGGG
TTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCA
GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTA
AAGGGTGTGTAGGCGGGAAAGTGGGTCAGATGTGAAATACCAAGGCTAAACCATGGAGCTGCATTTGAAACTGCTT
TTCTTGAGAGTGGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTG
GCGAAGGCGGCTTGCTGGCCGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTG
GTA

>OTU3086;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8755),o:"Bacteroidales"(0.7
252),f:Bacteroidaceae(0.2864),g:Bacteroides(0.0808);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGACGGAAGACTGC
CCTATGTGTTGTAAACTTCTTTTATAAGGGAATAAAGTGCACCACGTGTGGTGTTTTGTATGTACCTTATGAATAAGGA
TCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGTAGGCGGCAGGTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGCCTGCTTGAG
TGCGGCAGAGGCAGGCGGAATTTGTGGTGTAGCGGTGAAATGCTGAGATATCACGAAGAACTCCGAGTGCGACGGC
ATCTTCACGCAGCGCAACCGACGCGCACGCCCGAACGAGCGAGGATAACAGAGGATTAGATACCCTGGTA

>OTU3085;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9740),o:"Bacteroidales"(0.9172),f:"Prevotellaceae"(0.7787),g:Prevotella(0.3915);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGAAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATGTGGGAATAAAGTCAGGGACGTGTCCCTGTTTGCATGTACCACAGGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTTATAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGTGAGACTTGAGTGCGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTGACGGTAGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU3087;tax=d:Bacteria(1.0000),p:Firmicutes(0.2586),c:Clostridia(0.1159),o:Clostridiales(0.0547),f:Ruminococcaceae(0.0149),g:Oscillibacter(0.0056);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAGGCCTACCCCGGCGACGCCGCGTGAGGGAGGAAGGTCTTCGGATTGTAAACCTTTGTAGCCAGGGACGAAGAAATGCCGGTCCCTGTAAAGTAAGCACCGCCTAACTACGTGCCAGCAGCCGCGGTAATCCGTAGGGGGCAAGCTTTATCCGGATTTATTGGGTGTAAAGGGTGAGTAGGCGGGCTGACAAGTCAGATGTGAAATGTTCGGGCTTAACCTGAGAACTGCATTTGAAACTGCCAGTCTTGAGTGTCGGAGGGGTAATCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGATTACTGGACGACAACTGACGCTGATACACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3089;tax=d:Bacteria(0.0058),p:"Acidobacteria"(0.0000),c:Acidobacteria_Gp3(0.0000),g:Gp3(0.0000);
TTGCCCGGCGTACGGGGCGGGACGTCCATAGTCACACAGTCCTTGACGGTCTAATACCCCCCATCATGGCGACCATCCAAAGGATCAACATCCTAGGCAGTCGGGAGGGTAGTCGGAACCGAAGAAGACTCAAAGCGAACCAAACAGGCAAAAAATTTAGGGTCGGCATCAAAAGCAATATCAGCACCAACAGAAACAACCTGATTAGCGGCGTTGACAGATGTATCCATCTGAATGCAATGAAGAAAACCACCATTACAAGCATGAACCGTCAAACGAGAAAAATATAACGTTGACGATGTAGCTTTAGGTGTCTGTAAAACAGGTGCAGAAGAAGCTGGAGGAACAGAAGTGA
>OTU3088;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Clostridiaceae_1(0.2184),g:Clostridium_sensu_stricto(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGAGGGGTGCAAGCGTTGTTCGGAATCACTGGGCGTAAAGGGAGCGTAGGCGGGCCGCCAAGCGTTCTGTGCAATCCCGGGGCCCAACCCCGGACCCGCAGAGCGAACTGGCGTCCTTGAGTGGTTCAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3090;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9605),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.5766),f:"Prevotellaceae"(0.2524),g:Alloprevotella(0.0519);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTCCGGGTTTTAAATTGCTTTTAGTTGGGAATAAAAAAGGCGACGTATCGCCTATTGTATGTACCATCAGCAAAAGG
ACCGGCTAATTCCGTGCCAGCCGCCGCGGTAATACGGAAGGTCCAGGCGGTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCGGAGGATTAAGTCAGCGGTAAAATCTTGCGGCTCAATCGTACCTGGCCGTTGATACTGATTGTCTTGAG
TGTACACAGGGATGCTGGAATTCGTCGTGTAGCGGTGAAATGCGTAGATATGACGAAGAACTCCGATCGCGAAGGC
AGGTGTCCGGGGTACTACTGACGCTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU3091;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8448),c:"Bacteroidia"(0.4812),o:"Bacteroidales"(0.2
359),f:"Prevotellaceae"(0.0560),g:Prevotella(0.0087);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGC
CCTAGAGGTTGTAAACTGCTTTCAGTCGGGAATAATTCGCCGGTCGTGACCGATGTTGCCGGTACCGTCATAAGAAG
GACCGGCTAATTCCGCGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGTGGACTGTCAAGTCAGTTGTGAAATCCGCGCGCTCAACCTGCGAGCTGCTGTTGAAACTGGCGATCTTG
AGTCCGTACAGGGATGCTGGAATTCATGGTGTAGCGGTGAAATGCTCAGATATCATGAAGAACTCCAATCGCGAAGG
CGGGCATCCGGGCCGGAACTGACACTGAGGCTCGAAGGTGCGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU3093;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachn
ospiraceae(0.2524),g:Ruminococcus2(0.0712);
ACGGGAGGCAGCAGTGTGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
TTTCGGTATGTAAAGCTTTATCAGCAGGGGAGAAAATGACGGTACCTGAGTAAGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGCAATGCGTAGGGGGCAAGCGTAATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAAAGGCA
AGTCTGATGTGAAAATCCGGGGCTCAACCGCGGAACTGCATTGGATACTGTTTTTCTTGAGTACCGTAGAGGTAAGC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAATGGCGAAGGCAGCTTACTGGACGGTA
ACTGACGTTGAGGCTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU3092;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9867),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3
319),f:"Prevotellaceae"(0.1485),g:Prevotella(0.0181);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGTAAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTGAGGGATGTATCCCTTTTTGCAGGTACCGCATGAATAAGG
ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTCATTGGGTTTAAAGGGT
GCGTAGGCGGCTTTGCAAGTCAGCGGTGAAAGGCCCGGGCTCAACCCGGAAAGTGCCGTTGAAACTGGTGTGCTTG
AGTGCGTGCGAGGGAGGCGGAATGCGTTGTGTAACGGTGAAATGCATAGATATGACGCAGAACTCCGATTGCGAAG
GCAGCTTTCCAGCACGCCACTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAAGATTAGATACCCTGGTA
>OTU3094;tax=d:Bacteria(0.0041),p:Firmicutes(0.0000),c:Bacilli(0.0000),o:Lactobacillales(0.0000),f:Enteroc
occaceae(0.0000),g:Enterococcus(0.0000);

TCCTGACGGTTCTTTCCTAGACACATTAGAGCCAATACCATCCGCTTTCCCTTCTTTCCCGACATTGTTCCAAGTATCGG
CAACAGCTTTATCCATACCATGAAAAATATCAACCACACCAGAAGCAGCATCAGTGACGACATTAGAAATATCCTTTG
CAGTAGCGCCAATATGAGAAGAGCCATACCGCTGATTCTGCGTTTGCTGATGAACTAAGTCAACCTCAGCACTAACCT
TGCGAGTCATTTCTTTGATTTGGTCATTGGTAAAATACGGACCAGCCGTGTGAGCTTGAGTAAGCATTTGGCGCATAA
TCTCGGAAACCGGCTGGTGCTTGGAAAGATTGGTG
>OTU3095;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:"Bacteroidia"(0.1740),o:"Bacteroidales"(0.0
781),f:Bacteroidaceae(0.0149),g:Bacteroides(0.0066);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGATATTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCC
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CCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGACGGTCCGTGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGTAGGTGGCCTGGTAAGTCAGAGGTGAAATGTACGCGATCAACGAGGAAAGTGCAGTTGATACTGGGGGGCTTGA
ATGCGGAAGCAGTGGGAGGAATGTGTGGTGTAGCGGTGAAATGCATAGATATCACAAAGAACACCGATTGCGAAG
GCAGCTGACGAATCCGCGATTGACGCTGATGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA
>OTU3098;tax=d:Bacteria(0.0041),p:"Proteobacteria"(0.0000),c:Deltaproteobacteria(0.0000),o:Myxococcal
es(0.0000),f:Polyangiaceae(0.0000),g:Jahnella(0.0000);
TCTTAGCCATCCTTTATCCTCCAGTCCGGGGCCGAAGCCCCTGCAATTAAAATTGTTGACCACCTACATACCAAAGACG
AGCGCCTTTACGCTTGCCTTTAGTACCTCGCAACGGCTGCGGACGACCAGGGCGAGCGCCAGAACGTTTTTTACCTTT
AGACATTACATCACTCCTTCTGCACGTAATTTTTGACGCACGTTTTCTTCTGCGTCAGTAAGAACGTCAGTGTTTCCTGC
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TTCAGCGCCTTCCATGATGAGACAGGC
>OTU3097;tax=d:Bacteria(0.0041),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Clostridiales(0.0000),f:Lachn
ospiraceae(0.0000),g:Cellulosilyticum(0.0000);
GTCATCCCCGCTCTTTTCAAATGTCACCAAGAGAATCTCTCCCATGACCAACATGTGACTCCTATCTAAACCAGTCCTTG
ACGAACGTGCCACGCATATTAAGCCACTTCTCCTCATCCAACGCGTCAGTTTTTGACAGAATCGTTAGTTGATGGCGA
AAGGTCGCAAAGTAAGAGCTTCTCGAGCTGCGCAAGGATAGGTCGAATTTTCTCATTTTCCGCCAGCAGTCCACTTCG
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TTAACTTCGGCGTCATGGAAGCGATAAAACTCTG
>OTU3096;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Negativicutes(0.4812),o:Selenomonadales(0.235
9),f:Veillonellaceae(0.1098),g:Selenomonas(0.0204);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAAGGATGAAGGT
TCTATGGATTGTAAACTTCTTTTATTCGAGGGTAAAGTGAGGTACGTGTACCTTATTGCAAGTATCGAATGAATAAGC
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGAATTACTGGGCGTAAAGGG
AGCGCAGGCGGGAAGGCAAGTCAGTCTTAAAAGTGCGGGGCTCAACCCCGTGATGGGATTGAAACTGTCTTTCTTGA

GTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAGTGGCGAAG
GCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU3102;tax=d:Bacteria(0.0024),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Clostridiales(0.0000),f:Clostridiales_Incertae_Sedis_IV(0.0000),g:Mahella(0.0000);
CGAAAGGAAGAAAGAAATAAACGGAAGAGGAGCAGGAAAGCGAGGGTATCCTACAAAGTCCAGCGTACCATAAAC
GCAAGCCTCAACGCAGCGACGAGCACGAGAGCGGTCAGTAGCAATCCAAACTTTGTTACTCGTCAGAAAATCGAAAT
CATCTTCGGTTAAATCCAAAACGGCAGAAGCCTGAATGAGCTTAATAGAGGCCAAAGCGGTCTGGAAACGTACGGAT
TGTTCAGTAACTTGACTCATGATTTCTTACCTATTAGTGGTTGAACAGAAGCGGACTCAGATAGTAATACACGCTCTTT
GAAAATGTCAACAAGAGAATCTCTACCATGAACAAAATGTGACTCATATCTAAACCAGTCCT
>OTU3101;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.6138),f:"Prevotellaceae"(0.3204),g:Prevotella(0.0519);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTATGGGTTGTAAACTGCTTTTAGGCGGGGGTAAAGGGGCGGACGCGTTCCGCTTTTGCATTTACCACAGGAATAA
GGACCGGCTACTTCGTTGCCAGCAGCCGCGGTAATACGGAGGGCCCGGGCGTTACCCGGATTTATTGGGTTTAAAGG
GAGCGTAGGCCGGTGGGTAAGCGTGTTGTGAAATGTAGTTGCTCAACAGCTGCACTGCAGCGGAAACTGTTCGTCTT
GAGTGCGCAAGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGGGAA
GGCAGCTTACTGTAGCGTCACTGACGCTGATGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU3100;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9507),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5023),f:"Prevotellaceae"(0.1872),g:Prevotella(0.0181);
ACGGGAGGCAGCAGTGAGGAATGTTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTACGGGTTGTAAACTGCTTTTAGGCAGGGGTAAAGTGCCGGACGTGTTCCGGTATTGCAAGTACCGCCAGAAAAA
GGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGG
GAGCGTAGGCGGGCTATTAAGGCAGCGGTGAAAGCCGGCGGCTCAACCGCCGGCCTGCAGTGCAAACTGGTGGCCT
TGAGTGAGCTCAGTGCCGTGGGAATTCATGGTGTAGCGGTGAAATGCTGAGATATCACGAAGAACTCCGATTGCGA
AGGCAGATGACCAGGGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU3099;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Ruminococcaceae(0.0355),g:Pseudoflavonifractor(0.0066);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACGCAGCAACGCCGCGTGAGGGAAGAAGG
CTTTCGGGTTGTAAACTTCTTTTATGAGGGACGATAATGACGGTACCTTATGAATAAGCATCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGATGCGAGCGTTATCCGGATTCATTGGGTGTAAAGGGTGCGTAGGTGGATTGTTAA
GTCAGCTGTGAAAGACAGGGGCTCAACCAGAGAGTTGCAGTTGAAACTGGCGAGCTAGAGTGCGTACGGGGCGGG
CGGAATGCGTGGTGTAGCGGTGAAATGCGTAGATATCAGGCAGAACACCGATCGCGAAGGCAGCTTGCTAGGCCGT
AACTGACACTGATGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU3103;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9769),o:Clostridiales(0.9606),f:Clostridiaceae_1(0.6709),g:Clostridium_sensu_stricto(0.3043);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGTCTTCGGATCGTAAAGCTCTGTCTTCAGGGACGATAATAACGGAACTTGAGGGGGAAGCCCCGGCTAACACCGTGCAACAAGCCGCGGTAATACGTAGGTGGCGACGGTTATCCGGATTTACTGGGCTTAAAGGGAGCGTAGGCGGACTTTTAAGTGGGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCATTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAATGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTAACTGACGCTGAAGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3104;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9348),c:"Bacteroidia"(0.5195),o:"Bacteroidales"(0.2679),f:Bacteroidaceae(0.0710),g:Bacteroides(0.0157);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGCAGGCCTGAACCAGCCATGTCGCGTGAGGGATGACTGCCCTATGGGTTGTAAACTTCTTTTGTAGGGGAGTAAAATCGAGTACGTGTGCCCGTTTGCGTGTACTTTACGAATAAGCATCAGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGTGGAGGTTTAAGTGTGTGGTGAAAGTCGCGGGCTCAACCGGAAAACTGCCTTGCGAACTGGAGTTCTGGAATGCAGTTGCGGTAGGCGGAATGTGTGGTGTAGCGGTGAAATGCTTAGAGATCACGAAGAACTCCGATTGCGAAGGCAGCTCGCGAAGGTGTGATTGACATTGAGGCTCGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU3105;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:"Bacteroidia"(0.4812),o:"Bacteroidales"(0.2359),f:"Prevotellaceae"(0.0457),g:Prevotella(0.0110);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTAGCGTGAAGGACGAAGGCCCTATGGGTTGTAAACTTCTTTTGCGGGGGGATAAAACGCGCCACGCGTGGCGTCTTGCAGGTACCCCGCGAATAAGGGTCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGACCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGGTCATTAAGCGAGTTGTGAAATGCGGCGGCTCAACCGCTGGCCTGCGGTGCGTACTGGTGTCCTTGAGTTCGGACGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCATAGATATCACGAAGAACCCCGATTGCGAAGGCAGCCTGCAAGGCCGCGACTGACGCTGAGGCACGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU3106;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9851),o:Lactobacillales(0.9775),f:Aerococcaceae(0.9666),g:Aerococcus(0.9762);
ACGGGAGGCAGCAGTAGGGAATCTTCCGCAATGGACGCAAGTCTGACGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAACTCTGTTATAAGAGAAGAACAAGTTGTAGAGTAACTGTTGCAGCTTTGACGGTATCTTATCAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGGGAGCGCAGGTGGTTTCTTAAGTCGGATGTTAAAGCCAACGGCTCAACCGTTGAGGGTCATTGGAAACTGGGAAACTTGAGTACAGAAGAGGAAAGTGGAATTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAGGAACACCAGTGGCGAAGGCGACTTTCTGGTCTGTTACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU3107;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Lachnospiraceae(0.4914),g:Dorea(0.1735);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGATGCCGCGTGAAGGATGAAGTACTTCGGTATGTAAACTTCTATCAGCAGGGAAGAAAATGATGGTACCTGTCTAAGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCACGCGTGATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTTTGCAAGCCAGATGTGAAAGCCCGGGGCTCAACCCCGGAACTGCATTTGGAACTGGCATGCTAGAGTGTCGGAGAGGCAAGTAGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTTGGAGGAACACCAGTGGCGAAGGCGGCTCGCTGGACGATGACTGACGTTCAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU3108;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9180),o:"Bacteroidales"(0.8303),f:"Prevotellaceae"(0.4914),g:Prevotella(0.0904);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTGTACGGGAATAACGTTCTTTACGTGTAGGTTTTTGTATGTACTGTACGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCTGATGATTAAGTGAGACGTGAAATGTAGACGCTCAACGGCTGAACTGCGTTGGGAACTGGTAGTCTTGAGTGAGTTAGAGGTTGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCGACAAGGCCGTAACTGACGCTAAAGCTCGAAGGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU3109;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9671),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.6881),f:"Prevotellaceae"(0.4224),g:Prevotella(0.0712);

ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGACGGGAGGCTGAACCAGCCAAGCAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGACAATGAGTGCCACGTGTGGTATATTGCAGGTACCCTATGAATAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTGATAAGCGTGTTGTGAAATGTCGGAGCTCAACCTCGGAATTGCAGCGCGAACTGTCAGGCTTGAGTGCGCCGGAAGTGGGAGGAATGTGTGGTGTAGCGGTGAAATGCTTAGATATGACAAAGAACACCGATTGCGAAGGCAGCCTGCTGTGGCGCGACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU3110;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:Sphingobacteriia(0.0726),o:"Sphingobacteriales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Solitalea(0.0056);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGTCCTATGGATTGTAAACTGCTTTTTTCGGGGAATAATAAGACTTTTGCGAAGGTTGATGCAGGTACCCGAAGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATTCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTTAGATAAGTTTGAGGTTAAATGCTGCTGCTCAGCAGGGGTTTGCCTTGGATACTGTCTGGCTAGGATGTAAGCGGCGCAGGCGGAATGAATCATGTAGCGGTGACATGCGTAGATATGATTAGGAACACCGATCGCGAAGGCGGCTTGCGAGAATGCGATTGACGCTGAAGCACGAAAGCGTGGGCATCAAACAGGATCAGATACCCTGGTA

>OTU3111;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9441),c:Spirochaetia(0.8189),o:Spirochaetales(0.5766),f:Spirochaetaceae(0.3884),g:Treponema(0.0712);

ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGAACGAAGAAGGCCGGAAGGTTGTAAAGTTCTTTTGAAACTGAAGAATAAGTATTGCAGGGAATGGCGATATGGTGACGGTAGGTTTTGAATAAGCAACGGCTAATTACGTGCCAGCAGCCGCGGTAACACGTAAGTTGCGAGCGTTGTTCGGAATTATTGGGCGTAAAGGGCATGTAGGCGGTTTTGCAAGGTGGGTGGGAATGGAAAGGGCTCAACTAAGGAACTGAATGAAAAACTACAGGACTTGAGTTATGAAGTTGAAACTGAAATTCCAGTTGTAGGGGTGAAATCTGCAAATATCTGGAGGAAAACCAATGGGGAGGGAAAGTTTCAGCCAGATAACTGACGCTGGGGGGGGAAGGTGCGGGAGGCAAACAGGTTAGATCCCCTGGA

>OTU3114;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9933),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4652),f:Bacteroidaceae(0.1291),g:Bacteroides(0.0230);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGATGAATGGTCTATGGCCTGTAAACCTCATTTGTCAAGGAAGAATAAATCGCACGGGTGCGATCTTGCCAGTACTTGACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGAGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTTGATTAAGTTAGTGGTAAATGTCATGGCTAAACCTTGGCCAGCCATTAATACTGGTCAGCTTGAGTACAGACGAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU3112;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Ruminococcaceae(0.1098),g:Saccharofermentans(0.0134);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTCTTCGGATTGTAAACTCCTTTTATTAGGGACGAAGGACGTGACGGTACCTCATGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGATGGCAAGTCAGATGTGAAATCCATGGGCTCAACCCATGAACTGTATTTAAAACTGTCGTTCTTGAGTAGCGAAGAGGAAAGAGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATCAGGAAGAACACCGATGTCGAAGGCGGCTTGCTGGACGAAAACTGACGCTGAGGCACGAAAGCGTCGAGAGCAAAGAGCATTAGATACCCTGGTA

>OTU3115;tax=d:Bacteria(0.9827),p:"Bacteroidetes"(0.4311),c:"Bacteroidia"(0.0525),o:"Bacteroidales"(0.0352),f:"Porphyromonadaceae"(0.0086),g:Barnesiella(0.0043);

ACGGAAGGCAGCAGCGAGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATGCCGCGTGAAGGACTAAGGCCCTATGGGCTGTAAACTTCTTTAGACGCAGAGCAATAAGGGCCGCGTGTGGTCCGATGAGAGTATGCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCACGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCGGATGCGCAAGCGAGCGGTGCAATGCCCGGGCTCAACGCAGAAACTGCGGTTGATACTGTGAGGCTTGAATGCGTATGCTGTGGGAGGAATTAGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACACCGATTGCGAAGGCATCTCACAAATCCGCAATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU3113;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.9389),f:"Prevotellaceae"(0.8146),g:Prevotella(0.6200);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCTTATGGGTTGTAAACTCCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCCTGTACCCTACGAATCAGGACCGGCCAATTCCGTGCCAGCAGCCGCCGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTTATAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGTGCAAACTGTGAGACTTGAGTGCGCAGGAAGTAGGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCAGTTGCGAAGGCAGCCTGCTGTAGCGAAACTGACGCTGAAGCTCGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU3118;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8808),c:"Bacteroidia"(0.7114),o:"Bacteroidales"(0.4280),f:Bacteroidaceae(0.2524),g:Bacteroides(0.0712);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTATGTATACTGTATTGTATGTATTATATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTGTAAAGGGAGCGTAGACGGACTGGCAAGTCTGGTGTGAAAGGCTGGGGCTCAACCCCGGGACTGCATTGGAAACTGCCTGTCTTGAGTGCCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGATAACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU3116;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8331),o:Clostridiales(0.5766),f:Eubacteriaceae(0.1291),g:Eubacterium(0.0230);

ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAGTGAAGAAGGCCTTCGGGTTGTAAAGCTCTTTAATCAGGGACGAAGAATGACGGTACCTGAAGAATAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCACGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGCAGGCGGGAAGACAAGTTGGAAGTGAAATCCATGGGCTCAACTCATGAACTGCTTTCAAAACTTTTTGTCTTGAGTAGTGCAGAGGTAGGCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGACCTACTGGGCACCAACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU3117;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Ruminococcaceae(0.0904),g:Clostridium_III(0.0157);

ACGGGAGGCAGCAGTGAGGGATATTGGGCAATGGGGGCAACCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGGTTTCGGATTGTAAACCTCTGTCGCAGAAGACGAAGGAAGTGACGGTATTCTGTGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGAATGCAAGTCAGATGTGAAATCTAGGGGCTTAACCCCTAAACTGCATTTGAAACTGTATTTCTTGAGTGTCGGAGAGGTTGACGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAATGGCGAAGGCGGTCAACTGGACGATAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACTGGATTAGATACCCTGGTA

>OTU3119;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9827),o:"Bacteroidales"(0.9843),f:Bacteroidaceae(0.9108),g:Bacteroides(0.9085);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATATGGGAATAAAGTTCAGTATGTATACTGTTTTGTATGTACCATATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGACGCTTAAGTCAGTTTTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGGTGTCTTGAGTGCAGAAGAGGTAGGCGGAATTCGTGGTGTAGCGGTAAAATGCTTAGATATCACGAAGAACTCCGATTGCGAGGGCAGCTTACTGGACTGTAACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACGCTGGTA
>OTU3120;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:"Bacteroidia"(0.2902),o:"Bacteroidales"(0.1249),f:"Porphyromonadaceae"(0.0457),g:Parabacteroides(0.0087);
ACGGAAGGCAGCAGTGAGGAATATTGGACAATGGATGGAACTCTGATCCAGCCATGCCGCGTGCAGGAAGACGGTCCTATGGATTGTAAACTGCTTTAGCATGGGAGCAATAAGGTGTACGCGTACACCGATGAGAGTACCATGAGAATAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGCGCGCCAAGTCAGCGGTCAAAGGTCCGGGCTCAACCCGGTGTCGCCGTTGAAACTGGCGTGCTCGAGTGCGTGCGAGGAAGGCGGAATGCGTTGTGTAGCGGTGAAATGCATAGATATCACGCAGAACTCCGATCGCGAAGGCAGCTTGCCAAGCCATAACTGACACTGAAGCACGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU3121;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9835),c:Gammaproteobacteria(0.9321),o:"Enterobacteriales"(0.6509),f:Enterobacteriaceae(0.4563),g:Escherichia/Shigella(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGCATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTCATCGGGGAGGAAAGGAGTAAAATTAATACCTTTTCTCATTTACGTTACGCGCAGAAGACGCACCGGCCAACTCCGTGCCAGCAGCCGCGGTAATACGGACGGTCCATGCGTTAATCGGAATTACTGGGCGTAAAGCGCGCGCAGGCGGTTTGTTAAGTCGGATGTGAAATGCCCGGGCTCAACCTGGGAACTGCATCTGATACTGGCAGGCTTGAGTCTCGTAGAAGGGGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCAGCGGCGAAGGCGGCCCGCTGGACGGAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3122;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.7907),c:Alphaproteobacteria(0.5195),o:Rhodospirillales(0.2679),f:Rhodospirillaceae(0.1291),g:Marispirillum(0.0230);
GTGCCAGCCGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGAGTAGGCGGCATGACAAGTAAGATGTGAAAGCCCGCAGCTTAACTGCGGGATTGCATTTTAAACTGTTGAGCTAGAGTGCAGGAGAGGAAAGCGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTGGGAAGAACACCAGTGGCGAAGGCGGCCACCTGGCACGGTACTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTAGTCCACGCCGTAAACGATGAGTGCTAGCTGTTGGGCAGCATGCTGTTCAGTGGCGCAGTTAACGCATTAAGCACTCCGCCTGGGGAGTACGGCCGCAAGGTTAAAACTCAAATGAATTGACGGGG

>OTU3124;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9441),c:"Bacteroidia"(0.6346),o:"Bacteroidales"(0.3639),f:"Porphyromonadaceae"(0.1679),g:Barnesiella(0.0204);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGTCCTACGGATTGTAAACCTCTTTTGTCGGGGAGTAACGTGCGGGACGCGTCCCGTATTGAGAGTACCCGAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGCGCGCCAAGTCAGCGGTCAAAGTTCCGGGCGCAACCCGGGTGTGCCGTTGAAACTGGCGGGCTTGAGTTCGTGCGAGGAAGGCGGAATTCGTTTTGTAGCGGTGAAATGCGTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTTCCGGGGCGCTACTGACGCTGGGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU3123;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Clostridiaceae_1(0.4563),g:Clostridium_sensu_stricto(0.2607);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGAAGAAGGATTTCGGAACGTAAAGCTCTGTCAGCGGGGAAGAAAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGAGTATTAAGTGTGATGTGAAATGCCCGGGCTCAACTTGGGTGCTGCATTCCAAACTGGTTTTCTCGAGTGCCTGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU3125;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9990),c:Deltaproteobacteria(0.9812),o:Desulfovibrionales(0.9775),f:Desulfovibrionaceae(0.9387),g:Bilophila(0.8605);

ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGTTCTCGGATCGTAAACCTCTGTCAGGGGGGAAGAAACCCCCTCGTGTGAATAATGCGAGGGCTTGACGGTACCCCCAAAGGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATCAAGAGGGTGCAAGCGTTAATCGGAATCAATGGGCGTAAAGCGCACGTAGGCGGCTTGGTAAGTCAGGGGTGAAATTCCACCGCCTAAGGGTGGAACTGCCTTGGATACTGCCAGGCTTGAGTACAGGAGAGGGTGGCGGAATTCCAGGTGTAGGGGTGAAATCCGTAGATATCTGGAGGAACACCGGTGGCGAAGGCGGCCACCTGGACGGTAACTGACGCTGAGGTGCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU3129;tax=d:Bacteria(0.0024),p:"Bacteroidetes"(0.0000),c:Sphingobacteriia(0.0000),o:"Sphingobacteriales"(0.0000),f:"Cyclobacteriaceae"(0.0000),g:Fontibacter(0.0000);

GACTAACGCGCTTCCGTCCCTTAACGCTAAAGGTGCTTTGACTTATACCGATATTGCTGGCGACCCTGTTTTGTATGGCAACTTGCCGCCTCGTGAAATTTCTATGAAGGATGTTTTCCGTTCTGGTGATTCGTCTAAGAAGTTTAAGATTGCTGAGGGTCAGTGGTATCGTTATGCGCCTTCGTATGTTTCTCCTGCTTATCACCTTCTTGAAGGCTTCCCATTCATTCAGGAACCGCCTTCTGGTGATTTGCAAGAACGCGTACTTATTCGCCACCATGATTATGACCAGTGTTTCCAGTCCGTTCAGTTGGTGCAGTGGAATAGTCAGGGTAAATTGAATGTGACCGT

>OTU3126;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Lachnospiraceae(0.3884),g:Clostridium_XlVa(0.1735);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAGGGGTTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGACGCAAGTCTGGAGTGAAAGCCCGGGGCCCAACCCCGGGACTGCTTTGGAAACTGTGCTGCTGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTACTGGACAGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3127;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Lachnospiraceae(0.1485),g:Clostridium_XlVa(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTATTTCGGTATGTAAACTTCTATCAGCAGGGAAGAAGATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGCCTGAAAAGTCGGATGTGAAAGACCCGTGCTTAACATGGGGGTTGCATTCGAAACTTTCGGGCTTGAGTGCGGAAGAGGCAAGTGGAATTCCCAGTGTAGCGGTGACATGCGTAGATATTGGGAGGAACACCAGTGGCGAAGGCGACTTGCTGGGCCGCAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3130;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9776),o:"Bacteroidales"(0.9685),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTATGTATACTGTTTTGCATGTATTATATGAATAAGGATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGGAGGTGGACTGGTAAGCGTGTTGTGAAAAGTGGCGGCTCAACCGCAAAATGGCATTTGAAACTTGTGGTCTTGGGTAGAGAAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGACTGTAACTGACACTTATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU3128;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Lachnospiraceae(0.0710),g:Marvinbryantia(0.0157);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGTGTGAAGAAGTTTTTCGGTATGTAAAGCACTATCATCTGTGAAGATAATGACGGTACCTGAGTAAGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGGCGTGCAAGTCAGAAGTGAAATCCATCGGCTTAACTGAGGAACTGCTTTGGAAACTGTGCGTCTTGAGTGAAGGAGAGGTAGGCGGAATTCCTGGTGTAGCGGTGGAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGGCAGCAACTGACGTTGAGGCTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU3131;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Rumin
ococcaceae(0.0710),g:Ruminococcus(0.0110);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAATGATGAAGGT
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CGCAGCCGCGGTTATACGTAGGGAGCAAGCGTTCTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGTGGACTGGTA
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GGAATTCGTAGTGTAGCGGTGAAATGCGTAGATATCACGAAGAACTCCGATTGCGAAGGCGGCCTGCTAGGCTGCA
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>OTU3132;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9474),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3
319),f:"Prevotellaceae"(0.1098),g:Prevotella(0.0204);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGT
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GTACGCACAACGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGG
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>OTU3133;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Eubac
teriaceae(0.1872),g:Eubacterium(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAAGGAAGACGGT
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AGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGTGTAGGCGGGATAGCA
AGTCAGCTGTGAAATCTAGGGGCTCAACCCATAAACTGCAGTTGAAACTGTTAATCTTGAGTGTAGTAGAGGCAAGC
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>OTU3134;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Bacilli(0.7114),o:Lactobacillales(0.2999),f:Lactoba
cillaceae(0.0904),g:Lactobacillus(0.0181);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
CTTCGGATCGTAAAACTCTGTTGTTAGAGAAGAACATGCAGGAGAGTAACTGTTCTTGTATAGACGGTATCTAACCAG
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AGCGAGTGCAGGCGGTTCAATAAGTCTGATGTGAAAGCCTTCGGCTCAACCGGAGAATTGCATCAGAAACTGTTGAA
CTTGAGTGTATTCGATGTCAGCGGAATTTGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCG
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>OTU3136;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:"Bacteroidia"(0.4812),o:"Bacteroidales"(0.2359),f:Bacteroidaceae(0.1098),g:Bacteroides(0.0204);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTACGCATACCCGTTTGCATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGCTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGAAGCAAGTCTGAAGTGAAAGTCCTGCTTTTAAGGTGGGAATTGCTTTGGATACTGCTGGGCTTGAGTGCAGGAGAGGAAAGCGGAATTACCGGTGTAGCGGTGAAATGCGTAGAGAACGGTAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGAAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU3135;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5579),o:Clostridiales(0.2679),f:Eubacteriaceae(0.0710),g:Eubacterium(0.0157);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGAAGAAGGCCTTCGGGTCGTAAAGCCTCGTCCTCAAGAGAGATAATGACGGTACATGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGCTTTCCGGAATAATTGGGGGTAAAGGGCGCGTAGGCGGAAATGCAAGTTGGGAGTGAAAACCCGGGGCTCAACCCCGGAACTGCGTTCGAAACTGTATCCCTTGAGTATCGTAGAGGCAAGCGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU3137;tax=d:Bacteria(1.0000),p:Firmicutes(0.3448),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Lachnospiraceae(0.0252),g:Clostridium_XlVb(0.0076);

CCGGAAGGCAGCAGTGATTCCTCTTTTTCCATTTCCTCCCGGCTGAACCAGCCATGCCGCGTGAAGGTCAGTGCCCTATGGGCGTTAAACTTCTTTTGTCAGGGAGCAATAAGGGTTTCGTGAAATCCAATGAGAGTACCTGACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACAGGGGATGCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGTCTGATAAGTTGGATGTGAAATACCCGGGCTTAACTTGGGGGGTGCATCCAATACTGTTGGACTAGAGTACAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCATAGATATTAGGAGGAACATCGGTGGCGAAGGCGGCTTTCTGGACTGCAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU3140;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachnospiraceae(0.3204),g:Ruminococcus2(0.0904);

CCGGAAGGAAGCAGTGGGGAATATTTCACCCTGTTCTCCAGCCTGATGCAGCGAAGCCGCGTGAGCGAAGAAGGATCTCGGGATGTAAAGCTCTATCAGCAGGGAAGAAAAGGACGGTACCTGACGAAGAAGCCCCGTCTAACTACGTGCAAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAGAGGCAAGTCTGATGTGAAAACCCGGGGCTCAACCCCGGGAGTGCATTGGAAACTGTTTATCTGGAGTGCCGGAGGGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACGTTGATGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU3139;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Ruminococcaceae(0.0355),g:Intestinimonas(0.0076);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGATCTTCGGATTGTAAACCTTAGTCAACAGGGAAGAAGCAAGTGACGGTACCTGTGAAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATATGTAGGTGGCGAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGTGTAGGCGGGACGCCAAGTCAGCGGTAAAAGACTGCAGCTAAACTGTAGCACGCCGTTGAAACTGGCGTGCTCGAGTGCGTGCGAGGAAGGCGGAATGCGTTGTGTAGCGGTGAAATGCATAGATATGACGCAGAACTCCGATTGCGAAGGCAGCTTTCCAGCGCGCTACTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU3138;tax=d:Bacteria(0.7187),p:"Proteobacteria"(0.1112),c:Deltaproteobacteria(0.0324),o:Desulfovibrionales(0.0231),f:Desulfovibrionaceae(0.0046),g:Bilophila(0.0032);
ACGGAAGGCAGCAGTGGGGAATATTACGCAATGGGCGAAAGCCTGACGAAGCGACGCCGAGTGAGGGATGAAGGTTTTCGGATCGTAAACCTCTATCAGGAGGGAAGAAACCCCATTGTGTGAATAATGCGAGGGGTTGACGGTACCCACAGAGGAAGCAAAGGCTAACTCCGTGGCAGCAGCCGCGGTAATACGGAGGGAGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGCGTAGGCGGCAGAGCAAGTCAGTTGTGAAATCCTTGTGCTTAACCCACGAACTGCATGTGAAACTGTTTTGCTTGAGTAAAGTATAGGCGGGCGGAATTCCCTGTGTAGCAGTGAAATGCTTAGAGATAGCGAGGACCTCCAGTTGCGAAGGCGGCCTACTGGGCTTTAACTGACGCTTAGGCACTAAAGCGTGAGTAGCAAACAGGATTTGATACCCTGGTA
>OTU3141;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Bacilli(0.7114),o:Lactobacillales(0.3959),f:Lactobacillaceae(0.2184),g:Lactobacillus(0.0615);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGGTAGTGAAGAAAGATAGAGGTAGTAACTGGCCTTTATTAGACGGTAATTACTTAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCCGGTAAGTCTGGAGTGAAAGTCCTGGCTTCAAGTTGGGAATTGCTTTGGATACTGTCGGGCTTGAGTGCAGGAGAGGTTAGTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3143;tax=d:Bacteria(1.0000),p:Cyanobacteria/Chloroplast(0.8087),c:Chloroplast(0.5579),f:Chloroplast(0.1485),g:Bacillariophyta(0.0157);
GTGTCAGCAGCCGCGGTAATACAGGGGATGCAAGTGTTATCCGGAATTATTGGGCGTAAAGCGTCTGTAGGTTGATATTTAAGTCTTTTGTTAAATTTCCAGGCTTAACCTGGAATCTGCAAAGGAAACTATTTGTCTAGAGTGTGGTAGAGGTAAAGGGAATTTCCAGTGGAGCGGTGAAATGCGTAGATATTGGAAAGAACACCGATGGCGGAAGCACTTTACTGGGCCATTACTGACACTGAGAGACGAAAGCTAGGGGAGCAAACAGGATTAGATACCCTGGTAGTCCTAGCTGTAAACGATG

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ococcaceae(0.1291),g:Clostridium_III(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGG
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>OTU3146;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9507),c:Deltaproteobacteria(0.8472),o:Desulfovibr
ionales(0.6138),f:Desulfovibrionaceae(0.2524),g:Desulfovibrio(0.0712);
ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGT
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GACTGGAGTGCGAGAGAGGATAGCGGAATTCGAGGTGTAGGAGTGAAATCCGTAGATATCTGGAAGAACATCAGT
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015),f:Bacteroidaceae(0.0355),g:Bacteroides(0.0087);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGCAGCGTGAAGGATGAAGGC
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naerovirga(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGGGAAACCCTGACGCAGCAACGCCGCGTGAAGTAAGAAGGT
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>OTU3147;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9348),c:Actinobacteria(0.8048),o:Actinomycetales(
0.4280),f:Nakamurellaceae(0.1098),g:Nakamurella(0.0204);
GTGTCAGCAGCCGCGGTAATACGTAGGGTGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGAGCTCGTAGGCGGTT
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685),f:"Prevotellaceae"(0.8864),g:Prevotella(0.7162);
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737),f:"Prevotellaceae"(0.5991),g:Prevotella(0.3043);
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:Synergistaceae(0.0457),g:Dethiosulfovibrio(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
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>OTU3151;tax=d:Bacteria(1.0000),p:"Tenericutes"(0.9802),c:Mollicutes(0.9711),o:Anaeroplasmatales(0.83
03),f:Anaeroplasmataceae(0.6350),g:Anaeroplasma(0.4787);
ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGAACGAAGAAGTA
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83),f:Acholeplasmataceae(0.0560),g:Acholeplasma(0.0134);
ACGGGAGGCAGCAGTAGGGAATTTTCGGCAATGGGGGAAACCCTGACCGAGCAATGCCGCGTGAATGATGAAGGT
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0),f:Veillonellaceae(0.0000),g:Mitsuokella(0.0000);
ACTTCAGCGGCTTTCACCGGACGCTCGACGCCATTAATAATGTTTTCCGTACATTCCGCGCCTTCCATGATGAGACAGG
CCGTTTGAATGTTGTCGGGATGAACATAATAAGCAATGACGGCAGCAATAAACTCAACAGGAGCAGGAAAGCGAGG
GTATCCTACAAAGTCCAGCGTACCATAAACGCAAGCCTCAACGCAGCGACGAGCACGAGAGCGGTCAGTAGCAATCC
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>OTU3155;tax=d:Bacteria(0.0024),p:"Actinobacteria"(0.0000),c:Actinobacteria(0.0000),o:Actinomycetales(
0.0000),f:Nocardiopsaceae(0.0000),g:Thermobifida(0.0000);
AAAGTTTGAATTATGGCGAGACATCTCAGTCTGAAAGATGCTTTAACTCCTCAGCAGACCACCTACCGCGCTTCGCTT
GGTCAACCCCTCAGCGGCAAAAATTAAAATTTTTACCGCTTCGGCGTTATAACCTCACACTCAATCTTTTATCACGAAG
TCATGATTGAATCGCGAGTGGTCGGCAGATTGCGATAAACGGTCACATTAAATTTAACCTGACTATTCCACTGCAACA
ACTGAACGGACTGGAAACACTGGTCATAATCATGGTGGCGAATAAGTACGCGTTCTGGCAAATCACCAGAAGGCGGT
GCCGGTAGGAATGGGAAGCCTGCAAGAAGGTGATAAGCAGGAGAAACATAC

>OTU3157;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.6881),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0615);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTTCTTTTATAGAGGGATAAAGTGTACTATGTATGGTATATTGTAGGTACTCTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTCGTCTTGTAAGCCTGTTGTGAAAGGTTGGGGCTCAACCGTGGCATTGCAGTGCGAACTGTGAGTCTTGAGTGCGCAAGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCCGCTGTAGCGCGACTGACGCTGAAGCTCGAAAGTGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU3156;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Negativicutes(0.5579),o:Selenomonadales(0.2999),f:Veillonellaceae(0.1485),g:Mitsuokella(0.0204);

ACGGAAGGCAGCAGTGGGGAATCTTCCGCAATGGGCGAAAGCCTGACGGAGCAACGCCGCGTGAGTGAAGAAGGTCTTCGGATCGTAAAGCTCTGTTGTCAGGGACGAATGTACCTTTTGTGAATAATGAGAGGTAATGACGGTACCTGACGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGATGCAAGTTGGGAGTGAAATCCCGGGGCTCAACCCCGGAACTGCTTTCAAAACTGTATCCCTTGAGTATCGGAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTACTGGGCTGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU3154;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Ruminococcaceae(0.7428),g:Clostridium_IV(0.1735);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCCGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTATGAGGGACGATAATGACGGTACCTCATGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGACTGCAAGTCAGATGTGAAATCCCAGGGCTCAACCTTGGACCTGCATTTGAAACTGTAGTTCTTGAGTGATGGAGGGGCAGGCGGAATTCCGTGTGTAGCGGTGAAATGCGTAGATATACGGAGGAATACCGGTGGCGAAGGCGGCCTGCTGGACAATAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU3158;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Ruminococcaceae(0.1485),g:Ruminococcus(0.0326);

ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACTCTGATGCAGCGATGCCGCGTGGAGGAAGAAGGTTTTCGGATTGTAAACTCCTATCGTAAGGGAAGAGGAAGGACTGTACCTTACAAGAAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATGACTGGGTGTAAAGGGAGCGCAGACGGCATGGCAAGCCAGATGTGAAAGGTGGGGGCTCAACCCCCAAGCTGCATTTGGAACTGTCAAGCTAGAGTATCGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATTACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU3161;tax=d:Bacteria(0.0041),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Clostridiales(0.0000),f:Lachnospiraceae(0.0000),g:Johnsonella(0.0000);
GACTTTTCTCATTTTCCGCCCTCAGTCCCCATCGATTAACTTCTTCAACCCGCATTAGTAATTCCTGCTTTATCAAGATAATTTTTCTACTCATCAGAAATATCCGAAAGTGTTAACTTCTGCGTCATGGAAGCGATAAAACTCTGCAGGTTGGATACGCCAATCATTTTTATCGAAGCGCGCATAAATTTGAGCAGATTTGTCGTCACAGGTTGCGCCGCCAAAACGTCGGCTACAGTAACTTTTCCCAGCCTCAATCTCATCTCTCTTTTTGCGTTCTGCTTCAATATCTGGTTGAACGGCGTCGCGTCGTAACCCAGCTTGGTAAGTTGGATTAAGCACTCCGTGGACAGATTTGTCATTGTG
>OTU3159;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Ruminococcaceae(0.6709),g:Ruminococcus(0.4351);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCGATGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTATTGACAGGGACGATAATGACTGTACCTGTTCAGAGAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGTGTAGGCGGGACTGCAAGTCAGATGTGAAATTTAGGGGCTCAACCCCTGACCTGCATTTGAAACTGTGGTTCTTGAGTGAAGTAGAGGTAAGCGGAATTCCTAGTGTAGCGGCGAAATGCGTAGATATTAGGAGGAACATCAGTGGCGAAGGCGGCTTACTGGGCTTTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3160;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Clostridiales_Incertae_Sedis_XIII(0.0457),g:Anaerovorax(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGAGGAAACTCTGACCCAGCAACGCCGCGTGAATGATGAAGGTCTTCGGATTGTAAAGTTCTTTTCTAAGGGAAGAAGAAAGTGACGGTACCTTAGGAATAGGCCTCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGAGGCGAGCGTTATCCGGAATGACTGGGCGTAAAGGGTGCGTAGGTGGTTTGGCAAGTTAGTAGCGTAACTCCAAGGCTCAACCTTGGAACTACTACTAAAACTGTTGGACTTGAGCGCAGGAGGGGCAACCGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGGTTGCTAGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3162;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Ruminococcaceae(0.0904),g:Clostridium_III(0.0134);
ACGGGAGGCAGCAGTGGGTCCTCTTGGGCAATTGGCGAACTCCTTCCCCCTCAACTCCTCGTGAAGGAAGAAGGCCTTCGGGTTGTACACTTCTCTTACCAGGGACGAAGGACGTGACGGTACCTGGAGAAAAAGCAACGGCTAACTACGTGACAGCAGCCGCGGTAATACGTAGGTTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGATGCAAGTTGGGAGTGAAATCCATGGGCTCAACCCATGAACTGCTCTCAAAACTGTATCCCTTGAGTATCGGAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3163;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Eubacteriaceae(0.1872),g:Eubacterium(0.0519);

AAGGGAGGAAGAAGGAGGTAATCGGGGACAAGGGAAGAACGTCTGATGGAGCAACGCCGCGTGAGGGAAGACGG
TTTTCGGATTGTAAACCTCTGTTTTCGGTGACGAACAAATGACGGTAACCGAGTAGGAAGCCACGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGATAG
CAAGTCAGCTGTGAAAACTATGGGCTCAACCCATAAAGTGCAGTTGAAACTGTTATTCTTGAGTGGAGTAGAGGCAA
GCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTC
TAACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3164;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Clostridiaceae_4(0.0457),g:Thermotalea(0.0110);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACACAGCAACGCCGCGTGAGGGAAGAAGG
GTTTCGGCTCGTAAACTTCTGTTCTAAGGGAAGAAAAGGACTGTACCTTAGGAGCTAGTCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATAAGTAGGGGGCAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGTGTGTAGGCGGGCTCGCA
AGTTGGATGTGTAATACCCAGAGCTTAACTCTGGTGCTGCAACTGAAACTACGAGTCTTGAGTGTCGGAGAGGTAAG
TGGAATTCCTAGTGTAGCGGTGTAATGCGTAGATATTAGGAGGAACATCAGTGGCGAAGGCGACTTACTGGACGAT
AACTAACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3166;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachnospiraceae(0.3204),g:Coprococcus(0.0712);
ACGGGAGGCAGCAGTGGGAATATTGCACAATGGGGGAAACCCTGAAGCAGCGACGCCGCGTGAAGGAAGAAGTAT
CTCGGTATGTAAACTTCTATCAGCAAGGAAGATAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAG
CAGCCGCGGTAATACGTAGGGGGCAAGCGTTATACGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGGAATGCAA
GTCAGATGTGAAATCTATGGGCTTAACCCATAAACTGCACTTGAAACTGCATTTCTTGAGTGTCGGAGAGGTAGACG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTCTAA
CTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3167;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Lachnospiraceae(0.0252),g:Lachnobacterium(0.0076);
ACGGGAGGCAGCAGTAGGGAATTTTCGGCAATGGGGGAAACCCTGACCGAGCAATGCCGCGTGAATGATGAAGGT
TTTCGGATCGTAAAGTTCTGTTGTTAAGGAAGAACTATGGGATTAGGAAATGAGTTCCATTTGACGGTACTTAACTAG
AAAGCCCCGGCTAACTATGCGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAA
AGGGAGCGCAGGCGGGATAGCAAGTCAGCTGTGAAAACTATGGGCTCAACCCATAAACTGCAGTTGAAACTGCATTT
CTTGAGTGTCGGGGAGGTAGACGGAATTCCTAGTGTGGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGC
GAAGGCGGTCTACTGGACGATAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGT
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>OTU3168;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Eubacteriaceae(0.0904),g:Eubacterium(0.0181);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
TTTCGGATTGTAAACCTCTAGCGCAGAAGACGAAGGAAGTGACGGTATTCTGTGAGGAAGCCCCGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGAGCGCAGGCGGGATA
GCAAGTCAGCTGTGAAAACTATGGGCTCAACCCATAAACTGCAGTTGAAACTGTTATTCTTGAGTGGAGTAGAGGCA
AGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGAC
GACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3169;tax=d:Bacteria(0.8319),p:"Bacteroidetes"(0.1905),c:"Bacteroidia"(0.0324),o:"Bacteroidales"(0.0
231),f:Prolixibacteraceae(0.0059),g:Prolixibacter(0.0035);
CCTTTCTTCCTCCTTTCTTCCTATTTGTCCCTGGTCGGCAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCCTA
TGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACCAGGGGAATAAGCA
TCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTG
CGGAGGCTGTGCGTCAAGTCGGGGGTGAAATTCCGGTGCTCAGCACCGGGGCTGCCCTTGATACTGTCGCGCTGGAT
TGCGGATGCCGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACTCAGAACACCGATTGCGATGGC
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>OTU3170;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lachn
ospiraceae(0.2524),g:Clostridium_XlVa(0.0712);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAACGACGCCGCGTGAGTGAAGAAGTA
TTTCGGTATGTAAAGCTCTATCAGCGGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGTCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGATGCAA
GTCTGGAGTGAAAGCCCAGGGCTCAACCCTGGGACTGCTTTGGAAACTGTATGGCTAGAGTGCTGGAGAGGTAAGT
GGAATTCCTAGTGTAGCGGTGAAATGCTTAGATATTAGGAGGTACAGCAGTCGCCGAGGCGTCCAATCGTACCGTAA
CTGACGCTGAGCCGCTAAACCGGAGGCAGCAGACAGGATTAGATACCCTGGTA
>OTU3165;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Rumin
ococcaceae(0.1485),g:Saccharofermentans(0.0204);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGGT
CTTCGGATTGTAAACCTTTGTAGACAGGGACGAAGAAATGACGGTACCTGTAAAGTAAGCCACGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGTGTAAAGGGTGAGTAGGCGGGCTGAC
AAGTCAGATGTGAAATGTTCGGGCTTAACCCGGGAAGTGCGTTCAAGACTGCGGGGCTTGAATACGGGAGAGGATC
GTGGAATTCCTGGTGTAGAGGTGAAATTCGTAGATATCAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACGA
TGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3171;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Clostri
diaceae_1(0.3204),g:Clostridium_sensu_stricto(0.0808);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
CTTCGGATCGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGCGCGTAGGCGGCCCGTTAA
GTCTGGAGTGAAAGTCCTGCTTTCAAGGTGGGAAGTGCTTTTAATACTGGAAGGCTTGAGTGCAGAAGAGGTAAGT
GGAATTCCCAGTGTAGCGGTGAAATGCGTAGAGATTGGGAAGAACACCAGTGTCGAAGGCGACTTACTGTGCTGTA
ACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU3172;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8520),f:Bacteroidaceae(0.4914),g:Bacteroides(0.3043);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTCGCGTGAAGGAAGACTGC
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ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTAGTGGGTTTAAAGGGA
GCGTAGATGGATGTTTAAGTCCGTTGTGAAAGTTTGCGGCTCAACCGTAAGATTGCAGTTGAAACTGGATATCTTGA
GTGCAGTTGAGGCAAGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGG
CAGCCTACTGGGCTACAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU3173;tax=d:Bacteria(1.0000),p:"Verrucomicrobia"(0.9168),c:Opitutae(0.7881),o:Puniceicoccales(0.3959),f:Puniceicoccaceae(0.2184),g:Coraliomargarita(0.0134);

ATGTCAGCCGCCGCGGTAATACAGAGACCTCAAGCGTTACTCGGATTCACTGGGCGTAAAGGGTCCGCAGGCGGCC
ATGTGTGTCAGGTGTGAAATCCCGAGGCTTAACTCCGGAACTGCGCCTGAAACTACATGGCTAGAGACTCGGAGAGG
TAAGTGGAATTCCAGGTGTAGCGGTGAAATGCGTAGATATCTGGAGGAACACCAATGGCGAAGGCAGCTTACTGGA
CGAGATCTGACGCTCATGGACGAAAGCGTGGGGAGCGAAAGGGATTAGATACCCCTGTAGTTCACGCCGTAAACGT
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>OTU3174;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6036),c:Sphingobacteriia(0.0626),o:"Sphingobacteriales"(0.0413),f:Sphingobacteriaceae(0.0099),g:Solitalea(0.0046);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCAGCGTGCGGGAAGGAGGC
CCTATGGGCTGTGAACCGCTTTTGCCGGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACCAGGCGAATA
AGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAG
GGTGCGTAGGCTGTGCGTTAAGTCGGACGTGAAATTCCGGTGCTCAACAACGGGGCTGCCCTTGATACTGTCACGCT
GGAGTGCGGATGAAGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACGCAGAACACCGATTGCG
GAGGCATCTGGCAAAGCCGTAACTGACGCTAAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA

>OTU3176;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9769),c:"Bacteroidia"(0.6346),o:"Bacteroidales"(0.3639),f:"Prevotellaceae"(0.0710),g:Prevotella(0.0157);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGAACGACGGC
CCTATGGGTTGTAATCTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATAAGG
ACCGCCTAATTACGTGCCAGCAGCCGCGGTAATACGGAAGATCCGAGCTTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAAGCGGACGAGCAATTCAGTTGTGAAAGTTTGCGGCTGAATCGGAAGAGTGCAGTTGAAACTGTTGGACTTG
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GCAGCCATCCGGGGTGCGACTGAATCTGAGGCTCGAAAGTGCGGGAATCAAACAGGATTAGATACCCTGGTA
>OTU3175;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Bacilli(0.6730),o:Lactobacillales(0.3639),f:Lactoba
cillaceae(0.1872),g:Lactobacillus(0.0519);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTA
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GTA
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cillaceae(0.7068),g:Lactobacillus(0.4787);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
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AGCGAGTGCAGGCGGTTCAATAAGTCTGATGTGAGAGCCTTCGGCTCAGCCGGAGAATTGCATCAGAACCTGTTGAA
CTTGAGGGCAGAAGAGAAGAGTTGAACTCCATGTGTAGCGGTGGAATGCGTAGATTTATGGAAGAACACCTGTGGC
GAAGGCGGCTCTCTGGTCTGCACCTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAAATACCCTAGTA
>OTU3177;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Pepto
streptococcaceae(0.2184),g:Clostridium_XI(0.0615);
ACGGGGGCAGCAGTGGGGAATATTTCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCC
TTCGGGTCGTAAAGATCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAG
CAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGATTTATTGGGTGTAAAGGGTGCGTAGACGGGAGAACAAG
TTAGTTGTGAAAGCCCTCGGCTTAACTGAGGAACTGCAACTAAAACTATTTTTCTTGAGTGCAGGAGAGGAAAGCGG
AATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACT
GACGTTGAGGCACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3178;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Bacilli(0.9321),o:Lactobacillales(0.7252),f:Lactoba
cillaceae(0.4224),g:Lactobacillus(0.1735);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAATGCCGCGTGAGTGAAGAAGGC
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AAAGTCACGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGATTTATTGGGCGTAA
AGCGAGCGCAGGCGGAAAGATAAGTCAGATGTGAAAGCCCCCGGCTTAACCGGGGAACTGCTTCGGATACTGTCCT
TCTAGAGTGCAGTAGAGGGGGGTGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATGTGGAAGAACACCGGTG
GCGAAGGCGGCTCTCTGGACTACAACTGACGCTGAGGCTCGAAAGCGTGGGTAGCGAACAGGATTAGATACCCTGG
TA

>OTU3180;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Rumin
ococcaceae(0.7428),g:Faecalibacterium(0.1299);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCGACGCCGCGTGGAGGAAGAAGG
TCTTCGGATTGTAAACTCCTATTGTTAGGGACGATAATGACGGTACCTAACAAGGAAGCACCGGCTAACTACGTGCCA
GCAGCCGCGGGAAAACGTAGGTCGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGAAGACA
AGTTGGAAGTGAAATCTATGGGCTCAACCCATAAACTGCTTTCAAAACTGTTTTTCTTGAGTAGTGCAGAGGTAGGCG
GAATCCCCGGTGTAGCGGTGGAATGCGTAGATCTCGGGAGGAAAACCAGTGGCGAAGGCGGCCTACTGGGCACTAA
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>OTU3181;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.9
280),f:"Prevotellaceae"(0.7068),g:Prevotella(0.3479);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
CCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCTTATTGCAGGTACCCTGTGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCCGACGTATAAGCGTGTAGTGAAATGTCGCGGCTCAACCGGGGCAGTGCATCGCGAACTGGGTGTCTT
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138),f:Bacteroidaceae(0.1485),g:Bacteroides(0.0326);

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>OTU3185;tax=d:Archaea(0.0024),p:Parvarchaeota(0.0000),g:Candidatus_Parvarchaeum(0.0000);

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GCAACAACTGAACGGACTGGAAACACTGGTCATAATCATGGTGGCGAATAAGTACGCGTTCTTGCAAATCACCAGAA
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781),f:"Prevotellaceae"(0.0252),g:Alloprevotella(0.0076);
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ococcaceae(0.1872),g:Clostridium_III(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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cillaceae(0.0000),g:Lactobacillus(0.0000);
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ales"(0.2039),f:Sphingobacteriaceae(0.0904),g:Parapedobacter(0.0134);
ACGGAAGGCAGCAGTAAGGGATATTGGTCAATGGGCGGGAGCCTGAACCAGCCATGCCGCGTGAGGGATTGAGGC
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395),f:"Prevotellaceae"(0.1485),g:Prevotella(0.0230);
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diaceae_1(0.2524),g:Clostridium_sensu_stricto(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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846),f:"Prevotellaceae"(0.6709),g:Prevotella(0.3043);
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>OTU3191;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Rumin
ococcaceae(0.1679),g:Oscillibacter(0.0157);
ACGGAAGGCAGCAGTGGGGGATATTGGACAATGGACGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGTC
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diaceae_1(0.2524),g:Clostridium_sensu_stricto(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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280),f:"Prevotellaceae"(0.1485),g:Alloprevotella(0.0326);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCCGAACCAGCCAAGTCGCGTGCAGGATGACGGC
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280),f:"Prevotellaceae"(0.8864),g:Prevotella(0.3915);
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0.0000),f:Actinomycetaceae(0.0000),g:Actinomyces(0.0000);
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039),f:"Prevotellaceae"(0.0904),g:Prevotella(0.0181);
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t(0.0000),g:Bacillariophyta(0.0000);
TCTCGGTATAAGTCAAAGCACCTTTCGCGTTCCGGTCCTGCATTTCTTTAGTCGCAGTCGGCGGACCACGAACAAGCG
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CCATCAGCTTTCCCGTCTTTCCAGAAATTGTTCCACGTATCGGCAACAGCTTTATCCATACCATGAAAAATATCAACCACACCAGAAGCAGCATCAGTGACGACATTAGAAATATCCTTTGCAGTAGCGCCAATATGAGAAGAGCCATACCGCTGATTCTGCGTTTGCTGATGAACTAAGTCAACCTCAGCACTAACCTTGCGAGTCATTTCTTTGATTTGGTCATTGGTAAAATACTGACCAGCCGTTTGAGCTTGAGTAAGCATTTGGCGCATAATCTCGGAAACAAGCTGTTGCAAGCAAAGATGCCTAATTGCCATAA

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ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAATGCCGCGTGAGTGAAGAAGGTCTTCGGATTGTAAAGCTCTTTGATTAGGGACGAAAAAATGACTGTACCTAAAGAACAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAGAGGCAAGTCTGATGTGAAAACCCGGGGCTCAACCCCGGGAGTGCATTGGAAACTGTTTATCTGGAGTGCCGGAGGGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTAGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

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ACGGGAGGCAGCAGTAAGGGATATTGGTCAATGGGCGGGAGCCTGAACCAGCCATGCCGCGTGAGGGAATGAGGCCCTACGGGTCGTAAACCTCTTTTGCCGGGGGATAACGGGCGCCACGCGTGGCGCCGTGAAGGTACCCGGAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGACTGGCAAGTCTGATGTGAAAGGCATGGGCTCAACCTGTGGACTGCATTGGAAACTGTTAGTCTTGAGTGCCGGAGGGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGACAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

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ococcaceae(0.8864),g:Faecalibacterium(0.5239);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGAGGAAGAAGGT
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ococcaceae(0.0252),g:Oscillibacter(0.0066);
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,f:Cytophagaceae(0.0099),g:Pontibacter(0.0046);
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ospiraceae(0.3884),g:Coprococcus(0.0808);
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AGCAGCCGCGTTAATACGTAGGTGGCAAGCTTTGTCCGGATTTACTGGGTGTAAAGGGCGTGCAGCCGGGTCTGCAA
GTCAGATGTGAAATCCATGGGCTCAACCCATGAACTGCATTTGAAACTGTAGATCTTGAGTGTCGGAGGGGCAAGCG
GAAATCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATGGCAGGACGATA
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>OTU3264;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8267),c:Sphingobacteriia(0.2321),o:"Sphingobacteri
ales"(0.1015),f:Sphingobacteriaceae(0.0355),g:Olivibacter(0.0076);
ACGGGAGGCAGCAGTAAGGGATATTGGTCAATGGGCGGTAGCCTGAACCAGCCATGTCGCGTGAGGGAATAAGGC
CCTACGGGTCGTAAACTTCTTTTGTCTGGGGATAACGTGCGCCACGTGTGGCGCCTTGTATGTATTCTGTGAATAAGC
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AATACAGTAGAGGCGGGCGGAATGCGGCGTGTAGCGGTGAAATGCATAGATATGACGAAGAACACCGATAGCGAA
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>OTU3266;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:Sphingobacteriia(0.2321),o:"Sphingobacteri
ales"(0.1015),f:Sphingobacteriaceae(0.0355),g:Parapedobacter(0.0087);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGATGGAAACCTGATCCAGCCACGCCGCGTGCAGGAAGACGGT
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>OTU3263;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Rumin
ococcaceae(0.1485),g:Intestinimonas(0.0326);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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>OTU3269;tax=d:Bacteria(0.0058),p:"Spirochaetes"(0.0000),c:Spirochaetia(0.0000),o:Spirochaetales(0.000
0),f:Leptospiraceae(0.0000),g:Leptospira(0.0000);
CGCAGCGCCGCGCACGAGCGCGGTCAGTAGCACTCCCAACTTTGTTACTCGTCAGAAACTCGAAATCATCTTCGGTTA
AATCCAACACGGCAGCAGCCTGAATGAGCTTAATAGAGGCCAAAGCGGTCTGGAAACGTACGGATTGTTCAGTAACT
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AAGAGAATCTCTACCATGAACAAAATGTGACTCAGATCTAAACCAGTCCGTGACGAACGTGCCAAGCATATTAAGCC
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>OTU3267;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Lachn
ospiraceae(0.4914),g:Clostridium_XlVa(0.3043);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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>OTU3268;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Ruminococcaceae(0.1485),g:Clostridium_IV(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGGACGTGACGGTACATGGAGAAAAAGCAACGGCTAACTACGTGCCTGAAGCCGCGGCAATACGTAGGGGGCGACCGTTGTCCGGACTTACTGGGTGTAAAGGGAGCGCAGGCGGGACTGCAAGTTGGATGTGAAATGCCGCGGCTTAACTGCGGAGCTGCATCGAAAACTGTAGTTCTGGAGTGGAGGAGAGGCAAGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTCCAACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3271;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.9606),f:Bacteroidaceae(0.8505),g:Bacteroides(0.7643);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGAGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTCTATGGGTCGTAAACTTCTTGTATATAAGAATAAAGGGCAGTATGTATACTGTATTGTATGGATAATATGAATAAGGATCGGCTAACTCCGCGACAGCAGCCGCGGTAATACGGAGGATCCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGGTAAGTCAGTTGTGAAATTTTGCGGCTTAACCGTAAAATTGCATTTGATACTGTCAGTCTTGAGTACAGTAGAGGTGTGCGGAATTCGTGGTGTAGCGGTGAAATTCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGACTACAACTGACACTGATGCTCGAAAGTGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU3272;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Ruminococcaceae(0.2184),g:Acetivibrio(0.0326);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGGAACCCTGACGCAGCAACGCCGCGTGAAGGAAGAAGGTCTTCGGATCGTAAACTTCTGTCTTCAGGGACGAAAACTGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGACTGCAAGTCAGATGTGAAATACCGGGGCTCAACTCCGGGGCTGCATCTGAAACTGTGGTTCTTGAGTGCCGGAGAGGGAAGCGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACATTAACTGACGCTGAGGAGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3270;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Clostridiaceae_1(0.4914),g:Clostridium_sensu_stricto(0.2171);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGCTTTTAGGGACGATAATTACGGTACCTGAGGAGGAAGCCATGGCTAACTTCGTGCCAGCAGCCGCGGTAATACGCAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGTGAGCGTAGGCGGAATTTTAAGTGAGATGTGAAATACCCGGGCTCAACGTGGGTGCTGCAGTTCAAACTGGTAGTCTAGAGTGCGGAAGAGGAGAGTAGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGGTTCTCTGGAGTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU3273;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Erysipelotrichia(0.8048),o:Erysipelotrichales(0.5395),f:Erysipelotrichaceae(0.3544),g:Turicibacter(0.1299);
ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGAATGATGAAGGCCTTCGGGTTGTAAAATTCTGTTATAAGGGAAGAACGACTTTAGTAGGAAATGGCTAGAGTGTGACGGTACCTTATGAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGTGTAGGCGGGACTGCAAGTCTGATGTGAAAATTACGGGCTCAACCCGTAACCTGCGTCTGAAACTGTGGTTCTTGAGAGTGGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTTACTGACACTGAGGCACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3274;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Ruminococcaceae(0.2864),g:Acetanaerobacterium(0.0519);
CCTTCCTTCATCATTGTTTTCTCTTTCCCCCTGTTTTCCACCCTGATGCAGCGACGCCGCGTGAGGGAAGACGGTCCTCTGGATTGTAAACCTCTGTCTTCGGGGACGAAAGAAGACGGTACCCGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGCAGGCAAGTCAGGCGTGAAATATATCGGCTCAACCGGTAGCTGCGCTTGAAACTGCAGGTCTTGAGTGAAGTAGAGGTTGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCAACTGGGCTTTTACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3275;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Ruminococcaceae(0.1291),g:Clostridium_IV(0.0230);
ACGGAAGGCAGCAGTGGGGAATATTGCAAAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGGTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCAGTGCAAGTCTGATGTGAAATACTTGGGCTTAACCCACGAACTGCATTTGAAACTGTTATTCTTGAGTGAAGTAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATAAGGAGGAACACCAGTGGCGAAGGCGGTCTTCTGGGCTTTAACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU3276;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Ruminococcaceae(0.3884),g:Oscillibacter(0.0423);
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>OTU3277;tax=d:Bacteria(1.0000),p:Firmicutes(0.2586),c:Clostridia(0.1159),o:Clostridiales(0.0473),f:Syntrophomonadaceae(0.0113),g:Thermosyntropha(0.0056);
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>OTU3279;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Clostridiaceae_1(0.4914),g:Clostridium_sensu_stricto(0.1735);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGGCCCTCGGGTTTGAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGAAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTTTTAAGTGCGATGTGAAATACCCGGGCTTAACTTGGGTGATGCATTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAAGGGAATTCCTAGTGTAGGGGTGAAATGCGTAGAGATTAGGAAGAAAACCAGTGGGGAAGGCGATTCTCTGGACTGTAACTTACGCTGAGGCTCGAAAGCCTGGGGAGGAAACAGGATTTGATACCCTGGTA
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ACTTAATTCAGCAGTTTTTAATATTTTTCAATTTTCTAAAGCCTGACCCAGCAACGCCGCGTGGAGGAAGAAGGTTTTCGGATCGTAAACTCCTGTCCTCAGGGAAGAGAAGGAGACGGTACCTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCTCGGTAAGTCTGGAGTGAAAGTCCTGGCTTCAAGTTGGGAATTGCTTTGGATACTGTCGGGCTTGAGTGCAGGAGAGGTTAGTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGAGATTGGGAGGAACACCAGTGGCGAAGGCGACTAACTGGACTGTAACTGACGCTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
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ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGGTTTCGGCTCGTAAACCTCTGTCCTATGGGACGAGGGAGGTGACGGTACCAAAGGAGGAAGCCCCGGCTACCAACGTGCAGGAAGCCCCGATAATCCGAAGGGGGCGAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCTGGTAAGTCTGGTGTGAAAGTCCTGCTTTTAAGGTGGGAATTGCTTTGGATACTGCTGGGCTTGAGTGCAGGAGAGGTAAGCGGAATTACCGGTGTAGCGGTGAAATGCGTAGAGATTGGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGAAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
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ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGTATTTCGGTTTGTAAAGCTCTATCATCAGGGACGATGATGACGGTACCTGCGCAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGAATTTTAAGTGAGATGTGAAATACCGGGGCTTAACGTGTGGGCTGCATTGCAAACTGGAAGTCTTGAGTGCAGGAGAGGAAAAGGGAATTCCTAGTGTAGTGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGGTTTACTGGACGGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
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CTTTTCTTTCTTCTTTTTCCTTCTTTCCTCCTCCCCCTCCGCCTCCTCTTTCTGGCTCTTCTCATATTGGCGCTACTGCAAAGGATATTTCTAATGTCGTCACTGATGCTGCTTCTGGTGTGGTTGATATTTTTCATGGTATTGATAAAGCTGTTGCCGATACTTGGAACAATTTCTGGAAAGACGGTAAAGCTGATGGTATTGGCTCTAAGTTGTCTAGGAAATAACCGTCAGGATTGACACCCTCCCAATGGTAGGTTTTCATGCCTCCAAATCGTGGAGGCTTTTTGATGGTTCGTTCTTAGTACCCTTCTGAATGGCACGCTG
>OTU3286;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Lachnospiraceae(0.1291),g:Parasporobacterium(0.0181);

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ospiraceae(0.0710),g:Parasporobacterium(0.0134);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGACTGAAGAAGTA
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ococcaceae(0.2864),g:Ruminococcus(0.0808);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGT
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streptococcaceae(0.1872),g:Clostridium_XI(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
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395),f:"Prevotellaceae"(0.1291),g:Paraprevotella(0.0230);

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0),f:Veillonellaceae(0.0000),g:Dialister(0.0000);
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639),f:Bacteroidaceae(0.0710),g:Bacteroides(0.0157);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCACGTCGCGTGAGGGACGAAGGC
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GCGTAGGTGGGTTGTTAAGTCAGCGGTGAAAGTTAGTGGCTCAACTAATGAACTGCAGTTGAAACTGTCGAGCTTGA
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>OTU3290;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Lachn
ospiraceae(0.1098),g:Blautia(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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CCAGCAGCCGCGGTAATACGTAGGTTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGCAAAG
CAAGCCAGAGGTGAAAACCCGGGGCTCAACCCCGAGGATTGCCTTTGGAACTGTTATGCTGGAGTGCTGGAGGGGC
AGGCGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGAC
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>OTU3291;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Erysipelotrichia(0.9462),o:Erysipelotrichales(0.85
20),f:Erysipelotrichaceae(0.7068),g:Turicibacter(0.5720);

ACGGAAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGAATGATGAAGGC
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GAAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGAATTATTGGGCGT
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CGGCTTGAGTGCAGAAGAGGGGAGTAGAATTCCATGTGTAGCGGTGAAATGCGTAGAGATATGGAGGAACACCAG
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GGTA

>OTU3296;tax=d:Archaea(0.0014),p:"Euryarchaeota"(0.0000),c:Halobacteria(0.0000),o:Haloferacales(0.00
00),f:Haloferacaceae(0.0000),g:Halorubrum(0.0000);

GGCTTTTTTATGGTTCGTTCTTATTACCCTTCTGAATGTCACGCTGATTATTTTGACTTTGAGCGTATCGAGGCTCTTAA
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TCAAGCTCTTGGTAGATATTCTGTCTTTTCGTATTCAGGGCGTTGAGTTCGATAATGGTGATATGTATGTTGACGGCCA
TAAGGCTGCTTCTGACGTTCGTGATGAGTTTGTATCTGTTACTGAGAAGTTAATGGATGAATTGGCACAATGCGACAA
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>OTU3294;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:"Bacteroidia"(0.5579),o:"Bacteroidales"(0.2
999),f:"Porphyromonadaceae"(0.0904),g:Tannerella(0.0110);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGTAGCCTGAACCAGCCAAGTCGCGTGAGGGACGACGGC
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AGTACGTACGGGGCAGGCTGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGAAGGACCCCGATCGCGAAG
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>OTU3295;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Gracili
bacteraceae(0.0904),g:Lutispora(0.0181);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTAAGGGAAGAAGGT
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>OTU3297;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9736),c:"Bacteroidia"(0.8897),o:"Bacteroidales"(0.7
623),f:Bacteroidaceae(0.3544),g:Bacteroides(0.1299);

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>OTU3299;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Clostri
diaceae_1(0.0355),g:Clostridium_sensu_stricto(0.0087);
CCGGGAGGCAGCAGTAGTTCCTATTGGGCCATGGTCGACAGCCTGACCCAGCAACACCGCGTGAATGATGAAGGTCT
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252),f:"Porphyromonadaceae"(0.3204),g:Parabacteroides(0.0904);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGAGAGGCTGAACCAGCCAAGCCGCGTGAAGGAAGAAGGA
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ospiraceae(0.2184),g:Clostridium_XlVa(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGCAACCCCGATGCAGCCACGCCGCGTGACTGAAGAAGTC
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CAGCCGCGGTATTACGTAGGAGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGATGCAAG
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GAATTCATGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTGACTGGACAGTTA
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>OTU3301;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Clostri
diaceae_1(0.0457),g:Caloramator(0.0110);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGC
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es(0.4652),f:Rhodocyclaceae(0.2864),g:Azoarcus(0.0808);
ACGGGAGGCAGCAGTGGGGAATTTTGGACAATGGGGGCAACCCTGATCCAGCAATGCCGCGTGAGTGAAGAAGGC
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GGTA
>OTU3304;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4
652),f:"Porphyromonadaceae"(0.1291),g:Parabacteroides(0.0230);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGGAGCCTGAACCAGCCAAGTCGCGTGAGGGACGAAGGC
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>OTU3305;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Bacilli(0.4428),o:Lactobacillales(0.2039),f:Lactoba
cillaceae(0.0904),g:Lactobacillus(0.0181);
ACTTTATTCCTCATTTGTTTCTATTGCGCAATGGGGGCAACCCTGCCGCAGCAACGCCGCGTGAACGATGAAGGCCTT
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>OTU3308;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Lachn
ospiraceae(0.0904),g:Clostridium_XlVa(0.0134);

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>OTU3306;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Clostri
diaceae_1(0.1679),g:Clostridium_sensu_stricto(0.0326);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGAAGAAGGC
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>OTU3307;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Rumin
ococcaceae(0.2524),g:Oscillibacter(0.0204);

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>OTU3309;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8808),c:"Bacteroidia"(0.7114),o:"Bacteroidales"(0.4
280),f:Bacteroidaceae(0.2524),g:Bacteroides(0.0712);

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>OTU3311;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Pepto
coccaceae_2(0.0252),g:Desulfotomaculum(0.0076);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGG
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ospiraceae(0.1679),g:Clostridium_XlVa(0.0423);
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diaceae_1(0.5273),g:Clostridium_sensu_stricto(0.3479);
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ococcaceae(0.5273),g:Oscillibacter(0.0808);
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diales_Incertae_Sedis_XI(0.0560),g:Sporanaerobacter(0.0134);

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diaceae_1(0.5991),g:Clostridium_sensu_stricto(0.4351);
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diaceae_1(0.3884),g:Clostridium_sensu_stricto(0.1735);
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diaceae_1(0.3204),g:Clostridium_sensu_stricto(0.0808);
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diaceae_1(0.1872),g:Clostridium_sensu_stricto(0.0326);

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coccaceae_2(0.0904),g:Desulfotomaculum(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACTCAGCAACACCGCGTGAGGGAAGAAGGT
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395),f:"Rikenellaceae"(0.3544),g:Alistipes(0.1299);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
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>OTU3310;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Clostri
diaceae_1(0.1872),g:Clostridium_sensu_stricto(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAATGCCGCGTGAGTGATGAAGGC
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889),f:Bacteroidaceae(0.5991),g:Bacteroides(0.4351);

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CAGGAGAGGTGAGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAG
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280),f:Bacteroidaceae(0.1485),g:Bacteroides(0.0326);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGATCCAGCGAAGTCGCGTGAACGATGACTTCC
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bacteraceae(0.0904),g:Lutispora(0.0181);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
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>OTU3324;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Rumin
ococcaceae(0.3884),g:Oscillibacter(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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CAGCGGCCGAGGTAATACGTAGGGGGCAGGCATTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGTCGGC
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249),f:"Porphyromonadaceae"(0.0149),g:Parabacteroides(0.0066);

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>OTU3326;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Lachn
ospiraceae(0.1291),g:Clostridium_XlVa(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCGGCGACGCAGCGTGACGGAAGAAGTA
TTTAGGGATGGAAAGGTCTATCAGCAAGGAAGAAAATGAAGGTACGTGGCAAAGAAGCCCCGGATAACGAGGAGC
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>OTU3327;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Pepto
streptococcaceae(0.5273),g:Clostridium_XI(0.3479);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
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Chlamydiaceae(0.0000),g:Chlamydia(0.0000);
GTGAATCCTCGAATCTTTGAACACACCTTGCGCTCCTTGGTATTCCGAGGAGCATGCCTGTTTGAGTGTCATTAAATTC
TCAACCCTTTCAGCTTTTGCGAGTTGATTTGGCTTGGATGTGGGGGTTGCGGGCTTCTCAGAAGTCGGCTCCTCTTAA
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ococcaceae(0.3544),g:Ruminococcus(0.0904);
ACGGAAGGCAGCAGTGGGGGATATTGGGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGT
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GCAGCCGCGGCAATACGTAGGGCCCAGGCATTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCAGAGCAA
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652),f:"Porphyromonadaceae"(0.1291),g:Parabacteroides(0.0230);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGCAGGACGAAGGC
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015),f:Prolixibacteraceae(0.0252),g:Sunxiuqinia(0.0076);
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diaceae_1(0.6350),g:Clostridium_sensu_stricto(0.3043);
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ococcaceae(0.4224),g:Ruminococcus(0.2171);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGC
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ococcaceae(0.8146),g:Gemmiger(0.0904);
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319),f:"Porphyromonadaceae"(0.1098),g:Barnesiella(0.0157);
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252),f:"Porphyromonadaceae"(0.1679),g:Parabacteroides(0.0423);
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ococcaceae(0.2184),g:Clostridium_IV(0.0204);
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roteobacteria_incertae_sedis(0.0000),g:Solimonas(0.0000);
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ospiraceae(0.1098),g:Parasporobacterium(0.0157);
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ococcaceae(0.1872),g:Ethanoligenens(0.0423);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGAAGGT
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diaceae_1(0.0904),g:Clostridium_sensu_stricto(0.0181);
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999),f:"Prevotellaceae"(0.1485),g:Prevotella(0.0110);
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AGCGTAGGCGGAAGTGCAAGTCAGCGGTGAAATCCCCGCGCTCAACGCGGGAGTTGCCGTGGATACTGTACAGCTG
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>OTU3346;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Bacilli(0.8897),o:Lactobacillales(0.6881),f:Lactoba
cillaceae(0.3884),g:Lactobacillus(0.1735);
ACGGGAGGCAGCAGTAGGGAATCCTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
CTTCGGATCGTAAAACTCTGTTGTTAGAGAAGAACACGAGTGAGAGTAACTGTTCATTCGATGACGGTATCTAACCAG
CAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAA
AGGGAGCGCAGGCGGGACTTCAAGTTGGATGTGAAAGGTCAAGGCTTAACCTTGGCACTGCATCCAAAACTGTAGTT
CTTGAGTGGAGTAGAGGTAAGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGC
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>OTU3348;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Negativicutes(0.9740),o:Selenomonadales(0.917
2),f:Veillonellaceae(0.9015),g:Mitsuokella(0.5239);
ACGGGAGGCAGCAGTGGGGAATCTTCCGCAATGGGCGCAAGCCCGACGGAGCAACGCCGCGTGAGTGAAGAAGGG
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diaceae_1(0.3544),g:Clostridium_sensu_stricto(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAAGGATGAAGGT
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GCAGGAGGGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGC
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766),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0615);
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GAGCGCAGGCCGTATGGTAAGCCAGTTGTGAAATGTCGTGGCTCAACCATGGCACTGCAGCGCGTACTGCCGTCCTT
GAGTACGCTGGAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACCCCGATTGCGAA
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ospiraceae(0.2864),g:Clostridium_XlVa(0.0712);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGATGCCGCGTGAGTGTAGAAGTA
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781),f:"Rikenellaceae"(0.0252),g:Rikenella(0.0076);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGC
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TGCGTAGGCGGCAGGTCAAGTGAGCTGTGAAATCCCCGCGCTCAACGCTGGATTTGCCGTTGATACTGTACATGTGG
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359),f:"Prevotellaceae"(0.0904),g:Prevotella(0.0157);
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ales"(0.0000),f:Sphingobacteriaceae(0.0000),g:Sphingobacterium(0.0000);
GAGCAGTAGACTCCTTCTGTTGATCCGCAAGCATCTCATTTTGTGCATATACCTAGTCTTTCGTATTCTGGCGTGCCGT
CGCCGCCTGAATGCCAGCAATCTCTTTTTGAGTCTCATTTTGCATCTCGGCAATCTCTTTCTGATTGTCCAGTTGCATTT
TAGTAAGCTCTTTTTGATTCTCAAATCCGGCGTCAACCATACCAGCAGAGGAAGCATCAGCACCAGCACGCTCCCAAG

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291),f:Prolixibacteraceae(0.0073),g:Meniscus(0.0039);
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coccaceae_2(0.0355),g:Desulfotomaculum(0.0087);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
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959),f:"Porphyromonadaceae"(0.0710),g:Parabacteroides(0.0157);
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955),f:"Prevotellaceae"(0.6709),g:Prevotella(0.2171);
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138),f:Bacteroidaceae(0.1485),g:Bacteroides(0.0326);
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bacteraceae(0.1872),g:Lutispora(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGGT
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ospiraceae(0.2184),g:Clostridium_XlVa(0.0519);
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0.0473),f:Flavobacteriaceae(0.0113),g:Kordia(0.0056);
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0.0781),f:Flavobacteriaceae(0.0252),g:Galbibacter(0.0076);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCAGGACTAAGGC
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023),f:"Prevotellaceae"(0.1872),g:Alloprevotella(0.0204);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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ococcaceae(0.7068),g:Oscillibacter(0.3043);
AAGGGAGGAAGAAGGGGGGAAGAGTGGGCAATGGACGCAAGTCTGACCCAGCAACGCCGCGTGAAGGAAGAAGG
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730),f:"Prevotellaceae"(0.9201),g:Prevotella(0.6200);
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719),f:"Porphyromonadaceae"(0.0355),g:Barnesiella(0.0087);
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ococcaceae(0.0457),g:Clostridium_III(0.0087);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGACGGT
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coccaceae_2(0.0113),g:Desulfotomaculum(0.0056);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAAAGCCGCGTGAGGGAAGAAGG
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ionales(0.7623),f:Desulfovibrionaceae(0.4563),g:Desulfovibrio(0.1299);
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359),f:Bacteroidaceae(0.1098),g:Bacteroides(0.0204);
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GAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTTTCCAGCGCGCTAC
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>OTU3370;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Lachn
ospiraceae(0.1679),g:Blautia(0.0326);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
CTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGCGCTAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAATGGCAA
GTCTGATGTGAAAGGCAGGGGCGTAACCCCTGGACTGCATTGGAAACTGTCAGGCTAGAGTGCCGGAGAGGCAAGC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCTGTGGCGAAGGCGGCCTGCAGGACGGTA
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>OTU3376;tax=d:Bacteria(0.0024),p:"Bacteroidetes"(0.0000),c:"Bacteroidia"(0.0000),o:"Bacteroidales"(0.0
000),f:Bacteroidaceae(0.0000),g:Acetomicrobium(0.0000);
GGGATCGTCTGCGAGCGCTGTGGTGTTGAGGTCACCGAGAGCCGGATGCGTCGTCACCGCATGGGCTTCATCAAGCT
CGCTGCGCCGGTGTCCCATGTCTGGTACCTCAAAGGCATTCCCAGCTATGTGGCGATTCTGCTGGACATGCCCCTGCG
CGCTGTCGAGCAGATCGTCTATTTCAACTGCTACGTAGTCCTGGATCCAGGCGATCACAAAACCCTGAAGTACAAGCA
GCTGCTGACCGAAGACGAGTGGCTGGAGATCGAAGACGAGATCTTTGCCGAGGAATCGGAGATCGAGAACGAGCCT

GTGGTGGGCATCGGTGCTGAGGCGCTCAAGCAACTGCTCGAAGACCTCAATCTGGTGGAAGTGGCTGATCAGCTGC
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>OTU3373;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.9389),f:"Prevotellaceae"(0.8146),g:Prevotella(0.3043);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTATGGGTTGTAAACTGCTTTTATACGGGGATAAAGTGAGGCACGCGTGGCTTATTGTAGGTACCGTATGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCCGTCTGTTAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGAATTGCATCGCGAACTGGCAGACTTG
AGTGCACGGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAG
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>OTU3375;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5023),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0712);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
CCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTACGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
TGCGTAGGCGGACGATTAAGTCAGCGGTGAAAGCGTGTGGCTCAACCATACCACTGCCGTTGATACTGGCGAGCTTG
AGTACGTACAGGGCAGGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACCCCGATCGCGAAG
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>OTU3374;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:"Bacteroidia"(0.1740),o:"Bacteroidales"(0.0781),f:"Porphyromonadaceae"(0.0149),g:Parabacteroides(0.0066);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCACGCCGCGTGAAGGACTAAGGC
CCTATGGGTCGTAAACTTCTTTAGACGCAGAGAAATAAGGGTCTCGTGAGATCTGATGAGAGTATGCGTAGAATAAG
CATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATCCAGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGG
TGCGTAGGCGGAAGTGCAAGTCAGCGGTGAAATCCCCGCGCTCAACGCGGGAGTTGCCGTTGAAACTGTACAGCTG
GAGTGCTCTTGCGATGGGAGGAATGAGTAGTGTAACGGTGAAATGCATAGATATTAGGCAGAACACCGATTGCGAA
GGCATCCAACGGAGGGGCGATTGACGCTGAGGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU3377;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6036),c:"Bacteroidia"(0.0726),o:"Bacteroidales"(0.0473),f:"Porphyromonadaceae"(0.0113),g:Barnesiella(0.0046);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGCACCAGCCAAGTCGCGTGAAGGAGGACGGT
CCTACGGATTGTAAACACCTTTTGTCGGGAGGTAACGTGCGGGACGCGTCCCGTTTTTAAATTACCTGAAGCAAAAGA
ATCGGCTAACTCCGTGCCAGGAGCCGCGGTAATACGGTAGGGAGGGGCGTTATCCGGATTTATAGGGTTTAACGGG
AGCGCAGGCGGCGCGCCAAGTCTACGGTCAAACTCCCGGCCTCAACCTGGTGTTGCCTCTGAAACTGGCGAGCTCGA

GTGCGTGCGAGGAAGGCGGAATTCGTTGTGTAGCGGTGAAATGCATAGATATGACGAAGAACACCGATTGCGAAGG
CAGCTGTCCAGCGGACTACTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU3378;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Rumin
ococcaceae(0.4224),g:Intestinimonas(0.0230);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
TTTCGGGTTGTAAACTTCTTTTGTCAGGGACGAACCAAATGACGGTACCTGACGAATAAGCCACGGCTCACTACGTGC
CATCAGCCGCGTTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTCAAGGGCGTGTAGGCGGGAGTGC
GAGTCAGATGGGAAAATTATGGCAGAAACCCGTAACCTGCAGTTGAAACTGTACGGATTGAGTACGGGAGAGGCAG
GCGGAATGACGTGTGTAGCGGGGAAATGCGTAGATATACGGAGGAACACCAGGGGCGAAGGCGGCCTGCTGGACA
GCAACGGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGAGACCCTGGTA
>OTU3380;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:Sphingobacteriia(0.1159),o:"Sphingobacteri
ales"(0.0547),f:Sphingobacteriaceae(0.0149),g:Olivibacter(0.0066);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGC
CCTACGGGTCGTAAACTCCTTTAGACGCAGAGCAATAAGCTCCACGCGTGGACCGATGAGAGTATGCGTAGAATAAG
CATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGGGCGTTATCCGGATTCATTGGGTTTAAAGGG
TGCGTAGGCGGCTGAGTAAGTCAGCAGTGAAAGCCCGGGGCTCAACCCTGGAAGTGCCGTTGATACTGTTTGGCTA
GAGTGATACAGACGCGAGAGGAATGAGTGGTGTAGCGGTGAAATGCGTAGATATCACTCAGAACACCGATTGCGAA
GGCGTCTAGCGAGGGGTAAATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU3381;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4
652),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0615);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCATGCCGCGTGCAGGAAGACGGC
CCTATGGGTTGTAAACTGCTTTTATAGGGGGGTAAAGTGAGCTACGTGTGGCACTTTGCAGGTACCCTATGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCAGGCGTTATCCGGATTTATTGGGTTTAAAGGG
TGCGTAGGCCGTCTGTTGAGCGGGTGGTGAAATGGCGGGGCTCAACCTGGGCAGTGCCTCGCGAACTGGTGGACTT
GAGTGGGCAGGAGGTAGGCGGAATGTGTGGTGTAGCGGTGAAATGCTTAGATATGACGCAGAACACCGATTGCGA
AGGCAGCTTGCGGAAGCGTGATTGACGCTGAGGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU3379;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.5174),c:"Bacteroidia"(0.2902),o:"Bacteroidales"(0.1
249),f:"Prevotellaceae"(0.0457),g:Prevotella(0.0076);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTATGTGTTGTAAACTGCTTTTTCGCGGGGATAAAGAGGGGGACTTGTCCCCCGTTGCAGGTACCGCGTGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTACTGGGTGTAAAGG
GCGCGTAGGCGGGGATACAGGTCAGGTGTGAAATCTATGGGCTTAACCCATAAACTGCACTTGAAACTGTATCTCTT

GAGTGTCGGAGAGGTAGACGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGA
AGGCGGATTGCTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3383;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.9
063),f:"Prevotellaceae"(0.7068),g:Prevotella(0.2607);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTATGGGTCGTAAACTGCTTTTATATGGGGATAAAGTGAGCCACGTGTGGCTTATTGTAGGTACCGTATGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCCGTCTGTTAAGCGTGATGTGAAATGTCGGCGCTCAACCGGTGAATTGCGGCGCGAACTGGCAGACTT
GAGTGCACACGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAA
GGCAGCCTGCTGTAGTGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU3382;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.7547),c:Gammaproteobacteria(0.4045),o:Xanthom
onadales(0.1719),f:Xanthomonadaceae(0.0710),g:Lysobacter(0.0110);
ACGGGAGGCAGCAGCTAAGAATATTGGACAATGGGCGCAAGCCTGATCCAGCCATGTCGCGTGAGTGAAGAAGGCC
TTCGGGTTGTAAAGCTCTTTTAATAGGGAAGATGATGACGGTACCTATAGAATAAGCACCGGCTAACTTCGTGCCAGC
AGCCGCGGTAATACGAAGGGTGCAAGCGTTGTTCGGTTTTACTGGGTGTAAAGGGTGTGTAGGCGGGATTGCAAGT
CGGATGTGAAAACTATGGGCTCAACTCATAGCCTGCATTCGAAACTGTAGTTCTTGAGGGTCGGAGAGGTAACTGGA
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GACGCTGAGACACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3384;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Bacilli(0.9180),o:Lactobacillales(0.6881),f:Lactoba
cillaceae(0.4563),g:Lactobacillus(0.1299);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCCATGCCGCGTGAGTGAAGAAGGCT
TTCGGATTGTAAAGCTCTGTTGTTGGTGAAGATGGTTAGAGGTAGTACCTGGCCTTTATTTGATGGTAATCAACCAGC
AAGTCCCGGCTAACTACGTGCCAGCAGCCGCTGTAGTACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAA
GGGAGTGCAGGCGGGAAACTAAGTCTAAAGTGAAATCCCTCGGCTTAACCGAGGAACTGCATTGGAAACTGTTTTTC
TAGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAGGAACACCAGTGGC
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>OTU3386;tax=d:Bacteria(0.0024),p:"Chloroflexi"(0.0000),c:Ktedonobacteria(0.0000),o:Ktedonobacterales(
0.0000),f:Thermosporotrichaceae(0.0000),g:Thermosporothrix(0.0000);
ACCTAGTGCCATGCTCAGTAACACCGAAACGCGGCCCAGACTGTTTATAGGTCTGTTGCCCACGACCAGAAAACTGTC
CTAACGACGTTTGTTCAGTTCCATCAACATCATAGCCAGATGCCCAGAGATTAGAGCGCATGACAAGTAAAGGACGG
TTGTCAGCGTCATAAGAGGTTTTACCTCCAAATGAAGAAATAACATCATGGTAACGCTGCATGAAGTAATCACGTTCT
TGGTCAGTATGCAAATTAGCAGAAGCAGCGTGCAGACCAATAATGACAATAGATGTGGTAGAAGTAGTCATTGGGC
GAGAAAGATCAGTCGCAGGAGGAAGCGGAGCAGTCCAAATGTTG

>OTU3389;tax=d:Bacteria(0.0024),p:Firmicutes(0.0000),c:Bacilli(0.0000),o:Bacillales(0.0000),f:Paenibacillaceae_1(0.0000),g:Paenibacillus(0.0000);

GATGAGGGTCAGTGGTATCGTTATGGGCCTTCGGAGGGGGAGAGTGCGGAGAACCTGAGGGAAGGCTTCCCATTCATTCAGGAACCGCCTTCTGGTGATTTGCAAGAACGCGTACTTATTCGCCACCATGATTATGACCAGTGTTTCCAGTCCGTTCAGTTGTTGCAGTGGAATAGTCAGGTTAAATTTAATGTGACCGTTTATCGCAATCTGCCGACCACTCGCGATTCAATCATGACTTCGTGATAAAAGATTGAGTGTGAGGTTATAACGCCGAAGCGGTAAAAATTTTAATTTTTGCCGCTGAGGGGTTGACCAAGCGAAGCGCGGTAGGTTTTCTGCTTAGGAGTTTAATCATGTTTCAGACGTTTATTTCTCGCCATA

>OTU3385;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9769),o:Clostridiales(0.9606),f:Lachnospiraceae(0.8505),g:Blautia(0.5239);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTATCTCGGTATGTAAACTTCTATCAGCAGGGAAGATAGTGACGGTACCTGACTAAGAAGGCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTCGGGGGCAAGGGTAATCCGGATTTACTGGGTGTAAAGGGGGCGTAGACGGTGTGGCAAGTTTGATGTGAAAGGCATGGGCTCAACCTGTGGACTGCATTGGATACTGGCATACTTGAGTGCCGGAGGGGTAAGCGGAAGTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU3388;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9867),c:Epsilonproteobacteria(0.9726),o:Campylobacterales(0.8955),f:Campylobacteraceae(0.7787),g:Campylobacter(0.6681);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGACGGTTTTCGGATTGTAAACTTCTTTTCTTTGTGAAGAAACAAATGACGGTAGCAAAGGAATAAGCATCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGAACCACTGGGCGTAAAGGACGCGTAGGTGGATAGATAAGTCTCTTGTGAAATCTAGTAGCTTAACTACTAAACTGCTTGGGAAACTATCTATCTAGAGTAAGGGAGAGGCAGATGGAATTCTTGGTGTAGGGGTAAAATCCGTAGATATCAAGAGGAATACTTATTGCGAAGGCGATCTGCTAGAACTTAACTGACACTAATGCGTGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU3390;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9776),o:"Bacteroidales"(0.9685),f:"Prevotellaceae"(0.8505),g:Prevotella(0.4787);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTTTGCCACGTGTGGCATATTGCAGGTACCGTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGGCTTATAAGCGTGTTGTGAAATGTCGGGGCTCAACCTCTGCACTGCAGCGCGAACTGTGATACTTGAGTGCGTAGGAAGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU3387;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Lachnospiraceae(0.1872),g:Ruminococcus2(0.0423);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGCGCAAGCCTGGTGCAGCGACGCCGCGTGAGTGAAGAAGTA
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GCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGCAAAGGGAGCG
CAGACGGACCTGCAAGTCTGATGTGAAAGCCCGGGGCTCAACCGCGGGACTGCATCGGATACTGTAGATCTGGAGT
GCCGGAGGGGCAAGCGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATCAGGAGGAACACCGGCGGCGAAGGC
GGCTTGCTGGACGGCAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3391;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Clostri
diaceae_1(0.5632),g:Clostridium_sensu_stricto(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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GTGAGATGTGAAATGCCCGGGCTCAACTCGGGTGCTGCATTTCAAACTGGAAGTCTAGAGTGAAGGAGAGGAGAAT
GGAATTCCTGGTGTAGCGGTGAATGCGTAGATATATGGAAGAACACCAGGGGCGAAGGCGGGTCTCTGGTCTGTAA
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>OTU3392;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Bacilli(0.9798),o:Lactobacillales(0.9606),f:Lactoba
cillaceae(0.9108),g:Lactobacillus(0.8124);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGG
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>OTU3393;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Rumin
ococcaceae(0.1872),g:Anaerofilum(0.0326);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGAGGAAACTCTGATCCAGCGACGCCGCGTGAGGGAAGACGGT
TTTCGGATTGTAAACCTCTGTCTTCGGGGACGAAAATGACGGTACCCGAGGAGGAAGCCACGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGACGGAGCTGCAA
GTCTGATGTGAAAGGCTGGGGCTTAACCCCAGGACTGCATTGGAAACTGTAGATCTTGAGTGCCGGAGAGGTAAGC
GGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCA
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>OTU3394;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Bacilli(0.6730),o:Lactobacillales(0.3959),f:Lactoba
cillaceae(0.2184),g:Lactobacillus(0.0615);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTT
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AAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAA
AGGGAGCGCAGGCGGACCGGCAAGTTGGAAGTGAAATCTATGGGCTCAACCCATAAATTGCTTTAAAAACTGCTGG
CCTTGAGTAGTGCAGAGGTAGGTGGAATTCCCGGTGTAGCGGTGGAATGCGTAGAGATAGGGAGGAACACCAGTG
GCGAAGGCGGCCTGCTGGGCTTTAACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGG
TA

>OTU3395;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.7
995),f:"Prevotellaceae"(0.4563),g:Prevotella(0.1299);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTGACCCTGAACCAGCCAAGTCGCGTGAGGGATGACGGC
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CAGCGGCTAAATCCGTGCCAGCAGCCGCGGTAAAACGGAGGAAGGGAGCGTTATCCGGATTCATTGGGTTTAAAGG
GAGCGTAGGCCGTCTGTTAAGCGTGTTGTGAAATGTCGTGGCTCAACCTGGGCATTGCAGCGCGAACTGGCAGACTT
GAGTGCGCATGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAA
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>OTU3397;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9867),c:"Bacteroidia"(0.6346),o:"Bacteroidales"(0.3
639),f:"Porphyromonadaceae"(0.1679),g:Parabacteroides(0.0157);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAATGT
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GCATCGGCTAACTCCGTGCCAGCAGCCGAGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGGTTAAAG
GGTGCGTAGGCCGGATGCCAAGTCAGCGGTAAACTTGGGGGGCCCAACCTCTACGAGCCGTTGAGACTGATGTTCTT
GAGTGTGAGAGAAGTATGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACTCCGATTGCGAA
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>OTU3396;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Bacilli(0.5963),o:Lactobacillales(0.3319),f:Lactoba
cillaceae(0.1679),g:Lactobacillus(0.0423);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
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AAGGGTGCGTAGGTGGTTTCTTAAGTCAGAGGTGAAAGGCTACGGCTCAACCGTAGTAAGCCTTTGAAACTGGGAA
ACTTGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTG
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>OTU3399;tax=d:Bacteria(0.0024),p:"Bacteroidetes"(0.0000),c:"Bacteroidia"(0.0000),o:"Bacteroidales"(0.0000),f:"Porphyromonadaceae"(0.0000),g:Porphyromonas(0.0000);

GGAATTGTCTGTGAGCGCTGTGGTGTGGAAGTCACAGAGAGCCGGGTGCGTCGCCACCGCATGGGCTTCATCAAGC
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GGGACGTTGAGCAGATTGTTTACTTCAACTGCTATGTGGTGCTGGATCCCGGTGACCACAAAGACCTGAAGTACAAG
CAGCTACTCACTGAAGATGAGTGGCTGGAAATTGAGGATGAGATCTACGCAGAAGACTCAGAGATTGAAAATGAGC
CCGTGGTGGGTATCGGTGCCGAGGCTCTCAAGCAGCTTCTCGAAGATCTCACTCTTGATGAGGTGGCCGAGCAGCTG
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>OTU3398;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Bacilli(0.7497),o:Lactobacillales(0.4652),f:Lactobacillaceae(0.2524),g:Lactobacillus(0.0712);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
TTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAG
AAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGATGCAAGCGTTATCCGGATTTACTGGGTGTAA
AGGGAGCGCAGGCGGGACTTCAAGTTGGATGTGAAAGGTCAAGGCTTAACCTTGGCACTGCATCCAAAACTGTAGTT
CTTGAGTGGAGTAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACATCGGTGGC
GAAGGCGGCTTACTGGGCTTTTACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU3401;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.9389),f:"Prevotellaceae"(0.8505),g:Prevotella(0.6200);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
CCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATAAG
GCCCGGCTAGTTCCGTGCCAGCAGCCGCGGTAATACGGATGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCCGACTTATAAGCGTGTCGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGTGCAAACTGTGAGTCTTG
AGTGCGCAGGAAGAAGGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAG
GCAGCCTGCTGTAGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU3400;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8897),o:"Bacteroidales"(0.7623),f:"Porphyromonadaceae"(0.4914),g:Butyricimonas(0.1735);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAATGT
CCTATGGATTGTAAACCTCTTTTGTCGGGGAGCAATGGGTTCTACGTGTAGAGCAAGAGAGAGTACCCGAAGAAAAA
GCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGG
GCGCGTAGGCGGGACGTCAAGTCAGTGGTAAAAGACTGCAGCTAAACTGTAGCACGCCGTTGAAACTGGCGCCCTG
GAGACGAGACGAGGGAGGCGGAACAAGTGAAGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGA
AGGCAGCCTGCTGTAGCGTAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU3402;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Bacilli(0.8755),o:Lactobacillales(0.6509),f:Lactobacillaceae(0.4224),g:Lactobacillus(0.1299);
ACGGGAGGCAGCAGTCGGGAATCTTCCACAATGGAAGCAAGTCTGAAGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTAGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCGTTACTTGACGGTAATCAACAAGAAAGTCACGGCTAACTACGAGCAAGCAGCCGCGGTAATACGGAGGTGGCAAGAGTAGTACGGATTTATTGGGCGGAAAGCGCGCGCAGGCGGAAAAATAAGTCTAAGGTGAAAACCCTCTGCTTAACCGAGGAACTGCATCGTAAACTGTTTGTCTTGAGTGCAGTATGGGAGAGTGGAATTCTATGTGTAGCGGTGAAATTCGTAGATATATGGAAGAACACCAGTTGCGAAGGCGGCTCGCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCGTGGGTAGCGAACAGGATTAGATACCCTTGTA
>OTU3403;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:"Bacteroidia"(0.0726),o:"Bacteroidales"(0.0473),f:"Marinilabiaceae"(0.0099),g:Anaerophaga(0.0046);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGACTGAACCAGCCAAGCCGAGTGAAGGACTAAGGCCCTATGGGTCGTAAACTTCTTTAGACGCAGAGCAATAAGGGTCTCGTGAGATCCGATGAGAGTATGCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGAAGTGCAAGTCAGCAGTGAAATCCCCGCGCTCAACGCGGGAGTTGCCGTTGATACTGTACATCTGGAATGCTCTTGCCGTGGGAGGAATGAGTAGTGTAGCGGTGAAATGCATAGTTATTACTCAGAACACCCAGTGCGAAGGCATATCACGACGCGTCGATTGACGCTGAGTCTCGAGAGCTAGGGTATCGAGCAGGATTAGATACCCTGGTA
>OTU3404;tax=d:Archaea(0.0024),p:"Crenarchaeota"(0.0000),c:Thermoprotei(0.0000),o:Thermoproteales(0.0000),f:Thermoproteaceae(0.0000),g:Pyrobaculum(0.0000);
CTTTAGCGTTCCGGTACTGAATCTCTTTAGTCGCAGTAGGCGGCAAACGAACAAGCGCCCGTGTAAACATAGTGCCCTGCTCAGGCACAAAGCCACGCGGCACAGAATGTTTATAGGTCTGTTGAACACGACCAGAAAACTGGCCTAACGACGTTTGGTCAGTTCCATCAACATCATAGCCAGATGCCCAGAGATTAGAGCGCATGACAAGTAAAGGACGGTTGTCAGCGTCATAAGAGGTTTTACCTACAAATGAAGAAATAACATCATGGTAACGCTGCAGGAAGTAATCACGTTCTTGGTCAGTATGCAAATTAGCAGAAGAAGCTTGCAGAGCCATAATGTCAATAGATGTGGTAGAAGGCGGCATTTGGCGAGAAAGCTCAGTCGCAGGAGGAAGAGGAGCAGTCC
>OTU3405;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9540),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.5766),f:"Prevotellaceae"(0.2864),g:Alloprevotella(0.0519);
AGGGGAGGAAGAAGGGAGGAAGAGGGGGAAAGGGAGGAGAGGAGGAAAAAGACAAGGAGCGTGCAGGATGACGGCCCTCCGGGTTGTAAACTGCTTTTAGTTGGGAATAAAAAAGGCGACGTGTCGACTATTGTATGTACCATCAGAAAAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCAGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGAGAGATAAGTCCGCGGTAAAATCGTTCGGCTCAACCGTACCTCGCCGTTGATACTGTTTTTCTTGAGTGCACACAGGGATGCTGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATACGACGAAGAACTCCGATCGCGAAGGCAGGTGTCCGGGGTGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU3407;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8520),f:"Prevotellaceae"(0.5273),g:Prevotella(0.3479);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCTCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGCCATATTGCAGGTATTCTATGAATAAGGACCGGCTAACTCCGTGCCAGCAGCCGCGATAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTCGTCTTATAAGCGAGTTGTGAAATGTCGGGGCTCAACCTTGACATTGCAGTTCGAACTGTGAGACTTGAGTACGCAAGAGGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCTTGCTGTAGCGCAACTGACGCTGAGGCTCGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU3409;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9540),c:"Bacteroidia"(0.7114),o:"Bacteroidales"(0.4280),f:"Porphyromonadaceae"(0.1679),g:Parabacteroides(0.0204);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGATGACGGCCCTACGGGTTGTAAACCTCTTTTATAAGGGAATAAAGGACATCACGGGTGGTGTTTTGCATGTACCTTACGAATACGGATCGGCTAACTCCGTGCCAGCAGCCGCGCTAATACGGAGGTTTCGGGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGTTGACGAGTAAGTCAGCGGTGAAATTCAGGGGCTCAACCATTGAGTTGCCGTTGAAACTGGTTCGCTTGAGTACGAACAAGGCAGGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATTACGAAGAACCCCGATAGCGAAGGCAGCAAGCTAGACCGTAACTGACGCTGATGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU3406;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:"Bacteroidia"(0.5579),o:"Bacteroidales"(0.2999),f:"Prevotellaceae"(0.0710),g:Alloprevotella(0.0134);

ACGGGAGGCAGCAGTGGGGAATATTGGTCAATGGACGCAGGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTCCGGGTTGTAAACTTCTTTTATTTGGGAATAAAAAACGTGACGTGTCACCTATTGTATGTACCCTCAGAAAAAGCACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGCGAGAGAAGTCAGCGGTAAAAGTGTGCGGCTCAACCGGACGTCGCCGTTGATACTGGTTTGCTTGAGTGCACACAGGGATGCTGGAATGCGTTGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATCGCGAAGGCAGGTGTCCAGGGTGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU3408;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Ruminococcaceae(0.0710),g:Intestinimonas(0.0110);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGGTCTTCGGATTGTAAACCTTTGTAGACAGGGACGAAGACATGACGGTACCAGTAAAGTAAGCCACGGCACACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGTGTAAAGGGTGAGTAGGCGGGCTGACAAGTCGGATGTGAAATGTTCGGGCGTAACCTGGTAACTGCATTTGAAACTGCCAGTCTAGAGGGTCGGAGGGGTAAGCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCAGTGGCAAAGGCGGATTACTGGACGACAACTGACGTTGATACTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU3412;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8472),o:"Bacteroidales"(0.6509),f:"Prevotellaceae"(0.3204),g:Prevotella(0.0615);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGCAGGAAGACGGCCCTATGGGTTGTAAACTGCTTTTATAAGGGAATAGAGTGAGCCTCGAGACGCTTTTTGCATGTACCTTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGCTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTTGCAGATTAAGCGAGCGGTGAAAGGCAGTCGCTCAACGACTGAACTGCCGTGCAAACTGGTTGGCTTGAGTACGTACGGAGCGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGCAGAACCCCGATCGCGAAGGCAGCCTGCCAGGGCGTGACTGACGCTGATGCACGAAAGCGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU3410;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Clostridiales_Incertae_Sedis_XIII(0.1679),g:Mogibacterium(0.0423);

ACGGAAGGCAGCAGTAGGGAATCTTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAAGGATGAAGGCCTTCGGGTTGTAAACTTCTGTTCTTAGGGAAGAAGAAAGTGACGGTACCTCAGGAGAAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGGACGCGTAGGCGGATTATCAAGTCTGTTGTGAAATCTAATGGCTTAACCATTAAACTGCTTGAGAAACTGATAATCTAGAGTGAGGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTACTGGACTGTAACTGACGTTGAGGCACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU3411;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.3448),c:"Bacteroidia"(0.1740),o:"Bacteroidales"(0.0781),f:"Porphyromonadaceae"(0.0149),g:Porphyromonas(0.0066);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGTCCTACGGATTGTAAACTTCTTTTGTCGGGGAACAAAAGCCGCCACGCGTGGTGTATTGCGTGTACCCGAAGAAACAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAGATAAGTCTAATGTGAAAGCCATCGGCTTAACCGGGGAACTGCATCGGAAACTGTTAGTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCAAGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAGTTGCGAAGGCGGCTCTCTGGACTGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU3413;tax=d:Bacteria(0.9827),p:"Bacteroidetes"(0.5174),c:"Bacteroidia"(0.0525),o:"Bacteroidales"(0.0352),f:"Porphyromonadaceae"(0.0086),g:Porphyromonas(0.0043);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCTTGAACCAGCCATGCCGCGTGAAGGAATAAGGACCTATGGGTCGTAAACTTCTTTAGAAGCAGAGCAATAAGGGTCACGTGAGATACGATGAGAGTATGCGTAGAATACGCATCGGCTAACTCAGTGCCAGCAGCCGTGCTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGACGGAAGTGCAAGTCAGCGGTGAAATCCCCGCGCTCAACGCGGGAGTTGCCTTTGATACTGTACATCTGGAATGCTCTAGCCGTGGGAGGAATTAGTAGTGTAGCGGTGAAATGCATAGATATTACTAAGAACACCGATGGCGAAGGCAGCTCACGAAGGGGCGATTGACGCTGAGGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU3416;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Clostridia(0.9812),o:Clostridiales(0.9798),f:Lachnospiraceae(0.9015),g:Blautia(0.6681);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTATCTCGGTATGTAAACTTCTATCAGCAGGGAAGATAGTGAGTGTACCTGACTAATAAGCCCCGGCTAACTACGTGCCAGCAGCCGAGGGAAAACGTAGGGGACAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTGTGGCAAGTCTGATGTGAAAGGCATGGGCTCAACCTGTGCACTGCATTGGAAACTGTCATACTTGAGTGCCGGAGGGGTAAGCGGAATTCCAAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3414;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.9280),f:"Prevotellaceae"(0.8146),g:Prevotella(0.2171);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGCCCTATGGGTTGTAAACTGCTTTTATACGGGGATAAAGTGGGCCACGTGTGGCTTATTGCAGGTACCGTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTGGTAAGCGTGTTGTGAAATGTACCGGCTCAACCGGTGATGTGCAGCGCGAACTGTCGGACTTGAGTGCGCGCAACGCAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGTAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU3417;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Ruminococcaceae(0.1872),g:Clostridium_IV(0.0157);
ACGGAAGGCAGCAGTGGGGAATATTGGTCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTGTCAGGGACGAGTAGAAGACGGTACCTGACGAATAAGCAACGGCTAACTACGTGCGAGCAGCTGCGGTAATACGAAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGAAGGGCAAGTCAGATGTGAAATCCACGGGCTCAACTCGTGAACTGCGTTTCAAACTACTCTTCTTGAGTGTCGGAGAGGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCAGATTGCTGGACGACAACTGACGGTAAAGCGCGAAGGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU3415;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8472),o:"Bacteroidales"(0.6509),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0519);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATACGAGGATAAAGTGGAGCACGTGTGGCTTATTGCATGTACCGTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTCGTCTGTTAAGTCAGTTGTGAAAGTTTGGGGCTCAACCTGAGAATTGCAGTGGGAACTGGCAGTCTTGAGTGCACAAGAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCTCGCTGTACTGTAACTGACGCTGATGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU3419;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.9389),f:"Prevotellaceae"(0.7787),g:Prevotella(0.4351);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAAGGGAATAAAGTGAGCCTCGTGAGGCTTTTTGCATGTACCTTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGTATGGTAAGCGTGTTGTGAAATGCCGTGGCTCAACCATGGCACTGCAGCGCGAACTGCCGTACTTGAGTACGCCGGAGGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU3420;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.9063),f:"Prevotellaceae"(0.7068),g:Prevotella(0.2171);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATATGGGGATAAAGTGAGCCACGTGTGGCTTATTGCAGGTACCGTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTAGCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTGTTAAGTGTGTTGTGAAATGTAGGCGCTCAACGTGGGCCTTGCTGCGCAAACTGGCAGACTTGAGTGCACGGAAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGTGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU3421;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Ruminococcaceae(0.6709),g:Intestinimonas(0.3479);

ACGGGAGGCAGCAGTGGGGAATATTTGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTCTTCGGATTGTAAACTTCTTTTATCAGGGACGAAGGAAGTGACGGTACCTGATGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGAATGCAAGTCAGCGGTGAAATCCCCGCGCTCAACGGGGGAGTGGCAGTTGATACTGTACTTCTTGAGTGATGGAGAGGCAGGCGGAATTCCCTGTGTAGCGGTGAAATGCGTAGATATAGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACATTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU3422;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9903),o:Lactobacillales(0.9606),f:Lactobacillaceae(0.9201),g:Lactobacillus(0.7643);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTGGGTGGAGAAGGATAGAGGTAGTAACTGGCCTTTAGTTGACGGTAATCAACAAGAAAGTCACGGCTAACTACGTGCCAGAAGCGCCGGTAATACACAGGGGGCAAGCGCTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAATCCCCCGGCTTAACCGAGGAACTTCATCGGAAACTGTTTTTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCACGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU3423;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9988),c:Deltaproteobacteria(0.9755),o:Desulfovibrionales(0.9280),f:Desulfovibrionaceae(0.8505),g:Bilophila(0.4787);

ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGTTCTCGGATCGTAAACCTCTGTCAGGGGGGGAAGAAACCCCCTCGTGTGAATAATGCGAGTGCTTGACGGTACCCCCAAAGGAAGCACCGGCTAACTCCGTGCCCGCAGCCGCGGTAATACGGAGGGTGCAAGCGTGAATCGGAATCACTGGGCGTAAAGCGCACGTAGGCGGCTTGGTAAGTCAGGGGTGAAATCCCGCTGCCCAACTGCGGAACTGCGTTTGAAACTGGCTGGCTTGAGTACAGGAGAGGTTGGCGGAATTCCAGGTGTAGGGGTGAAATCCGTAGATATCTGGAGGAACATCGGTGGCGAAGGCGGCCACCTGGACGGTAACTGACGCTGAGGTGCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU3424;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Bacilli(0.9733),o:Lactobacillales(0.8846),f:Lactobacillaceae(0.6709),g:Lactobacillus(0.3479);

ACGGGAGGCAGCAGTAGGGAATCTTCCAAAATGGGAGCAAGCCTGATGGAGCAAAACAGCGTGAGTGAAGAAGGGTTTCTGCTCGTAAAGCTCTGTGGTTAGAGAAGAAAGTGCGTGAGAGCAACTATTCACGCAGTGACGGTATCTAACCAGAAAGTCACGGCTAACTACGTGCAAGCAGCCGCGGTAATACGAAGGTGGAAAGCGTTATACGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTGATAAGTCTGACGTGAAAGCCTTTGGCTTAACCAAAGAACTGCATCGGAAACTGTCAGACTTGAGTGCAGAAGATGACAGTGGAACTCCATGTGTAGCGGTGTAATGCGTAGATATATGTAAGACCACCAGTTTCGAAGGCTGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU3425;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Bacilli(0.4812),o:Bacillales(0.2359),f:Planococcaceae(0.0710),g:Solibacillus(0.0157);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGATTTCGGTTCGTAAAACTCTGTTGCAAGGGAAGAACAAGTAGCGTAGTAACTGGCGCTACCTTGACGGTACCTTGTTAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAGGGTGCGAGCGTTAATCGGAACTACTGGGCGTAAAGCGTGCGCAGGCGGTTGGATAAGACAGATGTGAAATCCCCGGGCTTAACCTGGGAACCGCATTTGTGACTGTCTGACTGGAGTATGTCAGAGGGGGGTCGAATTCCACGTGTAGCAGTGAAATGCGTAGATATGTGGAAGAACACCGATGGCGAAGGCAGCCCCCTGGGGCAAAACTGACGCTCATGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU3426;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.9063),f:"Prevotellaceae"(0.7068),g:Prevotella(0.3915);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATAAGGCCCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGATCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCAGTCTTATAAGCTTGTAGTGAAATGTCGGGGCTCAACCTTGGCATTGCAGTGAGAACTGTGAGACTAG

AGATTGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATTCGTAGATATTACGAAGAACTCCGATTGCGAAG
GCAGCCATCTGTAGCGAATCTGACGCTGAAGCGCGAAGGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU3428;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.9
606),f:"Prevotellaceae"(0.9015),g:Prevotella(0.5720);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
CCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGAGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATAAG
GAACGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCCGTCTGATAAGCTGGTTGTGAAATGTCGGGGCTCAACCTGGGAATTGCATCGCGAACTGTGAAACTTG
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ospiraceae(0.7428),g:Blautia(0.4787);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGCAGGAAGAATTC
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acterales(0.6138),f:Campylobacteraceae(0.3544),g:Campylobacter(0.1299);
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ococcaceae(0.1872),g:Oscillibacter(0.0134);
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252),f:Bacteroidaceae(0.3204),g:Bacteroides(0.0904);
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ospiraceae(0.2184),g:Clostridium_XlVa(0.0423);
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ococcaceae(0.0252),g:Clostridium_III(0.0076);
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0.1015),f:Flavobacteriaceae(0.0355),g:Galbibacter(0.0087);
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881),f:"Prevotellaceae"(0.3544),g:Prevotella(0.0615);
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diaceae_1(0.0904),g:Clostridium_sensu_stricto(0.0157);
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955),f:"Rikenellaceae"(0.8146),g:Alistipes(0.6681);
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395),f:Bacteroidaceae(0.2524),g:Bacteroides(0.0712);
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352),f:Prolixibacteraceae(0.0086),g:Prolixibacter(0.0043);
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039),f:"Prevotellaceae"(0.0710),g:Prevotella(0.0110);
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8),f:Spirochaetaceae(0.4224),g:Treponema(0.0615);
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ococcaceae(0.2864),g:Oscillibacter(0.0230);
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639),f:"Prevotellaceae"(0.1098),g:Paraprevotella(0.0181);
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ospiraceae(0.4563),g:Dorea(0.1735);
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ales"(0.2039),f:Sphingobacteriaceae(0.0904),g:Parapedobacter(0.0134);
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ales"(0.0413),f:Sphingobacteriaceae(0.0099),g:Solitalea(0.0046);
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652),f:"Prevotellaceae"(0.1679),g:Prevotella(0.0326);
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172),f:Bacteroidaceae(0.4914),g:Bacteroides(0.3043);
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ococcaceae(0.2524),g:Gemmiger(0.0230);
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023),f:Bacteroidaceae(0.1679),g:Bacteroides(0.0423);
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955),f:"Prevotellaceae"(0.7428),g:Prevotella(0.3043);
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91),f:Erysipelotrichaceae(0.0073),g:Clostridium_XVIII(0.0035);
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ococcaceae(0.2184),g:Clostridium_IV(0.0204);
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ococcaceae(0.3544),g:Ruminococcus(0.1299);
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412),f:Bacteroidaceae(0.3204),g:Bacteroides(0.0904);
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547),f:"Porphyromonadaceae"(0.0113),g:Coprobacter(0.0056);
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ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAATGCCGCGTGAGCGAAGAAGTA
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ospiraceae(0.9573),g:Pseudobutyrivibrio(0.8124);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
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:Synergistaceae(0.9294),g:Cloacibacillus(0.7643);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGGAACCCTGACCCAGCGACGCCGCGTGGGTGAAGAAATC
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AGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTTCGGAATTACTGGGCGTAAAGCGCACGCAGGCTGACCGTTA
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GGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCTTCCTGGCACACA
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>OTU3538;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Lachn
ospiraceae(0.1291),g:Clostridium_XlVa(0.0230);
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>OTU3539;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.8087),c:Alphaproteobacteria(0.4045),o:Rhizobiales
(0.1483),f:Rhizobiales_incertae_sedis(0.0457),g:Amorphus(0.0110);
ACGGGAGGCAGCAGCTAAGAATATTGGACAATGGGGGCAACCCTGATCCAGCCATGCCGCGTGAGTGAAGAAGGTC
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ococcaceae(0.2864),g:Ruminococcus(0.0519);
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ospiraceae(0.1679),g:Blautia(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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0.0000),f:Flavobacteriaceae(0.0000),g:Gillisia(0.0000);
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ATTCTATGGGTGGTGGTGCATGGCCGTTCTTAGTTGGTGGAGTGATTTGTCTGGTTATTTCCGTTAACGAACGAGACC
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>OTU3543;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9605),c:"Bacteroidia"(0.4812),o:"Bacteroidales"(0.2359),f:"Prevotellaceae"(0.1098),g:Alloprevotella(0.0087);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGACTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTCCGGGTTGTAAACTGCTTTTAGGTGGGGATAACCTTCGGGACGTGTCCCGATCTGTGTGTACCATCAGAAAAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCGGGCGTTTAAGTCAGGTGTGAAATACGGCGGCTCAACCGTAGGAAGGCAGTTGAAAACGGGAGGCTTTAGGTGACACAGGGATGCGGGAATTCATTGTGGAGGGGGGAAAAGGCCTGGTTACATGAAGAACCCCCGACGGCAAGGCCGGCAGACGGGGTGTTTCTTGAGGTGAGGGTTCGAAGGGGCGGGTACAAACAGGGTTAGATACCCTGGTA

>OTU3541;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9997),c:Flavobacteriia(0.9871),o:"Flavobacteriales"(0.9940),f:Flavobacteriaceae(0.9895),g:Chryseobacterium(0.9686);

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>OTU3542;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.7727),c:Deltaproteobacteria(0.4812),o:Desulfovibrionales(0.2359),f:Desulfovibrionaceae(0.0904),g:Desulfovibrio(0.0181);

ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATGCCGCGTGAAGGACTAAGGCCCTATGGGCTGTAAACTTCTTTAGACGCAGAGCAATAAGGGCCACGTGTGGTCCGATGAGAGTATGCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCTGTGCGTCAAGTCAGGGGTGAAATCCCACGGCTCAACCGTGGAACTGCCCTTGATACTGCACGACTTGAATCCGGGAGAGGGTGGCGGAATTCCAGGTGTAGGAGTGAAATCCGTAGATATCTGGAGGAACATCAGTGGCGAAGGCGGCTTGCTGGGCTCTAACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU3547;tax=d:Bacteria(0.0014),p:"Actinobacteria"(0.0000),c:Actinobacteria(0.0000),o:Actinomycetales(0.0000),f:Glycomycetaceae(0.0000),g:Glycomyces(0.0000);

CCGCGTGCAATTTCTATGAAGGATGTTTTCCGTTCTGGTGATTCGTCTAAGCAGTTTATGATTGCTGAGGGTCAGTGGTATCGTTATGCGCCTTCGTATGTTTCTCCTGCTTATCACCTTCTTGAAGGCTTCCCATTCATTCAGGAACCGCCTTCTGGTGATTTTCAAGAACGCGTACTTATTCGCCACCATGATTATGACCAGTGTTTCCAGTCCGTTCAGTTGTTGCAGTGGAATAGTCAGGTTAAATTTAATGTGACCGTTTATCGCAATCTGCCGACCACTCGCGATTCAATCATGACGTCGGGATAAAAGATTGAGTGTGAGGTTAGAACGGCGAAGCGGTAAAAATTTTAATTTTTGACGCGGAGGGGGTGAACAAGCGAAGCGCGGTAGGTGGTCTGCTGAGGAGTTTAAT

>OTU3545;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Ruminococcaceae(0.0904),g:Intestinimonas(0.0134);
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>OTU3548;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.9063),f:"Porphyromonadaceae"(0.6709),g:Parabacteroides(0.3479);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGAGAGGCTGAACCAGCCAAGTCGCGTGAAGGATGAAGGATCTATGGTTCGTAAACTTCTTTTATACGGGAATAAAGTGAGTCACGAGTGATTTTTTGTATGTACCGTATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGCGGTGAAAGTTTGTGGCTTAACCATAAAATTGCCATTGCTACTGGGAGGTTTGAGTTTGTTTGAGGTAGGCGGAATGCGTGGTGTAACGGTGAAATGCATAGATATCACGTAGAACTCCGATTGCGAAGGCAGCTTGCCAAGCCATAACTGACACTGAAGCACGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU3546;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.6881),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0615);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGAAAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATACGGGGATAAAGTGAGGGACGTGTCCCTTTTTGTAGGTACCGTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGGTGTGTAAGCGTGACGTCAAATACAGCCGCTCAACGGTTGTCCGCGTCGCGAACTGCATGCCTTGAGTACGCTGCAAGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCCGCTGTTGCGTCACTGACGCTGAGGCTCGAAGGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU3549;tax=d:Bacteria(0.0058),p:"Aquificae"(0.0000),c:Aquificae(0.0000),o:Aquificales(0.0000),f:Aquificaceae(0.0000),g:Thermocrinis(0.0000);
GGCTTAATTTGACTCAACGCGGGGAAACTTACCAGGTCCAGACATAGTAAGGATTGACAGATTGAGAGCTCTTTCTTGATTCTATGGGTGGTGGTGCATGGCCGTTCTTAGTTGGTGGAGCGATTTGTCTGGTTAATTCCGATAACGAACGAGACCTCAGCCTGCTAACTAGCTACGCGGAGGTTCCCCTTCACGGCCAGCTTCTTAGAGGGACTATGGCCGTTTAGGCCATGGAAGTTTGAGGCAATAACAGGTCTGGGATGCCC
>OTU3551;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Clostridiales_Incertae_Sedis_XIII(0.0710),g:Anaerovorax(0.0157);

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389),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);
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719),f:"Prevotellaceae"(0.0710),g:Prevotella(0.0087);
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ospiraceae(0.1485),g:Blautia(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGCAAGCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTA
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737),f:Bacteroidaceae(0.5273),g:Bacteroides(0.3479);

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359),f:"Porphyromonadaceae"(0.1098),g:Barnesiella(0.0181);
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ospiraceae(0.2184),g:Clostridium_XlVa(0.0423);
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ionales(0.1719),f:Desulfovibrionaceae(0.0710),g:Desulfovibrio(0.0157);
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319),f:"Porphyromonadaceae"(0.1679),g:Barnesiella(0.0230);

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ionales(0.2679),f:Desulfovibrionaceae(0.1291),g:Desulfovibrio(0.0230);
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843),f:Bacteroidaceae(0.5632),g:Bacteroides(0.3915);
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TACAGTAGAGGTGGGCGGAATTCGTGGTGTAGAGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGC
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ococcaceae(0.7068),g:Oscillibacter(0.1299);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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ACGGGAGGCAGCAGTGAGGGATATTGCACAATGGGCGCAAGCCCGATGCAGCGACGCCGCGTGAGGGAAGACGGT
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172),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);
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acteriales"(0.8846),f:Enterobacteriaceae(0.8146),g:Escherichia/Shigella(0.3915);

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766),f:"Prevotellaceae"(0.2524),g:Alloprevotella(0.0326);
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0.0000),f:Cryomorphaceae(0.0000),g:Wandonia(0.0000);
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GGTTGGTACCATCTCCGCTAACTCCGACGAAACCGTAGGTAAACTGATCGCTGAAGCGATGGACAAAGTCGGTAAAG
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diales_Incertae_Sedis_XIII(0.1485),g:Mogibacterium(0.0326);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGAAGAAGGT
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GCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTTCTGGACTG
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>OTU3570;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7497),o:Clostridiales(0.4652),g:Natra
naerovirga(0.0423);

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GGAATTCCTAGTGTAGCGGTAAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACATTA
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>OTU3572;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9776),o:"Bacteroidales"(0.9
685),f:Bacteroidaceae(0.8505),g:Bacteroides(0.7643);
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0.1015),f:Flavobacteriaceae(0.0355),g:Mesonia(0.0076);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATGCCGCGTGAAGGACTAAGCCC
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303),f:Bacteroidaceae(0.4914),g:Bacteroides(0.3043);
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629),f:Bacteroidaceae(0.4914),g:Bacteroides(0.3043);

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eae_1(0.0457),g:Cohnella(0.0110);
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707),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);
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diaceae_1(0.4914),g:Clostridium_sensu_stricto(0.3043);
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ococcaceae(0.3204),g:Gemmiger(0.0423);

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280),f:"Prevotellaceae"(0.0904),g:Prevotella(0.0134);
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ales(0.2039),f:Comamonadaceae(0.0904),g:Schlegelella(0.0181);
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ospiraceae(0.0457),g:Blautia(0.0110);
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ospiraceae(0.3884),g:Lachnospiracea_incertae_sedis(0.0712);
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ococcaceae(0.2184),g:Ruminococcus(0.0519);
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ospiraceae(0.0149),g:Clostridium_XlVa(0.0066);

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652),f:"Porphyromonadaceae"(0.1098),g:Barnesiella(0.0204);
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ospiraceae(0.0252),g:Clostridium_XlVa(0.0076);
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CAGCAGCCGCGGTAATACGTGAGATGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGAGCAGGCGGGACTAC
AAGTTGGATGTGAAAGGTCAAGGCTTAACCTTGGCACTGCATCTAAAACTGTAGTTCTTGAGTGGAGTAGAGGTAAG
CGGAATTCCGAGTGTAGCGGTGAAATGCATAGATATTCCGAGGAACACCAGTAGCGAAGGCAGCTTTCTAAACTGAA
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319),f:"Prevotellaceae"(0.1485),g:Prevotella(0.0157);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGC
CCTATGGGTTGTAAACTGCTTTTATACGGGGATAAAGTGGGCCACGTGTGGCTTATTGCAGGTACCGTATGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAGGGG
TGCGTAGGCGGACAGTTAAGTCAGCGGTCAAAACGGGCGGCTCAACCGCCTGCCGCCGGAACTGGCGAGCTTGAGT
GGAGAAGAAGTATGCGGAATGCGAGGTGTAGCGGTGAAATGCATAGATATCGCGCAGAACTCCGATTGCGAAGGC
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>OTU3589;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Eubac
teriaceae(0.1291),g:Eubacterium(0.0230);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
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GCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGCGCACGTAGGCTGTTATGTAA
GTCAGGGGTGAAAGCCCACGGCTCAACCGTGGAACTGCTCTTGATACTGCACGACTCGAATCCGGGAGAGGGTGGC
GGAATTCCAGGTGTAGGAGTGAAATCCGTAGATATCAGGAGGAACATCAGTGGCGAAGGCGGCCTGCTGGGCTTTA
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>OTU3591;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9572),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4
652),f:"Porphyromonadaceae"(0.1872),g:Parabacteroides(0.0230);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGTAGCCTGAACCAGCCAAGTCGCGTGAGGGATGACGGC
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>OTU3592;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Rumin
ococcaceae(0.1098),g:Clostridium_III(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGT
TTTCGGATTGTAAACCTCTGTTTTCGGTGACGAACAAATGACGGTAACCGAGTAGGAAGCCACGGCTAACTACGTGC
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>OTU3594;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9791),o:"Bacteroidales"(0.9
730),f:"Prevotellaceae"(0.9387),g:Prevotella(0.7162);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATTACTTCC
CTCTGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATAAGG
ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCTGATGTATTGGGTTTAAAGGGA
GCGTAGGCCGTCTTATAAGCGTGTGGTGAAATGTCGGGGCTCAACCTGGGCATTGAAGCGCGAACTGTGAGCATTG
AGTGCGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGATTAGATATGACGAAGAACTCCGATTGCGAAG
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>OTU3595;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9736),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8
520),f:"Prevotellaceae"(0.6709),g:Prevotella(0.3479);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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AGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAG
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>OTU3593;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9638),c:Alphaproteobacteria(0.8755),o:Rhodospiril
lales(0.6138),f:Rhodospirillaceae(0.4224),g:Skermanella(0.0712);
GTGCCAGCAGCCGCGGTAATACGAAGGGGGCTAGCGTTGTTCGGAGTTACTGGGCGTAAAGGGTGCGTAGGCGGC
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>OTU3596;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Rumin
ococcaceae(0.5632),g:Clostridium_IV(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
TTTCGGGTTGTAAACTTCTTTTGTCAGGGACGAAACAAATGACGGTACCTGACGAATAAGCCACGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGGACTTC
AAGTTGGATGTGAAAGGTCAAGGCTTAACCTTGGCACTGCATCCAAAACTGTAGTTCTTGAGTGGAGTAGAGGTAAG
CGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACAGC
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>OTU3598;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9507),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5
023),f:"Prevotellaceae"(0.1679),g:Alloprevotella(0.0230);
CCTTTCTTCAGCAGTTCTGCCTCTTTTTCCCTGTCCTTCAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTC
CGGGTTGTAAACTGCTTTTAGATGGGAATAAAGTGCGGGACGCGTCCCGTTTTGTATGTACCATCAGAAAAAGGACC
GGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCG
CAGGCGGGCTTTTAAGTCAGTTGTGAAATACGGCGGCTCAACCGTCGGACTGCAGTTGATACTGGAAGCCTTGAGTT
CGCACAGGGATGCCGGAATTCATGGTGTAGCGGTGAAATGCTCAGATATCATGAAGAACTCCGATCGCGAAGGCAG
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>OTU3597;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Erysipelotrichia(0.6346),o:Erysipelotrichales(0.36
39),f:Erysipelotrichaceae(0.1872),g:Turicibacter(0.0519);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
CCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACCAGGGGAATA
AGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGAATTATTGGGCGTAAA
GAGCGCGCAGGTGGTTGATTAAGTCTGATGTGAAAGCCCACGGCTTAACCGTGGAGGGTCATTGGAAACTGGTCAA
CTTGAGTGCAGAAGAGGGAAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGAGATATGGAGGAACACCGGTGG
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>OTU3599;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachn
ospiraceae(0.4224),g:Dorea(0.1299);

CCTTTCTTCCTCCTTTTTTCCTCTTTCCCCCTGGTTGCCAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGTCTTTCG
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CGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCATAGACGGCATGGCAAGCCAG
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TCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGGTAACTGA
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>OTU3601;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9671),c:"Bacteroidia"(0.4812),o:"Bacteroidales"(0.2
359),f:"Prevotellaceae"(0.0904),g:Prevotella(0.0087);

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GAGCGTAGGCGGGCTGTTAAGTCAGCTTTTAAATCCTTCGTCTCAACCGTCGTCCTTCAGTTGATACTCTTGTCCTTGA
ATGCGCTCACATGCCTTTGAATTCATAGTGTAGCGTTGAAATGCTCAGATATCATTAAGAACTCCTATCGCGAAGGCA
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>OTU3600;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Rumin
ococcaceae(0.2524),g:Intestinimonas(0.0204);

ACGGAAGGCAGCAGTGGGGAAGAGGGGGGAAGGGGGGAAAGAGGGACCCAGCAACGCCGCGTGAAGGAAGAAG
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TGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGG
TGCAAGTCAGAAGTGAAATCCACGTGCTTATCTCGTGAACTGCTTTTGAAACTGTACCCCTTGAGTATCGGATAGGCA
GGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATTTTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACG
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>OTU3603;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Lachn
ospiraceae(0.3544),g:Parasporobacterium(0.0712);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGACTGAAGAAGTA
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GCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGAAGATAA
GTCAGGCGTGAAAACCAGAGGCTCAACCTCTGGCCTGCGTTTGAAACTGTTTTTCTTGAGTACTGGAGAGGTTGGCG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACTGTAA
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>OTU3602;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9856),o:Bacillales(0.9843),f:Planococcac
eae(0.9294),g:Bhargavaea(0.9686);

ACGGGAGGCAGCAGTAGGGAATCTTCCGCAATGGACGAAAGTCTGACGGAGCAACGCCGCGTGAGCGAAGAAGGC
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GACTTGAGTGCAGAAGAGGAAAGCGGAATTCCACGTGTAGCGGTGAAATGCGTAGAGATGTGGAGGAACACCAGT
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GTA

>OTU3604;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Lachn
ospiraceae(0.1098),g:Lachnospiracea_incertae_sedis(0.0134);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAATGCCGCGTGAGTGAAGAAGGT
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>OTU3607;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9933),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5
023),f:Bacteroidaceae(0.1679),g:Bacteroides(0.0423);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGTCTGAACCAGCCAAGTAGCGTGCAGGAAGAAGGG
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ACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGAGATCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGATGGTCTTATAAGTCTGTTGTGAAAGTTCGCGGCTCAACCGTGACATTGCAGTTGATACTGGCATTCTTGAG
TGCGGTTGAAGTATGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCA
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>OTU3605;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Negativicutes(0.7881),o:Selenomonadales(0.502
3),f:Veillonellaceae(0.3204),g:Mitsuokella(0.0808);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGAAGAAGGT
CTTCGGATCGTAAAGCTCTGTCCTTGGGGAAGATAATGACGGTACCCTTGGAGGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGGGAGCGCAGGCGGGAAGGTA
AGTCTATCTTAAAAGTGCGGGGCTCAACCCCGTGAGGGGATGGAAACTATCTTTCTTGAGTGCAGGAGAGGAAAGC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACCGTA
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>OTU3606;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Rumin
ococcaceae(0.3204),g:Clostridium_IV(0.0326);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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AGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGGAGC
AAGTCAGATGTGAAATCCCGGGGCTTAACCCCGGAACTGCATTTGAAACTGTTTCCCTTGAGTATCGGAGAGGCAAG
CGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGT
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>OTU3608;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.8448),c:Deltaproteobacteria(0.6346),o:Desulfovibr
ionales(0.3639),f:Desulfovibrionaceae(0.1872),g:Desulfovibrio(0.0519);

ACGGAAGGCAGCGGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGT
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GAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGAAGGGTGCAAGCGTTAATCGGAATCACTGGGCGTA
AAGGGTGCGTAGGCGGTCTTTTAAGTTGGATGTGAAATCCCCGGGCTTAACTTGGGGTCTGCATCCAATACTGGGAG
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TA

>OTU3610;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:"Bacteroidia"(0.4428),o:"Bacteroidales"(0.2
039),f:Bacteroidaceae(0.0710),g:Bacteroides(0.0157);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGAATAAGGC
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>OTU3611;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9604),o:"Bacteroidales"(0.8
629),f:Bacteroidaceae(0.4224),g:Bacteroides(0.2171);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
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ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGA
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>OTU3612;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Lachn
ospiraceae(0.1872),g:Eisenbergiella(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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ospiraceae(0.0457),g:Blautia(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGGGATGACGGC
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ococcaceae(0.4563),g:Clostridium_IV(0.0615);
AGGGAAGGAAGAAGGGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGG
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GCAAGTCAGAAGTGAAATCCATGGGCTTAACCCATGAACTGCATTTGAAACTGTGCTTCTTGAGTACTGGAGAGGCA
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>OTU3614;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Lachn
ospiraceae(0.0904),g:Lachnospiracea_incertae_sedis(0.0181);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGACGGT
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CAGCAGCCGCGGTAATACGTAGGATGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGCGTAGACGGGATAGT
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ostocaceae(0.0000),g:Fructobacillus(0.0000);
GGCTTAATTTGACTCAACACGGGAAAACTTACCAGGTCCAGACATAGTAAGGATTAGCAGATTGAAGATCTTTCTTGA
TTCTATGGGTGGTGGTGCATGGCCGTTCTTAGTTGGTGGAGTGATTTGTCTGGTTAATTCCGTTAACGAACGAGACCT
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639),f:"Prevotellaceae"(0.0710),g:Prevotella(0.0157);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCCGAACCAGCCAAGTAGCGTGTGGGACGAATGC
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ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGTTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCGGGGAGTCAAGTCAGTTGTGAAAAGCCGGGGCTCAACCGGGGTCGTGCAGTTGAAACTGGTTGTCTTG
AGTGCGGACGAGGAGGGGGGAATTCGTGGTGTAGCGGTGAAATGCGTAGAGATCAGGAAGAACTCCGATTGCGAA
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>OTU3615;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachn
ospiraceae(0.2184),g:Blautia(0.0615);
AAGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGC
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GCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGTATCAA
GTCTGATGTGAAAGGCAGGGGCTGAACTCCTGGACTGCATTGGAAACTGGTATGCTCGAGTGCCGGAGGGGTAAGC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGGCTCTA
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>OTU3618;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Rumin
ococcaceae(0.0904),g:Clostridium_III(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCCGACGCAGCAACGCCGCGTGAACGATGAAGGT
CTTCGGATTGTAAAGTTCTTTTTTTAAGGACGAAGAAGTGACGGTATTTAATGAATAAGCTCTGGCTAACTACGTGCC
AGCAGCCGAGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGAGGGC

AAGTCAGATGTGAAATCCACGGGCTCAACACCTGAACTGCATTTGAAACTGCTCTTCTTGAGTATGGGAGAAGCAAG
CGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTGCTGGACGGC
AACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3619;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Rumin
ococcaceae(0.4914),g:Ruminococcus(0.2171);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCCGACGCAGCAACGCCGCGTGAACGATGAAGGT
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GAATTCCCGATGTAGCGGTGAAATGCGTAGAGATGGGGAGGAACACCAGGGGCGAAGGCGGCCTGCTAGGCTTTA
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>OTU3620;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:"Bacteroidia"(0.1740),o:"Bacteroidales"(0.0
781),f:"Porphyromonadaceae"(0.0252),g:Barnesiella(0.0076);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGAAGAAGGT
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GCGTCGGCGGACCGTTAAGTCAGTCGTGAAAAGCCACCGCTCAACGCGGGACGTGCACTGGAAACTGAGGGACTTG
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>OTU3622;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Lachn
ospiraceae(0.1098),g:Blautia(0.0204);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAAGGAAGACTTG
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GACGCCGCGGTAACACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGACGGAAAAGCA
AGTCCGATGTGAAAGCCCGGGGCTCAACCCCGGGACTGCATTGGAAACTGTTTTTCTGGAGTACTGGAGAGGTAAGC
GGAATTCCTGGTGTAGCGGTGAAATGTGTAGATATCAGGAGGAACACCGGCGGCGAAGGCGGCTTACTGGACAGCA
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>OTU3621;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Rumin
ococcaceae(0.1485),g:Ruminococcus(0.0326);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGT
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AGCAGCTGCTGTAATGCGTAGGGCGCAAGCGATGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCAGAGCA
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GGAATTCCCGGTGTAGCGGTGAAATGCTTAGATATAGCGAAGAACACCGGTGGCGAAGGCAGCCTGCAGGGCTTTA
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>OTU3623;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Rumin
ococcaceae(0.4224),g:Ruminococcus(0.1299);
ACGGGAGGCAGCAGTGGGGGATATAGCGCAATGGGGGCAAACCTGCCGCCGCAACGCCGCGTGAACGATGAAGGT
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AAGTCAGATGTGAAATCCGTGGGCTTAACCCACGAACTGCATTTGAAACTGTTGTGCTTGAGTGAAGTAGAGGCAGG
CGGAATTCCCTGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGGGGCGAAGGCGGCCTGATGGGCTT
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>OTU3625;tax=d:Bacteria(0.0076),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Clostridiales(0.0000),f:Clostri
diales_Incertae_Sedis_III(0.0000),g:Tepidanaerobacter(0.0000);
GGCTTAATTTGACTCAACACGGGGAAACTTACCAGGTCCAGACATAGTAAGGATTGACAGATTGAGAGCTCTTTCTTG
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>OTU3624;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9776),o:Clostridiales(0.9685),f:Clostri
diaceae_1(0.6709),g:Clostridium_sensu_stricto(0.3479);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGCGATGACGGC
CTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGCGCCA
GCAGCCGCGGTAATACGTAGGTGGCAAGCGCTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGAGTTTTAA
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GTAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGTCGAAGGCGCTTTTCTGGACTGTAA
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>OTU3626;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6036),c:"Bacteroidia"(0.0726),o:"Bacteroidales"(0.0
473),f:Prolixibacteraceae(0.0113),g:Prolixibacter(0.0056);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGGAGGAGGC
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AGCATCGGTTACCTCCGTGCCAGCAGCCGCGGTAATCCGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAG
GGTGCGTAGGCTGTGCGTCAAGTGTGTGGTGAAATTCCGGGGCTCAACGCCGGAGCTGCCGTGGATACTGGCGCGC
TGGAGTGCGGAGGCCGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACTCAGAACACCGATTGCG
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>OTU3627;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Lachnospiraceae(0.0710),g:Clostridium_XlVa(0.0134);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATCTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCGGTTCTTCAAGTCAGTTGTGAAAACGCGGGGCTTAACCTCGCGTCTGCAGTTGATACTGTTGAACTTGAGTGCACACAGGGATGTTGGAATTCATGGTGTAGCGGTGAAATGCTTAGATATCATGAAGAACTCCGATCGCGAAGGCAGCCTGCTGGACTGTCACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU3629;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9776),o:Clostridiales(0.9685),f:Eubacteriaceae(0.9201),g:Eubacterium(0.4351);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGGGAAACCCTGACGCAGCAATACCGCGTGAGCGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTATTGGGGAAGAAGAAGTGACGGTACCCAATGAGGAAGTCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGACAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGCGTAGGCGGTTTTGTAAGTCAGATGTGAAAGGTACCGGCTCAACCGGTGACGTGCATTTGAAACTGCAAGACTTGAGTACTGGAGAGGCAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTGCTGGACAGATACTGGCGCTAGGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3628;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.1707),c:Sphingobacteriia(0.0525),o:"Sphingobacteriales"(0.0352),f:Sphingobacteriaceae(0.0086),g:Mucilaginibacter(0.0043);
ACGGAAGGCAGCAGTAAGGAATCTTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAACGATGAAGGCCTTAGGGTTGTAAAGTTCTGCTCTGTGGGAAGAAGAAGTGACGGTACCACAGGAGAAAGCCCCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGTGGTTTGTTAAGTGTGTGGTGAAAGCGTGCGGCTCAACCGTACCAAGCCATGAAAACTGGCGAACTTGAGTGCAAACGAGGTAGGCGGAATGTGATGTGTAGCGGTGAAATGCTTAGATATGTCACAGAACCCCGATTGCGAAGGCAGCTTACCAGCATGCAACTGACACTGAGGCACGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU3630;tax=d:Bacteria(0.0058),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Clostridiales(0.0000),f:Syntrophomonadaceae(0.0000),g:Syntrophomonas(0.0000);
GGCTTAATTTGACTCAACGCGGGGACACTTACCAGGTCCAGACATAGTAAGGATTGACAGATTGATAGCTCTTTCTTGATTCTATGGGTGGTGGTGCATGGCCGTTCTTAGTTGGTGGAGTGATTTGTCTGGTTAATTCCGTTAACGAACGAGACCTTAACCTGCTAAATAGTTACATCTAACCCAGGTTAGGTGGGCAACTTCTTAGAGGGACTTTGCGTGTCTAACGCAAGGAAGTGTGAGGCAATAACAGGTCTGTGATGCCC
>OTU3631;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9877),o:Lactobacillales(0.9389),f:Lactobacillaceae(0.8864),g:Lactobacillus(0.4351);

ACGGGAGGCAGCAGTGGGGAATATTCCACAATGGGCGCAAGCCTGGTGGAGCAACACCGCGTGGGTGAAGAAGGG
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>OTU3633;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9321),o:"Bacteroidales"(0.8
412),f:"Prevotellaceae"(0.5273),g:Prevotella(0.0808);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTAGCGTGCGGGATGAAGGC
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AGTACGCACAACGTTGGCGGAATTTGTCGTGTAGCGGTGAAGTGCTTAGATATGACGAAGAACTCCGATTGCGAAG
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>OTU3632;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Clostridia(0.9776),o:Clostridiales(0.9685),f:Lachn
ospiraceae(0.7787),g:Clostridium_XlVa(0.6200);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTA
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GCAGCCGCGGTAATATGCAGGGGGCAAGCGCTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGATGCA
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CGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACGAT
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>OTU3637;tax=d:Archaea(0.0058),p:"Euryarchaeota"(0.0000),c:Thermoplasmata(0.0000),o:Methanomassil
iicoccales(0.0000),f:Methanomassiliicoccaceae(0.0000),g:Methanomassiliicoccus(0.0000);

GGCTTAATTTGACTCAACACGGGAAAACTTATCAGGTCCAGACATAGTGAGGATTGACAGATTGAGAGCTCTTTCTTG
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>OTU3634;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Negativicutes(0.9038),o:Selenomonadales(0.799
5),f:Veillonellaceae(0.5991),g:Selenomonas(0.0904);

ACGGAAGGCAGCAGTGGGGAATCTTCCGCAATGGGCGAAAGCCTGACGGAGCAACGCCGCGTGAGTGAAGAAGGT
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CTTCTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGT
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GTA

>OTU3635;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9740),o:"Bacteroidales"(0.9
172),f:"Prevotellaceae"(0.8505),g:Prevotella(0.5239);

CCTTTCTTCCTCCTTTCTTCCTCTTTTTCCCTTGACGGTAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACAGCCCTAT
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>OTU3636;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:Sphingobacteriia(0.0726),o:"Sphingobacteri
ales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Solitalea(0.0056);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGAAGGC
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>OTU3638;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Lachn
ospiraceae(0.3884),g:Clostridium_XlVa(0.1299);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
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TGTAATTCCTAGTGTAGCGGTGAAATGCATAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTCCTGGACTGTA
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>OTU3639;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9348),c:"Bacteroidia"(0.6346),o:"Bacteroidales"(0.3
639),f:"Porphyromonadaceae"(0.1485),g:Butyricimonas(0.0326);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAATGG
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>OTU3640;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Rumin
ococcaceae(0.3544),g:Ruminococcus(0.0712);
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ospiraceae(0.6350),g:Clostridium_XlVa(0.4351);
ACGGGAGGCAGCAGTGGGGAATATTGCAAAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGAA
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GACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3643;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Eubac
teriaceae(0.1291),g:Eubacterium(0.0230);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGT
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CAGCCGGCGCGGTTACACGTAGGTGGCACGCGATATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGGATAGC
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ococcaceae(0.3884),g:Oscillibacter(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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CAGCAGCCGAGGTAATACGTAGGGGGCAAGCGATGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGAGGG

CAAGTCAGATGTGAAATCCACGGGCTCAACACGTGAACTGCATTTGGAACTACTCTTCTTGAGTATCTGCGAGGCAAT
CGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCGGTTGCGAGGGCGGATTGCCGGACGAC
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ales"(0.0352),f:Sphingobacteriaceae(0.0086),g:Mucilaginibacter(0.0043);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
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I(0.0000),g:GpIIa(0.0000);
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cillaceae(0.0000),g:Lactobacillus(0.0000);
GGCTTAATTTGACTCAACACGGGAAAACTTACCAGGTCCAGACATAGTGAGGATTGACAGATTGAGAGCTCTTTCTTG
ATTCTATGGGTGGTGGTGCATGGCCGTTCTTAGTTGGTGGAGTGATTTGTCTGGTTAATTCCGTTAACGAACGAGACC
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>OTU3645;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.8048),o:Clostridiales(0.5023),f:Rumin
ococcaceae(0.2864),g:Clostridium_IV(0.0181);
ACGGGAGGCAGCAGGGGGGAATATTGGGCAATGGGCGCAAACCTGACCCAGCAACGCCGCGTGAAGGAAGAAGG
CTTTCGGGTTGTAAACTTCTTTTATGAGGGACGAAGGACGTGACGGTACCTCATGCATAAGCCACGGCTAACTACGTG
CCATCAGCCGCCGTAATAAGTAGGTGGCGGGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCTGGTAGG
CAAGTCAGATGTGAAATCTCCGGGCTAAACCCGGAAACTGCATTTGAAACTGTCTATCTGGAGTATCGGAGAGGCCA
GCGGAATGCCGTGTGTAGCGGTGAAATGCGTAGATATACGGAGGAACACCAGTTGCGAAGGCGGCTTGCTGGACGA
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999),f:Bacteroidaceae(0.1098),g:Bacteroides(0.0204);

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GTTCACATAAGGATGGTGGAATTTGTGGTGTAGCGGTGAAATGCATAGATATCACGAAGAACTCCGATTGCGAAGGC
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>OTU3650;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Lachn
ospiraceae(0.0252),g:Clostridium_XlVa(0.0066);
ACGGAAGGCAGCAGTTAGGAATATTGGGCAATGGAGGAAACTCTGACCCAGCAACGCCGCGCGAAGGATGAAGGT
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ospiraceae(0.3544),g:Butyrivibrio(0.0615);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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CGCAGACGGTCGCGCAAGTCTGACGTGAAACCCCACGGCTCAACTGTGGGCTTGCTTTGGAAACTGTGAGACTAGAG
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ales(0.8955),f:Sutterellaceae(0.8146),g:Sutterella(0.7162);
ACGGGAGGCAGCAGTGGGGAATTTTGGACAATGGGCGAAAGCCTGATCCAGCCATGCCGCGTGAGGGATGAAGGC
CTTCGGGTTGTAAACCACTTTTGTCAGGGACGAAAATGATCAGGCTAATACCTTGAACTGCTGACGGTACCTGAAGAA
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>OTU3652;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.8448),c:Spirochaetia(0.6346),o:Spirochaetales(0.363
9),f:Spirochaetaceae(0.1872),g:Treponema(0.0134);

ACGGAAGGCAGCAGCTAAGAATATTCCGCAATGGGCGAAAGCCTGACGGAGCGACGCCGCGTGGACGATGGAGGC
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GAACAAGCACCGGCTAATTACGTGCCAGCAGCCGCGGTAACACGTAAGGTGCGAGCGTTGTTCGGAATCATTGGGC
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>OTU3653;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9604),o:"Bacteroidales"(0.8
629),f:Bacteroidaceae(0.5273),g:Bacteroides(0.3479);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGACCCAGCCAAGCCGCGTGAAGGATGACTGC
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>OTU3654;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Lachn
ospiraceae(0.3204),g:Dorea(0.0904);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAAGGATGAAGTA
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>OTU3655;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4045),o:Clostridiales(0.1483),f:Rumin
ococcaceae(0.0560),g:Clostridium_III(0.0134);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGTGAAGAAGGC
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639),f:"Prevotellaceae"(0.1872),g:Prevotella(0.0423);

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ospiraceae(0.2184),g:Parasporobacterium(0.0423);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCACGTGACTGAAGAAGTA
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cillaceae(0.7787),g:Lactobacillus(0.3915);
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s(0.1249),f:Anaplasmataceae(0.0457),g:Ehrlichia(0.0110);
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ococcaceae(0.4914),g:Ruminococcus(0.2171);

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ococcaceae(0.4914),g:Ruminococcus(0.2171);
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diaceae_1(0.6350),g:Clostridium_sensu_stricto(0.3915);
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>OTU3662;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Rumin
ococcaceae(0.6350),g:Clostridium_IV(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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ospiraceae(0.4224),g:Clostridium_XlVa(0.0904);

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995),f:"Prevotellaceae"(0.4563),g:Prevotella(0.0615);
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ococcaceae(0.1872),g:Oscillibacter(0.0204);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACCCAGCAACGCCGCGTGAAGGATGAAGGT
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955),f:Bacteroidaceae(0.6350),g:Bacteroides(0.4787);
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821),f:Bacteroidaceae(0.8864),g:Bacteroides(0.8124);

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737),f:Bacteroidaceae(0.5632),g:Bacteroides(0.3915);
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cillaceae(0.7428),g:Lactobacillus(0.3479);
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934),f:Bacteroidaceae(0.9573),g:Bacteroides(0.9743);
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acteriales"(0.7252),f:Enterobacteriaceae(0.5273),g:Escherichia/Shigella(0.2171);
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547),f:Prolixibacteraceae(0.0113),g:Meniscus(0.0056);
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685),f:"Porphyromonadaceae"(0.9480),g:Butyricimonas(0.4787);
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252),f:Bacteroidaceae(0.3884),g:Bacteroides(0.1735);
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652),f:Bacteroidaceae(0.1872),g:Bacteroides(0.0519);
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acteriales"(0.8955),f:Enterobacteriaceae(0.8505),g:Escherichia/Shigella(0.4351);
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707),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);
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319),f:"Porphyromonadaceae"(0.0355),g:Butyricimonas(0.0087);
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0.0352),f:Flavobacteriaceae(0.0086),g:Ornithobacterium(0.0043);
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ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAATGGTCTATGGCCTGTAAACCTCTTTTGTCAGGGAAGAATAAGGATGACAAGTCATTCGATGCCAGTACTTGACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGCGCGTAGGCGGGACGTCAAGTCAGCGGGAAAAGAAGGCGGGTAACCTGTAGCACGCCGTGGAAACTGGCGGCCTTGAGACGAGACGATGGAGGCGGAACAAGTGAAGTAGCGGTGAAATGCATAGATATCACGAGGAACCCCGATAGCGAAGGCAGCTTCCCAGGCTCGTTCTGACGCTGATGCGCGAGAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU3697;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Lachnospiraceae(0.2524),g:Clostridium_XlVa(0.0712);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCCGATGCAGCGACGCCGCGTGAGTGAAGAAGGCCTTCGGTTTGTAAAGCTCTATCAGCAGGGAAGATAATGACGGTACCTGACGAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGCGTTGTAAGTTAGAAGTGAAAGCCCAGGGCTCAACCTTGGGACTGCTTTGGAAACTGTAAGGCTAGAGTGCGGGAGAGGAAAGGGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTATCTGGACAGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU3699;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:Flavobacteriia(0.9755),o:"Flavobacteriales"(0.9389),f:Flavobacteriaceae(0.9201),g:Bergeyella(0.2171);

ACGGAAGGCAGCAGTGAGGAATATTGGACAATGGGTGGAAGCCTGATCCAGCCATCCCGCGTGAAGGACTAAGGACCTATGGTTTGTAAACTTCTTTTATACAGGGATAAACCTACCCTCGTGAGGGTAGCTGAAGGTACTGTATGAATAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGTCCGTAGGCGGGCTCGTAAGTCAGTGGTGAAAGCCTGCAGCTTAACTGTAGAACTGCCGTTGATACTGCGAGTCTTGAGTGTAGTTGAGGTAGCTGGAATGAGTAGTGTAGCGGTGAAATGCATAGATATTACTCAGAACACCGATTGCGAAGGCAGGTTACCAAGTTACAACTGACGCTGATGGACGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU3702;tax=d:Bacteria(0.0058),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Clostridiales(0.0000),f:Syntrophomonadaceae(0.0000),g:Syntrophomonas(0.0000);
GGCTTAATTTGACTCAACGCGGGGAAACTTACCAGGTCCAGACATAGTAAGGATTGATAGATTGAGAGCTCTTTCTTGATTCTATGGGTGGTGGTGCATGGCCATTCTTAGTTGGTGGAGCGATTTGTCTGGTTAATTCCAATAACGGACGAGACCTCAGCCTGCTAACTAGCTACACGGAGGTTCCCCTTAACGTCCAGTTTCTTAGAGGGACTATGGTCGTTTAGGCCATGGATGTTTGAGACAATAACAGGTCTGTGATGCCC
>OTU3703;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.6881),f:Bacteroidaceae(0.3544),g:Bacteroides(0.1299);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCACGTAGCGTGCAGGATGACGGCCCTATGGGTCGTAAACTGCTTTTATATAAGAATAAAGTGCAGTACGTATCCTCTTTTGTATGTATTATATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTGTTTTAAGTGAGACGTGAAAGGTGGCGGCTCAACCGTAAAACTGCAGTGGGAACTGGATATCTTGAGTGCAGTCGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCGACGAGGCTGTAACTGACGTTGAGGCTCGAAAGTGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU3701;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Eubacteriaceae(0.2524),g:Eubacterium(0.0712);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGTCTTCGGATTGTAAACCTTTTTTTTTGGTGAAGAATAGATGACGGTAGCCTCGTCGGAAGCCCCCGCTAACTACGTGCCCGCCGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGACAGCAAGTTGGATGTGAAATACCGAGGCTGAACCAAGGAGCTGCATCGAAAACTGTTGTTCTTGAGTGAAGTAGAGGTAGGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGGCTTTAGCTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3704;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9812),o:"Bacteroidales"(0.9798),f:Bacteroidaceae(0.9108),g:Bacteroides(0.9085);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAGCTTCTTTTATAAAGGAATAAAGTCGGGTATGCATACCCGTTTGCATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGCAGGTTAAGTCAGTCGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGCCTGCTTGAGTGCGGCAGAGGCAGGCGGAATTTGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTAAGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU3706;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9740),o:"Bacteroidales"(0.9172),f:Bacteroidaceae(0.6709),g:Bacteroides(0.5239);

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GCGTAGGCGGACTGGTGAGTCAGTTGTGAAAGGTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGTCAGTCTTGA
GTACAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGG
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>OTU3705;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9987),c:Gammaproteobacteria(0.9719),o:"Enterob
acteriales"(0.7995),f:Enterobacteriaceae(0.5991),g:Escherichia/Shigella(0.2607);
ACGGAAGGCAGCAGTGGGGAATACTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
CTTCGGGTTGTAAAGCACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTGTTCATTGACGTTACCCGCAGA
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GCTTGAGTATGGTAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGATATAGGGAGGAATACCAGTG
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GTA
>OTU3707;tax=d:Bacteria(0.9450),p:"Bacteroidetes"(0.3448),c:"Bacteroidia"(0.0626),o:"Bacteroidales"(0.0
413),f:"Porphyromonadaceae"(0.0086),g:Butyricimonas(0.0039);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGCCGCGTGAGGGAAGGAGGT
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>OTU3708;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9882),o:"Bacteroidales"(0.9
939),f:Bacteroidaceae(0.8505),g:Bacteroides(0.7643);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAAGCAGCCAAGTAGCGTGAAGGATGACTGA
CCTATGTGTTGTAAACTTCTTTTATATGGGAATAAAGTTTTCCACGTGTGGAATTTTGTATGTACCATATGAATAAGGC
TCGGCTAACTCCGCGCCAGCAGCCGCGGTAATACGGATTTTCCGAGCGTTATCCGGATTTAGTGGGTTTAAAGGGAG
CGTAGGTGGACAGTTAAGTCAGTAGTGAAAGTTTGCGGCTCAACCGGAAAATTGCAGTTGATACTGGTTGTCTTGAG
TACAGTAGAGGTGAGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATTACGAAGAACTCCGATGGCGAAGGC
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>OTU3710;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8808),c:"Bacteroidia"(0.4812),o:"Bacteroidales"(0.2
359),f:"Porphyromonadaceae"(0.0904),g:Barnesiella(0.0181);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCATGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGT
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CATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGG
TGCGTAGGCGGCTTTGCAAGTCGGGGGCGAAATTCCGGGGCTAAACACCGGGGCTGCATTGGATACTGTCGCGATG
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>OTU3709;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Clostri
diaceae_1(0.1291),g:Clostridium_sensu_stricto(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGGC
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GGAATTCCTAGTGTAGCGGTGAAATGCGTAAAGATTAGGAGGAACACCAGTGGCGAAGGCGTCTATCTGGTTTAAAT
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>OTU3711;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Lachn
ospiraceae(0.2864),g:Clostridium_XlVa(0.0808);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGAAGCAGCGACGCCGCGTGAGTGAAGAAGAA
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GAATTCCTAGTGTAGCGGTGAAATGCTTAGATATTAGGAGGAACACCAGTTGCGAAGGCGGCTTACTGTACAGTAAC
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>OTU3713;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Bacilli(0.9719),o:Lactobacillales(0.8629),f:Lactoba
cillaceae(0.6709),g:Lactobacillus(0.2171);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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>OTU3712;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9987),c:Gammaproteobacteria(0.9740),o:"Enterob
acteriales"(0.7995),f:Enterobacteriaceae(0.5991),g:Escherichia/Shigella(0.2607);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCACGCCGCGTGAATGAAGAAGGT
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GAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGCGGGTGCAAGCGTTAATCGGAATTACTGGGCGTA
AAGCGCACGCAGGCGGCTTGTTAAGTCAGATGTGAAATCCCCGGGCTCAACCTGGGAGCTGCATCTGAAACTGGCAA
GCTTGAGTCTCGTAGAGGAGAGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCAGTGG
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TA

>OTU3714;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Lachn
ospiraceae(0.2864),g:Clostridium_XlVa(0.0712);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCGGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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AGAAGCCGCGGGAATACGTAGGGGGGAAGCGATATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGATGC
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>OTU3715;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9784),o:"Bacteroidales"(0.9
707),f:Bacteroidaceae(0.8864),g:Bacteroides(0.8124);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGC
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>OTU3717;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9711),o:"Bacteroidales"(0.8
737),f:"Prevotellaceae"(0.5991),g:Prevotella(0.1299);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
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GAGTGCGCGCAGCGCAGGCGGAACTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATCGCGAA
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>OTU3716;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Bacilli(0.5963),o:Lactobacillales(0.3319),f:Lactoba
cillaceae(0.1679),g:Lactobacillus(0.0423);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGG
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AAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGTTTAA
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AAGGCAGCTTACTGGCGTGTAACTGACGCTGAAGCTCGAAAGCGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU3718;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Lachn
ospiraceae(0.5273),g:Blautia(0.1735);
ACGGGAGGCAGCAGTGGGGAAGAGGGCACAAGGGGGGGAACCCTGATGCAGCGACGCCGCGTGGAGGAAGAAGT
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AGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACCGGGTGTAAAGGGAGCGTAGACGGATTAGCA
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>OTU3719;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Bacilli(0.8755),o:Lactobacillales(0.6509),f:Lactoba
cillaceae(0.4563),g:Lactobacillus(0.2607);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGG
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GAAGGCGGCTTACTGGACGATGACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3720;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9933),c:"Bacteroidia"(0.8048),o:"Bacteroidales"(0.5
395),f:"Prevotellaceae"(0.1872),g:Prevotella(0.0181);
ACGGGAGGCAGCAGTGAGGAATACTGGTCAATGGGCGAGAGCCTGAACCAGCCAAATAGCGTGCAGGACGACGGC
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GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
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AGGCAGCCTGCTAAGCTGCAAATGACATTGAGGCTCGAAAGGGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU3721;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8
520),f:"Prevotellaceae"(0.5991),g:Prevotella(0.0904);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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GACCGGCTAATTCCGTGCCGGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
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>OTU3722;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9784),o:"Bacteroidales"(0.9
707),f:"Prevotellaceae"(0.8864),g:Prevotella(0.8124);
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303),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0808);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGCAGGCGGGAGATTAAGCGGGATGTGAAATGCCGCGGCTCAACCGTGGCACTGCATCGCGAACTGGTTGGCTT
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881),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0326);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
CCTATGGGTTGTAAACTGCTTTTATACGGGGATAAAGTGGGCCACGTGTGGCGCATTGCAGCTACCGCGCGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGCAGGCCGCCTGTCAAGCGTGTTGTGAAATGCAGGCGCTCAACGTCTGCACTGCAGAGCGAACTGGACAGCTT
GAGTGCGCGGAACGTTGGCGGAATTCGCAGTGTAGCGGTGAAATGCTTAGAAATGGCGAAGAACTCCGATTGCGAA
GGCAGCTGACGGGTGCGTAACTGACGCTGATGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU3725;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9604),o:"Bacteroidales"(0.8
629),f:"Prevotellaceae"(0.5273),g:Prevotella(0.1735);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGCAGGCCGCCTGGTAAGCGTGTTGTGAAATGTAGGGGCTCAACCTCGGCACTGCAGCGCGAACTGCCAGGCTTG
AGTGCGCGGGACGCGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATGGCGAAGAACTCCGATTGCGAAG
GCAGCTGGCTGTAGTGTAACTGGCGCTAAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU3726;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.3
959),f:"Prevotellaceae"(0.0904),g:Prevotella(0.0181);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
CCTATGGGTTGTAACCTGCTTTTGCGCGGGGATAAAGTGCGCCACGTGTGGCTCATTGCAGCTACCGCGCGAATAAG
GACCGGCTAATTTCGTGCCAGCAGCCGCGGTAATACGGCAGGTTCGGGCGTTATCCGGATTCATTGGGTGTAAAGGG
AGCGCAGGCGGCCCCTCAAGCGTGATGGGAAAAGCCGGGGCTCAACCGTGGCACTGCAGCGCGAACTGGGGGGCT
TGAGTGCGGGCGAGGCAGGCGGAACTCGTGGTGTAGCGGTGAAATGCGTAGATATCACGAAGAACTCCGATGGCG
AAGGCAGCTTGCGGGAGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU3727;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9704),c:"Bacteroidia"(0.8755),o:"Bacteroidales"(0.7
252),f:Bacteroidaceae(0.3204),g:Bacteroides(0.0904);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCAAAGTAGCGTGAAGGATGACTGC
CCTATGGGTTGTAAACTTCTTTTATAAAGGAATACAGTAGGGTATGCATACACGTTTGCATGTACTTTATGAATAAGG
ATCAGCTAACTCCGTGCCAGCAGCCGAGGTAATTCGGAGGTTCCGTGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGGAGATGGATGTTTAAGTCAGGTGTGAAATTTAGCGGCTCAACCGATAAATTGCATTTGATACTGGATATCTTGA
GTGCAGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATCGCGAAGG
CGGCTTTCTGGACGATAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3728;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.6
881),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0423);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTATGGGTTGTAAACTGCTTTTGCGCGGGGATAAAGTGCGCCACGTGTGGCGCATTGCAGATACCGCGCGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTCACTGGGTTTAAAGGG
AGCGCAGGCCGCCCCTTAAGCGTAGTGGGAAAGGGCGGGGCTCAACCGTGGCACTGCTGCGCGAACTGGGGGGCT
TGAGTGCGCGAGGCGCAGGCGGAACTCGTGGTGTAGCGGTGGAATGCTTAGATATCACGAAGAACTCCGATCGCGA
AGGCAGCCTGCGGGAGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU3730;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9740),o:"Bacteroidales"(0.9
172),f:Bacteroidaceae(0.6709),g:Bacteroides(0.5239);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTTAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTATGGGTCGTAAACTTCTTTTATATAAGGATAAAGTGCGGTATGTATACTTTTTTGTATGTATCATATGAATAAGGA
TCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGTAGGTGGACTGGTAAGTGAGACGTGAAAGGTTGCGGCTCAACCGTTAAATTGCAGCTGATACTGTGAGTCTTGAG
TGCAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGC
AGCTCACAGGACTGCAACTGACACTGAAGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU3729;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9441),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.5
766),f:"Porphyromonadaceae"(0.3884),g:Butyricimonas(0.1299);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAATGG
TCTATGGCCTGTAAACCTCTTTTGTCAGGGAAGAATAAGGATGACGAGTCATTCGATGCCAGTACTTGACGAATAAGC
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGT
GTGTAGGCGGGATTGCAAGTCAGATGTGAAACCTATGGGCTTAACCCATAGCCTGCATTTGAAACTGTGATTCTTGA
GTGTGGGAGAGGTAAGCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAG
GCGGCCTGCTGGGCTTTAACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU3731;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9956),o:"Bacteroidales"(0.9
946),f:Bacteroidaceae(0.9573),g:Bacteroides(0.9743);
ACGGGCGGCAGCAGTGCGGAAGCTTTTTCCCTGGACGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCC
CTATGGGTTGTAAACTTCTTTTATACGGGAATAAAGTGAGGCACGTGTGCCTTTTTGTATGTACCGTATGAATAAGGA
TCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGTAGGCGGACGCTTAAGCCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGGTGTCTTGAG
TATAGTAGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGC
AGCTTGCTGGACTGTAACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU3732;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9736),c:Deltaproteobacteria(0.9321),o:Desulfovibr
ionales(0.8303),f:Desulfovibrionaceae(0.5632),g:Desulfovibrio(0.3043);
ACGGGAGGCAGCAGTGGGGAATACTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGG
TCTTCGGATTGGAAAACTCTGTCAGTAGGGAAGAAGCTAGGGTGCTGTAATCATCATCCTACTGACGGTACCTTTAAA
GGAAGCACCGTCTAACTCCGTGCCAGCAGCCGCTGTAATACGGCGGGTGCAAGCGTTAATCGGAATCACTGGGCGTA
AAGCGCACGTAGGCTGTGATGTAAGCGCGGGGTGAAAGCCCACGGCTCAACCGTGGAACTGCAGTGGATACTGCAC
GACTCGAGTGCGCGAGAGGGTGGCGGAATTCGAGGTGTAGGGGTGAAATCCGTAGATATCTGGAGGAACATCAGT
GGCGAAGGCAGCCAGCTGGAGCGGAATTGACGCTGAGGTGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCT
GGTA
>OTU3733;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Bacilli(0.8048),o:Lactobacillales(0.5395),f:Enteroc
occaceae(0.3204),g:Enterococcus(0.0808);

ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGACGCAAGTCTGACCGAGCAACGCCGCGTGAGTGAAGAAGGT
TTTCGGATCGTAAAACTCTGTTGTTAGAGAAGAACAAGGATGAGAGTGGAAAGTTCATCCCTTGACGGTATCTAACC
AGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGT
AAAGGGCGTGTAGGCGGGACTGCAAGTCAGATGTGAAATACGGAGGCTTAACCTCCGAGCTGCATTTGAAACTGCA
ATTCTTGAGTGATGGAGAGGTAAGCGGAATTCCCAGTGTAGCGGTAAAATGCGTAGATATTAGGAGGAACACCAGT
GGCGAAGGCGGATTGCTGGACGACAACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCT
GGTA

>OTU3734;tax=d:Bacteria(1.0000),p:Firmicutes(0.9994),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Eubac
teriaceae(0.5632),g:Eubacterium(0.3915);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTA
TTTCGGTATGTAAACTTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGTAA
GTCTGATGTGAAAACCCGGGGCTCAACCCCGGGACGGCATTGGAAACTATGCGGCTAGGGGGTCGGAGGGGTAAG
GGGAATTCCTGGGGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACGGGACGA
TGACGGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGAGACCCTGTA

>OTU3735;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9791),o:"Bacteroidales"(0.9
730),f:Bacteroidaceae(0.8505),g:Bacteroides(0.7643);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTTAGCCTGAACCAGCCAAGTCGCGTGAAGGATGAAGGCT
CTATGGGTCGTAAACTTCTTTTATATAAGAATAAAATGCAGTATGTATACTGTTTTGTGTGTATTCTATGAATAAGGAT
CGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGC
GTAGGTGGACTGGTAAGTCAGCTGTGAAATGTTGCGGCTCAACCGGGAAATTGCAGTTGATACTGGTAGTCTTGAGT
ACAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACACCGATTGCGAAGGCA
GCTCACGGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU3736;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.5
766),f:"Porphyromonadaceae"(0.1485),g:Butyricimonas(0.0326);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGC
TCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTATGTATACTGTTTTGTATGTATTATATGAATAAGGA
TCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGCG
CGTGGGCGGGACGTCAAGTCAGCGGTAAAAGACTGCAGCTAAACTGTAGCACGCCGTTGAAACTGGCGCCCTGGAG
ACGAGACGAGGGAGGCGGAACAAGTGAAGTAGCGGTGAAATGCATAGATATCACTGGGAACCCCGATAGCGAAGG
CATCTGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA

>OTU3737;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9348),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4
652),f:Bacteroidaceae(0.1485),g:Bacteroides(0.0326);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGT
CCTACGGATTGTAAACCTCTTTTGTCGGGGAGTAACGTGCGGGACGCGTCCCGTATTGAGAGTACCCGAAGAAAAAG
CATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTACTGGGTGTAAAGG
GTGTGTAGGCGGGAAGCCAAGTCAGATGTGAAAATCATGGGCTCAACTCATGACTTGCAGTTGATACTGGATATCTT
GAGTGCAGTGGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAA
GGCAGCCTGCTAAGCTGCAACTGACATTGAGGCTCGAAAGTGTAGGTATCAAACAGGATTAGATACCCTGGTA
>OTU3738;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Rumin
ococcaceae(0.3544),g:Clostridium_IV(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
TTTCGGGTTGTAAACTTCTTTTGTCGGGGACGAGTAGACGACGGTACCTGGCGAATAAGCAACGGCTAGCTACGTGC
CAGCAGCCGCGGCAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGAAGGC
AAGTCAGATGTGAAATCCACGGGCTTAACTCGAGACCTGCATTAGAAACTGTTTATCTAGATTATCGGAGAGGCAGT
CGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCGGTGGCGAAGGCGGATTGCTGAACGAA
AACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3739;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Lachn
ospiraceae(0.2524),g:Clostridium_XlVa(0.0712);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
TTTCGGTTTGTAAAGCTCTTTTAGCAGGGAAGAAAATGACGGTACCTGCCTAAGAAGCCCCGGCTAACTACGTGCCCG
CCGCCGCGGTAATACGGTGGGGGCCAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGATGTAAG
TCTGGAGTGAAAGCCCAGGGCTCAACCCTGGAACTGCTTTGGAAACTGGAGGGCTAGAGTGATGGAGAGGTAAGTG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACGATGA
CTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3743;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.9
280),f:Bacteroidaceae(0.6350),g:Bacteroides(0.4787);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
CCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGGATACCCGTTTGCATGTACTATATGAATAAGG
ATCGGCTAACTCCGTGCCAGCAGCAGCGGTAATCCGGAGGTTCTGAGCGTTATCCGGATTTAGTGGGGTTAAAGGGA
GCGTAGATGGATGTTTAAGTCGGTTGTGAAAGTTTGCGGCTTAACCGTAAAATTGCATTTCAAACTGGATATCTTGAG
TGCAGTAGAGGCAGGCGGAATTCGTAGTGTAGCGGTGAAATGCGTAGATATCACGAAGAACTCCGATTGCGAAGGC
AGTCCGCTAAGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU3740;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Lachn
ospiraceae(0.1679),g:Clostridium_XlVa(0.0230);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGATGCCGCGTGAGTGAAGAAGGA
CTTCGGGATGTAAAGCACTTTCAGCAGGGAAGAAAATGACGGTATTTGTCTAAGAAGTCCTGGCTAACTCCGTCCCA
GCAGCCGCGGTAATACGTCGGGGGCAAGCGCTATCCGGAATTACTGGGCGTAAAGGGAGCGTAGACGGCGTTGCA
AGTCTGGAGTGAAAGCCCAGGGCTCAACCCTGGGACTGCTTTGGAAACTGTATGGCTAGAGTGCTGGAGAGGTGAG
TGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACAAA
AACTGACGTTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3742;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachn
ospiraceae(0.3204),g:Ruminococcus2(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACACTGATGCAGCGAAGCCGCGTGCAGGAAGAAGG
ATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAGAAGACGGTACCTGACTAAGAAGCCCCGGCCAACTACGTGCC
AGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGTGGCA
AGTCTGATGTGAAAACCCGGGGCTCAACCCCTGGGCTGCATTGGAAACTGTTTTGCTTGAGTGCAGGAGAGGTAAGC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGTACGGTA
ACTGACGTTGAGGCTCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU3741;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Rumin
ococcaceae(0.1291),g:Clostridium_III(0.0181);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGGGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
CCTATGGGTTGTAAACTTCTTTTATGAAGGAATAAAGTCGGGTATGGATACCCGTTTGCATGTACTTTATGAATAAGG
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGC
GTGTAGGCGGGCGCTTAAGTCAGTGGTGAAATACCGAAGCTCAACTTCGGGGCTGCCATTGAAACTGGGTGTCTTGA
GTGCCGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAG
GCGGCTTTCTGGACGGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3744;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8897),o:"Bacteroidales"(0.7
623),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0808);
AAGGAAGGAAGAAGGGAGGAAGGGGGGGGAAGGGGGGGGACGCCTGAACCAGCCAAGTAGCGTGAAGGATGACT
GCCCTATGGGTTGTAAACTTCTTTTATAAGGGAATAAATGTGGGTACGCGTACCCGTTTGCATGTACCTTATGAATAA
GGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGG
GAGCGTAGGCCGTCTGTTAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGGCAGACTT
GAGTGCGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAA
GGCAGCCTGCTGTAGCGTAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU3746;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9784),o:"Bacteroidales"(0.9
707),f:"Rikenellaceae"(0.9573),g:Alistipes(0.9686);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCATGCCGCGTGCAGGATGACGGCT
CTATGAGTTGTAAACTGCATTTGTACGAGGGTAAACGCAGATACGTGTATCTGTCTGAAAGTATCGTACGAATAAGG
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATTCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGT
GCGTAGGCGGTTTGATAAGTTAGAGGTGAAATTTCGGGGCTCAACCCTGAACGTGCCTCTAATACTGTTGAGCTAGA
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>OTU3747;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9990),c:Fusobacteriia(0.9834),o:"Fusobacteriales"(0.
9866),f:"Fusobacteriaceae"(0.7068),g:Fusobacterium(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGACTAAAAGTCTGATCCAGCAATTCTGTGTGCACGATGACGGT
CTTAGGATTGTAAAGTGCATTCAACTGGGAAGAAACAAATGACGGTACCAATAGAAGAAGCGACGGCTAAATACGT
GCCAGCAGCAGCGGTAATACGTAGGTCGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGCGTCTAGGTGGTTTGG
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>OTU3745;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Clostri
diaceae_2(0.0149),g:Alkaliphilus(0.0066);
ACGTGAGGCAGCAGTCGGGAATATTGCGCAATGGAGGAAACTCTGACGCAGTGACGCCGCGTGCAGGAAGAAGGG
TTTCGGATTGTAGACTGCTTTAGACAGGGAAGAAACAAGACAGTACCTGTAGAATAAGCTCCGGCGCACTCCGTGCC
AGCAGCCGCGGTGATACGCAGGGAGCAAGCGCTATCCGGATTTATTGGGTGTAAAGGGTGCGTAGACGGGAAATTA
AGTTAGTTGTGAAATCCCTCGGCTTAACTGAGGAATTGCAACTAAAACTGGCTTTCCTGAGTGCAGGAGAGGAAAGT
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTTCTGGACAGTA
ACTGACGTTGAGGCACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3750;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8755),o:"Bacteroidales"(0.7
252),f:Bacteroidaceae(0.4224),g:Bacteroides(0.2171);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
CCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGGATACCCGTTTGCATGTACTTTATGAATAAGG
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGATGGATGTTTAAGTCAGGTGTGAAAGTTTGCGGCTAAAACGTAAAATTGAAGTTGATAATGGATAGATTGA
GTGAAGTTGAGGCAGGAGGAATTCGTGGTGTAGAGGTGAAATGATGAGATATCACGCAGAACCCCGATTGAGAAG
GAAGCCTGCAAAGCCATGACTGACGCTGATGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA
>OTU3748;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Clostridia(0.9755),o:Clostridiales(0.9389),f:Lachn
ospiraceae(0.8146),g:Clostridium_XlVa(0.7162);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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GCAGCCGCGGGAATACGTAGGGGGCACGAGTGATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCATGGCA
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TGGAATTCCTTGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGT
AACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3749;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Lachn
ospiraceae(0.2524),g:Lactonifactor(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTA
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GCAGCCGTGGCAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGTAA
GTCTGATGTGAAAGCCCGGGGCTCAACCCCGAGACTGCATTGGAAACTGTGGGGCTAGAGTGTCGGTGAGGTAAGT
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCATACTGGACGATA
ACTGACGTTGAGGCTCGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA
>OTU3751;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Erysipelotrichia(0.9791),o:Erysipelotrichales(0.97
30),f:Erysipelotrichaceae(0.9666),g:Turicibacter(0.9762);
ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATTTTCTCCCGCCTGTCCTCTCCACGCCGCGTGAATGATGAAGGCCTT
CGGGTTGTAAAATTCTGTTATAAGGGAAGAATGGCTCTAGTAGGAAATGGCTAGAGTGTGACGGTACCTTATGAGAA
AGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGAATTATTGGGCGTAAA
GAGCGCGCAGGTGGTTGATTAAGTCTGATGTGAAAGCCCACGGCTTAACCGTGGAGGGTCATTGGAAACTGGTCAA
CTTGAGTGCAGAAGAGGGAAGTTGAATTCCATTTGTAGCGGTGAAATGCGTAGAGATATGTAGGAACACCAGTGGC
GAAGGCGGCTTCCTGGTCTGTAACTGACACTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3752;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.9
606),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);
ACGGAAGGCAGCAGTGGGGAATATTGGTCAATGGGCGAGAGCCTGAACCGGCCAAGTAGCGTGAAGGATGACTGC
CCTATGGGTTGTAAACTTCTTTTTTAAAGGAATAAAGTCGGGTATGGATACCCGTTTGCATGTACTTTATGAATAAGG
ATCGGCTTACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGATGGATGTTTAAGTCAGTTGTGAAATTTTGCGGCTTAACCGTAAAATTGCAGTTCATACTGGATATCTTGAG
TGCAGTAGAGGAAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGAGATCACGAAGAACTCCGATGGCGAAGG
CAGCCTTCTAAGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU3754;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:"Bacteroidia"(0.1740),o:"Bacteroidales"(0.0
781),f:"Porphyromonadaceae"(0.0252),g:Barnesiella(0.0076);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGC
CCTATGGGCCGTAAACTTCTTTAGACGCAGAGCAATAAGGGCCTCGTGAGATCTGATGAGAGTATGCGTAGAATAAG
CATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGG
TGCGTAGGCTGGGCGTCAAGCGTGTGGTGAAATGCCGGGGCTCAACTCCGGGGCTGCCGTGGAAACTGTCGCGCTG
GAGTGCGGATACCGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACTCAAAACACCGATTGCGAA
GGCATCTGGCTGGTCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU3753;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9711),o:Clostridiales(0.8629),f:Rumin
ococcaceae(0.4563),g:Clostridium_IV(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGACCGCCTGCCCCAGCCACGCCGCGTGAAGGAAGAAGGC
CCTCGGGTTGTAAACTTCTTTTATCAGGGACGAAACAAATGACGGTACCTTCTTAATAAGCCACTGCTAACTACGTGCC
AGCAGCCGCGGTAATACGTAGGTTGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGCCTGCA
AGTCAGGTGTGAAATTCCAGGGCTCAACCATGGAACTGCACGTGAGACTGTGGGTCTGGAGTGATGGAGAGGCAGG
CGGAATTCCGGGTGTAGCGGTGAAATGCGTAGATATACGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACATT
AACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3755;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9805),o:"Bacteroidales"(0.9
775),f:Bacteroidaceae(0.9108),g:Bacteroides(0.9085);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGC
CCTATGGGTCGTAAACTTCTTTTATATGAGAATTAAGTGCAGTATGTATACTGTTTTTTATGTATTATATGAATAAGGCT
CGGCTAATTATGTGCCAGCAGCCGCGGTAATACGGAGGAACCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGC
GTAGGTGGACTGGTAAGTCAAATGTGAAATTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGTCAGTCTTGAGTA
CAATAGGGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATTCTTAAATATCACGAAGAACTCCGATTGCGAAGGCAG
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>OTU3756;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9805),o:"Bacteroidales"(0.9
775),f:Bacteroidaceae(0.9108),g:Bacteroides(0.9085);
CCTTTCTTCCTCCTTTCTTCCTCTTTTTCCCTTTTCTCTCTCCTTCCCCCTCCAATTCTCGTGAATTATGACTGCCCTATGGG
TTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGGATACCCGTTTGCATGTACTTTATGAATAAGGATCGGCTA
ACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGAT
GGATGTTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGATATCTTGAGTGCAGTTG
AGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGACTGCT
AAGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU3758;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9740),o:"Bacteroidales"(0.9
172),f:Bacteroidaceae(0.6709),g:Bacteroides(0.5239);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACGGC
CCTATGGGTTGTAAACTTCTTTTGTAAAGGAATAAAGTCGGGTATGCATACTCGTTTGCATGTACTTTATGAATAAGG
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCGGATGTTTAAGTCAGATGTGAAAGGTAGCGGCTCAACCGTAAAATTGCATTGGAAACTGGATATCTTGA
GTGAAGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGG
CAGCCTGCTAAGCTGTAACTGACGCTGAGGCTCGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU3760;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9321),o:"Bacteroidales"(0.8
412),f:Bacteroidaceae(0.4563),g:Bacteroides(0.2607);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
CCTGTGGGTTGTAAACTTCTTTTATACGGGAATAAAGTGAGGCACGTGTGCCTTTTTGTATGTACCGTATGAATAAGG
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGCAGGCGGTTCTTCAAGTCAGTTGTGAAAACGCGGGGCTTAACCTCGCGCCTGCAGTTGATACTGTCGGACTTGA
GTGCACGCAGGGATGCCGGAATTCATGGTGTAGCGGTGAAATGCTTAGATATCATGAAGAACTCCGATCGCGAAGG
CAGGTGTCCGGAGTGCTACTGACGCTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU3757;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Eubac
teriaceae(0.4224),g:Eubacterium(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTA
TTTCGGTATGTAAACTTCTATCAACAGGGAAGAAAATGACGGTACCTGACTAATAAGCCCCGGCTAACTACGTGCCAG
CAGCCGCGGTAATACGCAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTGGTGCAA
GTCTGATGTGAAAACCCGGGGCTCAACCCTGGGAGTGCATTGGAAACTGCATGTCTGGAGTGTGGAAGAGGCAGGC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTTGACGATG
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>OTU3759;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachn
ospiraceae(0.3884),g:Clostridium_XlVb(0.0904);
ACGGAAGGCAGCAGTGGGTAATATTGCACAATGGGCGCAAGCCTGATGCAGCAACGCCGCGTGAAGGAAGAAGGG
TTTCGGCTCGTAAACTTCTATCGACAGGAACGAAACAAATGACGGTACCTGAGTAAGAAGCCCCGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGAGTAGGCGGCGAA
GTAAGTAAGATGTGAAAGCCCTCGGCTTAACTGAGGGATTGCATTTTAAACTATTTTGCTAGAGTGCAGGAGAGGAA
AGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTTCTGGACT
GTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3761;tax=d:Archaea(0.0024),p:"Euryarchaeota"(0.0000),c:Thermoplasmata(0.0000),o:Thermoplasma
tales(0.0000),f:Thermoplasmatales_incertae_sedis(0.0000),g:Thermogymnomonas(0.0000);

GCTTTGCTATTCAGCGTTTGATGAATGCAATGCGACAGGCTCATGCTGATGGTTGGTTTATCGTTTTTGACACTCTCAC
GTTGGCTGACGACCGATTAGAGGCGTTTTATGATAATCCCAATGCTTTGCGTGACTATTTTCGTGATATTGGTCGTATG
GTTCTTGCTGCCGAGGGTCGCAAGGCTAATGATTCACACGCCGACTGCTATCAGTATTTTTGTGTGCCTGAGTATGGT
ACAGCTAATGGCCGTCTTCATTTCCATGCGGTGCACTTTATGCGGACACTTCCTACAGGTAGCGTTGACCCTAATTTTG
GGAAGTGTCCGCATAAAGTGCAC

>OTU3764;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9572),c:Spirochaetia(0.8755),o:Spirochaetales(0.725
2),f:Spirochaetaceae(0.5273),g:Treponema(0.2171);
ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGAACGAAGAAGGC
CGGAAGGTTGTAAAGTTCTTTTGAAACTGAAGAATAAGTATTGCTAGGAATGGCGTTATGGTGACGGTAGGTTTTGA
ATAAGCAACGTCTAATTACGTGCCAGCAGCCTCTGTAACACGTCTGTTGCGAGCGTTGTTCGGAATTATTGGGCGTAA
AGGGCATGTAGGCGGTTTTGCAAGCTTGGTGTGAAATGCATAGGCTCAACCTATGAACTGCATTGAGAACTACAAGA
CTTGAGTTAATGAGGTGGAAGTGGAAGTCCAGGTGTAGGGGTGAAATCTGCAGATATCTGGAAGAACACCAAGGGC
GAAGGCAAGTTACAAGCAGATAACTGACGCTGAGGAGCGAAGGTGCGGGGAGCAAACAGGATTAGATACCCTGGT
A

>OTU3763;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9348),c:Spirochaetia(0.8048),o:Spirochaetales(0.539
5),f:Spirochaetaceae(0.3544),g:Treponema(0.0712);
ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGAACGAAGAAGGC
CGGATGGTTGTAAAGCTCCTTTGAAACTGAAGAATATGTATTGCCGGGAATGGCGATATGGTGACGGTAGGTTTTGA
ATAAGCAACGGCTAATTACGTGCCAGCAGCCGCGGTAACACGTTAGTTGCTAGCGCTGTTCGGAATTATTGGGCGTA
AAGGGCATGTAGGCGGTTTTACAAGCTTGGTGTGAAATGCATAGGCTCAACCTATGAACTGCATTGAGTACTAAAAG
ACTTGAGTGTATGAGCTGGAACTGGAATGCCAGGTGTAGGGGTGAAATCTGCAGATATCTTGAAGAACACCGATGG
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A

>OTU3762;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Clostri
diaceae_1(0.1098),g:Clostridium_sensu_stricto(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGCGAAACCCTGATCCAGCCATGCCGCGTGAGTGATGAAGGC
CTTCGGGTCGTAAAGCTCTTTTTGTGAGGAAGATAATGACGGTACTCACAGAAGAAGCCATGGCTAACTCCGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATTCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTAGTAA
GTTGGATGTGAAATACCCAGGCTCAACTTTGGAACTGCATTTAAAACTGGTAATCTAGAGTGCAGAAGAGGAGAGAG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATCAGGAGGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAA
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>OTU3765;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Bacilli(0.5195),o:Lactobacillales(0.2679),f:Lactoba
cillaceae(0.1291),g:Lactobacillus(0.0230);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAGGAAGGG
TTTCGGCTCGTAAAGCTCTGTCGTTAGAGAAGAACGTGCGTGAGAGCAACTGTTCACGCAGTGACGGTATCTAACCA
GAAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGTGTA
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>OTU3766;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9882),o:"Bacteroidales"(0.9
939),f:Bacteroidaceae(0.8864),g:Bacteroides(0.8124);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGC
TCTATGGGTCGTAACTTCTTTTTTAAAAGAATTAAGGTCAGTATGTTATCTGGTTTGTTAGGAATAAATGAATAAGGAA
TGGCCTAACTCGTGGCAGCAGCCCCGGTTAAACGGAGGGTCCGAGGGTTATCCGGATTTATTGGGTTTAAAGGGAGC
GTAGGTGGACTGGTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGTCAGTCTTGAGT
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GCTCACTGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU3767;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Clostri
diaceae_1(0.1098),g:Clostridium_sensu_stricto(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAATGATGACGGC
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>OTU3768;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Bacilli(0.1159),o:Bacillales(0.0547),f:Paenibacillac
eae_1(0.0149),g:Paenibacillus(0.0066);
AAGGGAGGGAGAAGGGGGGAAGAGGGGGAAAGGGGAGAAAGAAGGAAAGAGGAACGAAGGGTGAAGGAAGAA
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>OTU3769;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.3448),c:"Bacteroidia"(0.1740),o:"Bacteroidales"(0.0
781),f:"Porphyromonadaceae"(0.0252),g:Butyricimonas(0.0076);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAATGG
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ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAGTACGTAGGAGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGG
CGCGTAGGCGGGAATGTAAGTCAGATGTGAAAGCTAGCGGCTCAACCGTTAAACTGCATTTGAAACTGTATGCCTTG
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>OTU3770;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Rumin
ococcaceae(0.3544),g:Anaerofilum(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGGGAAGAAGGT
TTTCGGATTGTAAACCTCTGTCTTCGGGGACGATAATGACGGTACCCGAGGGGGAAGCCACGGCTAACTACGTGCCA
GCAGCCGCGGTAAAACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGGTGCCA
AGTTGGGTGTGAAAACTATGGGCTTAACCCATAGATTGCACTCAAAACTGGCGCTCTTGAGTGATGGAGAGGCAGGC
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>OTU3771;tax=d:Bacteria(0.8696),p:"Bacteroidetes"(0.2586),c:"Bacteroidia"(0.0425),o:"Bacteroidales"(0.0
291),f:Prolixibacteraceae(0.0073),g:Prolixibacter(0.0035);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGTAGGC
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252),f:Bacteroidaceae(0.3544),g:Bacteroides(0.1299);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAATGG
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>OTU3772;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Lachn
ospiraceae(0.1098),g:Clostridium_XlVa(0.0157);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGTGACGCCGCGTGAGTGAAGAAGTA
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172),f:Bacteroidaceae(0.6709),g:Bacteroides(0.5239);
ACGGGAGGCAGCAGTGAGGAAGATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
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497),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);
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>OTU3775;tax=d:Bacteria(0.0041),p:"Acidobacteria"(0.0000),c:Acidobacteria_Gp1(0.0000),g:Gp1(0.0000);
TGGTGTAGTCCTTGATTCTGTTCCGCAGTCGGAAGCCGACGAAACCCGTAACAAAGCCCGCGCTGTACTGCGCGCTAT
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ACCTGGCAGATCAGTTGCGCAGCAATGGGCATAACGTGGTGATTTACCGCAACCATATTCCGGCGCAAACCTTAATTG
AACGCCTGGCGACCATGAGCAATCCGGTGCTGATGCTTTCTCCTGGCCCCGGTGTGCCGAGCGAAGCCGGTTGTATG
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>OTU3778;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8
520),f:"Porphyromonadaceae"(0.3884),g:Butyricimonas(0.1735);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAATGG
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GCGTAGGCGGGACGTCAAGTCAGCGGTCAAAGTTCCGGGCTCAACCCGGTGTCGCCGTTGAAACTGGCGTGCTCGA
GTGCGTGCGAGGAAGGCGGAATGCGTTGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGG
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>OTU3776;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9820),o:"Bacteroidales"(0.9
821),f:Bacteroidaceae(0.9201),g:Bacteroides(0.9566);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCAACGCCGCGTGAAGGATGACTGC
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GACGAGCACGAGAGCGGTCAGTAGCAATCCAAACTTTGTTACTCGTCAGAAAATCGAAATCATCTTCGGTTAAATCCA
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412),f:Bacteroidaceae(0.4224),g:Bacteroides(0.2171);
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359),f:"Rikenellaceae"(0.1098),g:Alistipes(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGACCAAAAGTCTGATCCAGCAATTCTGTGTGCACGATGAAGTT
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GCCAGCAGCCGCGGTAATACGTATGTCGCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTTTGA
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707),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);
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cillaceae(0.1291),g:Lactobacillus(0.0230);
ACGGGAGGCAGCAGTAGGGAACCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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737),f:Bacteroidaceae(0.5991),g:Bacteroides(0.4351);
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730),f:Bacteroidaceae(0.5632),g:Bacteroides(0.3915);
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GCGTAGGCGGGCGCTTAAGTCAGCTGTGAAAGTTTGGGGCTCAACCTTAAAATTGCAGTTGATACTGGGTGCCTTGA

GTGCAGTATAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGG
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acteriales"(0.5766),f:Enterobacteriaceae(0.3884),g:Escherichia/Shigella(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
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0.9280),f:Coriobacteriaceae(0.9108),g:Collinsella(0.4351);
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occaceae(0.2184),g:Enterococcus(0.0519);
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tae_sedis(0.0000);
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AGCTGTTGGTTCAGTAATCGTAATGATCGATTTAGTATTAGGTTACACAGCAATTCAAAGTGCTGCACTTTGGGCTCG

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ACGGAAGGCAGCAGCTAAGAATATTCCGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGG
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ospiraceae(0.3544),g:Clostridium_XlVa(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGGAAGCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
TCTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGGAGCCCCGGCTAACTACGTGCCA
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GTCAGTTGTGAAACCCATGGGCTCAACCCATGGCTTGCAATTGAAACTGCGGAGCTGGAGTACAGGAGAGGAAAGC
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547),f:"Porphyromonadaceae"(0.0149),g:Parabacteroides(0.0043);
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CAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGATTCATTGGGTTTAAAGGGTGCGTAGGTTGCCGATTAAGT
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843),f:Bacteroidaceae(0.9294),g:Bacteroides(0.9686);
ACTTTATTCATCATTGATTAATATTTTTCAATTTTCTATATCCTTAACCAGCCAAGTAGCTTTAAGTATGACTGCCCTATG
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138),f:Bacteroidaceae(0.2524),g:Bacteroides(0.0712);
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737),f:"Prevotellaceae"(0.7068),g:Prevotella(0.1299);
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acterales(0.8846),f:Campylobacteraceae(0.6709),g:Campylobacter(0.5239);
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685),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);
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497),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);
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diaceae_1(0.5273),g:Clostridium_sensu_stricto(0.3479);
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781),f:Prolixibacteraceae(0.0149),g:Prolixibacter(0.0066);
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606),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);
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ospiraceae(0.2864),g:Clostridium_XlVa(0.0519);
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413),f:Prolixibacteraceae(0.0099),g:Mariniphaga(0.0046);
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diaceae_1(0.4224),g:Clostridium_sensu_stricto(0.0808);
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CGCGGTAATCCGTAGGGGGCACGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGATGCAAGTCTG
GAGTGAAAGCCCAGGGCTCAACCCTGGGACTGCGTGGGAAACTGTATGGCTAGAGTGCTGGAGAGGTAAGTGGAA

TTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGTAGGAGCACCAGTGGCGAAGGCGGCTTACTGGACAGTAACTG
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>OTU3806;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.5174),c:"Bacteroidia"(0.0626),o:"Bacteroidales"(0.0
413),f:Prolixibacteraceae(0.0099),g:Prolixibacter(0.0046);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCCGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
CCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCCCGTTCGATGAGAGTACCAGGGGAATA
AGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTCTCCGGATTCATTGGGTTTAAAG
GGTGCGTAGGCTGTGCGTCAAGTCAGAGGTGAAAGCCCGGGGCTCAACTGCGGGGCTGCCCTGGATACTGTCGCGC
TGGAGTGCGGATGCCGACGGAGGAATGAGAGGTGTAGCGGTGAAATGCTTAGATATAAGTCAGAACACCGGTTGC
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>OTU3809;tax=d:Bacteria(0.0041),p:"Acidobacteria"(0.0000),c:Acidobacteria_Gp22(0.0000),g:Gp22(0.0000
);
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GGCAGCCCCGATGGGCAAGGTCATGCGGCATACGCTCGGCGCCAGTTTGAATATTAGACATAATTTATCCTCAAGTA
AGGGGCCGAAGCCCCTGCAATTAAAATTGTTGACCACCTACATACCAAAGACGAGCGCCTTTACGCTTGCCTTTAGTA
CCTCGCAACGGCTGCGGACGACCAGGGCGAGCGCCAGAACGTTTTTTACCTTTAGACATGACATCACTCCGTCTGCAC
GTAATTGTTGGCGCACGTGGTCTTCTGCGTCAGTAAGAACGTCAGTGGTTCCTGCG
>OTU3808;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9507),c:"Bacteroidia"(0.8472),o:"Bacteroidales"(0.6
509),f:"Prevotellaceae"(0.4563),g:Prevotella(0.0808);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCCGAACCAGCCACGTCGCGTGCAGGACGACGGC
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GACCGGCTAATTCCGTGCCAGCAGCCGAGGTGATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAGGG
GAGCGTAGGCCGACTTCTAAGCGGGTTGTGAAATGTCGGGGCTCAACCTGGGAATTGCAGCGCGAACTGTGAGACT
TGAGTGCGGAGGAAGTAGGCGGAATTCGTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCG
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>OTU3810;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6036),c:"Bacteroidia"(0.0626),o:"Bacteroidales"(0.0
413),f:Prolixibacteraceae(0.0099),g:Prolixibacter(0.0046);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCCGAACCAGCCATGCCGCGTGCGTGAAGAAGGC
CCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACCATCGGAATAA
GCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGG
GTGCGTAGGCTGTGCGTCAAGTCAAGGGTGAAATTCCGGGGCTCAACTCCGGGGCTGCCTTTGATACTGTCGAGCTG
GAGTGCGGATGCGGCCGGAGGAATGAGTGGTGTAGAGGTGAAATGCTTAGATATCACGAAGAACACCGATTGCGA
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>OTU3812;tax=d:Bacteria(0.0041),p:Cyanobacteria/Chloroplast(0.0000),c:Chloroplast(0.0000),f:Chloroplast(0.0000),g:Streptophyta(0.0000);

TGATGAGTTTGTATCTGTTACTGAGACGTTAATGGTTGAATTGCCACACTGCTACAATGTGCTCCCCCAACTTGATATTAATAACACTATCGACCACCGCCCCGAAGTGGACGAAAAATGGTTTTTAGAGATCGAGAAGACGGTTACGCAGTTTTGCCGCAAGCTGGCTGCTGAACGCCCTCTTAAGGATATTCGCGATGAGTATAATTACCCCAAAAAGAAAGGTATTAAGGATGAGTGTTCAAGATTGCTGGAGGCCTCCACTATGGAAACGCGTAGAGGCTTTGCTATTCAGCGTTAGATGAATGCAAAGCGACAGGCTCATGCTGATGGTTGGTTTATCGTTTTTGACTCTCTCACGTTGGCGGACGACCGATTAGAGGCGTTTTATGATAATC

>OTU3807;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Lachnospiraceae(0.6350),g:Clostridium_XlVa(0.4351);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCCGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGGCTAAGAAGCCCTGGCTAACTACCTGCCAGCAGCCGCGGTAATACGTAGGCGGCAAGCGTTATCCGGATTTACTGGGAGTAAAGGGAGCGTAGACGGCGGAGCAAGTCTGAAGTGAAAACCCAGGGCTCAACCCTGGGAGTGCTTTGGAAACTGGTCAGCTAGAGTGTCGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTGGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTACTGGACGATAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU3811;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Clostridiaceae_1(0.0457),g:Clostridium_sensu_stricto(0.0110);

ACGGGAGGCAGCAGTGGGGAATTTTGCACAATGGACGCAAGTCCGATGCAGCGACGCCGCGTGAGTGATGAAGGTCTTCGGATCGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCCGAGGAGGAAGCCACGGCTAACTACGGTCCAGCCGCCGGGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGATTGAGCGTAAAGGGCGCGTAGGCGGCCTGATAAGTTTGAAGTGAAAGTCCTTCTTTTAAGGAGGGAACTGCTTTGAAAACTGTTGGGCTTGAGTGCAGGAGAGGTAAGCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTTACTGACGCTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU3813;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9321),o:"Bacteroidales"(0.8412),f:"Prevotellaceae"(0.4563),g:Prevotella(0.1299);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTGCGGCACGTGTGCCGTTTTGTAGGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCGGCCTTTTAAGCGTGACGTGAAATGTAGGCGCTCAACGTCTGAATTGCGTCGCGAACTGTTAGGCTTGAGTAGACGGAATGTCGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTGACAGCAGTTTTACTGACGCTCATGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU3814;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.9606),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGTAGCCCGAACCAGCCAAGTAGCGTGCAGGACGAAGGCTCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTATGTATACTGATTTGTATGTATTATATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTTGACTGTTAAGTGAGTTGTGAAAGGTTGCGGCTCAACGGCAAAATTGCATTTGATACTGTTAGTCTTGAGTACAGTAGAGGTTGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACAAGGCTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU3815;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:Sphingobacteriia(0.1159),o:"Sphingobacteriales"(0.0547),f:Sphingobacteriaceae(0.0149),g:Solitalea(0.0066);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGCGGCCCTATGGGCTGTGAACCGCTTTTGTCTGGGGGCAATAAGGGCGTCGCGCACGTCCGTTGAGAGTACCAGGGGAATAAGCATCGGCTAACTCCGTGCCAGAAGCCGCGGTAATACGGGGGTTGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGGGCGTAGGCTGTGCGTCAAGTCAGTGGTGAAATTCCGGGGCTCAACTCCGAGGCTGCACTTGATACTGGCGCGCTTGAGTACAGATGCCGCCGGAGGAATTAGTGGTGTAGCGGTGAAATGCTTAGATATCACTCAGAACACCGATTGCGAAGGCATCTGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA

>OTU3816;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9572),c:Deltaproteobacteria(0.8755),o:Desulfovibrionales(0.7252),f:Desulfovibrionaceae(0.4224),g:Desulfovibrio(0.1299);

ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGTCTTCGGATCGTAAACCTCTGTCAGAAGGGAAGAAACTAGGGTGCTCTAATCATCATCCTACTGACGGTACCTTCAAAGGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATCACTGGGCGTAAAGCGCACGTAGGCTGTGCGTCAAGTCAGGGGTGAAATTCCGGGGCTCAACTCCGGGGCTGCCCTTGATACTGTCGCGCTGGAGTGCGGATGCCGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACTCAGAACACCGATTGCGAAGGCAGCCTGCTGGACTGTCACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU3818;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lachnospiraceae(0.2864),g:Clostridium_XlVa(0.0615);

ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCTGATTGCAGGGACCCCCGGTGGGTAAAGAGTTTTTTCGGATTGTAAGGCCCTACCAGCGGGGAAGAAAATGACGTTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCGGCAGCCGCGTAAATAGGAAGGGGGAAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGATGCAAGTCTGGAGTGAAAGCCCAGGGCTCAACCCTGGGACTGCTTTGGAAACTGTATGGCTAGAGTGCTGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACAGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU3817;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9769),o:Clostridiales(0.9497),f:Clostridiaceae_1(0.6709),g:Clostridium_sensu_stricto(0.3915);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATCATGACGGTACCTGAGGAGGAAGCCTCGGCTAACTACGTGCCAGCAGCCCCGGTAATACGTCGGTGGCGCGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGAATTTTAAGTGAGATGTGAAATACCCGGGCTCAACTGGGGTGCGGAATTTCAAAATGGAAGTCAAGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGGGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGAGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3819;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.9606),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);
ACGGGAGGCAGCAGTGAGGAATATCGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGTCCTATGGATTGTAAACTTCTTTTATACGGGAATAAAGTGGAGTACGCATACTGTTTTGAATGTACCGTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATTCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGATACTTAAGTCAGTTGTGAAATTTTGCGGCTCAACCGTAAATATGCAGTTGATACTGGGCTTCTTGAATACAGTTGAGGCATGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGGAGTGTCATTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU3820;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9762),o:"Enterobacteriales"(0.8737),f:Enterobacteriaceae(0.7787),g:Escherichia/Shigella(0.3479);
ACGGAAGGCAGCAGTGGGGAATGTTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTTATACCTTTGCTCATTGACGTTACCCGCAGAAGAAGCACCGGCTAACTCCGTGCCCGCAGCCGCGGCAATACGGAGGGTGCAAACGTTAATCGGAATTACTGGGCGTAAAGCGAGCGCAGGCGGTTTGTTAAGTGTGATGTGAAATCCCCGGGCTCAACCTGGGAGCTGCGTCGGATACTGGCAAGCTTGAGTGTCGTAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGAGATGCGTAGAGATCTGGAGGAACACCGGTGGCGAAGGCGGCCCCCTGGACGAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3821;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.9063),f:"Rikenellaceae"(0.8864),g:Alistipes(0.8124);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCATGCCGCGTGCAGGAAGACGGCTCTATGAGTTGTAAACTTCTTTTGTCCGAGGGTAAACGCTCTTACGTGTAAGATCCTGAAAGTATCGTACGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTTTGTTAAGTTAGGGGTGAAATACCGGTGGTTAAAACCGGAAATGCCACGAATACTGGTGAACTAGAGAGTAGTTGAGGTAGGCGGAATGTATGGTGTAGCGGTGAAATGCTTAGAGATCATACAGAACACCGATTGCGAAGGCAGCTTACCAAAATATAACTGACGTTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU3823;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9168),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3319),f:"Prevotellaceae"(0.1098),g:Prevotella(0.0181);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGTCAAGTAGCGTGACGGAAGACTGC
CCTACGGGTTGTAAACCTCTTTTGTTTGGGAATAAAGTGCGGGACGTGTCCCGCATTGCATGTACCATTTGAATAAGG
ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGCAGGCCGTGGGTTAAGCGTGCAGTGAAATTCCGTCGCTCAACGGCGGACGGGCGGCGCGAACTGGTCCACTTG
AGTACGCGGGACGTTGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAAGTCAGAGTGAGAAG
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>OTU3822;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.7907),c:Gammaproteobacteria(0.5195),o:Pasteurellales(0.2359),f:Pasteurellaceae(0.1098),g:Actinobacillus(0.0134);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGGGACCCTGATGCAGCCATGCCGCGTGAATGAAGAAGGC
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CAAGCACCGGCTAACTCCGTGCAAGCACCCTCGTTAATACGGAGGGTGCGAGCGTTGATCGGAATAACTGGGCGTAA
AGGGCACGCAGGCGGATTGGAAAGTTGGATGTGAAATCTATGGGCTCAACCCATAAATTGCTTTCAAAACTGTCAAT
CTTGAGTGGTGTAGAGGTAGGCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCAGTGGC
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>OTU3824;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9994),c:"Bacteroidia"(0.9805),o:"Bacteroidales"(0.9775),f:Bacteroidaceae(0.9201),g:Bacteroides(0.9566);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGC
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TCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGTAGGTGGACTGGTAAGTCAGTAGTGAAAGTGTGCGGCTCAACCGTAAGATTGCAGTTGATACTGGCAGTCTTGAG
TACAGTAGAGGTGGGCGGAATTCGTGGTGTTGCGGTGAAATGCTTAAGTATCGCGAAGAACTCCGATTTCGAAGGC
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>OTU3826;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9791),o:"Bacteroidales"(0.9730),f:Bacteroidaceae(0.9015),g:Bacteroides(0.8605);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGT
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TCGGCTAACCCCGTGCCAGCAGCCGTGGTAATACGGAGGACCCGATCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGTAGGCGGATGCTTAAGTCAGTGGTGAAAGTTTGCGGCTCAACCGTAAGATTGCATTTGATACTGGGCGTCTTGAG
TACAGTAGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGC
AGCCTACTGGACTGTCACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU3825;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Clostridiaceae_1(0.2864),g:Clostridium_sensu_stricto(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAACGGGCGCAAGCCTGACCCGGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTAAGAGGGAAGGGCAGAAGACGGTACCTCTAGAATAAGCCACGGCTACCTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTTTTAAGTGAGATGTGAAATACCCGGGCTTAACTTGGGTGCTGCAGTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAAGGGAATTCCTAGTGTAGCGGTGAAATGTGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTTCCTGGACGATATCTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3827;tax=d:Bacteria(0.9450),p:"Bacteroidetes"(0.3448),c:Sphingobacteriia(0.0525),o:"Sphingobacteriales"(0.0352),f:Sphingobacteriaceae(0.0086),g:Nubsella(0.0043);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGAAGGCCCTATGGGCTGTGAACTGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGACAGTACCAGGGGAATAAGCATCGGCTAACTCCGTGCCAGGAGCCGCGGTATTACGGGGGTTGCGAGGGTTATCCGGATTCATTGGGTGTAAAGGGTGCGTAGGCTGTGCGTCAAGTCAGGCGTGAAATTCCGGGGCTCAACTCCGGGGCTGCCCTTGATACTGTCGCGCTGGAGTGCGGAAGACGCCGGAGGAATGCGTAGTGTAGCGGTGAAATGCGTAGATATCACGAAGAACACCGATTGCGAAGGCAGCTGACGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU3828;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Lachnospiraceae(0.2864),g:Lachnospiracea_incertae_sedis(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAGGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGATAAGCAAGTCTGATGTGAAAATCCGGGGCCCAACCCGGGAATTGCATGGGAAACTGCATATCTAGAGTGTCGGAGAGGCAAGGGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATCAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGAAAACAGGATTAGATACCCGGGTA
>OTU3829;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9711),o:"Bacteroidales"(0.8737),f:"Rikenellaceae"(0.7787),g:Alistipes(0.5239);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGAAGTCTGAACCAGCCATGCCGCGTGCAGGAAGACGGCTCTATGAGTTGTAAACTGCTTTTGTACAAGGGTAAACCTGAATACGTGTATTCAGCTGAAAGTACTGTACGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGATTGATAAGTTAGAGGTGAAATGTCCGAGCTCAACTCGGGAACTGCCTCTAATACTGTTGATCTAGAGAGTAGATGCGGTAGGCGGAATGTATGGTGTAGCGGTGAAATGCTTAGAGATCATACAGAACACCGATTGCGAAGGCAGCTTACCAATCTATATCTGACGTTGAGGCACGAAAGCGTAGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU3830;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Lachnospiraceae(0.1872),g:Clostridium_XlVa(0.0423);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTGCGTGCCAGCTGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGACTTACTGGGTGTAAAGGGAGCGTAGACGGCGATGCAAGTCTGGAGTGAGAGCCCAGGGCTCAACACTGGGACTGCGTTGGAAACTGTAGGGCTAGAGTGCTGGAGAGGGAAGTGGAAGTCCTAGTGTAGCGATGAAATGAGTAGATATTGGGAGGAACACCAGTGGAGAAGGCGGCTTACTGGACAGTAACTGACGTTGGGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3831;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9995),c:Alphaproteobacteria(0.9993),o:Rhizobiales(0.9934),f:Methylobacteriaceae(0.9759),g:Methylobacterium(0.9781);
ACGGAAGGCAGCAGTGGGGAATATTGGACAATGGGCGCAAGCCTGATCCAGCCATGCCGCGTGAGTGATGAAGGCCTTAGGGTTGTAAAGCTCTTTTATCCGGGACGATAATGACGGTACCGGAGGAATAAGCCCCGGCTAACTTCGTGCCAGCAGCCGCGGTAATACGAAGGGGGCTAGCGTTGCTCGGAATCACTGGGCGTAAAGGGCGCGTAGGCGGCGTTTTAAGTCGGGGGTGAAAGCCTGTGGCTCAACCACAGAATGGCCTTCGATACTGGGACGCTTGAGTATGGTAGAGGTTGGTGGAACTGCGAGTGTAGAGGTGAAATTCGTAGATATTCGCAAGAACACCGGTGGCGAAGGCGGCCAACTGGACCATTACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3833;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9638),c:"Bacteroidia"(0.8048),o:"Bacteroidales"(0.5395),f:"Porphyromonadaceae"(0.3204),g:Barnesiella(0.0519);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTCGCGTGAGGGAGTAAGGCCCTACGGGTCGTAAACCTCTTTTGCCGGGGAGCAGTGCCCAGCTCGTGAGCTGGGAGGGAGCGTACCCGGAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGGCCTTCAGGCCGGCGGTAAAATTGCGGGGCTCAACCCCGCCGAGCCGTCGGAACCGGGGGCCTTGAGTACCGGAGAAGTACGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACCCCGATTGCGAAGGCAGCGTACCGGCCGGTCACTGACGCTGAGGCACGAAAGCGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU3832;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.2902),o:Clostridiales(0.1015),f:Gracilibacteraceae(0.0355),g:Gracilibacter(0.0087);
ACGGAAGGCAGCAGTGGGGAATCTTCCACAATGGGCGCAAGCCTGACGGAGCAACGCCGCGTGAATGAAGAAGGTCTTCGGATCGTAAAGTTCTGTTCTTAGGGAAGAAGTCTTAGATTGTGAATAATGATTTAAGGTGACGGTACCTATGGAGAAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGCGCGTAGGCGGGAACTTAAGTTAGATGTGAAAACTCCGGGCTTAACCTGGAGACTGCATTTAAAGCTGGGTTTCTTGAGGGCAGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTTCTGGACTGTACCGGACGCTGAGGCGCGAAAGCATGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU3834;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Clostridiales_Incertae_Sedis_XIII(0.1872),g:Mogibacterium(0.0519);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAACCGCTTTCAGCAGGGAAGACTTCGACTGTACCTGCAGAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTGCGTAGGTGGTTATCTAAGCGTAAGGTTTAAGCGTGCAGCTCAACTGCATCTCGCCTTGCGAACTGGACTACTTGAGTGCAGGAGGGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGCGGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU3835;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Lachnospiraceae(0.4914),g:Blautia(0.1735);

ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGAAGCCGCGTGGGTGAAGAAGTATTTCGGTTTGTAAAGCCCTATCAGCAGGGAAGAAGATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTCCCAGCAGCAGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGCAAGTCTGATGTGAAAGGCAGGGGCTCAACGCCTGGACTGCATTGGAAACTGTATGGCTTGAGTGCCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTGACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU3836;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9507),c:"Bacteroidia"(0.5579),o:"Bacteroidales"(0.2999),f:Bacteroidaceae(0.0710),g:Bacteroides(0.0157);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAGGGAATAAATGTGGGTACGCGTACCCGTTTGCATGTACCTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTTAGATAAGTTTGAGGTTAAATGCTTCTGCTCAACAGGAGTTTGCCTTGAAAACTGTCTGACTAGGATGTAAACGGCGCAGGCGGAATGAATCATGTAGCGGTGAAATGCTTAGAGATCATACAGAACACCGATTGCGAAGGCAGCTTACCAAACTATATCTGACGTTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU3837;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Bacilli(0.8614),o:Lactobacillales(0.5395),f:Lactobacillaceae(0.2524),g:Lactobacillus(0.0712);

ACGGGAGGCAGCAGTGGGGCATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGTGGCAGCAACTGGCCATTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAGATAAGTCTGAAGGGAAAGCCCCCGGCTTAACCGGGGAACTGCTTCGGAAACTGTCCGTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGAAAGGCGCAGAGATCTGGAAGAACTACAGTGGCGCACGCGGCTACGCGGTCCGAACTTCGCGATGCAGCACGAAAGCGTGGGTAAACAACAGGATTAGATACCCTGGTA

>OTU3838;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachnospiraceae(0.2864),g:Clostridium_XlVa(0.0808);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGAGGTTATACGTAGGGGTCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGATGCAAGTCTGGAGTGAAAGCCCAGTGCTCAACCATGGGACTGCTTTGGCAACTGTATGGATAGAGGGATGGTGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGAAGATATTATGAGGAACACCAGTTGCGAAGGCGGCTTACTGGACAGTAACGGACGTTGAGGCTCGAAAGCGTGGGGAGCGAAGAGGATTAGATACCCTGGTA
>OTU3839;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Clostridiaceae_1(0.1485),g:Clostridium_sensu_stricto(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAAGCCTGATCCAGCCACGTCGCGTGCGTGATGACGGTTTTCGGATTGTAAAGCTCTGTCTATGGGGAAGATAATTAAGGTACCCAAGGCGGAAGCCACGGCTCTCTACGTGCCAGACCCCGCGGTACTACGCAGGTGGCCAGCGTAATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAAGTGGGATGTGAAATACACGGGCTCAACGGGTGTGCTGCATTCCAAACTGGTTGTCTAGAGTGAAGGCGACGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCGGTGGCGAAGGCGACTCTCTGGACTGTAACTGACGCTAAGGCTCGAAGGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU3841;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Lachnospiraceae(0.1679),g:Ruminococcus2(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGCAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTATCTGACTAGGAAGCCCCAGCTAACTCCGTGCCAGCAGCCGCGGTATAACGCAGGGGGCAAGCGTTATCCGGATGTACTGGGGGTAAAGGGAGCGTAGACGGCGTAGCAAGTCTGATGGGAAAGGCAGGGGCTCCACTCCTGGAGTGCATTGGAAACTGGTATGCTCGAGTGCCGGAGGAGTACGCGGAATGCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCGTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3840;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9933),o:"Bacteroidales"(0.9934),f:Bacteroidaceae(0.9480),g:Bacteroides(0.9724);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAGGGGAATAAAGTATTCCACGTGTGGGGGTTTGTATGGACCATATGAATAAGGATCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAGGAACCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGATTGTTAAGTCAGTTGTGAAATATTGCGGCTCAACCGTAATATTGCAGTTGAAACTGGCAGTCTTGAGTACAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTAGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU3842;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9711),o:"Bacteroidales"(0.8737),f:"Prevotellaceae"(0.3544),g:Prevotella(0.1299);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAGGGAATAATTGCGGGTACGCGTACCCGTTTGCATGTACCTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGCTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGCTGTTAAGTCTGCTGTGAAAGGTAGGGGCTCAACCTTAAAATTGCAGTGGATACTGAGTGTCTTGAGTGCAGGATAGGCAGGCGGAATTTGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTTGCTGGAGTGCAACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU3843;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9711),o:"Bacteroidales"(0.8737),f:Bacteroidaceae(0.5273),g:Bacteroides(0.3479);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGTCCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGTATACCCGTTTGTATGTACTTTATGAATAAGGATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGATGGATGTTTAAGTGTGATGTGAAAGTTTGCGGCTCAACCGTTGAATTGCAGTTGGTACTGTATGTCTTGAGTGCAGTTGATGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCAACTAAGCTTCTACTGACATTAAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU3844;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Ruminococcaceae(0.7068),g:Intestinimonas(0.0904);

CCTTTCTTCCTCCTTTTTGACTATTGGGCCCTGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTGTCAGGGACGAAACAAATGACGGTACCTGACGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGAAATACGTAGGTGGCAAGCTTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGAGTGCAAGTCAGATGTGAAAATTATGGGCTCAACCCATAACCTGCATTTGAAACTGTACTTCTTGAGTACTGGAGAGGCAGGCGGAATTCCGTGTGTAGCGGTGAAATGCGTAGATATACGGAGGAACACCAGTGGCGAAGGCGGCCTGCTTGACAGCAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU3845;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Lachnospiraceae(0.6350),g:Coprococcus(0.3479);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGCTGCAGCGACGCCGCGTGAGCGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCTGGGAAGAAAGTGACGGTACCTGACTCAGAAGCACCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGGTGCAAGCGGTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGTAAGTCGGAAGTGAAAGCCCGGGGCTCAACCCCGGAACTGCTTTGGAAACTATGCAGCTGGAGTATCGGAGAGGAAAGTGGAATACCCAGTGTAGCTGTGAAATGCGTAGAGATTGGGAGGAACACCAGTAGCGAAGGCGGCTTGCTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU3846;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9769),o:Clostridiales(0.9606),f:Rumin
ococcaceae(0.9015),g:Gemmiger(0.1299);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACTCTGATGCAGCGACGCCGCGTGGAGGAAGAAGG
CTTTCGGATTGTAAACTCCTTTCGCTAGGGACGATAATGACGGTACCTAACAAGAAAGCACCGGCTAACTACGTGCCC
GCAGCCACGGTAAAACGTAGGGTGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGACCGGCA
AGTTGGAAGTGAAATCTATGGGCTTAACCCATAAATTGCGTTGAGAACTGGTGGCCTTGAGTAGTGCAGAGGTAGGT
GGAATTCCCGGTGTAGCGGTGGAATGCGTAGATATCGGGTGGAACACCAGTGGCGAAGGCGAGCTACTGGGCACCA
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>OTU3847;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8628),c:"Bacteroidia"(0.6346),o:"Bacteroidales"(0.3
639),f:Bacteroidaceae(0.1485),g:Bacteroides(0.0326);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
CCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGGATACCCGTTTGCATGTACTTTATGAATAAGG
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGATTCATTGGGCGTAAAGCG
CGCGTAGGCGGCTCGCCAAGCGGGATCTCAAACCTGAGGGCTCAACCCCCAGCAGGATCCCGGACTGGCGGGCTCG
AGTTCGGTAGGGGAAGGCGGAACTCCCAGTGTAGCGGTGAAATGCGCAGATATTAGGAGGAACATCGGTGGCGAA
GGCGGCTTTCTGGACTGCAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3850;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.9
389),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCACGTAGCGTGAAGGATGACTGC
CCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGCATACCCGTTTGCATGTACTTTATGCATACGGA
TCGGCTACCTCCGTGCCCGCAGCCGCGGTCATACGGAGGCTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGTAGATGGATGGTTAAGTCAGGTGTGAAAGGTTGCGGCTCAACCGTAAAATTGCAGTTGAAACTGGAGATCTTGAG
TGCAGGTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACACCGATTGCGAAGGC
AGCCTGCTAAGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU3848;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Bacilli(0.5579),o:Lactobacillales(0.2999),f:Lactoba
cillaceae(0.1485),g:Lactobacillus(0.0326);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
TTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCA
GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTACTGGGTGT
AAAGGGAGGGTAGGCGGGCAGGCAAGTTAGGCGTGAAATATATCGGCTCAACCGGTATCTGCGCTTGAAACTGCAG
GTCTTGAGTGAAGTAGAGGTTGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCGGTG
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TA

>OTU3849;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Rumin
ococcaceae(0.2524),g:Acetanaerobacterium(0.0230);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGGGAAGACGGT
CCTCTGGATTGTAAACCTCTGTCTTCGGGGACGAAACGAGACGGTACCCGAGGAGGAAGCCACGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGTGTAGGCGGGCTGGT
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GCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTAAGCTGC
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>OTU3851;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9441),c:"Bacteroidia"(0.4812),o:"Bacteroidales"(0.2
359),f:"Rikenellaceae"(0.1098),g:Alistipes(0.0204);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCATGCCGCGTGCAGGAAGACGGC
CCTATGGGTTGTAAACTGCTTTTGCCGGGGAATAAACTGCAGTACGTGTACCGGTTTGTAAGTATCCGACGAATAAG
GATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCAAGCGTTATCCGGATTTATTGGGTTTAAAGGG
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AGTGTAGTTGCGGTAGGCGGAATTTGTGGTGTAGCGGTGAAATGCTTAGAGATCACGAAGAACACCGATTGCGAAG
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>OTU3852;tax=d:Bacteria(1.0000),p:Firmicutes(0.3448),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Pepto
coccaceae_2(0.0149),g:Desulfotomaculum(0.0066);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCATGACCCAGCAACGCCGAGTGAGGGAAGAAGG
TTTTCGGATTGTAAACCTCTGTCCTAAGGGACGAAGGAAGTGACGGTACCTTAGGAGGAAGCCCCGGCTAACTACGT
GCCAGCAGCAGCGGTCATACGTAGGGGGCGAGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGTGTAGGCGGCAG
TATAAGTCCGGAGTGAAAGCCCTGCTTTCAAGGTGGGAATTGCTTTGGAGACTGTACAGCATGAGTGCGGAAGGGG
TAGGTGTAATTCCCAGTGTAGCGGTGAAGTGCGTAGAGATTGGGAGGAACGCCAGTGGCTAAGGCGACTTACTGGG
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>OTU3853;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:"Bacteroidia"(0.0726),o:"Bacteroidales"(0.0
473),f:Marinilabiliaceae(0.0113),g:Alkalitalea(0.0056);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGACGGAAGAAGGA
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GCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATAAGGGGGATGCGAGCGTTATCAGGATTTATTGGGTGTAAAG
GGTGCGTAGGCGGGTGTGTAAGTCAGCCGTGAAATGTCCACGCTCAACGTCGAACGTGCGTTTGATACTGCCGTCCT
TGAATGCGGATGCCGTGGAAGGAATGTGTGGTGTAGCGGTGAAATGCATAGATATCACACAGAACACCGATTGCGA
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>OTU3854;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:Sphingobacteriia(0.1159),o:"Sphingobacteriales"(0.0547),f:Sphingobacteriaceae(0.0149),g:Solitalea(0.0066);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCCTATGGGTTGTGAACTGCTTTTGGCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATTGGAGTACTAGGGGGATAAGCAACGGCTAACTCCCTGCCAGCAGCCGCGGTAATACGGGGGGTGCGGGCGGTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCGGTGCGTCAAGTCAGGTGTGAAATCCCGGGGCTCAACTCCGGGCCTGCACTTGATACTGTCGAGCTGGAGTGCGGACGCCGCTGGAGGAATTAGTGGTGTAGCGGTGAAATGCTTAGATATCACGCAGAACACCGATTGCGAAGGCATCTGTCGAGTCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA
>OTU3855;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Ruminococcaceae(0.3884),g:Oscillibacter(0.0326);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCAGAAACGCCGCGGGAAGGAAGAAGGCCTTCGGGTTGTTAACTTCTTTTTTCGGGGACGAGTAGAAGACGGTTCCTGGCGAATAAGCCACGGCCAACCTCGTGTCAGCCGCCGCGGTAATACGGAGGTGGCAAGCCGTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGAAGGCAAGTCAGATGTGAAATCCACGGGCTTAACTCGTGAACTGCATTTGAAACTACTTTTCTTGAGTATCGGAGAGGCAATCGGAATTCCTAGTGCAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3856;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Clostridiaceae_1(0.5991),g:Clostridium_sensu_stricto(0.3915);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCCACGCCGCGTGAGTGATGAAGGTTTTCGGATCGTAAAGCTCCGTCTTTGGGGAAGCTAATGACGGTACCCATGGCGGAAGCCACGGCTCCCTACGTGCCACCAGCCCCGGTAATGCGCCGGCGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAAGTGGGATGTGAAATGCCCGGGCTCAACTTGGGTGCTGCATTCCGAACTGGTTATCTAGAGTGCAGGAGAGGAGAGTGGAATTCGTAGTGTAGCGGTGAAATGCGTAGAGATTAGGCAGAACACCAGTGGCGAAGGCGACTCTCGGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3857;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9776),o:Clostridiales(0.9685),f:Clostridiaceae_1(0.6709),g:Clostridium_sensu_stricto(0.4787);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGTTTTCGGATCGTAAAGCTCTGTCTATGGGGAAGATAATGACGGTACCCAAGGTGGAAGCCACGGATAACTTCGTGCCAGCAGCCGCGGTAATACGTAGGCGGCCACCGTTATCCGGAGTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATAAAGTGGGATGTGAAATACCCGGGCTAAACTTGGGTGCTGCATTCCAAACTGGTTATCTAGAGTGCAGGAGAGGAGAGTGGAATCCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGGTTCTCGAGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU3858;tax=d:Bacteria(0.7187),p:"Bacteroidetes"(0.1508),c:"Bacteroidia"(0.0224),o:"Bacteroidales"(0.0170),f:Marinilabiliaceae(0.0033),g:Alkalitalea(0.0028);

ACGGGAGGCAGCAGGGAGGAATATTGGGGAATGGGCGGAAGAGTGAACGAGCGATGTCGCGTGAGGGAAGGAG
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TAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGGTATCCGGATTCATTGGGTTTAA
AGGGTGCGTAGGCTGTGCGTCAAGTCAGGGGTGACATTCCGGGGCTCAACTCCGGTGCTGCCCTTGATACTGTCGCG
CTGGAGTGCGTATGCCGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGTTATCACTCAGAACACCGATTGCC
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>OTU3859;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9966),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4652),f:Bacteroidaceae(0.0904),g:Bacteroides(0.0181);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGC
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ACCGGCTAATCCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGCAGATCGATGGTTAAGCCAGACGTGAAATGTTGGGGCTCAACCGTAAAATTGCAGTTCATACTGGCAGTCTTGA
GTACAGTCGAGGTCAGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACCCCGATTGCGAAGG
CAGCTGACGAGACCTTTACTGACACTGATGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU3861;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Clostridiaceae_1(0.4563),g:Clostridium_sensu_stricto(0.2171);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAAACATGATGCAGCAACGCCGCGTGAGTGATGAAGGT
TTTCGGATCGTAAAGATCTGTCTTTGGGGAAGATAATGACGGTACCCAAGGAGGAAGCCAAGGCTAACTCAGTGCCA
GCAGCCGCGGTAATACGTAGGTGGCAAGCGATATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACGATTAA
GTGGGATGTGAAATACCCGGGCTTAACTTGGGTGCTGCATTCCAAACTGGTTATCTAGAGCGCAGGCGAGGGGAGT
GGAATTCCTATTGTAGCGGTGAAATGCGTAGAAATTAGTAAGACCACCAGTGGCGAAGGCGACTCTCTAGACTGTAA
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>OTU3860;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9348),c:Gammaproteobacteria(0.8048),o:"Enterobacteriales"(0.4652),f:Enterobacteriaceae(0.2864),g:Escherichia/Shigella(0.0519);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGCAACCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
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AGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGCAATACGGCGGGTGCAAGCGTTAATCGGAACTACTGGGCGT
AAAGCGCACGCAGGCGGTTTGTTAAGGTAGATGTGAAATCGCCGGGCTTAAACCTGGGACTGCTTTTGAAACTGTAT
GGCTAGAGTGGTGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTG
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GTA

>OTU3862;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9805),o:Lactobacillales(0.9707),f:Lactobacillaceae(0.9201),g:Lactobacillus(0.6681);
ACGGGAGGCAGCAGTAGGGAACCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTAGAGAAGAACGTGCGTGTGAGCAACTGTTCACGCAGTGACGGTATCTAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTGATAAGTATGATGTGAAAGCCTTGGGCTTAAACAAAGAAGTGGAGCGGAAACTGTAAGACTTGAGTGCAGAAGAAGACAGGGGAACTCCATGTGTAGCGGTGGAAGGCGGAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGATA
>OTU3863;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Bacilli(0.6730),o:Lactobacillales(0.3959),f:Lactobacillaceae(0.2184),g:Lactobacillus(0.0519);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTGGAGGAGAACGTGCGTGAGAGTAACTGTTCACGCAGCGACGGTATCCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGTGTAAAGGGTGCGTAGACGGGCATGCAAGTTGGTTGTGAAATCCCTCGGCTTAACTGAGGAACTGCAACCAAAACTGTATGTCTTGAGTGCAGGAGAGGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3864;tax=d:Bacteria(0.0058),p:"Bacteroidetes"(0.0000),c:Flavobacteriia(0.0000),o:"Flavobacteriales"(0.0000),f:Flavobacteriaceae(0.0000),g:Myroides(0.0000);
GTGAATCATCGAATCTTTGAACGCACATTGCGCCCCTTGGTATTCCATGGGGCATGCCTGTTCGAGCGTCATTTACACCCTCAAGCTCTGCTTGGTGTTGGGCGTCTGTCCCGCTTCATGCGTGGACTCGCCCCAAAGATATTGGCAGCGGTCTTGCCAGCTTCTCGCGCAGCACTTTGCGTTTCTCGAAGCTTTGGCGGATCGGCGTCCACCAAGTCTATATCACAGTTTGACCTCGGATCAGGTAGGGATACCCGCTGAACTTAAGCATATCAATAAGCGGAGGA
>OTU3865;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:"Bacteroidia"(0.4428),o:"Bacteroidales"(0.2039),f:"Prevotellaceae"(0.0710),g:Prevotella(0.0087);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTACGGGTTGTAAACTGCTTTTAGGCGGGGGTAAAGGGGCGGACGCGTTCCGCTTTTGCAAGTACCGCCAGAAAAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCATGGCAAGCCTGATGTGAAAGCCCGGGGCTCAACGCCGGGGCTGCCCTTGATACTGTCGCGCTGGAGTGCGGATGCCGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACTCAGAACACCGATTGCGAAGGCATCTGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA

>OTU3866;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Ruminococcaceae(0.2184),g:Acetanaerobacterium(0.0519);
ACGGGAGGCAGCAGTGGTTTCTCTTGCACAATTTGGTAACCCCTGATGCAGCGACGCCGCGTGAGGGAAGACGGTCCTCTGGATTGTAAAACTCTGTCTTCGGGGACGAAAGAAGACGGTACCCGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGCATTACTGGGTGTAAAGGGAGCGTAGGCGGGCAGGCAAGTCAGGCGTGAAATATATCGTCTCAACCGGTATCTGCGCTTGAAACTGCAGGTCTTGAGTGAAGTAGAGGTTGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCAACTGGGCTTTTACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3867;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Lachnospiraceae(0.5273),g:Dorea(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAAGGATGAAGTATTTCGGTATGTAAACTTCTATCAGCAGGGACGAAACTGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTCTCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTTTGCAAGCCAGATGTGAAAGCCCGGGGCTTAACCGCGGGAAGGCAATTGGAACTGTAATGCTAGAGGGGCGGAGAGGCAAGTGGAATTCTTGGTGTAGCGGTGGAATGCGTAGAGATGAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3868;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9988),c:Gammaproteobacteria(0.9762),o:"Enterobacteriales"(0.8737),f:Enterobacteriaceae(0.7787),g:Escherichia/Shigella(0.3915);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTTTATGAAGAAGGCCTTCGGGTTGTAAAGTCCTTTCAGCGGGTAGGAAGGGAGTAAAGTTAATACCTTTGCTCATTGCCGTTACCCGGAGAAGAAGCACCGGCCAACTCCGTGCCAGCAGCCCCTGTAATACGGTGGGTGCACGCGTTAATCGGAATTACTGGGCGTAAAGCGCACGCAGGCGGTTTGTTAAGTCAGATGTGAAATCCCCGGGCTCAAGCTGGGAACTGCATCTGATACTGGCAAGCTTGAGTCTCGTAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCAGTGGCGAAGGCGGCCCACTGGACGAAGACTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3869;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.6881),f:Bacteroidaceae(0.2864),g:Bacteroides(0.0808);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGCGGCCCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATGAGGGCGTCGCGCACGTGCGATTAGGGTACGAGGGGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCGGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGGCTGGTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCTCAGAACTGCAGTTGAAACTGTCAGTCTTGAGTGCAGTAGAGGTTGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTAACAGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU3871;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9769),c:"Bacteroidia"(0.8472),o:"Bacteroidales"(0.6509),f:Bacteroidaceae(0.3544),g:Bacteroides(0.1299);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGCATACCCGTTTGCATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGCCGGGCAAGCGTGTTGTGAAATGCAGTCGCTCAACGTCTGCACTGCAGCGCGAACTGCCCAGCTTGAGTGCGCGCAACGTTGGCGGAATTCGCCGTGTAGCGGTGAAATGCTTAGATATGGCGAAGAACCCCGATCGCGAAGGCAGCCTGCCAGGCCGTGACTGACACTGATGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU3872;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Lachnospiraceae(0.6350),g:Blautia(0.3915);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTATCTCGGTATGTAAACTTCTATCAGCAGGGAAGATAGTGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGAGTGTAAAGGGAGCGTAGACGGACTGGCAAGTCTGATGTGAAAGGCGGGGGCACAACCCCTGGACTGAAGTGGAAACTGTTAGTCTTGAGTGCCGGAGAGGTAAGTGGAATCCCTAGTGTAGCGGTGAAATGCGTAGATAGTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATGAGATACCCTGGTA
>OTU3870;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Clostridiaceae_1(0.4563),g:Clostridium_sensu_stricto(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGGCCTTCGGGTTGCAAAGCTCTTTCTTCTGGGACGATAATGACGGTACCTGTGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGCAGGTGGCAAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGTGTAGGCGGTTTTTTAAGTGAGATGTGAAATCCCCGGGCTTAACCTGGGAGCTGCATTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAGGGGAATGCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCGGTGGCGAAGGCGCTTCTCTGGACGGTGACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3875;tax=d:Bacteria(0.0058),p:"Proteobacteria"(0.0000),c:Deltaproteobacteria(0.0000),o:Desulfovibrionales(0.0000),f:Desulfohalobiaceae(0.0000),g:Desulfonauticus(0.0000);
GTGAATCATCGAATCTTTGAACGCACCTTGCGCCCTTTGGTATTCCGAAGGGCATGCCTGTTTGAGTGTCATGAAACCTCACCCCACTTGGGTTTTTGCCTGAGCGGTGGTGTATTGGGTGTTGCCTTGCTAAAGGCTCGCCTTAAAGACATAAGCACCTTGGATGTAATACGTTTCATCCTTCTGGGTGGCTGATAACCCCACATACTCATGATCTGGCCTCAAATCAGGTAGGGCTACCCGCTGAACTTAAGCATATCAATAAGCGGAGGA
>OTU3873;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.7547),c:Gammaproteobacteria(0.4428),o:"Enterobacteriales"(0.2039),f:Enterobacteriaceae(0.0904),g:Escherichia/Shigella(0.0181);

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>OTU3874;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Clostri
diaceae_1(0.4914),g:Clostridium_sensu_stricto(0.2607);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACTCTGATGCAGCGACGCCGCGTGAATGATGAAGAT
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GCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAA
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>OTU3877;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Epsilonproteobacteria(0.9877),o:Campylob
acterales(0.9280),f:Campylobacteraceae(0.8505),g:Campylobacter(0.7643);

ACGGGAGGCAGCAGTAGGGAATATTGCTCAATGGGCGAAAGCCTGAAGCAGCAACGCCGCGTGGAGGATGACACT
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GTCTTTTGTGAAATCTAATGGCTGAAACATTAAAATGCTGGAGAAACTGATAATCTAGAGTGAGGGAGAGGCAGATG
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>OTU3878;tax=d:Bacteria(0.0041),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Clostridiales(0.0000),f:Clostri
diales_Incertae_Sedis_XI(0.0000),g:Anaerococcus(0.0000);

TTTTCGACTCATCAGAAATATCCGAAAGTGTTAACTTCTGCGTTATGGAAACGACACAACTCTGCAGGTTGGATACGT
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TAACTCGTCCCCGCCTCAATCTCATCTCTCTTTTTGCGTTCTGCTTCAATATCTGGTTGAACGGCGTCGCGTCGTAACCC
AGCTTGGTAAGTTGGAGTAAGGACTCCGTTGACAGATTTGTCATTGTGAGCATTTTCATCCCGAAGTTGCGGCTCATT
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>OTU3876;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Rumin
ococcaceae(0.0904),g:Intestinimonas(0.0134);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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teriaceae(0.1679),g:Eubacterium(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGCAAGACGGT
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>OTU3881;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Rumin
ococcaceae(0.2524),g:Intestinimonas(0.0712);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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diales_Incertae_Sedis_XIII(0.0904),g:Anaerovorax(0.0181);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGAAGGC
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>OTU3882;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Rumin
ococcaceae(0.2864),g:Intestinimonas(0.0808);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTTGCCCAGCAACGCCGCGTGAGGGAAGAAGGT
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>OTU3883;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9994),c:Betaproteobacteria(0.9866),o:Burkholderiales(0.9775),f:Burkholderiaceae(0.9852),g:Polynucleobacter(0.9762);
GTGTCAGCAGCCGCGGTAATACGTAGGGTGCGAGCGTTAATCGGAATTACTGGGCGTAAAGCGTGCGCAGGCGGTT
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GATAACACTGACGCTCATGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTAGTCCACGCCCTAAACGA
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>OTU3884;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Ruminococcaceae(0.3884),g:Clostridium_IV(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGGATAGC
AAGTCAGCTGTGAAAACTATGGGCTCAACCCATAAACTGCAGTTGAAACTGTTAGTCTTGAGTGGAGTAGAGGCAAG
CGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGAT
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>OTU3885;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Clostridiaceae_1(0.5991),g:Clostridium_sensu_stricto(0.4351);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
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GCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAA
GTTGGATGTGAAATACCCGGGCTTAACTTGGGGGGTGCATCCAATACTGTTGGACTTGAGTGCAGGAGAGGAAAGC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTA
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>OTU3886;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Ruminococcaceae(0.1872),g:Ruminococcus(0.0519);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
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>OTU3887;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Clostridiaceae_1(0.1679),g:Clostridium_sensu_stricto(0.0423);

ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGAACGAAGAAGGC
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ATAAGCAACGGCTAATTACGTGCCAGCAGCCGCGGTAACACGTAAGTTGCGAGCGTTGTTCGGATTTACTGGGCGTA
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ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGTATGAAGGCT
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GGAACTCCTTGTGTAGCGGTAGAATGCGTAGATATATGGAGGAACACCGGAGGCGAAGGCGGCTGACTGGTCTGCT
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cillaceae(0.3884),g:Lactobacillus(0.1299);
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diaceae_1(0.3544),g:Clostridium_sensu_stricto(0.0808);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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diaceae_1(0.1291),g:Clostridium_sensu_stricto(0.0181);

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streptococcaceae(0.1291),g:Clostridium_XI(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
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GAATGTGTGGTGTAGCGGTGAAATGCATAGATATCACTCAGAACACCGATTGCGAAGGCATCTCGCGAGGGGTCAA
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995),f:Bacteroidaceae(0.4914),g:Bacteroides(0.3043);
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CGTAGGTGGACTGGTAAGTCAGCTGTGAAAACTATGGGCTCAAACCATAAACTGCAGTTGAAACTGTTATTCTTGAGT
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cillaceae(0.2864),g:Lactobacillus(0.0808);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
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707),f:"Rikenellaceae"(0.9480),g:Alistipes(0.9686);

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cillaceae(0.4563),g:Lactobacillus(0.2607);
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acteriales"(0.9280),f:Enterobacteriaceae(0.9108),g:Escherichia/Shigella(0.5239);
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cillaceae(0.2524),g:Lactobacillus(0.0519);
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>OTU3902;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:"Bacteroidia"(0.7114),o:"Bacteroidales"(0.4
280),f:Bacteroidaceae(0.2184),g:Bacteroides(0.0615);

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ospiraceae(0.6350),g:Roseburia(0.3915);
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138),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0615);
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ococcaceae(0.1291),g:Saccharofermentans(0.0204);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
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389),f:"Rikenellaceae"(0.9201),g:Alistipes(0.8124);

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ionales(0.6138),f:Desulfovibrionaceae(0.3544),g:Desulfovibrio(0.0808);
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015),f:"Rikenellaceae"(0.0252),g:Alistipes(0.0076);
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359),f:"Porphyromonadaceae"(0.0904),g:Barnesiella(0.0110);
AAGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGT
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diaceae_1(0.2864),g:Anaerobacter(0.0519);

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ococcaceae(0.1291),g:Subdoligranulum(0.0110);
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959),f:"Prevotellaceae"(0.1485),g:Prevotella(0.0181);
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ospiraceae(0.2864),g:Blautia(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTA
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>OTU3915;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Rumin
ococcaceae(0.2524),g:Clostridium_IV(0.0204);

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CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGATTGC
AAGTCAGATGTGAAAGCCCACGGCTCAACCGTGGAACTGCATCGGAAACTGTCATTCTTGAGTGCAGAAGAGGAGA
GTGGAACTCCATGTGTAGCGGTGGAATGCATAGATATGACGCAGAACTCCGATTGCGAAGGCAGCTTTCCAGCGCGC
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>OTU3914;tax=d:Bacteria(1.0000),p:"Deferribacteres"(0.9993),c:Deferribacteres(0.9892),o:Deferribacteral
es(0.9938),f:Deferribacteraceae(0.9908),g:Mucispirillum(0.9932);

ACGGAAGGCAGCAGTGGGGAATTTTGCGCAATGCTCGTAAGAGTGACGCAGCGACGCCGCGTGAATGACGAAGGC
CTTCGGGTCGTAAAGTTCTTTCGACAGGGAAGAAAATGCCTATAAGTAACTGTGTATGTATTGACGGTACCTGTATAA
GCAGCCCCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGGGCGAGCGTTGTTCGGAGTGACTGGGCGTA
AAGAGCACGTAGGCGGTGTTGTAAGTCCTTAGTCAAAGACTAGAGCTCAACTTTAGTAAGGCTAGTGATACTATAAT
ACTAGAGTATCAGAGAGGATTGCAGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATCAGGAGGAATACCGTTAG
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>OTU3916;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Rumin
ococcaceae(0.0904),g:Clostridium_III(0.0181);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
TTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGAAAGTGACGGTACCTGGAGAAAAAGCCACGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGTGTAGGCGGGCTCG
CAAGTTGGATGTGTAATACCCAGAGCTTAACTCGGGCGCTACCACTAAGACTGTTTAGCTTGAGTGCAGGAGGGGTA
AGTGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTACTGGACT
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>OTU3917;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Lachn
ospiraceae(0.1679),g:Clostridium_XlVa(0.0326);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
TTTCGGTATGTAAAGCTCTATCAGCAGGGAAGATAATGACAGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGCGTGCGCAGGCGGTTGTGTAA
GACAGATGTGAAATCCCGGGGCTCAACCTCGGAATTGCATTTGAGACTGCATGGCTAGAGTTCTGGAGAGGGGAGT
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTTGGAAGAGCACCGATGGCGAAGGCGGCTCGCTGGGATGAG
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>OTU3918;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9638),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.5
766),f:Bacteroidaceae(0.1872),g:Bacteroides(0.0519);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
CCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACCAGGGGAATA
AGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAG
GGAGCGTAGATGGATGTTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGATATCTT
GAGTGCAGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCTATTGCGAG
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>OTU3919;tax=d:Bacteria(1.0000),p:"Tenericutes"(0.9572),c:Mollicutes(0.8755),o:Anaeroplasmatales(0.57
66),f:Anaeroplasmataceae(0.3884),g:Anaeroplasma(0.1735);
ACGGGAGGCAGCAGTAGGGAATTTTCGGCAATGGGGGGAACCCTGACCGAGCAACGCCGCGTGAACGAAGAAGTT
ATTCGTAATGTAAAGTTCTTTTATCAGGGAAGAAAGAGGAATTTGACGGTACCTGAGGAATAAGCTCCGGCTAACTA
CGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTATCCGGAATTATTGGGCGTAAAGGGTGCGTAGATGGC
ATAGTAAGTCTTTTGTAAAAATGCTGGGCTCAACCCAGTAGGGCAAAAGATACTGCAAAGCTAGAGTATGACAGAGG
CAAGTGGAACTACATGTGTAGCGGTAAAATGCGTAAATATATGTAAGAACACCAGTGGCGAAGGCGGCTTGCTGGG
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>OTU3921;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9913),o:Lactobacillales(0.9936),f:Lactoba
cillaceae(0.9387),g:Lactobacillus(0.6200);
ACGGAAGGCAGCAGTAGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTAAGTGAAGAAGGG
TTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCA
GCAAGTCACGGCTAACTACATGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTA
AAGCGAGCGCAGGCGGTTGCTTAGGTTAGATGTGAAAGCCTTCGGCTTAACCGAAGAAGTGCATCGGAAACCGGGC
GACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTG
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TA
>OTU3920;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Negativicutes(0.9747),o:Selenomonadales(0.928
0),f:Veillonellaceae(0.9108),g:Mitsuokella(0.4351);
ACGGGAGGCAGCAGTGGGGAATCTTCCGCAATGGGCGCAAGCCTGACGGAGCAACGCCGCGTGAGTGAAGAAGGG
TTTCGACTCGTAAAGCTCTGTTGTCGGGGACGAATGTGGAGATGGTGAATAACCATTTTCAATGACGGTACCTGACG
AGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGAATTATTGGGCG
TAAAGGGAGCGCAGGCGGGAAGGTAAGGTTATCTTAAAAGTGCGGGGCTTAACCCCGTGAGGGGACCGAAACTGC
GATGCTAGAGTATCGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAG
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GGTA

>OTU3922;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9671),c:Actinobacteria(0.9038),o:Coriobacteriales(0.7995),f:Coriobacteriaceae(0.5991),g:Collinsella(0.0808);
ACGGGAGGCAGCAGTAGGGAATCTTGCGCAATGGGGGCAACCCTGACGCAGCGACGCCGCGTGCGGGACGGAGGCTTTCGGGTCGTAAACCGCTTTCAGCAGGGAAGAGACGAGACTTTACCTGCAGAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGCAATACGTAGGGGGCGAGCGTTATCCGGATTCATTGGGTGTAAAGCGCGCGTAGGCGGCCCGGCAGGCCGGGGGTCGAAGCCGGGGGCTCAACCCCGGGAAGGCACCGGAAACTGCGTCGCTTGGGTCCGGTAGGGGAGGGTGGAATACCCGGTGTAGCGGTGGAATGCGTAGAGATCGGGAGGAACACCGGTGGCGAAGGCGGCCCGCTGGGCCGAGACCGACGCTGAGGCGCGAAAGCGGGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU3923;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.3448),c:"Bacteroidia"(0.1740),o:"Bacteroidales"(0.0781),f:"Porphyromonadaceae"(0.0252),g:Barnesiella(0.0076);
ACGGGAGGCAGCAGTGAGGAACATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGTCCTACGGATTGTAAACCTCTTTTGTCGGGGAGTAACGTGCGGTACGCGTCCCGTATTGAGAGTACCCGAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTGTAAAGGGTGCGTAGGTGGCAGGGCAAGTCCGATGTGAAAGGCCGGGGCTCAACCCCGGGGCTGCATTTGAAACTGTAGATCTTGAGTGTCGGAGGGGCAATCAGAGTTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAAAACCAGTGGCGAAGGCGGCTTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3925;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.6881),f:"Porphyromonadaceae"(0.4224),g:Barnesiella(0.0615);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGTAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGTCCTATGGATTGTAAACCTCTTTTGTCAGGGAGCAATTCCCGCCACGTGTGGCGGGAGGGAGAGTACCTGAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGAGTGCCAAGTCAGCGGTAAAAATTCGGGGCTCAACCCCGTCGTGCCGTTGGAACTGGCGCCCTTGAGTGGGCGAGAAGTATGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACCCCGATTGCGAAGGCAGCATACCGGCGCCCGACTGACGCTGAAGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU3924;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Lachnospiraceae(0.1872),g:Clostridium_XlVa(0.0230);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGAGGACGGTCCTACGGATTGTAAACCTCTTTTGTCGGGGAGTAACGTGCGGGACGCGTCCCGTATTGAGAGTACCCGAAGAAAAAGCATCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGATGCAAGCCAGATGTGAAAGCCCGCGGCTCAACTGCGGTAGTGCATTTGGAACTGTATGGCTGGAGTGCAGGAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGAGGCGAAGGCGGCCTGCTGGACTGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU3926;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Lachnospiraceae(0.0710),g:Clostridium_XlVa(0.0157);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGATGAATGGTCTATGGCCTGTAAACCTCTTTTGTCAAGGAAGAATAAATCGCATGGGTGCGATCTTGCCAGTACTTGACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGATTTATTGGGTGTAAAGGGAGCGTAGACGGTAAAGCAAGTCTGAAGTGAAAGCCCGCGGCTCAACTGCGGGACTGCTTTGGAAACTGTTGAACTGGAGTGTCGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3929;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Bacilli(0.6346),o:Lactobacillales(0.3639),f:Lactobacillaceae(0.1872),g:Lactobacillus(0.0423);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACACCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGCAGTAACTGGTCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGTTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCTGAATGTCAAGTCAGCGGTAAAATTGAGAGGCTTAACCTCTTCGAGCCGTTGAAACTGGTGTTCTAGAGTGGGCGAGAAGTATGCGGAATGCGTGGTGTAGCGGTGAAATGCTTAGATATGTCACAGAACCCCGATTGCGAAGGCGGCTTACCAGGATGCAACTGACGCTGAGGCACGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU3928;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Clostridiales_Incertae_Sedis_XIII(0.0355),g:Anaerovorax(0.0087);
ACGGGAGGCAGCAGTGGGGAATATTGGGCACTGGAGGCAACTCTGACCCAGCAACGCCGCGTGAATGATGAAGGTCTTCGGATTGTAAAGTTCTTTTCTAAGGGAAGAAGAAAGTGACGGTACCTTAGGAATAAGCCTCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGAGGCAAGCGTGATCCGGAATGACCGGGCGTAAAGGGGGCGTAGGTGGTTTGACAAGTTAGTAGCGCAACTCCGGGGCTCAACTTCGGAACTACTACTAAAACTGTTGGACTTGAGTGCAGGAGGGGCAATCGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTAGACTGCAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3930;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.9063),f:"Prevotellaceae"(0.7068),g:Prevotella(0.3043);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGAAGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCTACGTGTGGCCTATTGCAGGTACCCTATGAATAAGGACCGGCTAATTCCGTGCCGGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGGCTTATAAGCGAGTTGTGAAAGGTCGGGGCTCAACCGTGGCATTGCAGCGCGAACTGGGGGACTTGAGTGCGCAGGAGGGAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATCGCGAAGGCAGCCGGCTGTAGTGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU3927;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9638),c:"Bacteroidia"(0.8048),o:"Bacteroidales"(0.5395),f:"Porphyromonadaceae"(0.2864),g:Barnesiella(0.0326);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCAGAAGCCTGAACCAGCCAAGTCGCGTGAGGGAATAAGGCCCTACGGGTCGTAAACCTCTTTTGCCGGGGAGCAAGGGCCGGGACGAGTCCCGGCCCGGAGAGTACCCGGAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATGTATTGGGTTTAAAGGGTGCGTAGGCGGGCTTTTAAGTCAGCGGTAAAAATTCGGGGCTCAACCCCGTCCGGCCGTTGAAACTGGGGGCCTTGAGTGGGCGAGAAGAAGGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACCCCGATTGCGAAGGCAGCCTTCCGGCGCCCTACTGACGCTGAGGCACGAAAGTGCGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU3933;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.7995),f:"Prevotellaceae"(0.4914),g:Prevotella(0.0712);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCGTTTATGCGGGGATAAAGTGGGCCACGCGTGGCGTTTTGCAGGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGCAGCTCAAGCGTGTCGTGAAATGCCGGCGCCCAACGTCTGGACTGCAGCGCGAACTGCCCAGCTTGAGTGCGGGCAATGTGGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGGCGAAGAACTCCGATTGCGAAGGCAGCTGACGGGTGCGTAACTGACGCTCATGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU3931;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Ruminococcaceae(0.0113),g:Clostridium_III(0.0056);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGACGGTTTTCGGATTGTAAACTTCTGTTCTTTGTGAAGAAACAAATGACGGTAGCAAAGGAATAAGCATCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGATGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGTGCAGGCGGGACTTCAAGTTGGATGTGAAAGGTCAAGGCTTAACCTTGGCACTGCATCCAAAACTGTAGTTCTTGAGTGGAGTAGAGGTAAACGGAATTCCTAGTGTAGTAGTGAAATGCGTAGATTTTATGATGATCATCCGTGGCGCACCCGGATTTCTACACCTCAACTGACGCTCGGTCTCGAAAGCTTCGGGAGGAAGCAGGATTAGATACCCTGGTA

>OTU3932;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9755),o:Clostridiales(0.9389),f:Ruminococcaceae(0.8864),g:Gemmiger(0.1735);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGAGGAAGACGGTCTTCGGATTGTAAACTCCTGTCGTTAGGGACGATAATGACGGTACCTAACAAGAAAGCTACGGCTAACTACGTGCCAGCAGCCGCGGTAACACGTAGGGTGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGATCGGCAAGTTTGCAGTGAAATGTATGGGCTCAACACATGAATTGCTTTTAAAACTGCTTGCCTTGAGTAGTGCAGATGTAGGTGGAATTCCCGGTGTAGCGGTGGAATGCGTAGATATCAGGAGGAACACCAGTGGCGAAGGCGACCTACTGGGCACCAACTGACGCTGAGGCTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU3934;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Bacilli(0.6730),o:Lactobacillales(0.2679),f:Lactobacillaceae(0.1291),g:Lactobacillus(0.0230);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGCAGTAACTGGTATTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGAGTTGTCCGGAATTATTGGGCGTAAAGAGTGCGTAGGTGGTTACCTAAGCAGGGGGTGAAAGGCAATGGCTCAACCATTGTTAGCCCCCTGAACTGGGCTACTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGGCGAAGGCAGCCCCCTGGACGAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3937;tax=d:Bacteria(0.0024),p:"Spirochaetes"(0.0000),c:Spirochaetia(0.0000),o:Spirochaetales(0.0000),f:Spirochaetaceae(0.0000),g:Borrelia(0.0000);
TCAAAGCACCTTTAGCGTTAAGGTACTGAATCTCTTTAGTCTCAGTAGGCGTAAAACGACCAAGCGCAAGAGTAAACCTAGTGCCATGCTCAGGAACAAAGAAACGCGGCCCAGAATGTTTATAGGTCTGTTGAACACGACCAGAAAACTGGCCTAACGACGTTTGGTCAGTTCCATCAACATCATAGCCAGATGCCCAGAGATTAGAGCGCATGACAAGTAAAGGACGGTTGTCAGCGTCATAAGAGGTTTTACATCCAAATGAAGAAATAACATCATGGTAACGATGCAGGAAGTAATCACGTGCGTGGGCAGTATGCAAATTAGCATAAGAAGCTTGCAGACGAATAAGGTCAATAGATGTGGTAGAAGTCGTCATTTGG
>OTU3935;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.9389),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);
CGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGATCCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTGTTATATGGGAATAAAGTTCAGTATGTATACTGTTTTGTATGTACCATATGAATAAGGATCGTCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGACGCTTAAGTCAGTTGTGAAAGTTTGCGGCTAAACCCTAAAATTGCAGTTGATACTGGGTGTCTTGAGTGCAGCAGAGGTAGGCGGAATACGTGGTGTAGCGGTGAAATGCTTAGGTATCACGAAGAACTCCGATTGCGAAGGCAGCTTACTGGACTGTAACTGACGCTGATGCTCGAAAGTGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU3936;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8520),f:"Prevotellaceae"(0.4563),g:Prevotella(0.0712);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATACGGGGATAAAGTGAGGGACGTGTGCCTTTTTGCAGGTACCGTATGCATAAGGAACGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGGCTGTTAAGCGTGATGTGAAATGCAGGTGCTCAACCTCTGTACTGCAGCGCGAACTGGTAGTCTTGAGTGCGCAGGATGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTACTGTAGCGTAACTGACGCTGAAGCTCGAAGGTGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU3938;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.7995),f:"Prevotellaceae"(0.4224),g:Prevotella(0.1299);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGGCTGAACCAGCCAAGTAGCGTGAAGGAGGACGGCCCTATGGGTTGTAAACTGATTTTATAGGGGGATAAAGTGTGGCACGTGTAGCAGATTGCAGGTACCATATGAATAAGGACCGGCTAAGTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGACTTTTAAGCGTGTTGTGAAATTTCGGTGCTCAACCTGAGCATTGCAGCTCGAACTGGCAGTCTTGAGTGCGCAGGAAGTAAGCGTAATTCGTCGTGTAGCGGTGAAATGCTTAGATATCACAAAGAACTCCGATTTCGAAGGCAGCTTGCTGTAGCGCATCTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU3940;tax=d:Archaea(0.0041),p:"Euryarchaeota"(0.0000),c:Halobacteria(0.0000),o:Haloferacales(0.0000),f:Haloferacaceae(0.0000),g:Halorubrum(0.0000);

TGGATACCCGCCTCAAGCTCTTGGAAGAGATTCTGTCTTTTCGTATGCCGGGCGTTGAGTTCGATCATGGTGATATGTATGTTGACGGCCATCCGGCTGCTTCTGACGTTCGTGATGAGTTTGTATCTGTTACTGAGAAGTTAATGGATGAATTGGCACAATGCTACAATGTGCTCCCCCAACTTGATATTAATAACACTATAGACCACCGCCCCGAAGGGGACGAAAAATGGTTTTTAGAGAACGAGAAGACGGTTACGCAGTTTTGCCGAAAGCTGGCTGCGGAACGCCCTCGTAAGGATATTCGCGAGGAGTATAATTACCCCAAAAAGAAAGGTAGTAAGGAGGAGTGTTCAAG

>OTU3941;tax=d:Bacteria(0.0024),p:"Actinobacteria"(0.0000),c:Actinobacteria(0.0000),o:Bifidobacteriales(0.0000),f:Bifidobacteriaceae(0.0000),g:Aeriscardovia(0.0000);

CCCGCACCGCCTTGGGATTATCATAACACGCCTCTAATCGGTCGTCAGCCAACGTGAGAGTGTCAAAAACGATAAACCAACCATCCGCATGAGCCTGTCGCATTGCATTCATCAAACGCTGAATAGCAAAGCCTCTACGCGATTTCATAGTGGAGGCCTCCAGCAATCTTGAACACTCATCCTTAATACCTTTCTTTTTGGGGTAATTATACTCATCGCGAATATCCTTAAGAGGGCGTTCAGCAGCCAGCGTGCGGCAAAACTGCGGAACCGTCTTCTCGTTCGCTAAAAACCATTGTGCGTCCCCTTCGGGGCGGTGGTCTATAGTGTGATTAATAGCAAGTGGGGGGAGCACATTGTAGCATTGTGCCAAT

>OTU3939;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Lachnospiraceae(0.1872),g:Blautia(0.0519);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGACGGTCTTCGGATTGTAAACCTCTTTCAGCAGGGAAGAAGCAAGTGACGGTACCTGCAGAAGAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGACTGGCAAGTCTGATGTGAAAGGCGGGGGCTCAACCCCTGGACTGCATTGGAAACTGTAGATCTTGAGTGTCGGAGGGGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGACATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACAGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU3944;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9776),o:"Bacteroidales"(0.9685),f:"Prevotellaceae"(0.8864),g:Prevotella(0.5239);

ACGGGAGGCAGCAGTGAGGAATCTTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCGGGACGACGGC
CCTCTGGGTTGTAAACTGCATTTATAGGGGGATAAAGTGTGCCCCGTGTGGCATATTGCAGGTACCCTATGAATAAG
GACCGGCTAATTCCGTGCCAGCATCCGCGGTACTACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCCGTATTATAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGAATTGCAGCGCGAACTGTGGGACTTG
AGTGCGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAG
GCAGCTTGCTGGAGCGCAACTGACGCTGAAGCTCGAAAGCATGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU3943;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Eubac
teriaceae(0.3544),g:Eubacterium(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTA
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GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGTGTAGGCGGGAAGCCAA
GTCAGATGTGAAAATCATGGGCTCAACTCATGACTTGCATTTGAAACTGGTTTTCTTGAGTATGGGAGAGGTAAATG
GAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATGA
CTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3942;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Clostri
diales_Incertae_Sedis_XII(0.0457),g:Acidaminobacter(0.0110);
ACGGAAGGCAGCAGTAGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
TTTCGGATTGTAAACCTCTGTCCTATGTTACGCAGGAATTGACGGTAGCATAGGAGGAAGCCCCGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGTTTGGT
AAGTTGGGTGTGAAATACCCGGGATTAAATTGGGGGCTGCATCTAATACTGTAGGAAATGAGTACAGGAGAGGAAA
GCGGAAGGCGTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGAGAAGGCGGCTTTCTGGACT
GTAAATGACGCTGAGGCAAGAAAGCGTGGGGAGAAAACAGGATTAGATACCCTGGTA
>OTU3946;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9762),o:"Bacteroidales"(0.9
497),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);
ACGGGAGGCAGCAGTGAGGAAGAGGGGGAAAGGGGGGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTG
CCCTATGGGTTGTAAACTTCTTTTATCAAGGAATAAAGTCGGGTATGGATACCCGTTTGCATGTACTTTATGAATAAG
GATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGATGGATGTTTAAGTCAGTTGTGAAAGTTTTCGGCCCAACCTTACAATTGCAGTTGTTACTGGATATCTTGA
GTGCAGTTGATGCAGGCGGAATTCGTGTTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGC
AGCCTGCTAAGCTGCAACTTACATTGAGGCTCGACAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU3945;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Clostridia(0.9776),o:Clostridiales(0.9685),f:Lachn
ospiraceae(0.8864),g:Roseburia(0.5720);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGATGCCGCGTGAGCGATGAAGTA
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CAGCAGCCGCGGTAATACGTATGGTGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGTACGGC
AAGTCTGATGTGAAAGCCCGGGGCTCAACTCCGGTACTGCATTGGGAACTGTCGGACTAGAGTGTCGGAGGGGTAA
GTGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGA
TTACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAGCAGGATTAGATACCCTGGGA
>OTU3947;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9638),c:Spirochaetia(0.9038),o:Spirochaetales(0.799
5),f:Spirochaetaceae(0.5991),g:Treponema(0.2607);
ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGAACGAAGAAGGC
CGGAAGGTCGTAAAGTTCTTTTGAAACTGAAGAATAAGTATTGCAGTGACTGGCGATATGGTGACGGTAGGTTTTGA
ATAAGCCACGGCTAATTACGTGCCAGCAGCCGCGGTAACACGTAAGTTGCGAGCGTTGTTCGGAATTATTGGGCGTA
AAGGGCATGTAGGCGGTTTTGCAAGGTTGGTGTGAAAGGCATAGGCTTAACCTATGAAGTGCATTGAGAACTAGAA
GACTTGAGTGAAGGAGGGGGAACTGGAATTCCAGGTGTAGGGGTGAAATCTGCAGATATATGGAAGAACACCAATG
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GTA
>OTU3948;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9755),o:Clostridiales(0.9389),f:Lachn
ospiraceae(0.8146),g:Coprococcus(0.6200);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
TTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTATCTGACTAATAAGCACCGGCTAAATACGTGCCA
GCAGCCGCGGTAATACGTATGGTGCAAGCGTTATCCGGATTTACTGGGCGTAAAGCGAGCGTAGGCGGCTGTGTAA
GTCTGAAGTGAAAGCCCGGGGCTCAACCCCGGAACTGCTTTGGAAACTAGGTAGCTAGAATGCTGGAGAGGTAAGT
GGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTGGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATG
ACTGACGTTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3950;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Lachn
ospiraceae(0.4563),g:Roseburia(0.0904);
CCGGAAGGCAGCAGCGATTCCTATTGGTCAATGGACGGAAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCC
CTATGGATTGTAAACTGCTTTTATAGGGGGATAAATTGTGCCACGGGTGGCATATTGCATTTACCCTATGAATAAGGA
CCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGTATGGTGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAG
CGCAGGCGGAAGGCTAAGTCCGATGTGAAAGCCCGGGGCGCAACCCCGGTACTGCATTGGAAACTGGTCATCTAGA
GTGTCGGAGGGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAG
GCGGCTTACTGGACGATAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3949;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4
652),f:Bacteroidaceae(0.2864),g:Bacteroides(0.0808);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
CCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGCATACCCGTTTGCATGTACTTTATGAATAAGG
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTAATCGGAATTACTGGGCGTAAGGCG
CACGCAGGCGGTTTGTTAAGTCAGATGGGAAATCCCCGGGCTCAACCTGGGAACTGCAGCTGATACTGGCAAGCTTG
AGTCTCGTAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGAAATGCTCAGATATCATGAAGAACTCCGATCGCGAAG
GCAGATGCCCGGAGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU3951;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Clostridia(0.9840),o:Clostridiales(0.9889),f:Lachn
ospiraceae(0.9294),g:Blautia(0.8124);
CCTTTCTTCCTCCTTTTGGAATATTGCACACTGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTATCT
CGGTATGTAAACTTCTATCAGCAGGGAAGATAGTGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCA
GCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGACTGGCAAGTC
TGATGTGAAAGGCGGGGGCTCAACCCCTGGACTGCATTGGAAACTGTTAGTCTTGAGTGCCGGAGAGGTAAGCGGA
ATTCCTAGTGTCGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACT
GACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3952;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9441),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3
319),f:"Porphyromonadaceae"(0.1291),g:Barnesiella(0.0157);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGAGGACGGT
CCTACGGATTGTAAACCTCTTTTGTCGGGGAGTAACGTGCGGGACGTGTCCCGTATTGAGAGTACACGAAGAAAAAG
CATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGG
TGCGCAGGCGGCGCTCCAAGTCAGCGTGCAATGTTCCGGGCTCAACTCGGTGTCGCCGTGGGAACTGGCGTGCTCGA
GTGCGTGCGAGGTAGGCGGAATGCGTTGTGTAGCGGTGAAATGCATAGATATGACGCAGAACTCCGATTGCGAAGG
CAGCTTTCCAGCGCGCTACTGACGCTGAGGCACGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU3954;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9762),o:"Bacteroidales"(0.9
497),f:"Prevotellaceae"(0.8146),g:Prevotella(0.4351);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGCAGGCCGTATGGTAAGCGTGTTGTGAAATGCCGTGGCTCAACCCTGGCACTGCAGCGCGAACTGCCGTACTTG
AGTACGCTGGAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAG
GCAGCTTGCAGTAGCGTAACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU3953;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.5174),c:Sphingobacteriia(0.0626),o:"Sphingobacteri
ales"(0.0413),f:Sphingobacteriaceae(0.0099),g:Solitalea(0.0046);

AAGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
CCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCCCGTCCGATGAGGGTACCAGGGGAATA
AGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGGGGTTTATCCGTATTATTTGGGTTTAAAG
GGTGCTTAGGCTGTGCGTCGAGTCCGGGGTGAAATTCCGGGGCTTAACTCCAGGGCTGCCCTTGATACTGTCGCGCT
GGAGTGCGGATGCCGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACTCAGAACACCGATTGCGA
AGGCATCTGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU3955;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Lachn
ospiraceae(0.1291),g:Clostridium_XlVa(0.0230);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAGGGG
TTTCGGCTCGTAAAGCTCTGTTGTTCGAGAAGAACGTGCGTGAGAGCAGCTGTTCACGCAGTGACGGTATCTCACCA
GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGCGT
AAAGGGAGCGTAGACGGCGGTGCAAGTCTGAAGTGAAATACCCGGGCTCAACCTGGGAACTGCTTTGGAAACTGTA
CGGCTAGAGTGCTGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGT
GGCGAAGGCGGCTTACTGGACTGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTG
GTA
>OTU3956;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8755),o:"Bacteroidales"(0.7
252),f:"Prevotellaceae"(0.3544),g:Prevotella(0.0712);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
CCTATGGGTTGTAAACTGCTTTTATGTGGGGATAAAGTGGGCCACGCGTGGCCTTTTGCAGGTACCGCATGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCGGGTTTTTAAGTCAGTTGTGAAAGTCTGCGGCTCAACCGTAGAATTGCAGTTGAAACTGGAAGCCTTG
AGTGCACGCAGGGGTGCCGGAATTCATGGTGTAGCGGTGAAATGCTTAGATATCATGAAGAACTCCGATTGCGAAG
GCAGCCTGCTGTAGCGTAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU3957;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Bacilli(0.8755),o:Lactobacillales(0.6509),f:Lactoba
cillaceae(0.3544),g:Lactobacillus(0.0808);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGACGAAGGG
TTTCGGCTCGTAAAGCTCTGTTGGTAGTGAAGAAAGATAGGGGTAGTAACTGCCCTTTCTTGGACGGTAATTACTTAG
AAAGTCAAGGCTAACTACGTGCCCGCCGCCGCTGTTATACGTCGGGGTGTAGCGTTGTCCGGATTTATTGGGCGTAA
AGCGAGTGCAGGCGGTTCAACAAGTCTGATGTGAAAGCCGTCGGCTCAACCGGGGAATTGCATCGGAAACTGTGGG
ACTTGAGTGCAGAAGAGGGGAGTGGAATTCCAGGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCGGTG
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TA

>OTU3958;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.9063),f:Bacteroidaceae(0.6350),g:Bacteroides(0.4787);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTCTATGGGTCGTAAACTTCTTTTGTATAAGAATAAAGTGTAGTATGTATACTGTTTTGCATGTACTATGTGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGGCTAGTAAGCGGGTTGTGAAAGGTAGAGGCTCAACCGTAAAACTGCAGTTCGAACTGGTGTCCTTGAGTACGGAGGAAGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGACTGCTACTGACACTGATACTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU3959;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4652),f:Bacteroidaceae(0.1872),g:Bacteroides(0.0519);

ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGCGCAAGCCTGATCCAGCCAAGCCGCGTGAAGGATGAAGGCCTTATGGGTGGTAAACTCCTTTTATATAAGAAAAAAGTGCAGTATGTATACTGTTTTGTATGTATCGTATGAATAAGGATCGGGCAACTCCGTGCCAGCAGCTGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTGTAAAGGGAGCGTAGGTGGACTGGTAAGTCAGTAGTGAAAGTTCACGGCTCAACCGTGGAATTGCAGTTGATACTGGATATCTTGAGTGCGGTAGAGGCAAGCGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATCAGGAAGAACTCCAATTGCGAAGGCAGCCTGCTGGGCTGCAACTGACGTTGAGGCGCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU3962;tax=d:Archaea(0.0041),p:"Euryarchaeota"(0.0000),c:Thermoplasmata(0.0000),o:Methanomassiliicoccales(0.0000),f:Methanomassiliicoccaceae(0.0000),g:Methanomassiliicoccus(0.0000);

GGCTTAATTTGACTCAACACGGGAAAACTTATCAGGTCCAGACATAGTGAGGATTGACAGATTGAGAGCTCTTTCTTGATTCTATGGGTGGTGGTGCATGGCCGTTCTTAGTTGGTGGAGTGATTTGTCTGGTTAATTCCGTTAACGAACGAGACCTCAGCCTGCTAAATAATGATGTTAATGAATCTTCATTGGCAATCATTTCTTAGAGGGACATGTAGTTTTAAACTACAGGAAGATTGAGGCAATAACAGGTCTGTGATGCCC

>OTU3960;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9805),o:Lactobacillales(0.9707),f:Lactobacillaceae(0.9201),g:Lactobacillus(0.7162);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGGGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTAGAGAAGAACGTGCGTGAGAGCAACTGTTCACGCAGTGACGGTATCTAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTGATAAGTTGGAGGTGAAAGCCTTTGGCTAAACCAAAGAAGTGCGTCGAAAACTGTCAGACTTGAGTGCAGAAGAGGAAGGTGGAACTCCAGGTGTAGCGGTGGAATGCGTAGTTATAGGGAGGAACACCAGGGGCGAAGGCGGCTGTCTGGTCTCCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCAAAAAGGATTAGATACCCTGGTA

>OTU3961;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9812),o:"Bacteroidales"(0.9798),f:Bacteroidaceae(0.9294),g:Bacteroides(0.9686);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGC
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CGGCTAACTCCGTGCCAGCAGCCGCGCTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGC
GTAGGTGGACTGGTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAGATTGCAGTTGATACTGTCAGTCTTGAGT
ACAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCGTAGAGATCAGGAAGAACTCCGATGGCGAAGGC
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>OTU3965;tax=d:Bacteria(0.0024),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Clostridiales(0.0000),f:Clostridiales_Incertae_Sedis_XVII(0.0000),g:Sulfobacillus(0.0000);
CGCATGGACATGAAGACGGCCATTAGCTGTACCATACTCAGGCCCACCAAACTACTGATCGCCGTCGGCGTGTGACT
CATTAGCCTTGCGACCCTCGGCAGCAAGAACCATACGACCAATATCACGAAAATAGTCACGCAAAGCATTGGGATTAT
CATAAAACGCCTCTAATCGGTCGTCAGCCAACGTGAGAGTGTCAAAAACGATAAACCAACCATCAGCATGAGCCTGT
CGCATTGCATTCATCAAAAGATGAATAGCAAAGCCTCTACGCGATTTCATAGTGGAGGCCTCCAGAAATATGGAACAC
TCAGCCGTAATACCTTTCTTTTTGGGGTAATTAGACTCATC
>OTU3963;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9820),o:Lactobacillales(0.9753),f:Lactobacillaceae(0.9387),g:Lactobacillus(0.7643);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
TTTCGGCTCGTAAAGCTCTGTTGTTAGAGAAGAACGTGCGTGAGAGCAACTGTTCACGCAGTGACGGTATCTAACCA
GAAAGTCACGGCTAACTACGTGCCAGCAGCCGAGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTA
AAGCGAGCGCAGGCGGTTTGATAAGTGTGTTGTGAAATGCAGTCGCTCAACCAAAGAACTGCAGCGGAAACTGGCA
GACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATCGAAGAACACCAGTG
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TA
>OTU3964;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9988),c:Actinobacteria(0.9769),o:Actinomycetales(0.9497),f:Actinomycetaceae(0.8146),g:Actinomyces(0.7162);
ACGGGAGGCAGCAGTGGGGAATTTTGCACAATGGACGCAAGTCTGATGCAGCGACGCCGCGTGAGGGATGTAGGC
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>OTU3966;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Ruminococcaceae(0.2864),g:Acetanaerobacterium(0.0423);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACAATGATGCAGCGACGCCGCGTGAGGGAAGACGG
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CAAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGATGTAAAGGGAGCGTAGGCGGGCAG
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GCGGAATTCCTAGTAAAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGACGAAGGCGGACCACTGAGCTT
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>OTU3967;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Epsilonproteobacteria(0.9887),o:Campylob
acterales(0.9938),f:Campylobacteraceae(0.9904),g:Campylobacter(0.9932);
ACGGGAGGCAGCAGTAGGGAATATTGCGCAATGGGGAAACCCTGACGCAGCAACGCCGCGTGGAGGATGACACTT
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diaceae_1(0.0904),g:Clostridium_sensu_stricto(0.0157);
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>OTU3969;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Bacilli(0.8472),o:Lactobacillales(0.5395),f:Lactoba
cillaceae(0.2864),g:Lactobacillus(0.0423);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGCAGCAACACCGCGTGAGTGATGACTGCT
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AAGTCACGGCTCACTCCGTGCCAGCAGCCGAGGTGAAACGTAGGTGGCTAACGCGATCCGGATTTATTGGGCGTAAA
GGGAGCGCAGGCGGGTGCTTAGGTCAGATGTGAAAGTCTTCGGCTTAACCGAAGAAGTGCATTGGAAACCGGGAG
ACTTGAGTGCAGAAGAGGAAAGCGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAGTGG
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>OTU3971;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9755),o:Lactobacillales(0.9172),f:Lactoba
cillaceae(0.7787),g:Lactobacillus(0.4787);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGA
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GACTTGAGTGCAGAAGAGGACAGTGGAATTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTG
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>OTU3970;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9762),o:Clostridiales(0.9497),f:Clostri
diaceae_1(0.6709),g:Clostridium_sensu_stricto(0.5239);

ACGGGAGGCAGCAGTAGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
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GCACCCGCGGTAATACGCAGGCGGCGACCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGTTGATTAA
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GGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTAGACTGTA
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>OTU3972;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9769),o:Clostridiales(0.9606),f:Lachn
ospiraceae(0.7428),g:Clostridium_XlVa(0.5239);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGAAACA
AGTCTGAAGTGAAAACCCAGGGCTCAACCCTGGGACTGCTTTGGAAACTGGTTTTCTAGAGGGTCGGAGAGGTAAGT
TGAAATCCTTGTGTAGCGGTGAAATGCGTAAATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTA
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>OTU3973;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8267),c:"Bacteroidia"(0.2902),o:"Bacteroidales"(0.1
249),f:"Prevotellaceae"(0.0457),g:Prevotella(0.0110);

ACGGAAGGCAGCAGTGAGGAATATTGGACAATGGCCGAGAGCCTGAACCAGCCATGCCGCGTGCAGGACGACGGC
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>OTU3975;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Clostri
diaceae_1(0.5273),g:Clostridium_sensu_stricto(0.3043);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAAAGTCGCGTGCGGGATGAAGGT
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CAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAAG
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GAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGGCTTACAGGACAGTAA
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>OTU3974;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Lachn
ospiraceae(0.1872),g:Clostridium_XlVa(0.0519);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
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GCCAGATGTGAAAGACCGGGGCTCAACCCCGGGACTGCATTTGGAACTGCGTGGCTGGAGTGTCGGAGAGGCAGG
CGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACATCAGTGGCGAAGGCGACTTACTGGACGAT
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terales(0.0000),f:Desulfobacteraceae(0.0000),g:Desulfofaba(0.0000);
ATGAAACATATCAACCACACCAGCAGCAGCATCAGTGACTCCCTTAGCCATATCCTTTGCAGTAGCGCCAATATGCGA
AGAGCCATACCGCTGATTCTGCGTTTGCTGATGAACTAAGTCAACCTCAGCACTAACCTTGCGAGTCATTTCTTTGATT
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TTGGAAAGATTGGTGTTTTCCATAATAGACGCAACGCGAGCAGTAGACTCCTTCTGTTGATAAGCAAGCATCTCATTT
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cillaceae(0.7068),g:Lactobacillus(0.3915);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCCACACCGCGTGAGTGAAGAAGGC
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>OTU3978;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Pepto
streptococcaceae(0.2864),g:Peptostreptococcus(0.0712);

ACGGAAGGCAGCAGTGGGGAATATGGCACAATGGGCGAAAGCCGGATGCAGCAACGCCGGGTGAACGATGAAGGT
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GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGACGACCACCAGTTTCGAAGGCCGCTCCCTGGACTGTAAC
AGACCCTGATGCACGAAAGCGTGGGGCGCAAACAGGATTAGATACCCTGGTA
>OTU3979;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Bacilli(0.9755),o:Lactobacillales(0.9063),f:Lactoba
cillaceae(0.8146),g:Lactobacillus(0.5720);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGG
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>OTU3980;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:"Bacteroidia"(0.4428),o:"Bacteroidales"(0.2
039),f:"Prevotellaceae"(0.0904),g:Prevotella(0.0110);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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>OTU3983;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Bacilli(0.9812),o:Bacillales(0.9753),f:Bacillaceae_
1(0.8864),g:Bacillus(0.8124);
GTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTATTGGGCGTAAAGCGCGCGCAGGTGGTT
CCTTAAGTCTGATGTGAAAGCCCACGGCTCAACCGTGGAGGGTCATTGGAAACTGGGGAACTTGAGTGCAGAAGAG
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>OTU3981;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9861),o:Bacillales(0.9889),f:Staphylococc
aceae(0.9868),g:Staphylococcus(0.9799);
ACGGAAGGCAGCAGTAGGGAATCTTCCGCAATGGGCGAAAGCCTGACGGAGCAACGCCGCGTGAGTGATGAAGGT
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>OTU3982;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.9
606),f:"Prevotellaceae"(0.9015),g:Prevotella(0.5720);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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>OTU3984;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Rumin
ococcaceae(0.1291),g:Clostridium_III(0.0181);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGTCGAAAGCCTGACCCTGCAACGCCGCGTGAAGGTAGGAGGC
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252),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0519);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGCGTGAGGGAAGACTGC
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520),f:"Prevotellaceae"(0.5273),g:Prevotella(0.2171);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGAAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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ospiraceae(0.3204),g:Roseburia(0.0904);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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0.9843),f:Actinomycetaceae(0.9573),g:Actinomyces(0.9743);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCGACGCCGCGTGAGGGATGGAGGC
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>OTU3988;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:"Bacteroidia"(0.4045),o:"Bacteroidales"(0.1
719),f:"Prevotellaceae"(0.0710),g:Prevotella(0.0157);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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>OTU3990;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8472),o:Clostridiales(0.6138),f:Eubac
teriaceae(0.1872),g:Eubacterium(0.0519);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
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>OTU3991;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.9
280),f:"Prevotellaceae"(0.8146),g:Prevotella(0.3915);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGGGGGAAAGAGCAAAGTAGAGGGCAGGATGACGG
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GATTGCGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAA
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00);
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CTCAAGCTTTGCTTGGTGTTGGGCGTCTTTGTCTCCAGCTTGCTGGAGACTCGCCTTAAAGTCATTGGCAGCCGGCCT
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>OTU3993;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9180),o:"Bacteroidales"(0.8
303),f:"Prevotellaceae"(0.3884),g:Prevotella(0.1299);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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955),f:"Prevotellaceae"(0.5991),g:Prevotella(0.2607);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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AGTCAAGTGGAAGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAG
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>OTU3992;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Lachnospiraceae(0.1291),g:Oribacterium(0.0204);
ACGGGAGGCAGCAGTGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGGGGAGGAAAAAGGGTTTCGGATTGTAAACTCCTGACGTTAGGGACGATAATGACGGTACCTAACAAGAAAGCACCGGCCAAATACGTGCCAGCCGCCGCGGTAATAAGGATGGGGCAAGGGGTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAACGGCAAGTTTGAAGTGAAATACCCGGGCTTAACCCGGGAACTGCTTTGAAAACTGTCGATCTAGAGTGTCGGAGAGGTAAGTGGAATTCCTGGTGTAGTAGTGAAATGCGTAGATATCAGGAAGAACACCGGAGGCGAAGGCGGCTTACTGGACGATAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU3996;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Ruminococcaceae(0.4914),g:Clostridium_IV(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGACGGCTTTCGGGTTTTAAACTTCTTTTCTTAGGGACGAAACAAGTGACGGTACCTAAGGAATAAACCACGGCTAACTACGTGCCAGCAGCCGCGCTGATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGATTGCAAGTCAGATGTGAAAACCACGGGCTCAACCGGTGGACTGCATTTGAAACTGTAGGTCTTGAGTAATGGAGAGGTAGACGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGTCTGCAGGACAGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGACTAGATACCCTGGTA
>OTU3997;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9798),o:"Bacteroidales"(0.9753),f:"Prevotellaceae"(0.9201),g:Prevotella(0.5720);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAAGGGGATAAAGTGAGGCTCGTGTGGGTTTTTGCAGGTACCTTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGGAGATTAAGCGTGTTGTGAAATGTAGACGCTCAACAGCTGAACTGCAGCGCGAACTGGTTTCCTTGAGTGCGCACAAAGTGAGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACCCCGATTGCGAAGGCAGCTGACTGGACCGCAACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU3998;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:Sphingobacteriia(0.9776),o:"Sphingobacteriales"(0.9685),f:"Cyclobacteriaceae"(0.9480),g:Algoriphagus(0.9705);
GTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTGTCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGCTGAATAAGTCAGCGGTGAAAGACTTCGGCTTAACCGGAGCAGTGCCGTTGATACAGTTTAGCTTGAGTGTTGGAGGGGTACATGGAATTGATGGTGTAGCGGTGAAATGCATAGATACCATCAGGAACACCGATAGCGAAGGCATTGTACTGGCCAACAACTGACGCTGAGGCACGAAAGTGTGGGGATCGAACAGGATTAGATACCCTGGTAGTCCACACTGTAAACGATGATTACTCGCTGTTATGCTGTATAGTGTAGCGGCCAAGCGAAAGCGTTAAGTAATCCACCTGGGGAGTACGCCGGCAACGGTGAAACTCAAATGAATTGACGGGG

>OTU3999;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9736),c:"Bacteroidia"(0.5195),o:"Bacteroidales"(0.2679),f:"Porphyromonadaceae"(0.0355),g:Butyricimonas(0.0087);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGATGAATGGTCTATGGCCTGTAAACCTCGTTTGTCAAGGAAGAATAAATCGCACGGGTGCGATCTTGCCAGTACTTGACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCGGCCGAGTAAGTCAGCGGTGAAAGACCGGGGCTCAACCCTGGAAGTGCCGTTGATACTGTTTGGCTGGAATGATCCCGCCGCGGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTAAGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU4001;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9180),o:"Bacteroidales"(0.8303),f:"Prevotellaceae"(0.5273),g:Prevotella(0.0904);

ACTTTATTCATCATTTATTAATATTTTTCAATTTTCTTAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTGGGCCACGCGTGGCCTTTTGCAGGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCACAGGCCGTGGGTTAAGCGTGTCGTGAAATTCCGTCGCTCAACGGCGGACGTGCGGCGCGAACTGGTCCACTTGAGTACGCGGGACGTTGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAGGAACTCCGATTGCGAAGGCAGCTGACGGTAGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU4002;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Lachnospiraceae(0.0560),g:Clostridium_XlVa(0.0110);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAGAAGACGGTACCTGACTAAGAAGCCCTGGCTAACTACGTGCCAGCAGCCGCGGTAAAACGTAGGGTGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGACTTCAAGTTGGATGTGAAAGGTCAAGGCTTAACCTTGGCACTGCATCCAAAACTGTAGTTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTGGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU4000;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Lachnospiraceae(0.2184),g:Roseburia(0.0519);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAGGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGCCCTACGGGTCGTAAACTTCTTTAGACGCAGAGCAATAAGGTCCACGTGTGGACCGATGAGAGTATGCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGACGGAAGGCTAAGTCTGATGTGAAAGCCCGGGGCTCAACCCCGGTACTGCATTGGAAACTGGTCATCTAGAGTGTCGGAGGGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU4003;tax=d:Bacteria(0.0024),p:"Proteobacteria"(0.0000),c:Betaproteobacteria(0.0000),o:Burkholderiales(0.0000),f:Burkholderiaceae(0.0000),g:Polynucleobacter(0.0000);

ATCGAACTCATCTTCGGTTAACTCCCAAACGGCAGCCGCCTGACTGAGCTTAATCGAGGCCAAAGCGGTCTGGAACCGTCCGGATTGTTCCGTAACTTGACTCATGATTTCTTACCTATTAGTGGTTGAACAGCATCGGACTCAGATAGTAATCCACGCTCTTTTAAAATGTCAACAAGAGACTCTCTACCATGAACAAAATGTGACTCATATCTAAACCAGTCCTGGACGAACGTGCCAAGCATATTAAGCCACTTCTCCTCATCAAAAGAGTCAGTTTGTGACAGAATCGTTAGTTGATGGCGAAAGGTCGCAAAGTAAGAGATTCTCGAGCTGCGCAAGGATAGGTCGAATTGTCTCATTTTACGCCAGAAGTCAACTTCGATTTAATTCGTAAACAAGCAGTAGTAATTCCGGCGGTATCAAG

>OTU4005;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9572),c:Spirochaetia(0.8755),o:Spirochaetales(0.7252),f:Spirochaetaceae(0.5273),g:Treponema(0.1735);

ACGGAAGGCAGCAGCTAAGAATATTCAGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGAACGAAGAAGGCCGGAAGGTTGTAAAGTTTTTTTGAAACTGAAGAATAAGTATTGCAGGGAATGGCGATATGGTGACGGTAGGTTTTGAATAAGCAACGGCTAATTACGTGCCAGCAGCCGCGGTAACACGTAAGTTGCGAGCGGTGTTCGGAATTATTGGGCGTAAAGGGCCTGTAGGCGGTTTTGCAAGCTTGGTGTGAAATTCATAGGCTCAACCTATGAACTGCATTGAGCACTACCAGACTTGAGTTACTGAGATGCAACTGGAATTCCAGGTGTAGGGGTGAAATCTTCAGATATCTCGAAGAACACCAATTGCGAAGGCAAGTTTCAAGCAGCTAACTGACGCTGAGGTGCGAATGTGCGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU4004;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Ruminococcaceae(0.2524),g:Oscillibacter(0.0181);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCTGGTTGGAAACTTTTTTTTTCAGGGACGTATAGAAGACGGTACCTGACGAATAAGCCACAGCTAACTACATGCCAGCAGCCACGGTAATACGTACGTGCCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGTTAGGGCAAGTCAGATGTGAAATCCACGGGCTTAACTCGTGAACTGCAGTTGAAACTGTTCTGCTTGAGTATCGGAGAGGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGCGGAACCCCAGTGGCGAAGGCGGATTGCTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU4007;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Bacilli(0.9827),o:Lactobacillales(0.8520),f:Lactobacillaceae(0.5632),g:Lactobacillus(0.2171);

ACGGGAGGCAGCAGTAGGGAATATTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTTGTAAAGCTCTTTTGTTGGAGAAGAAGGAGGGGGAGATTAACGGTTCACGAAGTGAAGGTAACCAACCAGAAAGTGCCGGCTAAATACGTGCCAGGCGAGGGGTGAATACATATATGGCAAGTGATATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTGCTTAGGTCTGATGTGAAAGCCTTGGGCTTAACCGAGGAACTGCATCGGAAACCGGGCGACTTGAGTACAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTTTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU4006;tax=d:Bacteria(1.0000),p:Firmicutes(0.1707),c:Clostridia(0.0626),o:Clostridiales(0.0413),f:Clostridiales_Incertae_Sedis_XIII(0.0099),g:Anaerovorax(0.0046);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAAAGCCGCGTGAGTGAAGAAGGTCTTCGGATTGTAAAGCTCTTTGATTAGGGACGAAAAAATGACTGTACATAAAGAACAAGCCCCGGCTAACTACTTGCCAGCAGCCGCGGTAATACGTACGGCGCAAGCGTTGTCCGGAATTATTGGGCGTAAAGGGTGCGTAGGTGGTTTAGCAAGTCGGAAGTGAAATACCCAGGGCTTAACTCGGGTGCTGCGTTCAAAACTACTAGACTGGGGTGTGGGAGAGAAGAGTGGAATTCCTGGTGTAGCGGTGGAATGGTTAGATATTAGGAGAAACACCAGTGGCGAAGGCGACTATTTGGCCGATAACTGACACTGAGGCACGAAAGCGGGGGGAGCAAACAGGATTAGAGACCCTGGG

>OTU4008;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9798),o:Lactobacillales(0.9707),f:Streptococcaceae(0.9108),g:Streptococcus(0.6200);

ACTTCCTTCCTCCTTCTTTCCTCTTCTTCCCTGGGGGGAACCCTGACCGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTAAGAGAAGAACGTTAGTAAGAGTGGAAAGTTTACTAAGTGACGGTATCTTACCAGAAAGGGACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTCCCGAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGTGGTTGTATAAGTCTGAAGTAAAAGGCAGTGGCTCAACCATTGTGTGCTTTGGAAACTGTACAACTTGAGTGCAGAAGGGGAGAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAGGAACACCGGTGGCGAAAGCGGCTCTCTGGTCTGTAACTGACACTGAGGCTCGAAAGCGTGAGGAGCGAACAGGATTAGATACCCTGGTA

>OTU4009;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Lachnospiraceae(0.5632),g:Eisenbergiella(0.3043);

ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGGGAAACCCTGATGCAGCGAAGCCGCGTGGGTGAAGAAGGATTTCGGGATGTAAAGCTCTATTAGCAGGGAAGAAAATGACGGTACCCGAATAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCATGACAAGACAGATGTGAAAATCCAGGGCCCAACCTTGGAATTGCATTTGGAACTGCCAGGCTGGAGTGCAGTAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU4011;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Ruminococcaceae(0.2864),g:Clostridium_IV(0.0181);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTGCTTTTAAGAGGGAAGAGCAGAGGACGGTACCTCTAGAATAAGCCACGGCTAACTACGGGCCAGCAGCCGCGGTAATAAGTAGGTGGCAAGGGGTGTCCGGATTTACTGGGTGTAAAGGGCGTGCAGCCGGGTCTGCAAGTCAGATGTGAAATCCATGGGCACAACTCATAAACTGCATTTGAAACTGTAGATCTTGAGTGCCGGAGGGGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGTCTGCTGGACGATAACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU4010;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Ruminococcaceae(0.1872),g:Clostridium_IV(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTAAGAGGGAAGAGCAGTAGACGGTACCTCTAGATTAACCCACGCCTAATTACTTGCCAGCAGCCGCGGTAATACGTAGGTGGCAGGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGTCTGCAAGTCAGTTGTGAAATCCATGGGCTCAACCCATGAACTGCAGTTGAAACTGTATATCTTGAGTGTCGGAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGGTAACTGACGTTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4012;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.8755),o:"Bacteroidales"(0.7252),f:"Prevotellaceae"(0.3204),g:Prevotella(0.0904);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGTCGCGTGAAGGATGACTGCCCTATGGGTTGTAAACCTCTTTTACAAGGGAATAATTGCGGGCACGCGTACCTGTTTGCATGTACCTTACGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGCGCTTAAGCGGGATGTGAAAGTTTGGGGCTCAACCTTAGAATTGCAGTTGGTACTGGGTGCCTTGAATGCAGTATAGGCAGGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATCACAAAGAACACCGATTGCGAAGGCAGCTTACTAAGGTGTGACTGACGCTGATGCACGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU4013;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9572),c:Deltaproteobacteria(0.8614),o:Desulfovibrionales(0.6881),f:Desulfovibrionaceae(0.2864),g:Desulfovibrio(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGAAGAAGGTCTTCGGATCGTAAACCTCTGTCAGGAGGGAAGAAGTTTTGTGGTTCTAATCAGCCGTGTATTGACGGTACCTCCAGAGTAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGCACGTAGGCTGTTGTGTGAGACAGAGGTGAAATCCCAAGGCTCAACCGTGGAACTGCGATTGATACTGCAAGACTCGAGTCCGGGAGAGGGTGGCGGAATTCCAGGTGTAGGAGTGAAAGCCGTAGAGATCTGGAGGAACAACAGTGGCGAAGGCGGAAATCTGGAACGGTACTGACGCTGAGGAGCGAAAGCGGAGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4015;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9711),o:"Bacteroidales"(0.8737),f:"Prevotellaceae"(0.6350),g:Prevotella(0.2607);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATACGGGGATAAAGTGGGCCACGTGTGGATTATTGCAGGTATCGTTTGAATAAGGACCGGCTGATTATGTGCCAGCAGCCGCGGTAATACGGAATGTCCGGGCGTTATCCAGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTGTTAAGCTAGTTGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGTGCGAACTGGCAGACTTGAGTGCGCAAGAGGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGTAACTGACGCTGAAGCTCGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU4016;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachnospiraceae(0.4914),g:Clostridium_XlVa(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCAGCGTGAGTGAAGACGTATTTCTGTATTTAAAGCTCTATCAGCAGGGAAAAAAATGACGGTACCTGACTAAGTATCCCCGTATAACTACGTTCCAGCCGCCGCGGTAATACGCACGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTATACGGCGAAGTAAGTCTGAAGTGAAAACCCAGGGCTCAACCGTGGGACTGCGTCGCAAACTGTTTTGCTAGAGTGTCGAAGAGGTAAGCGGAATTCGTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4017;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9762),o:Clostridiales(0.9497),f:Lachnospiraceae(0.7428),g:Clostridium_XlVa(0.6200);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGCGTGAAGAAGTATTTCTGTATGTAAAGCTCTATCAGCCGGGCAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATCCGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGAAGCAAGTCTGAAGTGAAAACCCAGGGCTCAACGCTGGGACTGCGTTGGAAACTGTTTTGCTAGAGTGTCGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCTTAGATATGAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATAACTGACGTTGATGCTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU4014;tax=d:Bacteria(1.0000),p:Firmicutes(0.3448),c:Clostridia(0.0726),o:Clostridiales(0.0473),f:Peptococcaceae_2(0.0113),g:Desulfotomaculum(0.0056);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGTCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGGTTTCGGCTAGTAAACCTCTGTCCTATGGGACGAAAGAGATGACGGTACCATAGGAGGAAGCGCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCCGTTAAGTCTGGAGTGAAAGTCCTGTTTTCAAGGTGGGAATTTCTTTGGATCCTGTTGGGCTGGAGTTCATGATAGGTTGGCGGAATTACCGTTGTAGCGGTGTAATGCGTAGAGATCTGTAGGAACACCAGTGGCGAAGGCTGCTTTCTGGACTGAAACTGACGCTGATGCGCGAAAGCGTGGTGAGCAAACAGGATTAGATACCCTGGTA
>OTU4018;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9913),o:Lactobacillales(0.9730),f:Lactobacillaceae(0.9201),g:Lactobacillus(0.6681);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTAGAGAAGAAAGGGTGGGAGAGCAACTGTTCACGCAGTGACGGTATCTAACCAGAAAGTAACGGCTAACTACGTGCCAGCAGCCGCGGTAATAAGTAGGTGGCAAGCGTTATCCGGATTTATTGGGAGTAAAGCGAGCGCAGGCGGTTTGTTAAGTCTGATGTGAAAGCCTTTTGCTTAACCAAAGCAGTGCATCGCAAACTGTCAGCCTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGATGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU4021;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Lachnospiraceae(0.1872),g:Clostridium_XlVa(0.0423);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAAGGAAGACGTGCTTCGGCATGTAAACTTCTATCAGCAGGGAAGAAGATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTGATGCAAGTCTGATGTGAAACCCCGGGGCTTAACTCCGGGCTTGCAGTGGAAACTGTACCACTTGAGTACTGGAGGGGCAGGCGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATCAGGAAGAGCACCGGTGGCGAAGGCGGCCTGCTGGACAGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4022;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9769),o:Clostridiales(0.9606),f:Clostridiaceae_1(0.6350),g:Clostridium_sensu_stricto(0.4787);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGTTTTCGGATCGTAAAGCTCTGTCTTTGGGGAAGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTTCGTGCAAGAAGCCGCGGTCATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGGGCGTAGGCGGATTATTAAGTGGGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCATTCCAAACTGGTTAGCTAGAGTCCAGGAAATGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCTTAGATATTAGGAAGAACACCAGTTGCGAAGGCGACTCCCTAGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU4020;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.5174),c:Sphingobacteriia(0.0626),o:"Sphingobacteriales"(0.0413),f:Sphingobacteriaceae(0.0099),g:Solitalea(0.0046);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGCGCGTCGCGCACGTCCGATGATGTTCCCAGGGGACTAAGCATCCGCTATCCCCTTGCCAGCAGCCGCGGTAATACGGGGGATGCGACCTTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCTGTGCGTCAAGTCAGGGGTGAAATGCCGGGGCTCAACTCCGGAGCTGCCCTGGATACTGTCGCGCTGGAGTGCGGATGACGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACGCAGAACACCGATTGCGAAGGCAGCTGGCGAGTCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA
>OTU4019;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9736),c:Gammaproteobacteria(0.9038),o:"Enterobacteriales"(0.5395),f:Enterobacteriaceae(0.3544),g:Escherichia/Shigella(0.0615);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGATGAAGGCCTTCGGGTTGTAAACCACTTTCAACAGGGAGGAAACTAGTAAAGTTTATACCTCTTCCCACTGACGGTACCTGCAGAGGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGCACGCAGGCGGTTAGTTAAGTCAGAGGTGAAATCCCCGGGCTCAACCTGGGAACTGCCGCTGATACTGGAAAGCTTGAGTCCGGGAGAGGGTGGTGGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGGCGAAGGCGGCCCCCTGGACGGGGATTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU4024;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Bacilli(0.8755),o:Lactobacillales(0.6509),f:Lactobacillaceae(0.3544),g:Lactobacillus(0.0423);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCCGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTAGAGAAGAACGTGCGGGAGAGCACCTGTTCACGCCGTGCCGGTATCTAACCAGAAAGCCACGGCTAACTACGTGGCAGCAGCCGCGTTAATACGTAGGGGGCAAGAGGTATCCGGATTTATTGGGCGTAAAGAGAGCGCAGGCGGATTGATAAGTTAGAAGTGAAAGCCCTTGGCTCAACCAAAGAATTGCATCTAAAACTGTTAGTCTTGAGATCAGAAGAGGATAGTGGAACTCCATGTGTAGCGGTGGAATTCGTAAATATATGGAAGAACACCAGTGGCGAAGGCGGCTATCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU4026;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9321),o:"Bacteroidales"(0.8412),f:"Prevotellaceae"(0.4563),g:Prevotella(0.0712);
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ospiraceae(0.1291),g:Blautia(0.0181);
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303),f:Bacteroidaceae(0.4224),g:Bacteroides(0.2171);
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606),f:"Prevotellaceae"(0.5991),g:Prevotella(0.4351);
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ococcaceae(0.2184),g:Intestinimonas(0.0615);
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XIII(0.0000),g:GpXIII(0.0000);
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>OTU4035;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:"Bacteroidia"(0.5579),o:"Bacteroidales"(0.2999),f:"Porphyromonadaceae"(0.1485),g:Parabacteroides(0.0326);
ACGGGAGGCAGCAGTGAGGAATATTGGTTAATGGGCGTAAGCCTGAACCAGCCACGTCGCGTGAGGGATGAAGGTTCTATGGATCGTAAACCTCTTTTATAAGGGAATAAAGTGCGGGACGTGTCCCGTTTTGTATGTACCTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTCAAAGGGAGCGTAGGTGGACTGGTAAGTCAGTTGTGAAAGCTTGCGGCTCAACGCCTGGACTGCATTGGAAACTGTTAGTCTTGAGTGCCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCGTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
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TATCGGTAGCACGCCCATCACCTTGCCTGCCACCGGAGGCGGCTTTTTGACCGCCTCCACACAATTTAGACATGGCGCCGCCAGCTAGAGCAGAAGCAATACCGCCAGCAATAGCACCAAACATAAATCACCCCACTTAAGTGTCTGGAGACAAATAATCTCTTTAATAACCTGATTCAGCGAAACCAATCCGCGGCATTTAGTAGCGGTAAAGTTAGACCAAACCATGAAACCAACATAAACATTATTGCCCGGCGTACGGGGAAGGACGTCAATAGTCACACAGTCCTTGACGGTAGAATAACCACCATCATGGCGAGCAGCCAAAGGATAAACATCATAGGCAGGCGGGAGGGTAGTCGGAACCGAAGAAGACTCAGAGCGAACCAAACAGGAAAAAAATGTAGGGTC
>OTU4038;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9918),o:Lactobacillales(0.9753),f:Lactobacillaceae(0.9294),g:Lactobacillus(0.7162);

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ospiraceae(0.6709),g:Clostridium_XlVa(0.5239);
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497),f:"Prevotellaceae"(0.5991),g:Prevotella(0.4351);
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ospiraceae(0.5632),g:Dorea(0.3043);
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cillaceae(0.9108),g:Lactobacillus(0.6200);
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cillaceae(0.9108),g:Lactobacillus(0.5239);
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015),f:"Prevotellaceae"(0.0252),g:Paraprevotella(0.0076);

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ales"(0.0413),f:Sphingobacteriaceae(0.0099),g:Parapedobacter(0.0046);
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ACTTGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTG
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>OTU4106;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9605),c:Deltaproteobacteria(0.8048),o:Myxococcal
es(0.5395),f:"Haliangiaceae"(0.1679),g:Haliangium(0.0423);

TACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGCGCAAGCCTGATCCAGCCATGCCGCGTGAGTGATGAAGG
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GCAAGCACCGGCTAACTTCGTGCCAGCAGCCGCGGTAATACGAAGGGTGCAAACGTTGCTCGGAATTATTGGGCGTA
AAGCGCACGTAGGCGGCTTAGCAAGTCCCATGTGAAAGCCCACGGCTTAACCGTGGAAGTGCATGGGAAACTGCTG
AGCTTGAGTACTTAAGAGGATCGCGGAATTCCCGGTGTAGAGGTGAAATTCGTAGATATCGGGAGGAACACCAGTG
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>OTU4107;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Peptococcaceae_2(0.0560),g:Desulfotomaculum(0.0134);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGC
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>OTU4108;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9991),c:Betaproteobacteria(0.9812),o:Burkholderiales(0.9685),f:Oxalobacteraceae(0.9480),g:Naxibacter(0.5720);

ACGGAAGGCAGCAGTGGGGAATTTTGGACAATGGGCGCAAGCCTGATCCAGCAATGCCGCGTGAGTGAAGAAGGC
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ATAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCAAGCGTTAATCGGAATTACAGGGCGT
AAAGCGTGCGCAGGCGGTTTTGTAAGTCTGTCGTGAAATCCCCGGGCTCAACCTGGGAATTGCGATGGAGACTGCAA
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GTA

>OTU4109;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Clostridiaceae_1(0.2524),g:Clostridium_sensu_stricto(0.0615);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
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>OTU4111;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Peptostreptococcaceae(0.0560),g:Clostridium_XI(0.0134);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGGCTTCGGATCGTAAAGCTCTTTTGGTAGGGAAGAAAGATAGAGGTAGTAACTGGTCTCTATTTGACGGTAATTACTTAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGCGCGTAGGCGGTTTGGTAGGTCGGAGGTGAAAGGCTACGGCTCAACCGTAGTAAGCCTTTGAAACTGGGGAGCTTGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTTGCGAAGGCGGCTCTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU4110;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Peptostreptococcaceae(0.1872),g:Tepidibacter(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTATGAGGGACGAAGGACGTGACGGTACCTCATGAACAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGAGGTGAAAGGCTACGGCTCAACCGTAGTAAGCCTTTGAAACTGGGAAACTTGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGACGGCGGCTCTCTGGACTGTGACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU4112;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6036),c:Sphingobacteriia(0.0726),o:"Sphingobacteriales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Solitalea(0.0046);
ACGGAAGGCAGCAGTGAGGAATATTGCTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACCAGGGGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAACACGGGGGATGCGAGGGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCTGTGCGTCAAGTCGGAGGTGAAATTCCGGGGCTCAACGCGGGGGCTGCACTTGATACTGGCGCGCTGGAGTGCGGATGACGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACTCAGAACACCGATTGCGAAGGCATCTGGCGAAACCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU4113;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Bacilli(0.9038),o:Lactobacillales(0.7995),f:Lactobacillaceae(0.5273),g:Lactobacillus(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGGTCTTCGGATTGTAAAGCTCTTTGATCAGGGACGAACACAATGACGGTACCTGAAGAACAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTGATAAGTCTGATGTGAAAGCCTTCGGCTTAACCGAAGAAGTGCATCGGAAACCGGGCAACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU4115;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9903),o:Lactobacillales(0.9937),f:Lactobacillaceae(0.9201),g:Lactobacillus(0.6200);

ACGGGAGGGAGAAGGAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACTGCGCGAGTGAAGAAGGGTTTCGGCTCGTAAAACTCTGTTGTTGAAGAAGAACGTGCGTGAGCGTAACTGTTCACGCAGTGACGGTATCCAACCATAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTCGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTGCTTAGGTCTGATGTGAAAGACTTCGGCTGAACCGAAGAAGTGCATCGGAAACCGGGCAACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCATGGTA

>OTU4114;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9908),o:Lactobacillales(0.9936),f:Lactobacillaceae(0.9387),g:Lactobacillus(0.6200);

ACTTAATTCATCATTATTTAATCTTCCACAATTTTCTCAATCCTTATTTATCAACACCGCGTTAGTGAAGAATTGTTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGATTAACTGTTCACGCAGTGACGGTATCCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTGCTTAGGTCGGATGTGAAAGCCTTCGGCTTAACCGAAGAAGTGCATCGGAAACCGGGCGACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU4116;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Clostridiaceae_1(0.1485),g:Clostridium_sensu_stricto(0.0326);

ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGTTTTCGGATCGTAAACCTCTGTCAGGGGGGAAGAAACCCCCTCGCGTGAATAATGCGAGGGCTTGACGGTACCCCCAAAGGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCGAGCGTTAATCGGAATAACTGGGCGTAAAGGGCACGCAGGCGGTGATTTAAGTGGGATGTGAAATACCCGGGCTGAACTTGGGTGCTGCATCCCAAACTGGTTATCTAGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATACGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTAGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU4117;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Clostridiaceae_1(0.3204),g:Clostridium_sensu_stricto(0.0904);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAGGGTTTTCGGATCGCAAAGCTCTGTCTTTGGGGAAGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAAGTGGGATGTGTAATACCCAGAGCTTAACTCGGGTGCTGCATCTGAAACTACGAGTCTTGAGTGTCGGAGAGGTAAGT

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>OTU4119;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9995),c:Alphaproteobacteria(0.9993),o:Caulobacte
rales(0.9889),f:Caulobacteraceae(0.9879),g:Brevundimonas(0.9686);
ACGGGAGGCAGCAGTGGGGAATCTTGCGCAATGGGCGAAAGCCTGACGCAGCCATGCCGCGTGAATGATGAAGGT
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ococcaceae(0.2864),g:Clostridium_IV(0.0423);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGGAACCCTGATGCAGCAACGCCGCGTGAGGGAAGAAGG
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389),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTAGTGTGAAGGATGACTGC
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>OTU4123;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8614),o:Clostridiales(0.6138),f:Rumin
ococcaceae(0.3544),g:Clostridium_IV(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACGCAGCAACGCCGCGTGAAGGAAGAAGG
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CGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATAAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACAGT
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>OTU4121;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9755),o:Clostridiales(0.9389),f:Lachn
ospiraceae(0.6350),g:Clostridium_XlVb(0.3915);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGAAGGT
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lales(0.9866),f:Rhodospirillaceae(0.9876),g:Thalassospira(0.9875);
GTGTCAGCCGCCGCGGTAATACGAAAGGGGCTAGCGTTGTTCGGATTTACTGGGCGTAAAGGGCACGCAGGCGGTC
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diaceae_1(0.1098),g:Clostridium_sensu_stricto(0.0204);
AAGGAAGGAAGAAGGGGGTAGTATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
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cillaceae(0.6709),g:Lactobacillus(0.4351);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
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cillaceae(0.9108),g:Lactobacillus(0.6200);
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ococcaceae(0.0457),g:Anaerotruncus(0.0087);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGT
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>OTU4130;tax=d:Bacteria(0.0041),p:"Aquificae"(0.0000),c:Aquificae(0.0000),o:Aquificales(0.0000),f:Aquific
aceae(0.0000),g:Hydrogenobaculum(0.0000);
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>OTU4128;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6036),c:"Bacteroidia"(0.2321),o:"Bacteroidales"(0.1
015),f:Bacteroidaceae(0.0252),g:Bacteroides(0.0076);
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>OTU4129;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:"Bacteroidia"(0.5579),o:"Bacteroidales"(0.2999),f:Bacteroidaceae(0.1485),g:Bacteroides(0.0326);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGATGTTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGATATCTTGAGTGCAGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCCAAGCCATGACTGACGCTGATGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU4131;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9740),o:Lactobacillales(0.9063),f:Lactobacillaceae(0.7428),g:Lactobacillus(0.3915);

ACGGGAGGCAGCAGTAAGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCTGCTCTTAAAGCTCTGTTGTTGTAGAAGAACGTGCGGGAGAGTAACTGTTCACGCAGAGACGGTATCCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCTCTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTGCTCAGGTCTGATGTGAAAGCCTTGGGCTTAACCGAGGAGGTGCATCGGAAACCGGGGAACTTGAGTGCAGAAGAGGACAGAGGAACTACATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCGGTGGCGAAGGCGGCTGGCGGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU4132;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Bacilli(0.9462),o:Lactobacillales(0.8412),f:Lactobacillaceae(0.5632),g:Lactobacillus(0.2607);

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6),f:Spirochaetaceae(0.9387),g:Treponema(0.2607);
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ales(0.8303),f:Comamonadaceae(0.5991),g:Albidiferax(0.3479);
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ales(0.8629),f:Oxalobacteraceae(0.7068),g:Oxalobacter(0.4351);
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319),f:Bacteroidaceae(0.1485),g:Bacteroides(0.0326);
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ospiraceae(0.3204),g:Clostridium_XlVa(0.0808);
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319),f:Bacteroidaceae(0.1679),g:Bacteroides(0.0423);
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ococcaceae(0.1098),g:Saccharofermentans(0.0134);
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497),f:Bacteroidaceae(0.8505),g:Bacteroides(0.7643);
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0.9941),f:Micrococcaceae(0.9480),g:Kocuria(0.9085);
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teriaceae(0.2184),g:Eubacterium(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTA
TTTCGGTATGTAAACTTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGTAA
GTCTGATGTGAAATCCCCGGGCTCAACCTGGGAACTGCATCTGATACTGGCAAGCTTGAGTCTCGTAGAGGGGGGTA
GAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGGCGAAGGCGACCTACTGGGCACCAA
CTGACGCTGAGGCTCGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU4157;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8331),o:Clostridiales(0.5766),f:Eubac
teriaceae(0.1679),g:Eubacterium(0.0423);
ACGGGAGGCAGCAGTGGGGAAAATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
CTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGCAGGCA
AGTCAGGCGTGAAATATATCGGCTCAACCGGTATCTGCGCTTGAAACGGCAGGTCTTGAGTGAAGTAGAGGTTGGC
GGAATTCCCTGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTA
ACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU4162;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Lachn
ospiraceae(0.4563),g:Dorea(0.1735);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTA
TTTCGGTATGTAAAGTTCTGTCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTAGGTGTAAAGGGAGCGTAGACGGCTGTGCAA
GTCTGAAGTGAAAGGCATGGGCTCAAACTGTAGACAGCGTGTGAAACTGTGCAGCTTGAGTGTCGGAGAGGCAAGT

GGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTACTGGACGATA
ACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4163;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9755),o:Clostridiales(0.9389),f:Rumin
ococcaceae(0.8864),g:Oscillibacter(0.5239);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGACTCAAGTCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
TTTCGGGTTGTAAACTTCTTTTAAGGGGGAAGAGAAGAAGACGGTACCCCTTGAATAAGCCACGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGTGGCAAGTGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGCCTTTA
AGTCAGATGTGAAATCCGCGGGCTTAACCCGCGAACTGCATTTGAAACTGGGGGTCTTGAGTAACAGAGAGGTAATC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAAAACCAGTGGCGAAGGCGGATTACTGGACGACA
ACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4161;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Rumin
ococcaceae(0.1098),g:Oscillibacter(0.0181);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGT
CCTACGGATTGTAAACCTCTTTTGTCGGGGAGTAACGTGCGGGACGCGTCCCGTATTGAGAGTACCCGAAGAAAAAG
CATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGTTGCAAGCGTTGTCCGGATTTACTGGGTGTAAGGGC
GTGTAGGCGGAGATGCAAGTTGGTAGTGAAATCCATGGGCTCAACCCATGAACTGCTCTCAAAACTGTATCCCTTGA
GTATCGGAGAGGTCATCGGAATTCCTTGTGTAGCGGTGAAATGCGTAGATATAAGGAAGAACACCAGTGGCGAAGG
CGGATGACTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU4164;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Bacilli(0.7114),o:Lactobacillales(0.4280),f:Lactoba
cillaceae(0.2184),g:Lactobacillus(0.0615);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
TTTCGGCTCGTAAAGCTCTATTGTTAGAGAAGAACGTGCGTGAGAGCAACTGTTCACGCAGTGACGGTATCTAACCA
GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGT
AAAGGGTGCGTAGGTGGTTACCCAAGCACGAGGTATAAGGCAATGGCTTAACCATTGTTCGCCTTGTGAACTGGGCT
ACTTGAGGGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGTTTGGGAGGAACACCAGTG
GCGAAGGCGACTTACTGGGCCGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGG
TA
>OTU4167;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9638),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4
652),f:Bacteroidaceae(0.1872),g:Bacteroides(0.0519);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGC
TCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTATGTATACTGTTTTGTATGTATTATATGAATAAGGA
TCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTG
CGTAGGCGGCCTTTTAAGTAGTGTGTGACAGTTCCGGGCTCCACTCGGTGTCGCCGTTGAAACTGGCGTGCTCGAGT

GCGTGCGAGGAAGGCGGACTGCGTTGTGTAGCGGTGAAATGCATAGATATGACGCAGAACTCCGATTGCGAAGGCA
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>OTU4166;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:Sphingobacteriia(0.0726),o:"Sphingobacteri
ales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Parapedobacter(0.0056);
ACGGGAGGCAGCAGTGAGGAATATCGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGACGGAAGACGGC
CCTATGGGTCTTAAACTGCTTTGGTACCGGGGCAATAAGAGCCACGCGTTGCTCGATGGGAGGACGGGAAGAACAA
GCATCGGCTAACTCCGTGCCCACAGCCCCGGTTATAAGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGG
GTGCGTAGGCGGGGTGTTAAGTCAGACGTGAAATGTCCACGCTCAACGTGGAACGTGCGTTGGATACTGCTGTCCTT
GAATGCGTATGCTGTGGGAGGAATGTGTGGTGTAGCGGTGAAATGCATAGATATCACACAGAACACCGATTGCGAA
GGCATCTCACGAATCCGCAATTGACGCTGAGGCACGAAAGCGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU4165;tax=d:Bacteria(1.0000),p:Firmicutes(0.1707),c:Clostridia(0.0626),o:Clostridiales(0.0413),f:Eubac
teriaceae(0.0099),g:Eubacterium(0.0046);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGC
CCTACGGGTCGTAAACTTCATTAGACGCAGAGCAATAAGGTCCACGCGTGGACCGATGAGAGTATGCGTAGAATAAG
CATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGG
TGCGTAGGCTGTGCGTCAAGTCAGGGGTGAAATTCCGGGGCTCAACTCCGGGGCTGCCCTTGATACTGTCGCGCTGG
AGTGCGGATGCTGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAA
GGCGGCTTACTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4168;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9866),o:"Vibrion
ales"(0.9866),f:Vibrionaceae(0.9876),g:Vibrio(0.7162);
GTGCCAGCCGCCGCGGTAATACGGAGGGTGCGAGCGTTAATCGGAATTACTGGGCGTAAAGCGCATGCAGGTGGTT
CATTAAGTCAGATGTGAAAGCCCGGGGCTCAACCTCGGAACTGCATTTGAAACTGGTGAACTAGAGTACTGTAGAGG
GGGGTAGAATTTCAGGTGTAGCGGTGAAATGCGTAGAGATCTGAAGGAATACCAGTGGCGAAGGCGGCCCCCTGG
ACAGATACTGACACTCAGATGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTAGTCCACGCCGTAAACG
ATGTCTACTTGGAGGTTGTGGCCTTGAGCCGTGGCTTTCGGAGCTAACGCGTTAAGTAGACCGCCTGGGGAGTACGG
TCGCAAGATTAAAACTTAAATGAATTGACGGGG
>OTU4169;tax=d:Bacteria(0.0024),p:"Bacteroidetes"(0.0000),c:Cytophagia(0.0000),o:Cytophagales(0.0000)
,f:Cytophagaceae(0.0000),g:Runella(0.0000);
ACTTCTTGAAGGTACGTTGCAGGCTGGCACTTCTGCCGTTTCTGATAAGTTGCTTGATTTGGTTGGACTTGGTGGCAA
GTCTGCCGCTGATAAAGGAAAGGATACTCGTGATCCAAGCATTGGGGATTGAGAAAGAGTAGAAATGCCACAAGCC
TCAATAGCAGGTTTAAGAGCCTCGATACGCTCAAAGTCAAAATAATCAGCGTGACATTCAGAAGGGTAATAAGAACG
AACCATAAAAAAGCCTCCAAGATTTGGAGGCATGAAAACATACAATTGGGAGGGTGTCAATCCTGACGGTTATTTCCT
AGACAAATTAGAGCCAATACCATCAGCTTTACCGTCTT

>OTU4173;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9784),o:"Bacteroidales"(0.9707),f:"Prevotellaceae"(0.6709),g:Prevotella(0.5239);
CCGGGAGGCAGCAGTGCTTCCTCTTTTTCCCTTTTCTTCCTCCTTCACCCTCCAAGTATCGTGAAGGATGACTGCCCTATGGGTTGTCAACTTCATTTATAAGGGAATAAATGTGGGTACGCGTACCCGTTTGCATGTACCTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGCGCTTAAGTCAGCTGTGAAAGTTTGGGGCTCAACCTTAAAATTGCAGTTGATACTGGGTGCCTTGAGTGCAGTATAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCTATTGCGAAGGCAGCTTGCTGGAGTGTAACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU4172;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:"Bacteroidia"(0.4812),o:"Bacteroidales"(0.2359),f:"Prevotellaceae"(0.0457),g:Prevotella(0.0110);
ACGGGAGGCAGCAGCGCGTAGTATTAGATACCCTGGTAAGGTCGGAAGAGCACACGTCTGAACTCCAGTCACCTACCGATCTCGTATGCCCTCTTCTGCTTGAGAAAAAAAATGTCCTACGTGTAGGATTTTGTATGTACCCGAAGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCTGGTGTTATCCGGATTTATTGGGTTTAAAGGGGGCGCAGGCCGGAGATTAAGCGTGACGTGAAATGCCGCGGCTCAAACGTGGAAGTGCGTCGCGAACTGGTTTCCTTGAGTGAGTTCGAGGCCGGCGGAATTCGTGGTGTAGCGGTGAAATGTTTAGTTTAATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATCTACGGGAGGCAGCAGCCCGTAGGATTAGATACCCTGGTA
>OTU4171;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Bacilli(0.4812),o:Lactobacillales(0.2359),f:Lactobacillaceae(0.1098),g:Lactobacillus(0.0204);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCAGCTCGTAAAGCTCTCTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTTACGCAGTGACGGTATCCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGCGCGTAGGCGGGACGTCAAGTCAGCGGTAAAAGACTGCAGCTAAACTGTAGCACGCCGTTGATACTGGATATCTTGAGTGCAGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAGGAACTCCGATTGCGAAGGCAGCCTGCTAAGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU4170;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Ruminococcaceae(0.1291),g:Saccharofermentans(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGAAGAAGGTCTTCGGATTGTAAAGCTCTTTGATCAGGGACGAACACAATGACGGTACCTGAAGAACAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGCAGCCGGGCATGCAAGTCAGATGTGAAATCTCAGGGCTTAACCCTGAAACTGCATTTGAAACTGTATGTCTTGAGTGCCGGAGAGGTAATCGGAATTCCTTGTGTAGCGGTGAAATGCGTAGATATAAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU4174;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9835),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.3959),f:"Prevotellaceae"(0.1485),g:Alloprevotella(0.0134);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTAGGCGGGGGTAAAGTGGCGGACGCGTTCCGCCTTTGCAAGTACCGCCAGAAAAAGGACCGGCTAATTCTGTGCCAGCAGCCGCGGTAATACGGAAGGTCCAGGCGTTATCCGGAGTTATTGGGTTTAAAGGGAGCGTAGGCGGGCTATTAAGGCAGCTGTGAAATCCGGCGGCACGACCGTCGGCCTGCAGTTGATACTGGTGGTCTTGAGTGCGCGCAGGGGTGTTGGAATTCATGGTGTAGCGGTGAAATGCTTAGATGTCATGAAGAACCCCGATTGCGAAGGCAGCTTACTGGAGTGTAACTGACGCTGAAGCTCGAAAGCGCGGGTATCGAACAGGATTAGATACGCTGGTA

>OTU4175;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9908),o:Lactobacillales(0.9707),f:Lactobacillaceae(0.9387),g:Lactobacillus(0.7643);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTCTTGTTAGAGAAGAACGTGCGTGAGAGCAACTGTTCACGCAGTGACGGTATCTAACCAGAAAGTCACGGCTAACTACGTGCCATCAGCTTCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGGGCAGGCGGTTTGATAAGTCTGATGTGAAAGCCTTTGGCGTAAACAAAGAAGTGCATCTGAAGCTGGCAGACTTGAGTGCAGAAGAGGACAATGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGGAGAACACCAGTGGCGAAGGCGGCTGTATGGTCTGCAACTGACGCTGAGGCTCGAAGGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU4176;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Clostridiaceae_1(0.4563),g:Clostridium_sensu_stricto(0.2607);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGCTGCAGCAACGCCGCGTGAGTGATGAAGGTCTTCGGATCGTAAAGCTCTGTCTTCTGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAAGTGAGATGTGAAATACCCAGGCTCAACCTGGTGGCTGCGTTTCGACCTGGAGGTCTAGAGTGCAGGAAGGGGGGGTGGAATGCCGGGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACGCCAGTGGCGAAGGCGACTCTCTGGGCTGTAACTGACGCTGGGGATCGAAAGCGTGGGGAGCAAACCGGATTAGATACCCTGGTA

>OTU4177;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachnospiraceae(0.4563),g:Clostridium_XlVa(0.2607);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGGAAGCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATCTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAACGACGGTACCTGACTAAGTAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATTCGGATTTACTTGGTGTAAAGGGAGCGTAGACGGCGACGCAAGTCTAGAGTGAAAGCCCGGGGCGCAACCCCGGGACTGCTTTGGAAACTGTGTTGCTAGAGTGTCGGAGAGGTAAGTGGAATTCCTAGTGTAGAGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTG

>OTU4178;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Bacilli(0.9856),o:Lactobacillales(0.9172),f:Lactobacillaceae(0.7428),g:Lactobacillus(0.5720);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCTGCTCGGAAAGCCCTTTTGTTCGAGAAGAACGTGCGTGAGAGCAACTGTTCACGCAGTTACGTTATCTAACCAGAAAGTCACGGCTCACTACGTCCCAGCAGCTACGGCAATACGTGGGGGGCAAGCGCTATCCGGTTTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTGATAAGTCTGATGTGAAAGCCTTTGGCTTAACCAAAGAGGTGCAGCGGAAACTGTCAGACTTGAGAGCAGAAGAGGAAAGTGGAACACCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU4179;tax=d:Bacteria(0.0058),p:"Bacteroidetes"(0.0000),c:Sphingobacteriia(0.0000),o:"Sphingobacteriales"(0.0000),f:Chitinophagaceae(0.0000),g:Hydrotalea(0.0000);
TGTGAGTCATCGAATCTTTGAACGCATATTGCGCTCTATAGTATTCTATAGAGCATGCCTGTTTGAGCGTCATTTCTCTCTTAAACCTTTGGGTTTAGTATTGAAGGTTGTGTTAGCTTCTGCTAACTCCTTTGAAATGACTTGGCAATTGATTGAGTTTTCCATATATTTGCTTAAGGATTTAATATTAGGTTCTACCAACTTATTAAATACCCTTTTGCGAAGGACTTACTCGTGTATCAAGGCCTTATAACTTTGTCATTAATTTTGACCTCAAATCAGGTAAGGATACCCGCTGAACTTAAGCATATCAATAAGCGGAGGA
>OTU4180;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9321),o:"Bacteroidales"(0.8412),f:"Prevotellaceae"(0.4563),g:Prevotella(0.0904);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAACTGATGGACGTGTCCCTTTTTGCAGGTACCGCATGAATCCGGACCGGCTAATTCCGTTCCAGCCCCCGCGCTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCGTTTAAGCGTGTTGTGATAGGCCGCGGCTCAACCGGGGCACGGCAGCGGGAACTGGATGACTTGAGTGCGGGGGAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTGACCGTAGCGTTACTGACGCTGAAGCTCGAAAGTGCGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU4181;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Gracilibacteraceae(0.0560),g:Gracilibacter(0.0134);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGGAGGAAGAAGGTTTTCGGATCGTAAACTCCTGTCCTCAGGGAAGAGGAGAAGACGGTAGCTGAGGAGGAAGACCCGGCTAACTACGTGCAAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCTCGGTAAGTCTGGAGTGAAAGTCCTGCCTTCAAGGTGGGAATTGCTTTGGATACTGTCGTGCTTTAGTGCAGGAGAGGTAAGTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGAGATTGTGAGGAACACCCGTGGCGAAGGCGACTTACTGGACTGTAACTGACGCTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATAACCTGGTA

>OTU4182;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.6138),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0230);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGACCCTATGGGTTGTAAACTGCTTTTGTGCGGGGCAAAAGTGTGGGACGTGTCCCATATTGCAGGTACCGCATGAATGAGGACCGGCTAATTCCGTGCCAGAAGCCGCGGTCATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGGAGATTACGCGGGTTGGGAAAGGCCGTGGCTCAACCCTGGAAATGCAGCGCGAACTGGATTTCTTGAGTGCGCGCGACGCAAGCGGAATTCGTGGTGTAGCGGTGAAATGCTGAGATATCACGAGGAACCCCAATTGCGAAGGCAGCTTGCGGGAGCGCAACTGACGCTGAAGCTCGAAGGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU4184;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.9606),f:"Prevotellaceae"(0.8864),g:Prevotella(0.7162);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGAAGGCCCTATGGGTTGTAAACTGCTTTTATAAGGGAATAAAGTTAGTCTCGTGAGACTTTTTGCATGTACCTTATGAATACGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTCATACGGAAGGTCCGCTCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGGAGATTAAGCGTGTTGTAAAATGTAGATGTTCAACATCGGCACTGCATCGCGAACTGGGGTCCTTGAGTACGCACAAAGTGGGCGGAATTCGTGGGGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGAGCGCAACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGT

>OTU4183;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Lachnospiraceae(0.1679),g:Blautia(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATCTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTCTTTTAAGTCTGATGTGAAAGCCCCCGGCTTAACCGGGGAGGGGCATTGGAAACTGGGAGACTTGAGTGCAGAAGAGGAAAGCGGAATTCCATGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACGACAACTGACGCCGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU4186;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Peptostreptococcaceae(0.2184),g:Clostridium_XI(0.0615);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGACGGCCTTCTGGTTGTAAAGCTCCGTCCTCAAGGAAGATAATGACGGTACGTGTGGAGGAAGCCTCGGCTAACTACGTGACAGCAGCCGCGGTTATACGTAGGGGGCTGGCGTTATCCGGAATTACTGGGCGTAATGGGTGCGTAGGTGGTTTCTTAAGTCAGAGGTGAAAGGCTACGGCTCAACCGTAGTAAGCCTTTGAAACTGTGAAGCTTGAGTGCAGGAGAGGAGAGTGGAATGCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTTGCGAAGGCGGCTCTCTGGGCTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU4185;tax=d:Bacteria(0.7564),p:Firmicutes(0.1112),c:Clostridia(0.0324),o:Clostridiales(0.0231),f:Clostridiaceae_4(0.0046),g:Caminicella(0.0032);
ACGGAAGGCAGCAGTGGGGAAGAGGGGGAAAGGGGAGAAAGAAGGACAAAGCAAAGCCGAGTGAGGGAAGAAGGGTTTCGGATCGTAAACCTCTGTCCGATGGGACGAAGGAAGTGACGGTAACATAGGAGGAAGCCCCGGCTAACGACGTGCCAGCAGCCGCGGGAATACGTAGGGGGCGAGCGTTGTGCGGAATGACTGGGCGTAAAGGGTGTGTAGGCGGGCTTGCAAGTTGGATGTGTAATACCCAGAGCTTAACTCGGGTGCTGCATCTGAAACTACAAGTCTTGAGTGTCGGAGGGGCAATCGCAATTCCTAGTGTAGCGGTGAAATGCGTCGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTTGACGATAACTGACGTTGAGGCGCGCAAGTGTGGGGAGCAAACAGTCTTATCTACCCTGGTA
>OTU4187;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9776),o:Lactobacillales(0.9497),f:Lactobacillaceae(0.8505),g:Lactobacillus(0.4787);
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onadales(0.9866),f:Pseudomonadaceae(0.9876),g:Pseudomonas(0.9743);
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9),f:Spirochaetaceae(0.1872),g:Treponema(0.0157);
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cillaceae(0.9108),g:Lactobacillus(0.6681);
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ATCGTCACGGCTAACTACGTGCGCGCAGCTGCTGTAATACGTCGGTGGCAAGCGTTATCCGGATTTATTGGGAGTAA
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629),f:"Prevotellaceae"(0.3544),g:Prevotella(0.1299);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCACGTAGCGTGAAGGATGAATGA
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GTGCAGTATAGGCAGGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCAATTGCGAAGG
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>OTU4195;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Bacilli(0.9812),o:Lactobacillales(0.8520),f:Lactoba
cillaceae(0.5632),g:Lactobacillus(0.2607);

ACGGAAGGCAGCAGTAGGGGATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAATAAGGG
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>OTU4197;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9638),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.3
959),f:"Prevotellaceae"(0.1679),g:Prevotella(0.0110);

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cillaceae(0.9108),g:Lactobacillus(0.6200);
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ales"(0.0291),f:Sphingobacteriaceae(0.0073),g:Solitalea(0.0039);
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707),f:Bacteroidaceae(0.8864),g:Bacteroides(0.8124);
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diaceae_1(0.4563),g:Clostridium_sensu_stricto(0.2607);

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cillaceae(0.8146),g:Lactobacillus(0.4351);
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0.9389),f:Actinomycetaceae(0.8146),g:Actinomyces(0.7162);
ACGGGAGGCAGCAGTGGGGAATTTTGCACAATGGACGCAAGTCTGATGCAGCGACGCCGCGTGAGGGATGGAGGC
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>OTU4239;tax=d:Bacteria(1.0000),p:Firmicutes(0.2586),c:Clostridia(0.1159),o:Clostridiales(0.0547),f:Pepto
streptococcaceae(0.0113),g:Filifactor(0.0056);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGTCTTACCCAGCAATGCCGCGTGAGTGAAGAAGGT
CCTCGGATTGTAAAGCTCTTTGATCAGGGACGAACACAATGCCGGTACCTGAAGAACAAGCCCCGGCTAACAACGTG
CCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGTGTGTAGGCGGGCTC
GCAAGTTGGATGGGTAATAGCCAGAGCTTAACTCGGGTGCTGCATCGGAAACTACGAGGCTTGAGTGTCGGAAGGG
TAAGTGGAATTCGTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACATCAGTGGCGAAGGCGACTTACGGGA
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>OTU4240;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Lachnospiraceae(0.2184),g:Coprococcus(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGATGCCGCGTGAGGGAAGAAGGATTTCGGATTGTAAACCTCTGTGAGGGGGGAAGATAATGACGGTACCCGAATAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGTAAGTAAGTCAGAAGTGAAAACCCGGGGCTCAACCCCGAAACTGCTTTTGAAACTGTTCTGCTAGAGTGTAGCAGAGGCAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGTCTATGACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4243;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Ruminococcaceae(0.1291),g:Intestinimonas(0.0134);
ACGGGAGGAAGAAGGGGGGAAGATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGGACGTGACGGTACCTGGAGAAAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGCAGCAAGTCAGAAGTGAAATCCATGGGCTTAACCCATGAACTGCTTTTGAAACTGTTGCCCTTGATTATCGGAGAGGCAGGCGGAATTCCTAGTGTAGAGGTGAAATGCGTAGATATTATGCGGAACACCAGTGGCGCATGCGTCCTGCTCGACGACAACTGACGCTGAGGCGCGGAAGCGTGGGGAGCAAACAGGATTAGCTACCCTGGTA
>OTU4242;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9877),o:Clostridiales(0.9940),f:Clostridiaceae_1(0.6709),g:Clostridium_sensu_stricto(0.3915);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACTGCTAACTACGTGCCAGCAGCAGCGGTAATACGTAGGTGGCGAGACTTGCCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAAGTGAGATGTGAAATACCCGGGCTTAACTTGGGTGCTGCATTTCAAACTGGAAGTCTAGAGTGCAGGGGGGGAGAAGTGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGTCCACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACACAGAGGCTCGAAAGCGTGGGGCGCAAACAGGTTTAGATACCCTTGTA
>OTU4244;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.5174),c:"Bacteroidia"(0.0626),o:"Bacteroidales"(0.0413),f:"Porphyromonadaceae"(0.0099),g:Barnesiella(0.0046);
ACGGAAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATGCCGCGTGAATGACTAAGGCCCTATGTGCTGTAAACTTCTTTAGACGCAGAGCAATAAGGGCCACGCGTGTTCCGATGAGAGTATGCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGGTGCGATCCTTATCCGGAGTCATTGGGTGTAAAGGGTGCGTAGGCGGCTTTGCAAGTCAGCGGTGAAAGGCCCGGGCTCAACCCGGAAAGTGCCGTGGGTACTGTAAGGCTGGAATGCGGATGCTGTGGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCACTAAGAACACCGATTGCGAAGGCATCTCACAAATCAGCAATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU4245;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Rumin
ococcaceae(0.3884),g:Papillibacter(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGTC
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CAAGTCAGATGTGAAATCCCGGGGCTTAACCCCGGAACTGCATTTGAAACTGTTTCGCTTGAGTATCGGAGAGGCAA
GCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGA
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>OTU4246;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9755),o:Clostridiales(0.9389),f:Lachn
ospiraceae(0.5991),g:Blautia(0.3043);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAAAT
GACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCC
GGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGTATCAAGTCTGATGTGAAAGGCAGGGGCTCAACTCCTGGACT
GCATTGGAAACTGGTATGCTCGAGTGCCGGAGGGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATT
AGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAAC
AGGATTAGATACCCTGGTA
>OTU4248;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Lachn
ospiraceae(0.2524),g:Parasporobacterium(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGACTGAAGAAGTA
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GCAGCCGCGGTAATATGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGTGGTAAGGCAA
GCCAGAAGTGAAAGCCCCGGGCTCAACCCCGAGGACTGATTTTGGAACTGTCGAACTGGAGTGACAGAAGGGCAAG
CGGAATTCCTATGGTAGCGGTGAAATGCGTAGTTATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTTGACTTTA
ACTGACACTGAGGCTCGAAAGCGTGGGGAGCAACAAGGATTAGATACCCTGGTA
>OTU4247;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Negativicutes(0.4045),o:Selenomonadales(0.171
9),f:Veillonellaceae(0.0710),g:Selenomonas(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGG
GTTTCGGCTCGTAAACCTCTTTCCTATGGGACGAAGGAAGTGACGGTACCACAGGAGTAAGCCCCGGCTAACTACGT
GCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGGCT
GATAAGTCTGGTGTGAAAGTTCTGCGTTCAAGGTGGGAACTGCTTTTGAAACTGTTTGGCTTGAGTGCAGGAGAGGA
AGGCGGAATTACCTGTGTAGCGGCGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGA
CTGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU4250;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Lachnospiraceae(0.2524),g:Hespellia(0.0615);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGAAGAAGTATGTCGGTATGTAAAGCGCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCTCCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGGAGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGTCTGGCAAGTCAGATGTGAAAACCCGGGGCTCAACTCCGGGACTGCATTTGAAACTGTCAGACTAGAGTGTCGGAGAGGTAAGTGGAATTCCTAGTGTAGCGTTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCTAAGGCGGCTTACTGGACGATACCTGACGCTGAGGCTCGACAGCGTGGGGAGCAAACCGGATTAGATACCCTGGTA
>OTU4249;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.8448),c:Alphaproteobacteria(0.5195),o:Kiloniellales(0.1483),f:Kiloniellaceae(0.0560),g:Kiloniella(0.0134);
ACGGGAGGCAGCAGTTAGGAATATTGGACAATGGGGGCAACCCTGATCCAGCCATGCCGCGTGAGTGTTAAGGCCTTCGTGTTGTAAAGCTCTTTTGTATGGGAAAATGATGATGGTACCATAAGAATAAGCACCGGCTAACTTCGTGCCAGCAGCCGCGGTAATACGAAGGGTGCAAGCGTTGTTCGGAATTACTGGGCGTAAAGGGCGTGTAGGCGGATAAATTAGTCAGAAGTGAAATCCCGAGGCTCAACCTCGGAACTGCTTTTGAAACGATTTTTCTTGAGTATGACAGGGGATGATGGAATACCCAGTGTAGAGGTGAAATTCGTAGATATTGGGTAGAACACCAGAGGCGAAGGCGGTCATCTGGGTCATTACTGACGCTGAGGCGCGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA
>OTU4252;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:"Bacteroidia"(0.1159),o:"Bacteroidales"(0.0547),f:"Rikenellaceae"(0.0149),g:Rikenella(0.0066);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGTCCTATGGATTGTAAACTGCTTTTTTCGGGGAATAATAAGACTTTTGCGAAGGTTGATGCAGGTACCCGAAGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATTCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTTAGATAAGTTTGTGGTTAAATGCTTCTGCTCAACAGGAGTTTGCCTTGAAAACTGTCTGACTAGGATGTAAACGGCGCAGGCGGAATGAATCATGTAGCGGTGAAATGCATAGATATGATGGAGAACACCGAGCGCGAAACCAGCTTGCGAGGATACGATTGACGGTGAAACGCGAGAGAGTAGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU4251;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachnospiraceae(0.2524),g:Blautia(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAAGGATGAAGGCTTTCGGTATGTAAACTTCTATCAGCAGGGAGGAAAATGACGGTACCTGACTAAGAAGCCCTGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAGTAGTAAGTCAGACGTGAAAGGCAGGGGCTCAACTCTGGAACTGCTTTGGAAACTGGTAAGCTCGAGTGTCAGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGTCTTACTGGACCGTATCTGACGTTGAGGCTCGAAGGCGTGGGGAGCAAATAGGATTAGATACCCTGGTA

>OTU4253;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Peptostreptococcaceae(0.0560),g:Clostridium_XI(0.0134);
ACGGGAGGCAGCAGTAGGGAATTTTCGGCAATGGGCGAAAGCCTGACCGAGCAATGCCGCGTGAATGAAGAGATTCTTCGGAATGTAAAGTTCTGTTATTGAGGACGAAAGATAGTATCAGGAAATGGGTATTATTTGACGGTACTTGATGAGAAAGCCCCGGCTAACTATGTGCCAGCAGCCGCGGTAATACATAGGGGGCGAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGTCTTTTAAGTCAGTAGTGAAAGGCTACGGCTTAACCGTAGTAAGCTTTTGAAACTGGAGGACTTGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGAGGCGAAGGCGATTAACTGGCCTGTAACTGACGCTGAGACACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4254;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Clostridiaceae_1(0.4224),g:Clostridium_sensu_stricto(0.1735);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGCAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTTTCTTCAGGGACGATAATGACGGTACCTGCGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTGCCCGGATTTACTGGGCGTAAAGGGCGTGTAGGCGGATTTTTAAGTGAGATGTGAAATACCCGGGCTTAACCTGGGTGCTGCATTTCAAACTGGAAGACTAGAGTGCAGGAGAGGAGAAGGGAATTCCGAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAGCACCGGTGGCGAAGGCGCTACTCTGGACCGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4257;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:"Bacteroidia"(0.1740),o:"Bacteroidales"(0.0781),f:"Porphyromonadaceae"(0.0252),g:Barnesiella(0.0076);
ACGGAAGGCAGCAGTAAGGGATATTGGTCAATGGGCGTGAGCCTGAACCAGCCAAGCCGCGTGAGGGAATGCGGCCCTACGGGTCGTAAACCTCTTTTGCCGGGGGATAACGGGCTCCACGCGTGGCGCCTTGAAGGTACCCGGCGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGGCGTCTAAGTCAGCGGTGAAAGGTTCCGGCTCAACCGGGTCAGTGCCGATGAAACTGGGGGCCTTGAATGCGGACGAGGCCTGCGGAATGTGGCGTGTAGCGGTGAAATGCATAGATATGACACAGAACACCGATAGCGAAGGCAGCTGGCCGGGGCTGCAGTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU4255;tax=d:Bacteria(1.0000),p:Firmicutes(0.2586),c:Clostridia(0.1159),o:Clostridiales(0.0547),f:Ruminococcaceae(0.0149),g:Ruminococcus(0.0066);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGCTTTCGGGTTGTAAACCTCTGTCCATGGTGACGAAGGAAGTGACGGTAGCCAAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCACGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGAGCGTAGGCGGTCTGATAAGTTGGATGTGAAATACCCGTGCTTAACTTGTGCGGTGCGTCCAGTACTGTTGGACTAGAGTACATGAGATGATAGCGGAATTCCTAGTGTAGCGGTGAAATGCATAGATATTAGGAGGAACATCGGTGGCGAAGGCGGCTATCTGGACTGCTACTGACGCTGAGGCTCGAAGGCGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU4256;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Erysipelotrichia(0.8897),o:Erysipelotrichales(0.7623),f:Erysipelotrichaceae(0.5632),g:Turicibacter(0.3915);
ACGGAAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGAATGATGAAGGCCTTCGGGTTGTAAAATTCTGTTATAAGGGAAGAATGGCTCTAGTAGGAAATGGCTAGAGTGTGACGGTACCTTATGAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGAATTATTGGGCGTAAAGGGAGCGTAGACGGCAATGCAAGTCTGAAGTGAAAGGCCGGGGCTCAACCCCGGGACTGCTTTGGAAACTGTGTAGCTGGAGTGCAGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTCTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4258;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:"Bacteroidia"(0.0726),o:"Bacteroidales"(0.0473),f:Marinilabiliaceae(0.0113),g:Mangroviflexus(0.0056);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGAAAGACTGAACCAGCCAAGCCGCGTGCAGGAAGGAGGTCCTATGGATTGTAAACTGCTTTTTTCGGGGAATAATAAGACTTTTGCGAAGGTTGATGTAGTTACCCGAAGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATTCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTTAGCTAAGTTTGAGGTTAAATGCTTCTGCTAAACAGGAGTTTGCCGTGAAAACTGTCTGACGAGGATGTAAACGGAGCAGGCGGAAAGAATCAGGTAGCGGTGACAAGCATAGATATGATTGAGAACACCGAACTCGAAGGCAGCTTGCGAGGATACGATTGACGGTGAAGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU4260;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachnospiraceae(0.3544),g:Clostridium_XlVa(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGACTGAAGAAGGCCCTCGGTATGTAAAGGTCTATCAGAAAGGAAGAAACAGATGGCACTTGACTAAGAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGCAATAAGTAGGGGGCAAGCGTCATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTTGATCAAGTCGGATGTGAAAGCCCGGGGCTCTACCCTGGGACTGCATTGTGAACTGAACGGCTTGAGTGCAGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4259;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Lachnospiraceae(0.1291),g:Lachnospiracea_incertae_sedis(0.0181);
ACGGGAGGCAGCAGCGGGGAATATTGCATAATGGGGGAAAACCTGATGCAGCGACGCCGCGTGACCAAAGAAGCCTTTCGGTATGTAAAGGTCTTCCAGTAAGGAAGAAAATGACGGTAATTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGTGGTAAGGCAAGCCAGAAGTGAAAGCCCGGGGCTCAACCCCGAGGACTGCTTTTGGAACTGTCGAACTAGAGTGCAGGAGGGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTATATAATAGGAGGAACGCCAGTGGCGAAGTCGGCTCTCTGGACGACAACTGATGCTGAGGCGCGAAAGCGTGAGGAGCAAACAGGATTAGATACCCTGGTA

>OTU4261;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9887),o:Lactobacillales(0.9280),f:Lactobacillaceae(0.8864),g:Lactobacillus(0.6681);
ACGGGAGGCAGCAGTAGGGAATCTTGCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCCCTGTTGTTGGGGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACAAGAAAGTCACGGCTAACTACGTGCCAGCCGGCGCGGCAATACGTAGGTGGCAAGCGCTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAGATAAGTCTAGTGGGAAAGGCCTCGGCTTAACCGAGGAATTGCAGCGGAAACTGTTTTTCTTGAGTGCAGAAGAGGAGAGTGGAACTCGATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTTGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU4262;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9704),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.6881),f:Bacteroidaceae(0.2524),g:Bacteroides(0.0712);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAACCTTCTTTTATAGAGGAATAAAGTCGGGTATGGATACCCGTTTGCATGTACTTTATGAATAAGGATCGGCTAACACCGTGCCAGCAGCCGCGGTTATACGGAGGTTCCGAGCGTTATCCGGAATTATTGGGTGTAAAGGGAGCGTAGATGGATGTTTAAGTCAGTTGTGAAAGTTTGGGGCTCAACCTGAAAATTGCAGTTGAAACTGTTTGTCTTGAGTGCACATGAGGATGGTGGAATTTGTGGTGTAGCGGTGAAATGCATAGATATCACGAAGAACTCCGATGGCGAAGGCAGCTAACTGGGGTGCGACTGACGCTGAGGCTCGAAAGTGCGGGAAGCAAACAGGATTAGATACCCTGGTA
>OTU4264;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9987),c:Spirochaetia(0.9762),o:Spirochaetales(0.9497),f:Spirochaetaceae(0.9294),g:Treponema(0.2607);
ACTTTCTTCCTCCTCTCCGAATATTCCTCCCTTTCCTCCAGTCTGACGGAGCGACGCCGCGTGGATGATGAAGGCCGGAAGGTTGTAAAATCCTTTTAAGTAGGAGGAATAAGCAGGGTGAGAGAAACGCATTGTGGTGACTGTAGTACTTGAATAAGCAACGGCTAATTACGTGCCAGCAGCCGCGGTAACACGTAAGTTGCGAGCGTTGTTCGGAATTATTGGGCGTAAAGGGCATGTAGGCGGTTTTGCAAGCTTGGTGTGAAATGCCGGAGCTTAACTCCGGAACTGCGTTGAGAACTGCATAACTAGAGTCACTGAGGGGCAATCAGAATTCCAGGTGTAGGGGTGAAATCTGTAGATATCTGGAAGAATACCAATGGCGAAGGCAGGTTACCAGCAGATGACTGACGCTAAGGTGCGAAGGTGCGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4263;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9747),o:Lactobacillales(0.9172),f:Lactobacillaceae(0.7787),g:Lactobacillus(0.4351);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACAGCGTGAGTGAAGAAGGGTTTCGGCTTGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTCATGCAGTGACGGTATCCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATATGTAGGTGGCAAGCGCTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTTCTAAGTCTGGTGTGAAAGCCTTCGGCTTAACCGGAAAAGTGCATCGGAAACTGGATAACTTGAGTGCAGGAGAGGACAGTTGAACTCCATGTGTAGCGGTGGAATGCGTAGATATAAGGAAGAACACCAGTGG

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diaceae_1(0.5632),g:Clostridium_sensu_stricto(0.3479);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
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GGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTA
ACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4266;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9762),o:Lactobacillales(0.9280),f:Lactoba
cillaceae(0.7787),g:Lactobacillus(0.4351);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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GAAAGACACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTATTGGGCGT
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GCAACTTGAGTACAGCAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAG
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GGTA
>OTU4267;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Lachn
ospiraceae(0.5991),g:Clostridium_XlVa(0.3479);
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diaceae_2(0.0710),g:Alkaliphilus(0.0157);
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685),f:Bacteroidaceae(0.8505),g:Bacteroides(0.7643);
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81),f:Acholeplasmataceae(0.0252),g:Acholeplasma(0.0076);
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>OTU4329;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Bacilli(0.8614),o:Lactobacillales(0.6138),f:Lactobacillaceae(0.2864),g:Lactobacillus(0.0519);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCCGATGGATCAACACCGCGTGAGTGACGAAGGCTTTCGGCTCGTAAAGCTCTGATGTTAGATAAGAACGTTCGTGAGCGCAACCGTTCTCGCACTGACGGTATCTAACCAGAACGTCACTGCTAACTACGTGCCCGCAGCCGCGGTCATACGTAGGTGGCCAGCCTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGAGGTTTGATAAGACTGATGTGAAAGACATGGGATTAACCAAAGAAAGGCATAGGAAAATGACAGACTTGAGTGCAGAAGAGGAGAGCGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAATGGCGAAGGCGGCTGTAGGGTCTGCAACTGACGCAGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACACTGGTA

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ospiraceae(0.3544),g:Clostridium_XlVa(0.1299);
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303),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0808);
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995),f:Bacteroidaceae(0.3884),g:Bacteroides(0.1735);
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352),f:"Porphyromonadaceae"(0.0059),g:Barnesiella(0.0035);
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753),f:Bacteroidaceae(0.9201),g:Bacteroides(0.9566);
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cillaceae(0.8864),g:Lactobacillus(0.5720);
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955),f:"Prevotellaceae"(0.7068),g:Prevotella(0.2171);
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000),f:"Porphyromonadaceae"(0.0000),g:Parabacteroides(0.0000);
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707),f:Bacteroidaceae(0.8864),g:Bacteroides(0.8124);
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cillaceae(0.1872),g:Lactobacillus(0.0519);
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172),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);
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412),f:Bacteroidaceae(0.3544),g:Bacteroides(0.1299);
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995),f:"Porphyromonadaceae"(0.5273),g:Parabacteroides(0.2171);
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ospiraceae(0.6709),g:Clostridium_XlVa(0.5239);
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ospiraceae(0.2864),g:Shuttleworthia(0.0519);
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737),f:"Porphyromonadaceae"(0.5991),g:Parabacteroides(0.3479);
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acteriales"(0.8629),f:Enterobacteriaceae(0.7428),g:Escherichia/Shigella(0.3915);
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ales"(0.0547),f:Sphingobacteriaceae(0.0149),g:Parapedobacter(0.0066);
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606),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);
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707),f:Bacteroidaceae(0.8505),g:Bacteroides(0.7643);

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389),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);
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diaceae_1(0.0710),g:Clostridium_sensu_stricto(0.0157);
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ospiraceae(0.5273),g:Blautia(0.3043);
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606),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);
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GGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATACGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACATTA
ACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4428;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Pepto
coccaceae_1(0.2184),g:Peptococcus(0.0615);
ACGGGAGGCAGCAGTGGGGAATCTTCCGCAATGGGCGAAAGCCTGACGGAGCAATGCCGCGTGAGTGAAGAAGGC
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GGAAGCCCCGGCTAACTATGTGCCAGCAGCCGCGGTAAAACATAGGGGGCAAGCGTTGTCCGGATTTACTGGGTGT
AAAGGGCGTGTAGCCGGGAGGGCAAGTCAGACGTGAAATCCACGGGCTCAACTCGTGAACTGCATTTGAAACTACT
CTTCTTGAGTATCGGAGAGGCAATCGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACATCAGTG
GCGAAGGCGACTTACTGGACGATAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGG
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>OTU4430;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachn
ospiraceae(0.2864),g:Clostridium_XlVb(0.0615);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGATGAAGGT
TTTCGGATCGTAAACTTCTATCAATAGGGACGAAACAAATGACGGTACCGAAATAAGAAGCCCCGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGCATGT
CAAGCCAGATGTGAAAGCCCGGGGCTTAACTCCGTGGATTGCATGTGGAACTGGCAAGCTGGAGTACAGGAGAGGA
ATGTGGAATTCCTAGTGTAGCGGTGAAAGGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCTGCTTTCTGCACT
GAAACTGAGGCTGAGGAGCGAAAGCGTGGGGAGTTAACAGGATTAGATACCCGGGTA
>OTU4431;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lachn
ospiraceae(0.2864),g:Ruminococcus2(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAACGACGCCGCGTGAGCGAAGAAGTA
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GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAGAGGCA
AGTCGGATGTGAAAACCCGGGGCTCAACCCCGGGAGTGCATTAGATGCAGATTAACTGTAGTGCCGGAGGGGTAGG
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>OTU4432;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Lachn
ospiraceae(0.1098),g:Clostridium_XlVa(0.0181);
ACGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTAT
TTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAGAAGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAG
CAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGCGCTTAAG

TCAGCTGTGAAAGTTTGGGGCTCAACCTTAAAATTGCAGTTGATACTGGGTGCCTTGAGTGCAGTATAGGCAGGCGG
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>OTU4434;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Rumin
ococcaceae(0.3544),g:Intestinimonas(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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GAATTCGTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGTCAACTAGACGATAA
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>OTU4433;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.7727),c:Gammaproteobacteria(0.4812),o:Pasteure
llales(0.2359),f:Pasteurellaceae(0.1098),g:Actinobacillus(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCCATGCCGCGTGAATGAAGAAGGC
CTTCGGGTTGTAAAGTTCTTTCGGTGATGAGGAAGGTGTTTGTTTTAATAGAACAAGCAATTGACGTTAGTCACAGAA
GAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAA
AGGGCGTGTAGGCGGGACTGCAAGTCAGATGTGAAAACTATGGGCTCAACCCATAGCCTGCATTTGAAACTGTAGTT
CTTGAGTGTCGGAGAGGCAATCGGAATTCCGTGTGTAGCGGTGAAATGTGTAGATATTAGGAGGAACATCAGTGGC
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>OTU4436;tax=d:Archaea(1.0000),p:"Euryarchaeota"(0.9991),c:Thermococci(0.9812),o:Thermococcales(0.
9798),f:Thermococcaceae(0.9868),g:Thermococcus(0.8605);
GTGCCAGCAGCCGCGGTAATACCGGCGGCCCGAGTGGTGGCCGCTATTATTGGGCCTAAAGCGTCCGTAGCCGGGC
CCGTAAGTCCCTGGCGAAATCCCACGGCTCAACCGTGGGGCTTGCTGGGGATACTGCGGGCCTTGGGACCGGGAGA
GGCCGGGGGTACCCCTGGGGTAGGGGTGAAATCCTATAATCCCAGGGGGACTGCCAGTGGCGAAGGCGCCCGGCT
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>OTU4435;tax=d:Bacteria(0.9450),p:"Bacteroidetes"(0.4311),c:"Bacteroidia"(0.0626),o:"Bacteroidales"(0.0
413),f:"Porphyromonadaceae"(0.0099),g:Parabacteroides(0.0039);
CCTTTCTTCCTCCTTTCTTCCTCTTTTTCCCTGTTCTCTAGCCTGAACCAGCCAAGCCGCGTGAGGGAAGAAGGCGCTCA
GCGTCGTAAACCTCTTTAGCCGGGGGACAAAACCTCCTCGCGAAGGAGGCTTGAGAGTACCCGGAGAATAAGCGTC
GGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCG
CAGGCGGACATTCAAGTCTGCGGTCAAATTCCGGGGCTCAACCCCGGCCAGCCGTGGAAACTGAATGACTTGAGTGG
GCGAGAGGTATGCGGAATGCGCGGTGTAGCGGTGAAATGCTTAGAGATCGCGCAGAACTCCGATTGCGAGGGCAG
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>OTU4437;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9474),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5023),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0230);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTGCGCGGGGATAAATTGCGCCACGTGTGGCTCATTGCAGGTACCGCGCCAATAAGGACCGGCCAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGTTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGCCCCTTAAGCGTGTGGTGAAATGCCGGGGCTCAACCGTGGCACTGCAGTGCGAACTGGGGGGCTTGAGTGCGGGAAGCGCAGGCGGAACTCGTGGTGTAGCGGTGAAATGCGTAGATATCAGGAAGAACTCCGGTGGCGAAGGCGGCCTGCGGGAGAGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU4438;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9867),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.3959),f:Bacteroidaceae(0.0904),g:Bacteroides(0.0181);

AAGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATAGGTTGTAAACTGCTTTTGCGCGGGGATAAAGTGCGCCACGTGTGGCTCATTGCAGGTACCGAGCGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAAATGGATGTTTAAGTCAGTGGTGAAAGTTTGTTGCTCAACCGTAAAATTTCAGTTGTTACTGAATATCTTGAGTGTAGTTGAGGCAGGCGGAATTAGTGGTGTAGCGGTTAAATGCATAGATATCACGAAGAACTCCGACTGCGAAGGCAGCCTGCTAAGCTGCAACTGACATTGAGGCTCGAATGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU4439;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Bacilli(0.5195),o:Lactobacillales(0.2679),f:Lactobacillaceae(0.1291),g:Lactobacillus(0.0157);

ACGGAAGGCAGCAGTAAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTGCGCGGGGATAAAGTGCGCCACGTGTGGCTCATTGCAGGTACCGCGCGAATAAGGACCGGCCAATTCCGCGCCAGCAGCCGCCGTAATACCTAGGTGGCCAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTGCTTAGGTCTGAGGTGAAAGCCTTCGGCTTAACCGAAGAAGTGCATCGGAAACCGGGCAACTTGAGTACAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATGTGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU4440;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Lachnospiraceae(0.4914),g:Clostridium_XlVa(0.2607);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGACGCAAGTCTGGAGTGAAAGCCCGGGGCCCAACCCCGGGACTTCTTTTGAAACTGGGGTGGTGGAGGGGAAGGAGGGTAAGTGGAATTCCTAATGTTGCGGTGAAATGCGTAGATATTAGGGGGGACACCAAGTGCGAAGGCGGCTTACTGGACTGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU4442;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Rumin
ococcaceae(0.5273),g:Flavonifractor(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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AAGTCAGATGTTAAAACTATGGGGTCAACCCATAGCCTGCATTTGAAACCGTAGTACTTGAGTGGCGGAGGGGCAAA
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>OTU4441;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:"Bacteroidia"(0.4428),o:"Bacteroidales"(0.2
039),f:Bacteroidaceae(0.0904),g:Bacteroides(0.0181);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
CCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGGATACCCGTTTGCATGTACTTTATGAATAAGG
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGATTTACTGGGTGCAAAGGG
AGCGTAGGCGGCATGGCAAGTCTGATGTGAAAACCCAGGGCTCAACCGTGGGACTGCATTGGAAACTGTCAAGCTG
GAGTGTCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGA
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>OTU4443;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:"Bacteroidia"(0.1159),o:"Bacteroidales"(0.0
547),f:Prolixibacteraceae(0.0149),g:Prolixibacter(0.0066);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
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AGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAG
GGTGCGTAGGCGGCCGAGTAAGTCAGCGGTGAAAGACCGGGGCTCAACCCTGGAAGTGCCGTTGATACTGTTTGGC
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AGGCATCTGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA
>OTU4444;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Erysipelotrichia(0.9755),o:Erysipelotrichales(0.93
89),f:Erysipelotrichaceae(0.9201),g:Turicibacter(0.9566);
ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGAATGATGAAGGC
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AACTTGAGTACAGGAGAGGGAAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGAGATATGGAGGAACACCAGTG
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>OTU4446;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Lachnospiraceae(0.6709),g:Clostridium_XlVa(0.4351);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGAAACCCTTGAGGCACGGCCCCCGCGTGAAGGAGAAATTATTTGGGTAGTAAACTTCCTACCGGCAGGGAGAAGAATGACGGTACTTGCCTAAGAACCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGATGCAAGCCAGATGTGAAAGCCCGGGGCTCAACCCCGGGACTGCATTTGGAACTGCGCGGCTGGAGTGTCGGAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4447;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8520),f:"Rikenellaceae"(0.7068),g:Alistipes(0.4787);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCATGCCGCGTGCAGGAAGACGGCTCCATGAGTTGTAAACTGCTTTTGTACGAGGGTAAACGCGCTTACGTGTAACAGCCTGAAAGTATCCTACGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCAAGCGTTATCCGGATTTACTGGGTTTAAAGGGTGCGTAGGCGGTTTAGCAAGTTAGAGGTGAAATCCCGGGGCTTAACACAGAAACTGCCTCTGATACTGTCGAACTTGAGAGTAGTAGAGGTAGGCGGAATGCCTAGTGTAGCGGTGAAATGCTTAGAGATCATAAAGAACACCGATTGCGAAGGCAGCTTACCAAACTATATCTGACGTTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4445;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Lachnospiraceae(0.0355),g:Clostridium_XlVa(0.0076);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGTCGCAAGCCTGACCCAGCAACGCCGCGTGACGGAAGAAGTATTTCTGTATGTAAAGCTCTATCAGCAGGGAAGAAGAAGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGTGTGTAGGCGGTTTGATAAGTTAGAAGTGTAATACCCAGGGCTTAACTCGGGTGCTGATTCTAAAACTGTCAGACTTGAGGGCAGGAGAGGTAAGTGGAAGTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACATAAGTGGAGAAGGGGAATTAATGGACTGTAACTGAAGGTGAGGCACGAAAGCTTGGGGAGGAAACAGGATTAGATACCCTGGTA
>OTU4448;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9572),c:Spirochaetia(0.8755),o:Spirochaetales(0.7252),f:Spirochaetaceae(0.5273),g:Treponema(0.1735);
AAGGGAGGAAGAAGAGAAGAAGAGGAAGGAAGGGAGGAAAGGAGGACGGAGAGACGCCGAGTGAACGAAGAAGGCCGGAAGGATGTAAAGTTCTTTTGAAACTGAAGAATAAGTATTGCAGGGAATGGCGATATGGTGACGGTAGGTTTTGAATAAGCAACGGCTAATTACGTGCCAGCAGCCGCGGTAACACGTAAGTTGCGAGCGTTGTTCGGAATTATTGGGCGTAAAGGGCATGTAGGCGGTTTTGCAAGCTTGGTGTGAAATGCATAGGCTCAACCTATGAACTGCATTGAGAACTACAAGACTTGAGTTACTGAGGTTGAACTGGAATTCCAGGTGTAGGGGTGAAATCTGCAGATATCTGGAAGAACACCAATGTCGAAGGCAAGTTTTAAGCAGATAACTGACGCTGAGGTGCGAAGGTGCGGGGAGCAAACAGGCTTAGATACCCTGGTA

>OTU4450;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:Sphingobacteriia(0.2902),o:"Sphingobacteriales"(0.1249),f:Sphingobacteriaceae(0.0457),g:Olivibacter(0.0087);
ACGGGAGGCAGCAGTAAGGGATATTGGTCAATGGGCGGGAGCCTGAACCAGCCATGCCGCGTGCGGGATTGAGGCCCTACGGGTCGTAAACCTCTTTTGCCGGGGGATAACGGGCGCCACGCGTGGCGCCGTGAAGGTACCCGGAGAATACGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCGGGCGTCTAAGTCAGAGGTGAAATTCCCGGGCTCAACCGGGTCACTGCCGAGGATACTGTGGGTCTTGAGTGCGGTCGAGGCCGGCGGAATGCGTCGTGTAGCGGTGAAATGCGTAGATATGCCAAAGAACACCGATGGCGAAGGCAGCTGGCTGGGCCTGCATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU4449;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Ruminococcaceae(0.1291),g:Saccharofermentans(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGACGGTCTTCGGATTTTAAACTTCTTTTATGAGGGACGAAGGACGTGACGGTACTTCATGAATAAGCCACGGCTAACTATGTGCCAGCAGTCGCGGTGATACGTCGGCGGCAAGCATTATCCGGATTTAATGGGTGTAAAGGGCGCGTAGGCGGGGATGCAAGTCAGATGTGAAATCTATGGGCTTAACCCATGCACTGCATTTGAAACTGTGTCTCTTGAGTACTGGAGAGGTAGGTGGAATTCCTTGTGTAGCGGTGAAATGCGTAGATATAACGAAGAACACCAGTGGCGAAGGCAATCTACTGGACAGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU4451;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Clostridiaceae_1(0.2524),g:Clostridium_sensu_stricto(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGCCTTCGGATCGTAAAGCTCTGTCTTCGGGGAAGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGCTGGAAAGTCAGATGTGAAATACCGAGGCTTAACTTGGGGGCTGCATTTGAAACTGCTGTTCTAGAGTGCAGGAGAGGCAGGCGGAATTCCCGGTGTAGCGGTGAGATGCGTAGAGATCAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACTGTAACTGACGCTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4454;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9867),c:"Bacteroidia"(0.6346),o:"Bacteroidales"(0.3639),f:Bacteroidaceae(0.1098),g:Bacteroides(0.0204);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCACGTGAAGGTGACGGCCCTATGGGTCTTAAACTTCTTTTGTCTGGGAGCAATAAGGTGTTCGTGAACACCGATGAGAGGACCAGACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGCAGGTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGCCTGCTTGAGTGCGGCAGAGGCAGGCGGAATTTGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACTCCGATTGCGAAGGCAGCGTCCCGGGGCGGCACTGACGCTGAGGCACGAAAGTGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU4453;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Clostridiales_Incertae_Sedis_XIII(0.3204),g:Mogibacterium(0.0904);

ACGGAAGGCAGCAGTAGGGAATCTTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGCTGTAAACTTCTGTTCTTGGGGACGAAGGAAGTGACGGTACCCAAGGAGAAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTGCGTAGGTGGTTTTCTAAGCGTGAGGTTTAAGGCAGCGGCTTAACTGCTGTTCGCCTTGCGAACTGGAAGACTTGAGTGCAGGAGGGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGCGGCGAAGGCGGCTTTCTGGACTGCAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU4452;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Lachnospiraceae(0.0710),g:Clostridium_XlVa(0.0157);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATCTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGTTAGATAAGTTTGAGGTTAAATGCTTCTGCTCAACAGGAGTTTGCCTTGAAAACTGTCTGACTAGGATGTAAACGGCGCAGGCGGAATGAATCATGTAGCGGTGAAATGCATAGATATGCCACAGAACACCGATAGCGAAGGCAGCTGGCCGGGCCTGCATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU4455;tax=d:Bacteria(0.9450),p:Firmicutes(0.2586),c:Clostridia(0.0525),o:Clostridiales(0.0352),f:Clostridiales_Incertae_Sedis_XIII(0.0086),g:Mogibacterium(0.0043);

ACGGAAGGCAGCAGTTAGGAATATTGGGCAATGGAGGAAACTCTGACCCAGCAACGCCGCGTGAAGGATGAAGGTTCTCGGATTGTAAACTTCTGATCTGTGGAAAGAAACAAATGACGGTACCACAGTAGAAAGCGCCGGCAAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGAATAACTGGGCGTAAAGGGAACGTAGGTGGCGATTTAAGTGACATGTGAAAGCCCGGGGCTCAACTCCGTAATGTCATTTCATACTGGATTGCTTGAGTGCAGGAGGGGTAAGCGTAATTCCTAGTGTAGCGGTTAAATTCGCTGACATTAGGAAGAACACCAGCGGCGAAGGCGGCTTACTGGACTGTACCTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACCGGATTAGATACCCTGGTA

>OTU4456;tax=d:Bacteria(0.0058),p:"Proteobacteria"(0.0000),c:Alphaproteobacteria(0.0000),o:Rhizobiales(0.0000),f:Rhizobiaceae(0.0000),g:Kaistia(0.0000);

CTTGGTCATTTAGAGGAAGTAAAAGTCGTAACAAGGTCTCCGTTGGTGAACCAGCGGAGGGATCATTACCGAGTTTACAACTCCCAAACCCACTGTGAACTTATACCCAAAACGTTGCCTCGGCGGGCACAGCGGTACCCGAGCCCCCCGCAAGGGAGGCAGAGGCGCCCGCCCGCCAGGGGACCAAAACTCTTCTGTATACCCATAGCGGCATGTCTGAGTGGATTTAAAAACAAATGAATCAAAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGC

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ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGCGTGAGGGAAGACTGC
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GCGCGGGCCGTGGGTTAAGCGTGTCGTGAAAGTCCGTCGCTCAACCGCGGACGTGCGGCGCGAACTGGTACACTTG
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GCAGCTGACGGTAGCGCAACTGACGCTGAGGCTCGAAAGTACGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU4458;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Lachn
ospiraceae(0.1872),g:Clostridium_XlVa(0.0230);
ACGGAAGGCAGCAGTTGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGACTGAAGAAGTAT
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>OTU4459;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Clostri
diaceae_1(0.2184),g:Clostridium_sensu_stricto(0.0519);
AAGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGT
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520),f:"Prevotellaceae"(0.5632),g:Prevotella(0.1299);
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781),f:"Marinilabiaceae"(0.0252),g:Anaerophaga(0.0076);

CCCTCCTTCCTCCTTTCTTCCTATTGGTCCCTGGGCGGCAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGCCCTA
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GGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGC
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GCTCTTGCCGTGGGAGGAATGAGTAGTGTAGCGGTGAAATGCATAGATATTACTCAGAACACCGATTGCGAAGGCAT
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>OTU4463;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Rumin
ococcaceae(0.4563),g:Flavonifractor(0.0326);
AGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCT
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>OTU4464;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Lachn
ospiraceae(0.3204),g:Lachnospiracea_incertae_sedis(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGAAGAAGTA
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GTCAGGCGTGAAAACTATGGGCTTAACCCATAGCCTGCGTTTGAAACTGCGTAGCTTGAGTGAAGTAGAGGCAGATG
GAATTCCCGGTGTAGCGGTGGAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGATG
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>OTU4462;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Rumin
ococcaceae(0.1098),g:Clostridium_III(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
TTTCGGATTGTAAACCTCTGTCCTTAGGGACGAAGAAGTGACGGTACCTAAGGAGGAAGCTCCGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGTTGATT
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CGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTCTCTGGACTGT
AACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4465;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:Sphingobacteriia(0.9840),o:"Sphingobacteri
ales"(0.9889),f:Chitinophagaceae(0.9879),g:Terrimonas(0.7162);

GTGTCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTATCCGGATTCACTGGGTTTAAAGGGTGCGTAGGTGGGT
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CAGCGGAATATGTCATGTAGCGGTGAAATGCTTAGATATGACATAGAACACCAATTGCGAAGGCAGCTGGCTACTCG
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ococcaceae(0.0560),g:Saccharofermentans(0.0087);
CCTTTCTTCCTCCTTTTTGCCTCTTTTTCCCTGTTCTCCAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGGTCTTCG
GATTGTAAACCTTTGTAGACAGGGACGAAGAAATGACGGTACCTGTAAAGTAAGCCACGGCTAACTACGTGCCAGCA
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>OTU4468;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Rumin
ococcaceae(0.1485),g:Clostridium_IV(0.0181);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
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>OTU4467;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.2999),f:Rumin
ococcaceae(0.1291),g:Clostridium_IV(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGACGAAAGTCTGACCCAGCGACGCCGCGTGAGGGAAGAAGGT
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CCAGCAGCCGCGGTAATACGTAGGTGGCTAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGTGTAGGCGGGATTG
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>OTU4469;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Lachn
ospiraceae(0.2864),g:Clostridium_XlVa(0.0808);

ACGGGAGGCAGCAGTGGGTAATATTGCACAATGGGGGCAACCCTGATGCAGCGACGCCGCGTGAGTGAAGACGTA
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652),f:"Prevotellaceae"(0.1679),g:Alloprevotella(0.0204);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGCAAGGCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGC
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846),f:"Prevotellaceae"(0.3884),g:Prevotella(0.1735);
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395),f:"Prevotellaceae"(0.1679),g:Prevotella(0.0326);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGCGTGAGGGAAGACTGC
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GCGCAGGCGGTTGGTTAAGCGAGTCGTGAAAGTCCGTCGCTCAACGGCGGACGTGCGGCGCATACTGGGCCACTTG
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>OTU4471;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Rumin
ococcaceae(0.1872),g:Saccharofermentans(0.0157);

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109),f:"Marinilabiaceae"(0.0033),g:Anaerophaga(0.0028);
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0.9606),f:Actinomycetaceae(0.8864),g:Actinomyces(0.8124);
CTTTTCTTCCTCCTTTTGGCCTTTTTCCCCCTGGCCGCCCGTCTGATGCAGCGACGCCGCGTGAGGGATGGAGGCCTTC
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llales(0.8629),f:Pasteurellaceae(0.7428),g:Actinobacillus(0.1299);
ACGGAAGGCAGCAGTGGGGAATACTGCACAATGGGGGGAACCCTTATGCAGCCATGCCGCGTGAATGAAGAAGGC
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ococcaceae(0.1291),g:Saccharofermentans(0.0230);

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ospiraceae(0.0710),g:Lachnospiracea_incertae_sedis(0.0110);
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015),f:"Prevotellaceae"(0.0149),g:Alloprevotella(0.0056);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTAGCGTGCATGATGACGGC
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ococcaceae(0.3884),g:Clostridium_III(0.0712);
CCTTTCGGCCTCCTTTTGGTCTCTTTCCCCCTGGGGGGAACCCTGATGCAGCAACGCCGCGTGAAGGAAGAAGGTCTT
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ales"(0.2039),f:Sphingobacteriaceae(0.0904),g:Olivibacter(0.0087);

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3),f:Veillonellaceae(0.0113),g:Selenomonas(0.0056);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGG
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TGCTAAGTCTGGAGTGAAAGTCCTGCTTTCAAGGTGGGAATTGCTTTGGATACTGGCGTGCTGGAGTGTAGGAGAGG
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coccaceae_1(0.1872),g:Peptococcus(0.0519);
ACGGGAGGCAGCAGTGGGGAATCTTCCGCAATGGGCGAAAGCCTGACGGAGCAATGCCGCGTGAGTGAAGAAGGC
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>OTU4484;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Rumin
ococcaceae(0.0355),g:Clostridium_IV(0.0087);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGG
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GCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGTGTAGGCGGGGC
GGCAAGTCAGGCGTGAAAGTTATGGGCTTAAGCCAGAAAGTGCGTTTGAAACTGTTGTTCTTGAGTGTGGGAGAGG
TAAGCGGAATTCCTGGTGTAGTAGTGAAATGCGTAGATATCAGGAGGAACACCGGTGGCGAAGGCGGTTTACTGGA
CCATAACTGACGCTGAGACACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4485;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9605),c:"Bacteroidia"(0.8048),o:"Bacteroidales"(0.5
395),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0423);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAGTGGGCGGAAGCCTGAACCAGCCAAGCAGCGTGCAGGACGACGGC
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GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
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GAGTGCAGGCGACGTAGGCGGAATTCGGCGTGTAGCGGTGAAATGCTTAGATATGGGGAAGAACACCGATTGCGA
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>OTU4488;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Clostri
diaceae_1(0.3884),g:Clostridium_sensu_stricto(0.0808);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGTCGCGTGAGTGATGAAGGT
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>OTU4487;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Lachn
ospiraceae(0.0355),g:Clostridium_XlVa(0.0076);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAAGCCTGATGCAGCCACGCCGCGTGAGTGAAGAAGTA
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AGTTAGAAGTGAAAGTCCTAGTTTTAAGGTGGGAATTGCTTTGAATACTGCTAAGCTTGAGTGCAAGAGAGGAAAGC
GGAATTACCGGTGTAGAGGTGAAATGCGTAGAGATCAGTAGGAACACCAGTGGCGAAGGCGTCTTTCTGGTCTAAA
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>OTU4486;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Lachn
ospiraceae(0.1291),g:Clostridium_XlVa(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATCCAGCGACGCCGCGTGAGTGAAGAAGTA
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>OTU4489;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9719),o:Clostridiales(0.8737),f:Pepto
streptococcaceae(0.3204),g:Clostridium_XI(0.0904);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAAAGCCGCGTGAGCGATGAAGGC
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2),f:Spirochaetaceae(0.6709),g:Treponema(0.3915);
ATGGGAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGAACGAAGAAGGC
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AAGGGCATGTAGGCGGTTTTGCAAGCTTGGTGTGAAATCCATAGGCTCAACCTTTGAATTGCATTTAAAACTACAAGA
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>OTU4490;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:Sphingobacteriia(0.1740),o:"Sphingobacteri
ales"(0.0781),f:Sphingobacteriaceae(0.0252),g:Parapedobacter(0.0066);
CCTTCCTTCCTCCTTTCTTCCTCTTTTTCCCTGGCCGCCAGTCTGAACCAGCCATGCCGCGTGAAGGAATAAGGCCCTAT
GGGTCGTAAACTTCTTTTGTATGTGAGCAATAAGGTCCACGTGTGGTCCGATGAGAGTAGCATACGAATAAGCATCG
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>OTU4492;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Clostri
diaceae_1(0.4224),g:Clostridium_sensu_stricto(0.1735);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGGC
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GGAATTCCTAGTGTAGCAGTGAAATGCGTAGAGATTAGGACGAACACCAGTGGCGAAGGCGCATCTCTGGACTGTA
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>OTU4493;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Rumin
ococcaceae(0.1098),g:Clostridium_III(0.0157);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGTCGCGCGAAGGAAGACGGC
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GCCAGCAGCCGTGGCACTACGTAGGTTGCAAGCGTTGTACGGATGTACTGGGTGTAAAGGGCGTGTAGGCGGAGGA
GCAAGTCAGATGTGAAATCCATGGGCTTAACCTACGAACTGCATTTGAAACTGTTGGCCTTGAGTATCGGAGAGGCA
AGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACG
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>OTU4494;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9604),o:"Bacteroidales"(0.8
629),f:Bacteroidaceae(0.4563),g:Bacteroides(0.2607);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
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TCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGTAGGCGGGTGCTTAAGTGAGCCGTGAAAGTTTGGGGCTCAACGTTTAAATTGCATTTGGTACTGGCTGTCTTGAG
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>OTU4496;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9882),o:Lactobacillales(0.9389),f:Lactoba
cillaceae(0.8146),g:Lactobacillus(0.4351);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACGCCGCGTGAGCGAAGAAGGG
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GAAAGTCTCGGCTAACTACGTGCCAGCAGCTGCGGTAATACGTAGGAGGCAAGTGTTATCCGGATTTATTGGGCGTA
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>OTU4495;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Eubac
teriaceae(0.1098),g:Eubacterium(0.0204);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
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GTCTGGTGTGAAATCCCACAGCTTAACTGTGGATGGTCATTGGAAACTGGTAGGCTAGAGTGTGGTAGAGGCAAGT
GGAATTCCAAGTGGAGCGGTGGAATGCGTAGATATTTGGAGGAACACCAATGGCGAAGGCAGCTTGCTGGGCCATT
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>OTU4497;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Bacilli(0.9711),o:Lactobacillales(0.8412),f:Lactoba
cillaceae(0.5632),g:Lactobacillus(0.1735);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACATCGCGTGAGTGAAGAAGGG
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>OTU4498;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9507),c:Betaproteobacteria(0.5195),o:Burkholderi
ales(0.2679),f:Comamonadaceae(0.1098),g:Roseateles(0.0204);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGGGGGAACCCTGATCCAGCCATGCCGCGTGCGGGAAGACGGC
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TA

>OTU4499;tax=d:Bacteria(0.8319),p:"Bacteroidetes"(0.2586),c:"Bacteroidia"(0.0425),o:"Bacteroidales"(0.0
291),f:Prolixibacteraceae(0.0059),g:Prolixibacter(0.0035);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCCGAAGCAGCCATGCCGCGTGCAGGAAGAAGGC
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cillaceae(0.5273),g:Lactobacillus(0.1735);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGCAGCCACACCGCGTGTGTGAAGAAGGCT
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CGAGCGCAGGCGGTTGCTTAGGTCTGATGTGAAAGCCTTCGGCTTAACCGAAGAAGTGCATCGGAAACCGGGAGAC
TTGAGTGCAGAAGAGGACAGTGGAAATCCAGGTGTAGCGGTGGAATGCGTAGAGATATGGAAGAACACCAGTGGC
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>OTU4501;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9762),o:Clostridiales(0.9497),f:Clostridiaceae_1(0.5991),g:Clostridium_sensu_stricto(0.4351);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTTTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGAAGCCGCGGCAATATGCAAGTGGCGAGGGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTTTTAAGTGAGATGTGAAATACTCGGGCTTAACTTGGGTGCTGCATTTCAAACTGGAAGTCTAGAGTGCGGGAGAGGAGGAGGGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCGGTAGCGAAGGCGGTTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4503;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9572),c:Deltaproteobacteria(0.8614),o:Desulfovibrionales(0.6509),f:Desulfovibrionaceae(0.3544),g:Desulfovibrio(0.1299);
ACGGGAGGCAGCAGTGAGGAATATTGCTCAATGGGCGAAAGCCTGACCCAGCGACGTCGCGTGAGGGATGAAGGTCTTATGATCGTAAACCTGCGTCTGAAGGGGAGTAACTAGGGTGCTCTAATCCTCTTCCTACTGACGGTACCTTCAAAGGAAGCACCGGCCAACTCCATGCCAGCAGCCGCGGTAATACGTACGGTCCATGCGTTAATCGGAATCACTGGGCGTAAAGCGCACGTAGGCTGTTAAGTAAGTGAGGGGTGAAATGCCACGGCTCAACCGTTGAACTGCGCTGGGTACTGCACGACTTGAATCCGGGAGAGGGTGGCGGAATTCGAGGTGTAGGGGTGAAATCCGTAGATATCTGGAAGAACATCAGTGGCGAAGGCGGCCACCTGGGCCGGTATTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4504;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9791),o:"Bacteroidales"(0.9730),f:Bacteroidaceae(0.8864),g:Bacteroides(0.8124);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACGGCTCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGCACGTATACTGTTTTGTATGTATTATATGAATAAGGATCGGCTAATTCCGTGCCAGCGGCCGCGGTAATACGGAAGATCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGGTAAGTCAGTTGTGAAAGTTTGCGGCTCAACGGTTAACTTGCAGCTGATACTGTCCGACTTGAGTGCAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCTCACGGGAGTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU4502;tax=d:Bacteria(1.0000),p:Firmicutes(0.1707),c:Clostridia(0.0626),o:Clostridiales(0.0413),f:Peptococcaceae_2(0.0099),g:Desulfotomaculum(0.0046);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCCTAAGGGACGAAGGAAGTGACGGTACCTTAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGTGTAGGCGGCAGTATAAGTCCGGAGTGAAAGTCCTGCTTTCAAGGTGGGAATTGCTTTGGGGACTGTACAGTTTGATGGCGGAAAGGTTAGTGGAATTCCCCATTGTAGCGTTGAAAGGCGTAGAGATTGGGAGGAACCCCAGTGGCAAAGGCGCCTTCCTGGGCCTTAACTGACGCTGAGGCGCGAAAGCTTGGGGGCCAACCAGGATAGATACCCTGGTA

>OTU4505;tax=d:Bacteria(1.0000),p:Firmicutes(0.9994),c:Bacilli(0.9897),o:Lactobacillales(0.9685),f:Lactobacillaceae(0.9201),g:Lactobacillus(0.4787);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCTAGCCTGATCGAGCAACATCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTTCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCAGAAAGTCACAGCTAACTACGTGCCAGCAGCCGCGGCAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTGGTTAAGTCAGATGTGAAAGCTCGCGGCTTAACCGAAGAAGTGCATCGGAAACCGGGCGACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACACTGATGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU4506;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9572),c:Spirochaetia(0.8755),o:Spirochaetales(0.7252),f:Spirochaetaceae(0.5273),g:Treponema(0.2607);

ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGAACGAAGAAGGCCGGACGGGTGTAAAGTTCTTTTGAAACTGAAGAATAAGTATTGCAGGGAATGGCGATATGGTGACGGCAGGATTTGAATAAGCAACGGCTACTTACGTGCCAGCAGCCGCGGTAACACGTAAGTTGCGAGCGTTGTTCGGAATTATTGGGCGTAAAGGGCATGTAGGCGGTTTTGTAAGCGTGATGTGAAATACATAGGCTCAACCTATGTGCTGCATTGAAAACTACAAGACTTGAGTTACTGAGGTGAGACTGGAATTCCAAGTGTAGGGGTGAAATCTGCAGATATCTGGAAGAACACCAATGGCGAAGGCAAGTTTCAAGCAGATAACTGACGCTGAGGTGCGAAGGTGCGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU4508;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9882),o:Lactobacillales(0.9280),f:Lactobacillaceae(0.9015),g:Lactobacillus(0.4351);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTGTAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTCTTGGGCGTAAAGCTAGCGCGGGCGGTTGATTAGGTCTGATGTGAAGGCCTTCGGGTGAACCGAGGAAGTGCGTCGGAAGCCGGGCGACTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTAGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACACTGGTA

>OTU4507;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9474),c:Gammaproteobacteria(0.8331),o:Gammaproteobacteria_incertae_sedis(0.3319),g:Solimonas(0.0423);

GTGTCAGCAGCCGCGGTAATACAGAGGGTGCAAGCGTTAATCGGATTTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCGTTAGTCGGATGTGAATGCCCGGGGCTCAACCTCGGAACTACATTCGATACTGCGAGACTAGAGTTCGGTAGAGGGCGGCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACATCAATGGCGAAGGCAGCCGCCTGGGCCTGAACTGACACTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTAGTCCACGCCGTAAACG

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3),f:Veillonellaceae(0.5632),g:Anaerovibrio(0.2171);
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ospiraceae(0.0904),g:Clostridium_XlVa(0.0181);
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959),f:"Porphyromonadaceae"(0.1291),g:Coprobacter(0.0204);
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473),f:Prolixibacteraceae(0.0113),g:Prolixibacter(0.0056);
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cillaceae(0.8146),g:Lactobacillus(0.3915);
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821),f:Bacteroidaceae(0.9387),g:Bacteroides(0.9705);
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diaceae_1(0.2524),g:Clostridium_sensu_stricto(0.0712);
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TCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGTAGGTGGACTGGTAAGTGAGTTGTGAAAGTTTGCGGCTCAAGCGTAAGATTGCAGTTGATACGGGCAGTCGTGA
GTACAGTAGAGGTGGGGGGAAGTCGTGGTGTAGCGGTGAAATGCTGAGATAGCGGGAAGAACTCCGGTGGCGAAG
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>OTU4589;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Lachn
ospiraceae(0.1485),g:Clostridium_XlVa(0.0326);

ACGGAAGGCAGCAGGGGGGGATATTGCACAAAGGGGGAAACACTAATGGAGCGAAGCCGCGTGAGTGAAGAAGT
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AGCAGCCGCGGGAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGATGC
AAGTCTGGAGTGAAAGCCCAGGGCTCAACCCTGGGACTGCTTTGGAAACTGTATGGCTAGATTGCTTGAGAGGTAAG
TGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATTTTATTATGATCACCCGTCGCCAACGCAGCTTACTGCACTTTAAC
TGACCTTCGCTCTCGCAAGCGTCGGGAGCAAGCAGGATTAGATACCCTGGTA

>OTU4592;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9321),o:"Bacteroidales"(0.8
412),f:Bacteroidaceae(0.4563),g:Bacteroides(0.2607);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
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GCGTAGATGGATGTTTAAGTCAGTGTGGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGGCGTCTTGG
GTACAGTAGAGGCAGGGGAAATTCGTGGGGTAGGGGTAAAATGCTTAGATATCACGAAGAACCCGGATTGCGAAG
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>OTU4591;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Bacilli(0.9840),o:Lactobacillales(0.8737),f:Lactoba
cillaceae(0.5991),g:Lactobacillus(0.2171);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGAAAGCCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGG
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AAAGTCTCGTTTAATTCCGTCCCACCAGCCGCGGCAAAAGGTAGGGGCCAAGTGCTATCCGGATTTATTGGGCGTAA
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ACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGG
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>OTU4593;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.9
606),f:"Prevotellaceae"(0.8864),g:Prevotella(0.5239);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
CCTATGGTTTGTAAACTGCTTTTTTAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCTGGTACCCTATGAATAAGG
ACCGGCTAATTCCGTGCCAGCAGCCGCGGTATTTCGGAAGGTCCGGGCTTTATCCGGATTTATTGGGTTTAAAGGGA
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685),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
CCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGGATACCCGTTTGCATGTACTTTATGAATAAGG
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>OTU4596;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9784),o:Lactobacillales(0.9606),f:Lactoba
cillaceae(0.8864),g:Lactobacillus(0.5239);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
TTTCGGCTCGGAAATCTCTTTTGTTGGAGAAGCACGAGCGTGAGAGTAACTGTTCACGGAGTGACGGTATCCAACCA
GAAAGTCACAGCTAACTGCGTGCCAGCAGCGGAGGTAATACGTAGGTGGCACGCTTTATCCGGATTTATTGGGCGTA
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>OTU4594;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Bacilli(0.4045),o:Lactobacillales(0.1719),f:Lactoba
cillaceae(0.0710),g:Lactobacillus(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCACGCCGCGTGTATGAAGAAGGC
CTTCGGGTTGTAAAGCACTTTCAGCGGGGAGGAAGGGAGTAAAGTGAATACCTCTGTTCATTGACGTTACCCGCAGA
CGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTATTGGGCGTA

AAGCGAGCGCAGGCGGTGGCGTAGGTCTGATGTGAAAGCCTTCGGCTTAACCGAGGAAGTGCATCGGAAACCGGG
CAACTGGAGTGCAGGAGAGGACAGTGGAACTCCAGGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAGT
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GTA

>OTU4597;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.9606),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCAAAGTAGCGTGAAGGATGAAGGC
TCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGGATGTATACTGATTTGTATGCATTATATGAATAAGGA
TCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGTAGGTGGACTGGCAAGTCAGTTGTGAAAGTTGGCGGCTCAACCGAAAAACTGCAGTTGATACTGTCAGTCTTGAG
TACAGTAGAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATAGCGAAGAACACCGGTTGCGAAGGC
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>OTU4599;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.8087),c:Spirochaetia(0.5579),o:Spirochaetales(0.2999),f:Spirochaetaceae(0.1485),g:Treponema(0.0157);

ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGAGGAAACTCTGACGGAGCGACGCCGCGTGGATGATGAAGGT
CTGCAGATTGTAAAATCCTTTTATGACTGAGGAATAAGTGCGTTGAGAGAAACGGCGTCTGGTGACTGTAGGTCATG
AATAGGCAACGGCTAATTACGTGCCAGCAGCCGCGGTAACACGTAAGTGGCGAGCGTTGTTCGGAATTATTAGGCGT
AAAGGGAATGTAGGCGGTAGTGCAAGGCTGGTGTGAAAGGCGGGGGCTCAACCCCTGGACTGCGCTGGGAACTGA
ATTACTAGAGTCGCTGAGGGGCAATCAGAACTCCAGGTGTAGGGGTGAAATGTGTAGATATCTGGAAGAACACCAA
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TGGTA

>OTU4598;tax=d:Bacteria(1.0000),p:Firmicutes(0.9994),c:Bacilli(0.9776),o:Lactobacillales(0.9497),f:Lactobacillaceae(0.8864),g:Lactobacillus(0.4787);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
TTTCGGCTCGTAAAGCTCTGTTGTCGGTGAAGAACGTGCGAGAGAGTAACTGTCCATGCTTTGACGGTATCCAACCAG
AAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAA
AGCGAGCGCAGGCGGCTGCTTAAGTCTGACGTGAAAGCCCTCGGCTTAACCGAAGAAGTGCATCGGAAACTGGGTG
TCTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGG
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>OTU4600;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Ruminococcaceae(0.3884),g:Clostridium_IV(0.0230);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
TTTCGGGTTGTAAACTTCTTTTAAGAGGAAAGAGCAGAAGACGGTACCTCTAGAATAAGCCACGGCTAACTACGTGC
CAGCAGTCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGCAGCCGGGTCTGC
AAGTCAGATGTGAAATCCATGGGATCAAAGCATGAACAGCAGTTGAAACTGTAGATCTGGAGTGGGGGAGGGGCAA
TCGGAAGTCCTGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACAACAGTGGCGAAGGCGGATTGCTGGACG
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>OTU4602;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9867),c:Betaproteobacteria(0.8755),o:Burkholderiales(0.6881),f:Sutterellaceae(0.4563),g:Sutterella(0.2607);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCGAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
CTTCGGGTTGTAAAGCACTTTCAGACGGGAGGAGAATGACGTTACCCTCAGAAGAAGCACCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGTGCGCAGGCGGTTCTGTAA
GACAGATGTGAAATCCCCGGGCTTAACCTGGGAATTGCATTTGTGACTGCAGGACTAGAGTTCATCAGAGGGGGGT
GGTATTCCAAGTGTAGCAGTGAAATGCGTAGATATTTGGAAGAACACCAATGGCGAAGGCAGCCCCCTGGGATGCG
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>OTU4601;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Ruminococcaceae(0.0252),g:Ruminococcus(0.0076);
CCTTCCTTCCTCCTTTTTGCCTCTTCTTCCCTTTTCTCCAGCCTGACCTAGCAACGCCGCGTGAGGGAAGAAGGTCTTCG
GATTGTAAACCTCTGTCCTTGGTGAAGAACACAATGACATTAGCCAAGGGAGAAAGCTCCGGCTAACTACGTGCCAG
CAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGTAGGCTAA
GTTGGATGTGAAATACCTGGGCTTAACTTGGGGGCTGCATTCAAAACTGGTTTACTAGAGTTCAGGAGAGGGAAGCG
GAATTCCTAGTGTAGCGGTAAGATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTTCTGGACTGACA
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>OTU4603;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Ruminococcaceae(0.1872),g:Clostridium_III(0.0204);
CCTTCCTTCATCATTTTTGACTATTGGGCCCTGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCTT
CGGGTTGTAAACTTCTTTTAAGAGGGACGAAGGACGTGACGGTACCTCTTGAATAAGCCACGGCTAACTACGTGCCA
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GTCAGATGTGAAATCTAGGGGCTTAACCCCTAAACTGCATTTGAAACTGTATTTCTTGAGTGTCGGAGAGGTTGACGG
AATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGTGGTCAACTGGACGATAAC
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>OTU4604;tax=d:Bacteria(0.9073),p:"Bacteroidetes"(0.6036),c:"Bacteroidia"(0.0525),o:"Bacteroidales"(0.0352),f:Prolixibacteraceae(0.0086),g:Meniscus(0.0043);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGC
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CATCGGCTAACTCCGTGCCAGCAGCCGCGGTACTACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGG
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CATCTCACGAAGGGCCGATTGACGCTGAGCCACAAAAGCGTGGGTAGCGAACAGGATGAGAAACCCTGGTA
>OTU4605;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Clostridiaceae_1(0.0252),g:Clostridium_sensu_stricto(0.0076);
ACGGGAGGCAGCAGTGGATTAGATACCCTGGTAAGATCGGAAGAGCACACGTATGAACTCCAGTCACCTACCGGCCT
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GAGATGTGAAATACTCGGGCTTAACCTGAGTGAGGCAGGTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAAGG
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>OTU4606;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Erysipelotrichia(0.6730),o:Erysipelotrichales(0.3959),f:Erysipelotrichaceae(0.2184),g:Turicibacter(0.0615);
ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGAATGATGAAGGC
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>OTU4607;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.8808),c:Fusobacteriia(0.7114),o:"Fusobacteriales"(0.4280),f:"Fusobacteriaceae"(0.2524),g:Fusobacterium(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGACCAAAAGTCTGATCCAGCAATTCTGTGTGCACGATGAAGTT
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GCCAGCAGCCGCGGTAATACGTATGTCGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGCATGTAGGCTGTATGG
CAAGTTGGAGGTGAAATCCCACGGCTCAACCGTGGAACTGCCTTCAAAACTACCGAACTGGAGTGCGAGAGAGGAT
AGCGGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGGCGAAGGCGGCCCCCTGGAC
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>OTU4608;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Ruminococcaceae(0.3204),g:Clostridium_III(0.0712);

ACGGGAGGCAGCAGTGGGGAACACTGCGCAATGGGGGGAACCCTGACGCAGCAACGCCGCGTGAAGGAAGAAGG
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GCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGGCA
GCAAGTCAGTCGTGAAATACCGGAGCTTAACTCCGGGGCTGCGATTGAAACTGTTGTTCTTGAGTGTCGGAGAGGAA
AGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACG
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>OTU4611;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Bacilli(0.9840),o:Lactobacillales(0.8629),f:Lactobacillaceae(0.5632),g:Lactobacillus(0.3043);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGGGAGTGAAGAAGGG
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>OTU4609;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9887),o:Lactobacillales(0.9497),f:Lactobacillaceae(0.9015),g:Lactobacillus(0.6681);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTA
AAGCGAGCGCAGGCGGTTTGATAAGTCTGATGTGAAAGCCTTTGGCTTAACCAAACAAGTGCATCGGACACTGTCCG
ACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTTTAGCGGTGGAATGCGTAGACATATGGAAGACCCCCAGTGG
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>OTU4610;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9834),o:"Bacteroidales"(0.9866),f:Bacteroidaceae(0.9480),g:Bacteroides(0.9724);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
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GCGTAGGCGGGTGCTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGACGCCTTGA
GTGCAGCATAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGG
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>OTU4614;tax=d:Bacteria(0.0041),p:"Actinobacteria"(0.0000),c:Actinobacteria(0.0000),o:Actinomycetales(0.0000),f:Pseudonocardiaceae(0.0000),g:Actinoalloteichus(0.0000);

TCTCCTGTGCATTTAAAAGAAGATCTCGCCCAAACGCGCAAACGGGGTTATTCATTTGACGATGAGGAACATGCACTGGGGCTACGTTGCCTTGCAGCGTGTATTTTCGATGAGCACCGCGAACCGTTTGCCGCAATTTCAATTTCCGGACCGATTTCACGTATTACCGATGACCGCGTGACCGAGTTTGGCGCGATGGTGATTAAAGCGGCGAAGGAAGTGACGCTGGCGTACGGTGGAATGCGCTGACTTTTTCTGGCGGGCAGAGGCAATATTCTGCCCATCATACCTGAGTGGCAATAGAATAAGCGTGTCTGTTAATCGCATTGACGCCAAAATAACTTAATGTCATACACTTCACACACTTTTATTAACTCAGCATTATTTTTAA

>OTU4612;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Erysipelotrichia(0.8614),o:Erysipelotrichales(0.6881),f:Erysipelotrichaceae(0.4914),g:Turicibacter(0.3043);

ACGGAAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGTCGCGTGAATGAAGAAGGCCCTAGGGGTGTAAAATTATGTTATAAGGGAAGAACGACTTCAGTAGGAAATGGCTAGAGAGGGACGGTATCTAAAGAGAAAGCCACGGCCAACTACGGGCCAGCAGCCGAGGTAATACGTAGGGGGCGAGCGTTATCCGGAATTATTGGGCGTAAAGAGCGCGCAGGTGGTTGATTAAGTCTGATGTGAAAGCCCGCGGCTTAACCGTGGATGGTCCTTGGAAACTGGTCGACTTGAGTGCATAAGAGGTAAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGAGATATGGAGGAACACCGGTGGCGAAGGCGGCTTCCTGGTCTGTAACTGACACTGAGGCGCGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU4613;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.7727),c:Fusobacteriia(0.4812),o:"Fusobacteriales"(0.2359),f:"Fusobacteriaceae"(0.1098),g:Fusobacterium(0.0181);

ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGTCTTCGGATTGTAAAGTTCTTTTATTAAGGACGAAGAAGTGACGGTACTTAATGAATAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGCGTCTAGGCGGTTTGGTAAGTCTGATGTGAAAATGCGGGGCTCAACTCCGTATTGCGTTGGAAACTGCCAAACTAGAGTACTGGAGAGGTGGGCGGAACTACAAGTGTAGAGGTGAAATTCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU4615;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Ruminococcaceae(0.2184),g:Clostridium_IV(0.0519);

ACGGGAGGCAGCAGTAAGGGATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTTTTTAGTGAAGAAACAAATGACGGTAGCTAAAGAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGCAGGCGGGATTGCAAGTTGGATGTGAAATACCGGAGCTCAACTCCGGAGCTGCATCCAAAACTGTAGTTCTTGAGTGAAGTAGAGGTAGGCGGAATTCCGAGTGTAGCGGTAAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGGCTTTAACTGACGCTGAGGCACGAAAGCATGGGGAGCAAACAGGATTAGACCCTGGTA

>OTU4617;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9992),c:Betaproteobacteria(0.9321),o:Burkholderiales(0.8303),f:Sutterellaceae(0.5991),g:Sutterella(0.4351);
ACGGGAGGCAGCAGTGGGGAATTTTTTACAATTGGGGCAACCCTGATCCAGCCATGCCGCGTTCATTATTAATTCCTTCGGGTTGTAAACTGCCTTTGTCATGGACGAAAAGGACCGTGTTAATACCATGGTCTGCTGACGGTACCTGAAGAATAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGTGCGCAGGCGGTTCTGTAAGCAAGATGTGACAGCCCCGGGCTCAACCTGGGAATTGCATTTGTGACTGCAGGACTAGAGTTCATCAGAGGGGGGTGGAATTCCAAGTGTAGCATTGAAATGCGTAGATATTTGGAAGAACACCGATGGCGAAGGCAGCCCCCTGGGATGCGACTGAAGCTCATGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACACTGGTA
>OTU4616;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9995),c:Alphaproteobacteria(0.9877),o:Rhizobiales(0.9707),f:Phyllobacteriaceae(0.9015),g:Phyllobacterium(0.8124);
ACGGAAGGCAGCAGTGGGGAATATTGGACAATGGGCGCAAGCCTGATCCAGCCATGCCGCGTGAGTGATGAAGGCCCTAGGGTTGTAAAGCTCTTTCACCGGTGAAGATAATGACGGTAACCGGAGAAGAAGCCCCGGCTAACTTCGTGCCAGCAGCCGCGGTAATACGAAGGGGGCTAGCGTTGTTCGGATTTACTGGGCGTAAAGCGCACGTAGGCGGACTATTAAGTCAGGGGTGAAATCCCGGGGCTCAACCCCGGAACTGCCTTTGATACTGGTAGTCTTGAGTTCGAGAGAGGTGAGTGGAATTCCGAGTGTAGAGGTGAAATTCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTCACTGGCTCGATACTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4618;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9704),c:Gammaproteobacteria(0.9180),o:"Enterobacteriales"(0.6509),f:Enterobacteriaceae(0.4563),g:Escherichia/Shigella(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGACGCAGCCACGCCGCGTGTATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGCGTAAAGTTAATACCTTTGCTCATTGAGGTTACCCGCAGAAGAAGCACCGGCTAACTCCGTGCGAGCAGCCGCGTTAATACGGATGGTGCAAGCGATAATCGGAATTACTGGGCGTAAAGCGCACGCAGGCGGTTTGGTAAGTCAGATGTGAAATCCCCGGGCTCAACCTGGGAACTGCATCTGAGACTGTCGAGCTTGAGTATCGTAGAGGGAGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACTGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4620;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9180),o:"Bacteroidales"(0.8303),f:"Prevotellaceae"(0.4914),g:Prevotella(0.1299);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTGGGCCACGCGTGGCGTTTTGCAGGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCAGACTGGTAAGCGTGATGTGAAATGCAGCCGCTCAACGGCTGAACTGCATCGCGAACTGGCCATCTTGAGTGCGAGCGAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCTTACGGGTGCGTAACTGACGCTGATGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU4619;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Rumin
ococcaceae(0.0710),g:Clostridium_IV(0.0087);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGGT
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CAAGTCAGATGTGAAAATTATGGGCTGAACCCATAACCTGCAGTTGAAACTGTCGGTCTTGAGTGTCGGAGGGGTAA
ATAGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAATACCGGTGGCGAAGGCGATTTACTGGACGA
CAACTGACGCTGAGACACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU4621;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachn
ospiraceae(0.4224),g:Clostridium_XlVa(0.1299);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
TTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGAAGCA
AGTCAGCTGTGAAGACTATGGGCTCAACCCTTAAACTGCAGTTGAAACTGTTATTCTTGAGTGGAGTAGAGGCAAGC
GGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTA
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>OTU4622;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.9
063),f:"Prevotellaceae"(0.6709),g:Prevotella(0.4351);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCGGGGGGTTAAGCGTGTTGTGAAATGTCGTGGCTCAACCTCTGCGCTGCAGCGCGAACTGGTCTGCTTGA
GTACGCACAACGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGG
CAGCTCACGGGAGCGTAACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU4623;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9755),o:Clostridiales(0.9389),f:Lachn
ospiraceae(0.7787),g:Roseburia(0.5239);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
TTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAAAAATGACGGTACCCGACTAAGAAGCACCGGCTAAATACGTG
CCAGCAGCCGCGGTAATACGTATGGTGCAAGCGTCATCCGGAATTACTGGGTGTAAAGGGGGCGCAGGCGGTTCGG
CAAGTCTGATGTGAAAGCCCGGGGCTCAACCCCGGTACTGCATTGGAGACTGTCGTACTAGAGTGTCGGAGAGGTA
AGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACG
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>OTU4626;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9719),o:"Bacteroidales"(0.8846),f:"Prevotellaceae"(0.5991),g:Prevotella(0.3479);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTCGCGTGCAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTGTAGGGGGATAAAGTGCGCGACGTGTGCCATATTGCAGGTACCCGTTGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTTATAAGTGTGTTGTGAAATGTCGGGGCTCAACCTGGGAATTGCAGTGGGAACTGGGAGGCTTGAGTGCGGAGGAAGTAGGCGGAATGCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGGGGCGTAACTGACGCTGAGGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU4625;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Lachnospiraceae(0.2184),g:Clostridium_XlVa(0.0519);

ACGAAGCAGCAGTGGGGGATATTGCACAATGGGGGGAACCCTGATGCAGCGGCGCCGCGTGGGTGAAGGAGCGTTTCGGCGCGTAAAGCCCTATCGGCAGTGAAGAAGATGACGGTACCTGACCAAGAAGCCCCGGCTAACTACGTGCCAACAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAGAGGGGGCGCAGACGGCAATGCAAGCCAGGAGTGAAAGCCCGGGGCCCAACCCCGGGACTGCTCTTGGAACTGCATGGCTGGAGTACAGGAGGGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGCGGCGAAGGCGGCCTGCTGGACCGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU4624;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Peptostreptococcaceae(0.1291),g:Clostridium_XI(0.0230);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCAACGCCGCGTGAAGGAGGAAGGCCCTTGGGCCGTAAACTTCTGTTCTGGGGGAAGACGGTGACGGTACCCCAGGAGCAAGTCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGAATCATTGGGCGTAAAGGGTGCGTAGGCGGCTACCCAAGCAGGGGGTATAAGGCCATGGCTCAACCATGGACCGCCCCCTGAACTGGGCGGCTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGCAACTGACGCTGAGGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU4627;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9540),c:"Bacteroidia"(0.8048),o:"Bacteroidales"(0.5395),f:"Porphyromonadaceae"(0.3544),g:Odoribacter(0.0808);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGTCGAGAGACTGACCCAGCCAAGTCGCGTGAGGGATGACGGCCCTGTGGTTTGTAAACCTCTTTTGTCTGGGGGGAATAAGCATTACGTGTAATGCGATGACAGTACCATACGAATAAGCATCGGCTCACTCCTTGCCAGCAGCCGCGCTAATACGGAAGATGCTGGCGTTATCCGGATTTTTTGGGTTTAAAGGGTGCGTAGGCGGCATTATAAGTTAGTGGTAAAATTTTGGGGCTTAACCTTATTGTGCAATTAATACTGTAGAGCTAGAGAGCAGACGAGGTAGGCGGGATAAGTTAAGTAGCGGTGAAATGCATAGATATAACGTAGAACTCCGATAGCGAAGGCAGCTTACCAGGCTGAGTCTGACGTTGATGCACGAGAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU4630;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Rumin
ococcaceae(0.5632),g:Clostridium_IV(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
TTTCGGGTTGTAAACTTCTTTTCTCAGGGACGAAGCAAGTGACGGTATCTGAGGAATAAGCAACGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGAAAG
CAAGTCAGATGTGAAAACCATGAGCTCAACCGGTGGCCTGCATTTGAAACTGGTTTGCTTGAGTACTGGAGAGGCAG
ACGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGGTCTGCTGGACAG
CAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4628;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Bacilli(0.2902),o:Lactobacillales(0.1249),f:Lactoba
cillaceae(0.0457),g:Lactobacillus(0.0110);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
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GCAGCCGCGGTAATATGTAGGGGGCAAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCATGTAGGCGGTTTTGCAA
GCTTGGTGTGAAATGCATAGGCTCAACCTATGAACTGCATTGAGAACTACAAGACTTGAGTTACTGAGGTGGAACTG
GAATTCCAGGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAGTGGCGAAAGCGGCTCTCTGGTCTGTAA
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>OTU4629;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.5174),c:"Bacteroidia"(0.2902),o:"Bacteroidales"(0.1
249),f:"Prevotellaceae"(0.0457),g:Prevotella(0.0087);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGC
CTTATGGGTTGTAAACTGCTTTCAGTCGGGAATAATTCGTCGGTCGTGACCGACGTTGCAGGTACCGTCATAAGAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCGGCACGTCAAGCCAGATGTGAAAGCCCGGGGCTTAACCCCGTGTATTGCATTTGGAACTGGCGAGCT
AGAGTGCAGGAGGGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCG
AAGGCGGCTTGCTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4631;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Rumin
ococcaceae(0.3884),g:Clostridium_IV(0.0615);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGATGCCGCGTGAATGAAGACGGC
CTTCGGGTTGTAAAGTTCTGTCGCAGGGGACGAAAATGACGGTACCCTGCAAGAAAGCTCCAGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGAGGATA
AGTTGAATGTGAAATCTATGGGCTCAACCTATAGCTGCGTTCAAAACTGTTCTTCTTGAGTGAAGTAGAGGCAGGCG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGATAA
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>OTU4632;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9802),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.3959),f:Bacteroidaceae(0.1291),g:Bacteroides(0.0230);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGTAAGGCTGAACCAGCCAAGTAGCGTGAAGAATGACCGCCCTATGGGTTGTAAACTTCTTTTATAAAGAAATAAAGTCGCCTACGTGTAGGTGTTTGTATGTACTCTATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGCAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGACGGGCTGTTAAGTCAGCTGTGAAATGCCGCGGCTCAACCGTGGACCTGCAGTTGATACTGGCGGCCTTGAGTGCGGTTGAGGCAGTCGTAATTCGTGGTGTAGCGGTGACATGCTTAGACATCACGACGAACCCCGATTGTCATGCCAGCCTGCCAAGCCGTTACTGACGTTCATGCTCGCAGCTGCGGGTAGCACACAGGATTAGATACCCTGGTA

>OTU4634;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.6138),f:"Prevotellaceae"(0.3204),g:Prevotella(0.0423);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGCCCTATGGGTTGTAAACTGCTTTTTCGCGGGGATAAAGAGGGGGATGCGTCCCCCGTTGCAGGTACCGCGTGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATCCGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGTATTGTAAGCGCGTTGTGAAATGCCGTGGCTTAACGATGGCACTGCAGTTCGAACTGACGTACTTGAGTACGCTGGAGGGAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGAGATCACGAAGAACCCCGATTGCGAAGGCAGCCTACCGTAGCGGAACTGACGCTGAGGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU4633;tax=d:Bacteria(1.0000),p:Firmicutes(0.3448),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Lachnospiraceae(0.0149),g:Cellulosilyticum(0.0066);

ACGGGAGGCAGCAGTCGGGAATATTGCGCAATGGAGGAAACTCTGACGCAGTGACGCCGCGTATAGGAAGAAGGTCTTCGGATTGTAAACTATTGTCGTTAGGGAAGATACAAGACAGTACCTCAGGAGGACGCTCCGGCTCACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCCCGCGTTATCCGGATTTATTGGGTGTAAAGGGTGCGTAGACGGGACAACAAGTGAGTTGTGAAATCCCTCGGCTTAACTGAGGAACTGCAACTAAAACTATTGTTCTTGAGTGTGGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTACGGGACAATTACTGACGCTGAGGCTCGAAAGCGCGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU4637;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9933),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.5766),f:"Porphyromonadaceae"(0.3544),g:Odoribacter(0.0808);

ACGGAAGGAGCAGTGAGGAATATTGGTCAATGGCCGGAAGGCTGAACCAGCCAAGTCGCGTGAGGGACGACTGCCCTATGGGTTGTAAACCTCTATTATAAGGGAAGAATAAATGCTACGTTAAGCATGATGCCTGTACCTTATGATTAAGCATCGGCTACCTCCGTGCAAGCACCCGCGTTAATACGAAGGAGGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTTTTTTAAGTTAGTGGTTAAACGTCGGGGCTTCACCTTGATTTGCCATTAATACTGTAAGACTCGAGTTCAGACGAGGTAGGCGGAATAAGTTAAGTAGCGGTGAAATGCTTAGATATAACTTAGAACTCCGATAGCGAAGGCAGCTTACCAGACTGCGACTGACGCTGAAGCACGAGAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU4635;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.5766),f:"Rikenellaceae"(0.3544),g:Alistipes(0.0808);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCATGCCGCGTGCAGGATGACGGCCCTATGAGTTGTAAACTGCTTTTGTACGGGGGTAAACTCCGATACGTGTCCCGGGTTGTAGGTATCGTACGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGATTGTTAAGTTAGACGTGAAATGTAGGGGCTCAACGGCGGAACTGCCTCGAATACTGGTGGACTAGAGAGAAGTTGAGGTAAGCGGAATGTATGGTGTAGCGGTGAAATGCTTAGAGATCATAAAGAACACCGATTGCGAAGGCAGCTGACGAAACTATATCTGACGTTGAGGCACGAAAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU4636;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Eubacteriaceae(0.0252),g:Acetobacterium(0.0076);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGGGAAACCCTGACGCAGCGATGCCGCATGAGTGAAGAAGGGACTCGTTCCGTAAAGCTTTGTCCCGGGGGAAGAGATAAGACGGTACCCCGGTAACAGCCCCAGCTAACTACGTGCCAGCAGCTGCGGTAACACGTGGGGGGCGAGCGTTGTCCGGAATTATTGGGCGTAAAGGGCACGCAGGCGGTTTTTTAGGCTGTCGATTAAAGTGCTGGGCTCAACCCAGTGATGCTTGGCAGAACCGAAAGACTCGAGTGCCAGAGAGGCAGGCAGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGACTGCTGGGCTTTAACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4638;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Eubacteriaceae(0.3204),g:Eubacterium(0.0904);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAGGAAGTATTTCGGTATGTAAAGCTCTCTCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGACGGAATTGCAAGTCTGATGTGAAAATCCGGGGCCCAGCCCCGGAACTGCATTGGAAACTGTATTTCTAGAGTGTAGGAGAGGAAAGTGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATCAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAGACAGGATTAGATACCCTGGTA
>OTU4640;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Lachnospiraceae(0.1485),g:Eisenbergiella(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTAACTCTGTATGTAAAGCTCTTTCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGTGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGCTGCAAGTCCGGAGTGAAAGCCCATGGCTTAACCGTGGTACTGCTCTGGAAAATGGGGAGCTTGAGGGCGGGAGGGGCAGGCGGAAATCCGAGGGTAGCGGGGAAATGCGTAGATATTAGGAGGAACACCGGCGGGGAGGGCGGCCTGCTGGACCGTAACTGACGTTGAGGCTCGAAAGCGTAGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU4639;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8755),o:"Bacteroidales"(0.7252),f:"Porphyromonadaceae"(0.3884),g:Barnesiella(0.0712);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAGTACTGCCCTACGGGTTGTAAACCTCTTTTGCCGGGGAGCAACGGGCGCCACGTGTGGCGCCACTGAGAGTACCCGGAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGATTTTTAAGTCAGCGGTAAAATGTCCGGGCTCAACCCGGGCCGGCCGTTGAAACTGGGGATCTTGAGTGGGCGAGAAGTATGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACCCCGATTGCGAAGGCAGCATACCGGTGCACAACTGACGCTCAGGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU4641;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9798),o:"Bacteroidales"(0.9753),f:Bacteroidaceae(0.9201),g:Bacteroides(0.9566);
ACGGGAGGCAGCAGTGAGGAATATTGTTCAATGGGCGCTAGCCTGAACCAGCCAAGTCGCGTGAAGGATGAAGGCTCTATGGGGCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTATGTATACTGTTTTGTATGTATTATATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGGTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGTCAGTCTTGAGTACAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAAGTCCGAGCGCGAACGGAGCTCACCGGACTGTCACTGACCGTGACGCTCGAAAGCGTGGGGAGGAAACAGGATTAGATACCCTGGTA
>OTU4643;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Lachnospiraceae(0.0904),g:Coprococcus(0.0134);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTATCTCGGTATGTAAACTTCTATCAGCAGGGACGATAATGGCGGTACCTGACTATGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGCAATACGTAGGGGGCAAGCGTTATCCGGATTTATTGGGTGTAAAGGGAGCGTAGGCGGTCTGGTAAGTCAGCTGTGAAAACGCTGGGCTCAACTCCTCGACTGCATTTGATGCTGTTGGACTTGAGTGCACGCAGGGATGCCGGAATTCATAGTGTAGCGGTGAAATGCTTAGATATCATGAAGAACTCCGATCGCGAAGGCAGGCTTCCGGAGTGCTACTGACGCTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU4644;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Lachnospiraceae(0.1679),g:Eisenbergiella(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGAGGGAAACCCTGATGCAGCGACGCAGCGTGAGTGAAGACGTATTTAGGTATGTAAAGCTCTATCAGCAGGGAAAAAAATGACGGTACCTGAATAAGAAGCAACGGATAACTACGTGCCAGACGCCGCGGTTATACGTAGGGGGCCAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTTTGCAAGTCTGACGTGAAAATCCGGGGCTAAACCCCGGAACTGCGTTGGAAACTGTGAGGCTTGAGTGCCTGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCTTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGCAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU4642;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Lachnospiraceae(0.0355),g:Clostridium_XlVb(0.0087);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGTTTTCGGATTGTAAACCTCTGTTTTCGGTGACGAACAAATGACGGTAACCGAGTAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGTAGGTGGTAAGGCAAGCCAGAAGTGGAAGCCCGGGGCTCAACCCCGAGGACTGCTTTTGGAACTGTCGAACTAGAGTGCAGGAGGGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTTGCTGGAGCGTAACTGACGCTGATGCTCGAAAGTGCAGGTATCAAACAGGATTAGATACCCTGGTA

>OTU4645;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Ruminococcaceae(0.0710),g:Clostridium_IV(0.0157);

ACGGGAGGCAGCAGTGGGAATATTGGGCAATGGGGGAAACCCTGAACCAGCAACGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGGACGTGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGGAATACGGAGGGGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCTGTGCAAGTCAGAAGTGAAATCCATGGGCTTAACCCATGAACTGCTTTTGAAACTGCAGAGCTTGAGTGGAGTAGAGGTAGGCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGGCTCTAACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU4648;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Peptostreptococcaceae(0.1679),g:Clostridium_XI(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGATTTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGCTGTGAAATCCGGCGGCTCAACCGTCGGCCTGCAGTTGATACTGGCGGCCTTGAGTGTACACAGGGATGCTGGAATTCATGGTGTAGCGGTGAAATGCTCAGATATCATGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU4647;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Ruminococcaceae(0.6709),g:Clostridium_IV(0.2171);

ACGGAAGGCAGCAGTGAGGGATATTGGTCAATGGGGGAAACCCTGAACCAGCAACGCCGCGTGAGGGAAGACGGTTTTCGGATTGTAAACCTCTGTCCTCTGTGAAGATAATGACGGTAGCAGAGGAGGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGGCTTGCAAGTCAGAAGTGAAATCTATGGGCTTAACCCATAAACTGCTTTTGAAACTGTAAGTCTTGAGTGAAGTAGAGGTAGGCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGGCTTTAACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU4646;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Peptococcaceae_1(0.5273),g:Peptococcus(0.3479);

ACGGGAGGCAGCAGTAGGGAATCTTCCGCAATGGGCGAAAGCCTGACGGAGCAATGCCGCGTGAGTGAAGAAGGCCTTCGGGTTGTAAAGCTCTATCCTTGTCCAAGAGAGCAGAGTATAGTAACTGATATTCTGAGGACGGTAGACAAGAAGGAGGCCCCGGCTAACTAGGTGCCAGCAGCCGCGGTAAAACATAGGGGGCAAGCGTTGTCCGGAATCACTGGGCGTAAAGGGCGCGGAGGCGGTCTGTTAAGTCGGATGTGAAATGTATGGGCTCAACCCTGAACGTGCATCTGATACTGGCAGACTTGAGTGCGGAAGAGGCAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACCTACTGGGCACCAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU4650;tax=d:Bacteria(0.0041),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Clostridiales(0.0000),f:Ruminococcaceae(0.0000),g:Clostridium_III(0.0000);

GTGAATCATCGAATCTTTGAACGCACCTTGCGCACGTTGGTATTCCGACGGGCATGCCTGTTTGAGTGTCGTGAACAACCTCAACCTTTATTGGTTTTACCATCAAGGCTTGGACTTGGGTGTTGCTGCTGCAAAGTGGCTCGCCTTAAAACTATTAGCTGGACTTGTCTATGACTTGGTTCGACTCGATGTAATAAGTATTCATCGGGGACAGGGTAACACCTGGCCAAGGCTTGATGCCGTCTGCTTCTAATCATGTTCTCACTATGCGATGCTACTTCACTGCGTGGCCTCAAACTATGTAGCATTACCCGCTGAACTTAAGCATATCAATAAGCGGAGGA

>OTU4649;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachnospiraceae(0.3204),g:Clostridium_XlVa(0.0808);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGATGCCGCGTGAATGAAGACGGCCTTCGGGTTGTAAAGTTCTCTCGCAGGGGACGAAAATGACGGTACCTGACAAAGCAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGCAAGTCTGGAGTGAAAGGCATGGGCTCAACCCGTGGACTGCTTTGGAAACTGTGCGGCTTGAGTGTCGGAGAGGCAAGTGGAATTCCTAGCGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU4652;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Lachnospiraceae(0.3884),g:Clostridium_XlVa(0.1299);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGACGCAGCAACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAGAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTACAAGTCTGAAGTGAAAGCCCGTGGCTCAACCGCGGAACTGCTTTGGAAACTGTAAAGCTGGAGTACTGGAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACAGAAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU4653;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.9280),f:Bacteroidaceae(0.6709),g:Bacteroides(0.5239);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATATGGGAATAAAACGTTGCACGCGTGGGATTTTGTATGTACCATATGAATAAGGATCGGCTAATTCCGTGCCAGCAGCCACGGTAATACGGAAGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGATTGTTAAGTGAGTTGTGAAAGTTTGCTGCTCAACAGTAGAATTGCAGTTCGAACTGGTAGTCTTGAGTTCACTATAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACCCCGATTGCGAAGGCAGTTCACTGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU4651;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9991),c:Actinobacteria(0.9820),o:Coriobacteriales(0.9821),f:Coriobacteriaceae(0.9871),g:Enterorhabdus(0.7162);

ACGGGAGGCAGCAGTGGGGAATTTTGCGCAATGGGGGAAACCCTGACGCAGCAACGCCGCGTGCGGGACGAAGGCCCTCGGGTCGTAAACCGCTGTCAGCAGGGAAGACTTTACGACGGTACCTGCAGATGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGATTCATTGGGCGTAAAGCGCGCGTAGGCGGCCGCCTAAGCGGGACCTCTAACCCCGGGGCTCAACCCCGGGCCGGGTCCCGGACTGGGCGGCTCGAGTGCGGTAGAGGAGAGCGGAATTCCCGGTGTAGCGGTGGAATGCGCAGATATCGGGAAGAACACCGATGGCGAAGGCAGCTCTCTGGGCCGTCACTGACGCTGAGGCGCGAAAGCTGGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU4654;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.6881),f:"Prevotellaceae"(0.3204),g:Alloprevotella(0.0615);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGCGAGACTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTCCGGGTTGTAAACTGCTTTTAGTTGGGAATAAAAGGGCGTACGTGTACGCCGTATTGTATGTACCATCAGAAAAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCGGTTCTTCAAGTCAGTTGTGAAAACGCGGGGCTTAACCTCGCGCCTGCAGTTGATACTGTTGAACTTGAGTGCACACAGGGATGTTGGAATTCATGGTGTAGCGGTGAAATGCTCAGATATCATGAAGAACTCCGATCGCGAAGGCAGGCATCCGGGCCGGAACTGACACTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU4655;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8808),c:"Bacteroidia"(0.4812),o:"Bacteroidales"(0.2359),f:"Porphyromonadaceae"(0.0904),g:Barnesiella(0.0134);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGAGGACGGTCCTACGGATTGTAAACCTCTTTTGTCGGGGAGTAACGTGCTGGACGCGTCCCGTATTGAGAGTACCCGAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTGATTGGGTGTAAAGGGTGCGCAGGCGGCGCGCCAAGTCAGCTGTGAAAGTTCCGGGCTCAACCCGGTGTCGCCGTGGAAACTGGCGTGCTCGAGTGCGTGAGAGGAAGGCGGAATGCGTTGTGTAGAGGTGAAATGCATAGATATGACGAAGAACTCCGATTGCGAAGGCAGCTTTCCAGAGCGATACTGACGCTGAAGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU4656;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8628),c:"Bacteroidia"(0.4812),o:"Bacteroidales"(0.2359),f:"Porphyromonadaceae"(0.0457),g:Barnesiella(0.0110);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGAGGACGGTCCTACGGATTGTAAACCTCTTTTGTCGGGGAGTAACGTGCGGGACGCGTCCCGTATTGAGAGTACCCGAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGACTTATTGGGTTTAAAGGGAGCGCAGGCCGTGGGTTAAGCGTGTCGTGAAATTCCGTCGCTCAACGGCGGACGTGCGGCGCGAACTGGTCCACTTGAGTACGCGGGACGTTGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU4657;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.6881),f:Bacteroidaceae(0.2524),g:Bacteroides(0.0712);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGTAAGGCTGAACCAGCCAAGCAGCGTGAAGGATGACCGCCCTAGGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCACCTACGTGTAGGTGATGGTATGGACTATATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGACTTATTGGGTTTAAAGGGAGCGCAGACGGACTGTTAAGTCAGCTGTGAAATGCCGGGGCTCAACCGTGGAATTGCAGTTGATACTGTCGGCCTTGAGTGCGGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAGGAACCCCGGTTGCGAAGGCAGCCTGCCGATCCGTTACTGACGTTCATGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU4661;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9835),c:"Bacteroidia"(0.5579),o:"Bacteroidales"(0.2999),f:Bacteroidaceae(0.0710),g:Bacteroides(0.0157);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGAATGTCCTATGGATTGTAAACTGCTTTTATACGGGAATAAAGTTCTCCACGTGTGGAGTTTTGCATGTACCGTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTTATAAGCGTGTTGTGAAATGTTGGGGCTCAACCATCGCATGCAGTTGAAACTGGAGGTCTTGAGTGTACACAGGGATGCTGGAATTCATGGTGTAGCGGTGAAATGCTCAGATATCATGAAGAACTCCGATCGCGAAGGCAGGCATCCGGGGTACAACTGACGCTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCAGGTA

>OTU4659;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lachnospiraceae(0.2864),g:Eisenbergiella(0.0712);

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>OTU4658;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.8087),c:Fusobacteriia(0.5579),o:"Fusobacteriales"(0.2999),f:"Fusobacteriaceae"(0.1485),g:Fusobacterium(0.0204);
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>OTU4660;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9638),c:Actinobacteria(0.8897),o:Coriobacteriales(0.7252),f:Coriobacteriaceae(0.5273),g:Gordonibacter(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGCGGGATGAAGGCTTTCGGGTTGTAAACCGCTTTCAGCAGGGATGACATCGACAGTACCTGCAGAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGATTCATTGGGCGTAAAGCGCGCGCAGGCGGGCTTGCAAGCGGGGCCTTTAATCTTGGGGCTTAACCTCAAGTCGGGTTCCGAACTGCAAGCCTCGAGTGTGGTAGGGGAAGGCGGAATTCCCGGTGTAGCGGTGGAATGCACAGATATCGGGAAGAACACCGATGGCGAAGGCAGCCTTCTGGGCCACTACTGACGCTGAGGCGCGAAAGCTGGGGGAGCGAACAGGATTAGATACCCTGGTA
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ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGCCGCAAGGCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTCGGGTTGTAAACTGCTTTTAGTCGGGAATAAAAGGGCGCACGTGTGCGTCGTATTGCAGGTACCGTCAGAAAAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGACGGGCTGTTAAGTCAGCTGTGAAATGCCGCGGCTCAACCGTGGACCTGCAGTTGATACTGGCGGCCTTGAGTGCGGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATCGCGAAGGCAGATGCCCGGAGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU4664;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Lachnospiraceae(0.4563),g:Blautia(0.0904);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTATCTCGGTATGTAAACTTCTATCAGCAGGGAAGAAAACAGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGGGCGCAGACGGCCATGGCAAGCCCGGTGTGAAAGGCAGGGGCATAACCCCTGGACTGCACTGGGAACTGTCAGGCTGGAGTGCCGGAGGGGTAAGCGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATCAGGAGGAACACCGGCGGCGAAGGCGGCTTACTGGACGGCAACTGACGTTGAGGCCCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU4662;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9474),c:Betaproteobacteria(0.8331),o:Burkholderiales(0.5766),f:Sutterellaceae(0.3884),g:Sutterella(0.1735);
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ACGGGAGGCAGCAGTAGGGAATTTTCGGCAATGAGGGGAACCTTGACCGAGCAACGCCGCGTGAACGAGGAAGGTCTTTGGATCGCAGAGTTCTGTTGTAAGGGAAGAACACTATAGATAGGGAATGATCTATAGCTGACGGTACCTTGCCAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGAATCATTGGGCGTAAAGGGTGCGTAGGCGGCAGATTAAGTTTGTGGTGAAAGAGCAAGGCTCAACCTTGTTAAGCCACAAAAACTGGTCAGCTAGAGTGCAGTAGAGGCAAGTGGAATTCCATGTGTAGCGGTAAAATGTGTAGATATATGGAGGAACACCGGTGGCGAAGGCGGCTTGCTGGGCTGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAATAGGATTAGATACCCTGGTA
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diaceae_1(0.4224),g:Clostridium_sensu_stricto(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
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>OTU4667;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9798),o:"Bacteroidales"(0.9
753),f:"Prevotellaceae"(0.9387),g:Prevotella(0.6681);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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diaceae_1(0.7428),g:Clostridium_sensu_stricto(0.6200);
ACGGAAGGCAGCAGTGGGGATCTTGCACAATGGGGGAAACCCTGATGCCGCCACGCCGCGTGCGTGATGAAGGTTT
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ospiraceae(0.3544),g:Clostridium_XlVa(0.0904);
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acteriales"(0.8303),f:Enterobacteriaceae(0.6350),g:Escherichia/Shigella(0.2607);
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acteriales"(0.8846),f:Enterobacteriaceae(0.8146),g:Escherichia/Shigella(0.3915);
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cillaceae(0.6350),g:Lactobacillus(0.2607);
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acteriales"(0.8955),f:Enterobacteriaceae(0.8505),g:Escherichia/Shigella(0.4787);
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acteriales"(0.8520),f:Enterobacteriaceae(0.7068),g:Escherichia/Shigella(0.2607);

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cillaceae(0.1485),g:Lactobacillus(0.0326);

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cillaceae(0.0710),g:Lactobacillus(0.0134);

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>OTU4734;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Lachn
ospiraceae(0.0710),g:Clostridium_XlVb(0.0157);

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cillaceae(0.2864),g:Lactobacillus(0.0712);

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ACATAATAAGCAATGACGGCAGCAATAAACTCAACAGGAGCAGGAAAGCGAGGGTATCCTACAAAGTCCAGCGTAC
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995),f:"Prevotellaceae"(0.5273),g:Prevotella(0.1299);
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995),f:"Prevotellaceae"(0.4224),g:Alloprevotella(0.0808);
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ococcaceae(0.1872),g:Ruminococcus(0.0519);
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389),f:"Prevotellaceae"(0.9108),g:Prevotella(0.5239);
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959),f:"Prevotellaceae"(0.0904),g:Prevotella(0.0134);
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acteriales"(0.8303),f:Enterobacteriaceae(0.6350),g:Escherichia/Shigella(0.1735);
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cillaceae(0.7068),g:Lactobacillus(0.4351);
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023),f:"Prevotellaceae"(0.1872),g:Prevotella(0.0181);
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063),f:"Prevotellaceae"(0.7068),g:Prevotella(0.1735);
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ospiraceae(0.1485),g:Fusicatenibacter(0.0326);
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509),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0423);
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319),f:Bacteroidaceae(0.0710),g:Bacteroides(0.0157);
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0.0000),f:Glycomycetaceae(0.0000),g:Glycomyces(0.0000);
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2039),f:"Fusobacteriaceae"(0.0904),g:Fusobacterium(0.0110);
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terales(0.0000),f:Desulfobacteraceae(0.0000),g:Desulfofaba(0.0000);
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172),f:"Prevotellaceae"(0.8505),g:Prevotella(0.4351);
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623),f:"Prevotellaceae"(0.4914),g:Prevotella(0.0615);
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cillaceae(0.2184),g:Lactobacillus(0.0615);
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ococcaceae(0.5632),g:Oscillibacter(0.2171);
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753),f:"Prevotellaceae"(0.9201),g:Prevotella(0.7643);
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319),f:"Prevotellaceae"(0.0710),g:Prevotella(0.0134);
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172),f:"Prevotellaceae"(0.7068),g:Prevotella(0.3915);
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280),f:"Prevotellaceae"(0.1098),g:Prevotella(0.0181);
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cillaceae(0.3544),g:Lactobacillus(0.0808);
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639),f:"Porphyromonadaceae"(0.0904),g:Parabacteroides(0.0181);
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0.0000),f:Actinomycetaceae(0.0000),g:Arcanobacterium(0.0000);
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497),f:"Prevotellaceae"(0.8864),g:Prevotella(0.5720);
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172),f:Bacteroidaceae(0.5991),g:Bacteroides(0.4351);
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ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAAGGATGAAGTA
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diaceae_3(0.0252),g:Caloranaerobacter(0.0076);
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ccaceae(0.0560),g:Aerococcus(0.0134);
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959),f:"Prevotellaceae"(0.1291),g:Prevotella(0.0181);
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ospiraceae(0.2524),g:Fusicatenibacter(0.0712);
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846),f:"Prevotellaceae"(0.7428),g:Prevotella(0.4351);
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diaceae_1(0.1872),g:Clostridium_sensu_stricto(0.0519);
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ococcaceae(0.5273),g:Sporobacter(0.0808);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGGGCAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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cillaceae(0.8505),g:Lactobacillus(0.6200);
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>OTU4816;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:Flavobacteriia(0.1159),o:"Flavobacteriales"(
0.0547),f:Flavobacteriaceae(0.0113),g:Cruoricaptor(0.0056);
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>OTU4821;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Erysipelotrichia(0.6730),o:Erysipelotrichales(0.3959),f:Erysipelotrichaceae(0.2184),g:Turicibacter(0.0615);
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>OTU4824;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.9280),f:"Prevotellaceae"(0.8864),g:Prevotella(0.5720);

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>OTU4825;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Ruminococcaceae(0.3204),g:Clostridium_IV(0.0423);

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>OTU4827;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Bacilli(0.8189),o:Lactobacillales(0.4652),f:Lactobacillaceae(0.1872),g:Lactobacillus(0.0519);

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>OTU4828;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Bacilli(0.6346),o:Lactobacillales(0.3639),f:Lactobacillaceae(0.1872),g:Lactobacillus(0.0519);

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ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAGAGGCAAGTCTGATGTGAAAACCCGGGGCTCAACCCCGGGAGTGCATTGGAAACTGTTTAGCTGGAGGGAGGGAGGGGTAAGTGGAATTCCTAGTGTAGAGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGAGAAGGCGGCTTACTGGAAGGTAAATGAAGTGGAGGATAGAAAGCGTGGGGAGAAAACAGGATTAGATACCCTGGTA

>OTU4826;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9168),c:"Bacteroidia"(0.4428),o:"Bacteroidales"(0.2039),f:"Marinilabiaceae"(0.0710),g:Anaerophaga(0.0157);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCATGCCGCGTGAAGGAATAAGGCCCTATGGGTCGTAAACTTCTTTTGTCGGGGAGTAATAAGGTCCACGTGTAGGGTGATGCGAGTACTCGTCGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGAATTATTGGGTTTAAAGGGTGCGTAGGCTGTTTGTTAAGTCAGGGGTGAAATACCGCAGCTCAACTGTGGAAGTGCCTTTGGTACTAGCAGGCTTGAATAGTGTTGACGTAGGAGGAATGAGTAGTGTAGCGGTGAAATGCATAGATATTACTCAGAACACCGATTGCGAAGGCAGCTCACGAAGCAGGCATTGACGCTGAAGCACGAAGGCGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU4832;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Ruminococcaceae(0.3204),g:Saccharofermentans(0.0615);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGAAGAAGGTCTTCGGATTGTAAAGCTCTTTGATCAGGGACGAACACAATGACGGTACCTGAAGAACAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGAAGGCAAGTCAGATGTGAAATCCACGGGCTTAACTCGTGAACTGCATTTGAAACTGTTTTTCTTGAGTATCGGAGAGGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGATCTACTGGACAGTAACTGACGCTGAGGCGCGAAAGCATGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU4834;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:Sphingobacteriia(0.1159),o:"Sphingobacteriales"(0.0547),f:Sphingobacteriaceae(0.0149),g:Parapedobacter(0.0066);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGCCCTATGGGTCGTAAACTTCTTTAGACGCAGAGCAATAAGGGTCTCGCGAGATCCGCTGAGCGTATGCTTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGCGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGAAGTGCAAGTCAGAGGTGAAATCCCCGCGCTAAACGAGGGAGTTGCGGTTGAAACTGTAAATCTGGAATGAGCGAGACGTGGGAGGAATGAGTAGTGTAGCGGTGAAATGCATAGATATTACGAAGAACACCGATTGCGAAGGCAGCTGACGAAGGGGCGATTGACGCTGAGGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU4835;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Ruminococcaceae(0.2524),g:Ruminococcus(0.0712);

ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGTCTTCGGATTGTAAAGCTCTTTTATTAAGGACGAAGAAGTGACGGTTCTTAATGAATAAGCTCCGTCTATCTACGTCCCAGCAGCCGCGGTTACACGTAGGGATAAAGCGATGTCCGGATTTATTGGGTGTAAAGGGTGCGTAGGCGGAAGAGCAAGTCAGATGTGAAATCCGTGGGCTTAACCCACGAACTGCATTTGAAACTGTTTTGCTTGAGTGAGGTAGAGGAAGGCGGAATTCCCTGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGTTTTAACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU4837;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.9280),f:"Prevotellaceae"(0.8146),g:Prevotella(0.4787);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGACATATTGCAGGTACCCTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCCGTATTATAAGCGAGTTGTGGAATGTCGCGGCTCAACCGGGGGACTGCAGCGGGAACTGTGGGACTTGAGTGCAGAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGCAACTGACGTTGAGGCTCGAAAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU4836;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Lachnospiraceae(0.1872),g:Roseburia(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAACCCTGATGCAGCAACGCCGCGCGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGAAGGCTAAGTCTGATGTGAAAGCCCGGGGCTCAACCCCGGTACTGCATTGGAAACTGGTCATCTAGAGTGTCGGAGGGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAATACCAGTAGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4839;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9168),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3319),f:"Prevotellaceae"(0.0560),g:Prevotella(0.0134);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGATGACGGTCCTACGGATTGTAAACCTCTTTTGTCGGGGAGTAACGTGCGGGACGGGTCCCGTATTGAGAGTACCCGAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGCCGGGCAAGCGTGTTGTGAAATGCAGTCGCTCAACGCCTGCACTGCAGCGCGAACTGGTCCACTTGAGTACGCGGGACGTTGGCGGAATGCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTGACGGTAGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU4838;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Bacilli(0.9798),o:Lactobacillales(0.9606),f:Lactobacillaceae(0.9108),g:Lactobacillus(0.4351);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTACGTGCGAGTAACTGTTCACGCAGTGACGGTATTCAACCAGAAAGTCACGCCGAACTACGTGCCAGCAACCGCGTTAATACGTAGGTGGCAAGCGTTATCCGGATTTATGGGGCGTAAAGCGAGCGCAGGCGGTTACGTAAGTCTGATGTGAAAGCCGTCGGCTTAACCGAAGAAGTGCATTGGAAACTGGGTGACTTGAGTGCAGAAGAGGACAGTGGAACTCCCTGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU4841;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.7995),f:Bacteroidaceae(0.2864),g:Bacteroides(0.0808);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGAAGACTGCCCTATGGGTTGTAAACTTCTTTTATAAGGGAATAAAGTGCACCACGTGTGGTGTTTTGTATGTACCTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGCAGGTTAAGTCAGTGGTGATAGTTTGCGGCTTAAGTGGAAGTTTGCAGTTGATACTGGCTGGCTTGAGGGCTGCAGAGGCAGGCGGAATTTGTGGTGTAGAGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGTCAGCTTGCTGGAGCGTAACTGACGCTGATGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU4843;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9812),o:"Bacteroidales"(0.9798),f:"Prevotellaceae"(0.9573),g:Prevotella(0.7162);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGCCTTTTAAGCGTGTTGTGAAATGTAGGGGCTCAACCCCTGCACTGCAGCGCGAACTGGAGGGCTTGAGTACACACAAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGTAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU4842;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9900),c:"Bacteroidia"(0.8048),o:"Bacteroidales"(0.5395),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0230);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGCGAGACTAAACCAGCCAAGAAGCATGCAAGAAGACGGCCTTCCGGGTTGTAAACTGCTTTTAGTTGGGAATAAAAGAGCGTACGTGTACGCCGCATTGTATGTACCATCAGAAAAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTAGCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGTTTTTAAGTCAGTTGTGAAAGTCTGCGGCTGAACCTGGGCATTGCAGCGCGAACTGTGAGACTTGAGTGCGGAGGAAGTTAGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGATGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGCAATCGACGCTGAAGCTCGACAGCGCGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU4844;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachnospiraceae(0.5991),g:Lachnospiracea_incertae_sedis(0.3043);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGATAATGACGGTACCTGACTAAGAAGCTCCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGGAGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGCGTAGGTGGCAGTGCAAGTCAGATGTGAAACCTATGGGCTTAACCCATAGCCTGCATTTGAAACTGTGATTCTTGAGTGTGGGAGAGGTAAGCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATACGGAAGAACACCAGTGGCGAAGGCGATCTACTGGACAGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU4840;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Clostridiaceae_1(0.5991),g:Clostridium_sensu_stricto(0.3915);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTTAGGAGGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGACTTTTAAGTCAGATGTGAAATACACGGGCTAAACTCAGGTGCTGCATTTGAAACTGGATGTCTAGAGTGAAGTAGAGGAGAATGGAATTCCTGGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTTTAACTGACGCTGAGGCTCGAGAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4845;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9762),o:"Bacteroidales"(0.9497),f:"Prevotellaceae"(0.9015),g:Prevotella(0.6200);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATAAGGACCGGCTGATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTTATAAGCGTGGTGTGAAATGTCGTGGCACAAGCTGGGCATTGAAGCGCGAACTGGCAGACTTGAGTGCGCAGGAAGTAGGAGGAATTCGTCGTGTAGCGGTGAAATGATTAGGTATGACGAAGAACTCCGATTGAGAAGGCAGCCTGCTGTAGCGTAACTGAAGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATAACCTGGTA
>OTU4846;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Lachnospiraceae(0.1291),g:Dorea(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAAGGATGAAGTATTTCGGTATGTAAACTTCTATCAGCAGGGAAGAAGATGACGGTAACTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATAAGTAGGGGGCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGGGTGGTAAGTCAGCTGTGAAATGTCCACGCTCAACGTGGAACGTGCGTTTGATACTGCCGTCCTTGAATGCGGATGCCGTGGGAGGAATGTGTGTTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTGCTGGGCCGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4847;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:Sphingobacteriia(0.0726),o:"Sphingobacteriales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Olivibacter(0.0056);
CCTTTCGGCCTCCTTTCGGCCTCTTTTTCCCTGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGCCCTACGGGTCGTAAACTTCTTTAGACGCAGAGCAATAAGGTCCACGCGTGGACCGATGAGAGTATGCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCGGCCGAGTAAGTCAGCGGTGAAAGACCGGGGCTCAACCCTGGAAGTGCCGTTGATACTGTTTGGCTGGAATGATCCCGCCGCGGGAGGAATGAGTAGTGTAGCGGTGAAATGCATAGATATCACTCAGAACACCGATTGCGAAGGCATCTCGCGAGGGGTCAATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU4848;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.5174),c:"Bacteroidia"(0.2902),o:"Bacteroidales"(0.1249),f:"Prevotellaceae"(0.0457),g:Prevotella(0.0110);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGTAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGTGCGCAGGCGGTTCTGTAAGACAGATGTGAAATCCCCGGGCTCAACCTGGGAACCGCATTTGTGACTGTCTGACTGGAGTATGTCAGAGGGGGGTGGAATTCCACGTGTAGCAGTGAAATTCGTAGATATTTGTAGGAATGCCGATGGGGAAGCCAGCCCACTGGACAGATACTGACGCTAAAGCGCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU4849;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9168),c:"Bacteroidia"(0.5195),o:"Bacteroidales"(0.2679),f:"Porphyromonadaceae"(0.1098),g:Barnesiella(0.0157);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGCCGCGTGAGGGAAGAAGGCCCTATGGGTCGTAAACCTCTTTTGTCAGGGAACAAAAGCCGAGATGTATATTGGTGTGAGTGTACCTGAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCGGCTTTGCAAGTCCGCGGTGAAAGGCCCGGGCTCAACCCGGAAAGTGCCGTTGATACTGTGAGGCTGGAATGCGGATGCTGCGGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCATGAAGAACCCCGATTGCGAAGGCAGCTTACTGGAGTGTAACTGACGCTGAAGCTCGAAAGCGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU4850;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachnospiraceae(0.3544),g:Blautia(0.0712);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGGAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATTTCGGTTTTTAAACCCCTATCAGCGGGGAAGAAAATACCGGTACCTGCCTAAGAGCCCCCGCCTAATTACGTCCCACCACCCCCGTTATTACGTATGGACCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGACTGGCAAGTCTGGTGTGAAAGGCTGGGGCTCAACCCCGGGACTGCATTGGAAACTGCCTGTCTTGAGTGCCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU4853;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9993),c:Fusobacteriia(0.9918),o:"Fusobacteriales"(0.9935),f:"Fusobacteriaceae"(0.9868),g:Fusobacterium(0.7643);

CCTTTCTTCCTCCTTTTTGACTATTGGACCCTGGCCCAAAAGTCTGATCCAGCAATTCTGTGTGCACGATGACGGTCTTAGGATTGTAAAGTGCTTTCAATTGGGAAGAAACAAATGACGGTACCAATAGAAGAAGCGACGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGTCGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGCGTCTAGGTGGTTTGGTAAGTCTGATGTGAAAATGCGGGGCTCAACTCCGTATTGCGTTGGAAACTGCCTAACTAGAGTATCGGAGAGGTGGGCGGAACTACAAGTGTAGAGGTGAAATTCGTAGATATTTGTAGGAATGCCGATAGAGAAGTCAGCTCACTGGACGAATACTGACACTGAAGCGCGAAAGCATGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU4852;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.6881),f:Bacteroidaceae(0.2184),g:Bacteroides(0.0615);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACTGCCCTATGGGTTGTAAACTGCTTTTATGCGGGAATAAAGTCAGGCACGTGTACCTGTTTGTATGTACCGTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCGGAAGCTTAAGTCAGATGTGAAATGTTGCGGCTCAACCGTAAAATTGCGTTGGATACTGGGTTGCTTGAGTACAGTAGACGTCGGCGGAATTTGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACCCCGATTGCGAAGGCAGCTGGCGGGACTTTAACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU4851;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.7907),c:Gammaproteobacteria(0.5195),o:"Enterobacteriales"(0.1719),f:Enterobacteriaceae(0.0710),g:Cronobacter(0.0134);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGCAGCAATACCGCGTGAGTGAAGAAGGCTTTCGGGTTGTAAAGTACTTTCATCGGGGAAGAAGGGGCTAGAGATAAAACGTTTACTCATTGACGTTATCCGCCGAAGAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGAACGCAGGCGGTTGGTTAAGTCTGATGTGAAAGCCCCGGGCTCAACCTGGGAACTGCATCGGAAACTGGCAAGCTTGAGTGTCGTAGAGGGGGGTGGAATTCCAGGTGTAGCGGTGGAATGCGTAGATATCTGGAAGAATACCAGTGGCGAAGGCGGCTGCCTGGTCTAAGACTGACGCTCAGGTTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU4857;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Epsilonproteobacteria(0.9923),o:Campylobacterales(0.9753),f:Helicobacteraceae(0.9573),g:Helicobacter(0.8124);

AAGGAAGGGAGAAGGAGGGAAGAGGGGGAAAGGGGGGAAAGAGGGAAGCAGCAACGCCGCGTGGAGGATGAAGGTTTTCGGATTGTAAACTCCCTTTCTATGAGAAGATTATGACGGTATCTTAGGAATAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTACTCGGAATCACTGGGCGTAAAGAGCGCGTAGGCGGGATAGCAAGTCAGATGTGAAATCCTATGGCTTAACCATAGAACTGCATTTGAAACTGTTATTCTAGAGTAGGGGAGAGGTAGGTGGAATGCTTGGTGTAGGGGTAAAATCCGTAGAGATCAAGAGGAATACTCATTGCGAAGGCGACCTGCTGGAACATAACTGACGCTGATGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU4855;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9711),o:"Bacteroidales"(0.8737),f:"Prevotellaceae"(0.7428),g:Prevotella(0.3479);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAAAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATACAGGGATAAAGTCGGGAACGTGTTCCCGTTTGTAGGTACTGTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCTGATGGTTAAGCGTGTCGTGAAATGTAGCCGCTCAACGGCTGAACTGCGTCGTGAACTGTTTATCTTGAGTGAGTTCGATGTTGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATTACGAAGAACTCCGATTGCGAAGGCAGCCAACAAGGCCTTTACTGACGCTAAAGCTCGAAGGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU4856;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lachnospiraceae(0.3204),g:Clostridium_XlVa(0.0808);
ACGGAAGGCAGCAGCGGGGAATATTGCACAATGAAGGAAACTCTGATGCAGCGGCGCCGCGTGAAGGATGAAGTATTTTGGTATGTAAACTTCTATCAGCAGGGAAGAAGATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGCCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCAGAGCAAGTCTGAAGTGAAAGCCCGGGGCGCAACCCCGGAACTGCTTTGGAAACTGTTCAGCTGGAGTTCCGGAGATGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4854;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9993),c:Actinobacteria(0.9984),o:Actinomycetales(0.9911),f:Actinomycetaceae(0.9852),g:Actinomyces(0.9799);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCGACGCCGCGTGAGGGATGGAGGCCTTCGGGTTGTAAACCTCTTTCGCCAGTGAAGCAGGCCATCTTCTTTGTGGGGTGGTTGACGGTAGCTGGATAAGAAGCGCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGCGCGAGCGTTGTCCGGAATTATTGGGCGTAAAGAGCTCGTAGGCGGCTGGTCGCGTCTGTCGTGAAATCCCCTGGCTTAACGGGGGGCTTGAGGTGGGTACGGGCCGGCTTGAGTGCGGTAGGGGAGACTGGAATTCCTGGTGTAGCGGTGGAATGCGCAGATATCAGGAGGAACACCGGTGGCGAAGGCGGGTCTCTGGGCCGTTACTGACGCTGAGGAGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU4859;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.6138),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0326);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGGCGGCCCTATGGGTTGTAAACTGCTTTTGCGCGGGGATAAAGTGCGCCACGTGTGGCGCATTGCAGGTACCGCGCGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGCCCCTTAAGCGGGATGTGAAAAGCCGGGGCTAAACCGTGGAACTGCAGCGGGAACTGGGGGGCTTGAGTGCGGGAGGGGCAGGCGGAACTCGTAGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGGTCGCGAAGGCGGCCTGCGGGAGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU4860;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9882),o:"Bacteroidales"(0.9939),f:"Porphyromonadaceae"(0.9900),g:Butyricimonas(0.9686);
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>OTU4861;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lachnospiraceae(0.2864),g:Ruminococcus2(0.0615);

ACGGGAGGCAGCAGTGGGGAATATTGAACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATCTCGGTATGTAAAGCTCTATCAGCAGGGAAGATAATGACGGTACCCTTGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTGATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAGAGGCAAGTCGGATGTGAAAACCCGGGGCTCAACCCCGGGAGTGCATTGGAAACTGTTTAGCTGGAGTGCCGGAGGCGTCAGTGGAATTCCTAGTGTTGCGGTGAAATGCGTAGATATTAGGACGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTTACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU4864;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Bacilli(0.7114),o:Lactobacillales(0.4280),f:Lactobacillaceae(0.2524),g:Lactobacillus(0.0712);

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acteriales"(0.7623),f:Enterobacteriaceae(0.5632),g:Escherichia/Shigella(0.1735);
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959),f:"Prevotellaceae"(0.1872),g:Prevotella(0.0519);
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252),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0808);
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cillaceae(0.9108),g:Lactobacillus(0.7643);
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995),f:"Prevotellaceae"(0.5273),g:Prevotella(0.0519);
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547),f:"Prevotellaceae"(0.0149),g:Prevotella(0.0066);
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cillaceae(0.8864),g:Lactobacillus(0.6681);
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015),f:"Prevotellaceae"(0.0355),g:Prevotella(0.0087);
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cillaceae(0.1485),g:Lactobacillus(0.0326);
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ales(0.8303),f:Sutterellaceae(0.6350),g:Sutterella(0.4787);
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252),f:"Prevotellaceae"(0.3544),g:Prevotella(0.0615);
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172),f:"Prevotellaceae"(0.7068),g:Prevotella(0.2607);
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ospiraceae(0.5991),g:Blautia(0.4351);
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>OTU4912;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachnospiraceae(0.3884),g:Coprococcus(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGACGGATTTCGGTATGTAAACCTCTATCATCAGGGAAGAAAATGATGGTACCTGACTAAGACGCACCGGCTCAATCCGTGTCCGCACCCGCGGGAATATGTATGGTGCAAGCGCTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGTAAGTCTGAGGTGAAAGACCGGGGCTCAACCCCGGGGCTGCTTCGGAAACTGTGCAGCTAGAGTGTCGGAGGGGTAAGTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTGGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTTCCTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4913;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9762),o:"Bacteroidales"(0.9497),f:"Prevotellaceae"(0.8505),g:Prevotella(0.5239);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGATTAAGTGTGCTACGTGTGGCATATTGCAGGTACCCTATGAATAAGGACCGGCTAATTCTGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTAGTGGGTTTAAAGGGAGCGTAGGCAGTCTTATAAGCGTGTTGTGAAATGTCGTGGCTCAACCAGAGCATTGCAGAGCGAACTGTTAGACTTGAGTGCGCATGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGCGACTGACGCTGATGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU4917;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Lachnospiraceae(0.2184),g:Clostridium_XlVa(0.0519);
CCTTTCTTCCTCCTTTTTTCCTCTTTCCCCCTTTTTTCCCCCCTTCTTCCTCTACTCCTCGTGAATTATGAAGTATTTCGGTATGTAAACTTCTATCAGCAGGGAAGAAAATTACGGTACCTGACTCAGAAGCCCCGTCTAACTACGTGCCATCAGCCGCGGTAATACGAAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCATGGCAAGTCTGAAGTGAAAGCCAGGGGCTCAACCCAGGGACTGCTTTGGAAACTGTCAGGCTAGAGTGCTGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACAGTGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCGGGTA
>OTU4914;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8267),c:"Bacteroidia"(0.2321),o:"Bacteroidales"(0.1015),f:"Marinilabiaceae"(0.0355),g:Anaerophaga(0.0087);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGAAGTCTGAACCAGCCATGCCGCGTGAAGGAATAAGGCCCTATGGGTCGAAAACTTCTTTTGTGGTGGAGCAATAAGATCTACTCGTAGGTCGATGAGAGTACACTACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCGGCGGTAATACGGAGGATGCAAGCGGTATCCGGAATTATTGGGTTTAAAGGGTGCGTAGGCTGTTATGCAAGTCAGAGGTGAAAGCCCGGGGCTCAACTCAGGAACTGCATTTGATACTGCGAGGCTGGAGTACTGATGCCGTAGGAGGAATGAGTAGTGTAGCGGTGAAATGCATAGATATTACTCAGAACACCGGTTGCGAAGGCATCTCACGAATCCGTCATTGACGCTGAGGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU4915;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:"Bacteroidia"(0.2902),o:"Bacteroidales"(0.1249),f:"Marinilabiaceae"(0.0252),g:Anaerophaga(0.0076);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCCGAACCAGCCATGTCGCGTGAAGGACGAAGGCCCTATGGGTCGTAAACTTCTTTAGGCGCAGAGCAAAAAGGGTCTCGAGAGATACGATGAGAGTATGCGGAGAAGAAGCATCGGCTAATTCCGTGCCAGCAGCCGAGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGAAGTGCAAGTCAGCGGTGAAATCCCCGCGCTCAACGCGGGGGTTGCCGTTGATACTGTACATCTGGAATGCTCATGCCGTGTGAGGAATGAGTAGTGTAGCGGTGAAATGCATAGATATTACTCAGAACACCGATTGCGAAGGCATCTCACGAAGGCGCGATTGACGCTGAGGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU4916;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Peptostreptococcaceae(0.2184),g:Clostridium_XI(0.0615);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCCGATGCAGCAACGCCGCGTGAGCGATGAAGGCCCTCGGGTCGTAAAGCTCCGTCCTCAAGGAAGATAAGGACGGTACGAGAGGAGGAAGCCCCGGCTCACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGAGGTGAAAGGCTACGGCCCAACCGTAGTAAGCCGTTGAAACTGGGAAACTTGAGTGCCGGAGAGGAGAGTGGAATGCGTAGTGTAGCGGTGAAATGCGTAGATATTACGAAGAACACCAGTTGCGAAGGCAGCTCGCTGGCCGGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4919;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Ruminococcaceae(0.4914),g:Ruminococcus(0.3043);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGTCCTCGGATTGTAAAGGTCTTTTATTAAGGATGAAGAAGTGACGGTACTTAATGAATAAGCTCTGGCTAAATACGTGCCAGCAGCAGCGGTAATACGGATGGAGCAGGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCAGAGCAAGTCAGATGTGAAATCCGTGGGCTTAACCGACGAACTGCATTTGAAACTGGTTTGCTTGAGTGAAGTAGAGGCAGGCGGAATCCCCTGTGTAGCGGTGAAATGCGTAGAGATAGCGAGGAACACCAATGGCGAAGGCGGCCTGCTGGGCTTTAACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU4920;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Clostridiaceae_1(0.5991),g:Clostridium_sensu_stricto(0.3043);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAAACCTGATGCAGCAACGCCGCGTGAGTGATGAAGGCCTTCGGGTTGTAAAGCTCTGTCGTCAGGGAAGACGATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGATGTTTAAGTGAGATGTGAAATATCCGGGCTCAACTTCGGTACTGCATTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGTAAATGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGTTCACTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU4918;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Rumin
ococcaceae(0.0252),g:Ruminococcus(0.0076);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
TTTCGGATTGTAAACCTCTGTCGCAGAAGACGAAGGAAGTGACGGTCTTCTGTGATGACGCCCCGCCTAACTACGTGC
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AAGTGGGATGTGAAATTCCAGGGCTTAACTGGGGAGCTGCATTCAAAACTGGTTACCTAGAGTTCAGGAGAGGGAA
GCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTTCTGGACTG
TCACTGACGCTGAGGCACGAAAGTGCGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4921;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Bacilli(0.7497),o:Lactobacillales(0.4652),f:Lactoba
cillaceae(0.2524),g:Lactobacillus(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGAACAATGGGCGAAAGCCTGATGCAGCAATGCCGCGTGAGCGAAGAAGGT
CTTCGGATTGTAAAGCTCTGTCCTTGGGGAAGATAATGACGGTACCCATAGAGGAAGCCCCGGCTAACTCCGTGCCA
GCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGAGCAGGCGGTTCAATAA
GTCTGATGTGAAAGCCCTCGGCTCAACCTGAGAATTGCATTAGAAACTGTTGAACTTGAGTGCAAAAGAGGAGAGTG
GAACTCCATGTGTAGCGGTGAAATGCGTAGATATAAGGAGGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAA
CTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU4922;tax=d:Bacteria(1.0000),p:Firmicutes(0.9994),c:Bacilli(0.9897),o:Lactobacillales(0.9280),f:Lactoba
cillaceae(0.8864),g:Lactobacillus(0.7162);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTT
TTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAG
AAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAACACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAA
AGCGAGCGCAGGCGGAAAAAGAATACTAAGGTGAAAGCCCTCGGCTTAACCAAGGAACAGCATCGGAAAATGTTTG
TCTTGAGTGCAGAAGAGGAGAGTGGAACCCCATGTGTAGCGGTGGAGTGCGTAGATATATGGAAGAACACCAGAAG
CGAGGGCGGCACTCTGATCAGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGT
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>OTU4924;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8755),o:"Bacteroidales"(0.7
252),f:"Prevotellaceae"(0.4224),g:Prevotella(0.0615);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCAAAGTAGCGTGCAGGACGACGGC
CCTATGGGTTGTAAACTGCTTTTATGCGGGGATACAGTGGGCCACGCGTGGCCTTTTGCAGGTACCGCATGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGGGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGCAGGCCGCGGGGCAAGCCTGTTGTGAAAGACAGTCGCTCAACGTATGAACTGCAGCGCGAACTGCCCGGCTT
GAGTGCGTGAAACGTTGGCGGAATTCTCCGTGTAGCGGTGAAATGCTTAGATATAGCGCAGAACTCCGATTGCGAAG
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>OTU4923;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Bacilli(0.5195),o:Lactobacillales(0.2359),f:Lactobacillaceae(0.1098),g:Lactobacillus(0.0204);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGTTAGTAACTGGCCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTCGGGGGCTAGCGTTATCCGGACTTACTGGGTGTAAAGGGTGAGTAGGCGGCATGGTAAGCCAGATGTGAAAGCCCGCAGCTTAACTGCGGGATTGCATTTGGAACTACGAAGCTAGAGTACAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCGGTGGCGAAGGCGGCTTACTGGACTGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU4925;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Clostridia(0.9834),o:Clostridiales(0.9866),f:Lachnospiraceae(0.9852),g:Clostridium_XlVb(0.9686);
ACTGTAGGCAGCAGTGGGGAATCTTTCCCCCTTTTCTCCAGCCTGATGCAGCAACGCCGCGTGAAGGATGAAGGGTTTCGGCTCGTAAACTTCTATCAATAGGGAAGAAAGAAATGACGGTACCTAAATAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGCATGGTAAGCCAGATGTGAAAGCCCTGGGCTTAACCCGAGGATTGCATTTGGAACTATCAAGCTAGAGTACAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGAAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU4926;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.9063),f:"Prevotellaceae"(0.6709),g:Prevotella(0.2171);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATACGGGGATAAAGTGTGCCACGTGTGGCTTATTGCAGGTACCGTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCGGATAAGCGTGTTGTGAAGTGCAGGGGCTCAACGTCTGCACTGCAGCGCGAACTGCGAGGCTTGAGTGCGCAGGACGTTGGCGGAATTCGCCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCGGCTGGTGCGTAACTGACGCTGATGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU4928;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.4311),c:"Bacteroidia"(0.2321),o:"Bacteroidales"(0.1015),f:"Prevotellaceae"(0.0355),g:Prevotella(0.0087);
CCTTTCTTCATCATTATTTCCTATTCCCCCCTGGCCGCCAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTAGGTGAAGAAGGATAGAGGTAGTAACTGGACTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGACGCGGTAATACGTAGGTGGCAAGCGTTGTCAGGATTTATTGGGGTTAAAGGGAGCGTAGGCCGTCTGTTAAGCGTGGTGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTTTGAGACTTGATTGCGCAGGAAGTAGGCGGAATTCGTCGTTTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU4927;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Ruminococcaceae(0.2184),g:Intestinimonas(0.0615);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTGCGCGGGGATAAAGTGCGCCACGTGTGGCTCATTGCAGGTACCGCGCGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTATTGGGTGTAAAGGGCGTGTAGGCGGGAGTGCAAGTCAGATGTGAAAACTATGGGCTCAACCCATAGCCTGCATTTGAAACTGTACTTCTTGAGTGATGGAGAGGCAGGCGGAATTCCCTGTGTAGCGGTGAAATGCGTAGATATAGGGAGGAACACCAGTGGCGAGGGCGGCTTACTGGACGATAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4929;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Bacilli(0.5963),o:Lactobacillales(0.3319),f:Lactobacillaceae(0.1679),g:Lactobacillus(0.0423);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAACGGCAAGTTTGAAGTGAAATACCCGGGCTTAACCCGGGAACTGCTTTGAAAACTGTCGATCTAGAGTGTCGGAGAGGTAAGTGGAATTCCTGGTGTAGTAGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGTCTGCTGGACAGCAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4932;tax=d:Bacteria(0.0041),p:Firmicutes(0.0000),c:Bacilli(0.0000),o:Lactobacillales(0.0000),f:Streptococcaceae(0.0000),g:Streptococcus(0.0000);
GGCAGTAAAAGTCGTAACAAGGTTTCTGTAGGTGAACCTGCAGAAGGATCATTAGCGAAGATTCAAGGGCCAGCCATACAGACGTACAATAAGTGTGTCTCTGGCGGCTCGCATCCACTATACATCCATAAACCCGTGTGCACTGTTCTAAGGAGTAAGAAAGAAGAAGGGGAGGGGAGAGAGAGTGCATGTGCTTTGCATATAACTCTCTCTCACTCTCCACTCTCTTTCTCTCTCCGGTTAATTACAAACTCGTATGGATTTGTATGAACGTGAGATATAGCGTTGGACCGTCACTGGCCAACAAATATAACACAACTTTCGACAACGGATCTCTTGGTTCTCCCATCGATGAAGAACGCAGTGAAACGCGATAGGTAATGGGAATTGCAGAAGTCCGGGAAGCATCGAATCTTTGAAC
>OTU4930;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9991),c:Gammaproteobacteria(0.9719),o:"Enterobacteriales"(0.7252),f:Enterobacteriaceae(0.5273),g:Escherichia/Shigella(0.1299);
ACGGGAGGCAGCAGTAAGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGAATGAAGAAGGCCTTAGGGTTGTAAAGTACTTTCAGCGCGGAGGAAGGGAGTGAAGTTAATACCTTTGCTCATGGAAGTTACACGAAGAAGAAGCACCAGCTAACTCCGTGCAAGCAGCCGCAGTAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGCACGCAGGCGGTTTGTTAAGTCAGAGGTGAAAGCCCCGGGCTCAACCTGGGAACTGCCTCTGATACTGTCCAGCTTGAGTCTCGTAGAGGCGGGTAGAATTCGAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTG

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GTA
>OTU4931;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9835),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.5
766),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0230);
ACTTTATTCATCATTTATTAATATTTTTCAATTTTCTAAATCCTTAACCAGCCAATTAGCTTTCATGACGACGGCCCTATG
GGTTTTAAACTGCTTTTATGCGGGGATAAAGTGGGCCACTCGTGGCCTTTTGCAGGTACCGCATGAATAAGGACCGG
CTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTGAAAGGGAGCGCA
GGCCGATGGTTAAGCGGGTTGTGAAATTCCGTCGCTCAACGGCGGACGGGCGGTGCGAACTGGTCCACTTGAGTAC
GCGGGACGTTGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGC
TGACGGTAGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU4935;tax=d:Bacteria(0.0058),p:"Armatimonadetes"(0.0000),g:Armatimonadetes_gp5(0.0000);
TCGTTATGGTTTCCGTTGCTGCCATCTCAAAACCATTTGGACTGCTCCGCTTCCTCCTGAGCCTGAGCTTTCTCGCCAAC
TGACGCCTTCTACCACATCTATTGACATTATGGGTCTGCAAGCTGCTTATGCTAATTTGCATACTGACCAAGAACGTGA
TTACTTCATGCAGCGTTACCATGATGTTATTTCTTCATTTGGAGGTAAAACCTCTTATGACGCTGACAACCGTCCTTTAC
TTGTCATGCGCTCTAAGCTCTGGGCATCTGGCTATGATGTTGATGGAACTGACCAAACGGCGTTAGGCCAGTTTTCTG
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>OTU4933;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Rumin
ococcaceae(0.5632),g:Ruminococcus(0.2607);
ACGGAAGGCAGCAGTGGGGGATATTGCGCAATGGGGGAAACCTTGACGCAGCAACGCCGCGTGAACGATGAAGGT
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>OTU4936;tax=d:Bacteria(0.9450),p:Firmicutes(0.1508),c:Clostridia(0.0525),o:Clostridiales(0.0352),f:Clostri
diales_Incertae_Sedis_XI(0.0086),g:Tepidimicrobium(0.0043);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCTGCGTGAGGGAAGAAGG
GTTTTGGCTCGTAAACCTCTGTCCTATGGGACGAAGGAAGTTATGGTACCATAGGAGGAAGCCCCGGCTAACTACGT
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GGCAAGTTGGAAGTGAAATACCTAGGACTTCACCCAGGTGCTACTTACAAAACTGTTAGACTTGAGTTCAGGAGATG
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>OTU4934;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Ruminococcaceae(0.3884),g:Oscillibacter(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGACGCAAGTCTGACCCAGCAACGCCGCGTGAAGGAAGAAGTCTTTCGGGTTGTAAACTTCTTTCGTCAGGGAAGAACGGAAGACTGTCCCTGTCGAATACGCCACGTCTAACTACGTGCCAGCCGCCGCGGTAATACGTAGGTCGCAAGCTTTGTCCGGATTTACTGGGTGTAAAGGGCGTGCAGCCGGGTCTGCAAGTCAGATGTGAAATCCGCGGGCTTAACCCGCGAACTGCATTTGAAACTGTGGATCTTGAGTATGGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGATTACTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4937;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9671),c:Betaproteobacteria(0.8189),o:Burkholderiales(0.5023),f:Alcaligenaceae(0.2184),g:Taylorella(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGCGAAAGCCTGATCCAGCCATCCCGCGTGTACGATGAAGGCCTTCGGGTTGTAAAGCACTTTTGTCAGGGAAGAAAAGTTCGTGGTTAATACCCTTGGACGTTGACGTTACCTGAAGAATACGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGCGCGCAGGCGGTTCGTTAAGAAAGATGTGAAATCCCAGGGCTCAACCTTGGAACTGCATTTGTTACTGCCGAGCTTGAGTATGGCAGAGGGGGGTAGAATTCCACGTGTAGCGGTGAAATGCGTAGAGATGTGGAGGAATACCGATGGCGAAGGCAGCCCCCTGGGATAATACTGACGCTCAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4939;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Ruminococcaceae(0.0904),g:Acetivibrio(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTAGGCAATGGGGGAAACCCTGATCTAGCAACGCCGCGTGAAGGATGAAGGTTTTCGGATTGTAAACTCCTTTTGCAGGGGACGATAATGACGGTACCCTCAGAACAAGCCACGGCTAACTTCGTGCCAGCCGCCGCGGTGATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGAGTAGGCGGGACGGAAAGTCAGATGTGAAATACCGAGGCTCAACTGCGGGGCTGCATTTGAAACTGCTGTTCTTGAGTGATGGAGAGGCAGGCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCAGGAGGAACACCGGTGGCGAAGGCGGCCTGCTGGGCATTAACTGACGCTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4940;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Ruminococcaceae(0.1872),g:Clostridium_IV(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAACGGGCGAAAGCCTGACCAAGCAACGCCGCGTGAAGGAAGAAGGGCTTCGGATTGTAAACTTCTTTTATGAGGGACGAAGGAAGTGACGGTACCTCATGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATACGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGGATGCAAGTCAGATGTGAAATCTATGTGCTCAACCCATGAACTGCATTTGAAACTGTAGTTCTTGAGTGTCGGTGAGGCAATCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGGTGTTAGGAGGAACACCAATGGCGGAGGCGGATTGCTTGACGATAACTTACGGTTATGCGCGAAAGTGTGGGGAGCAAACAGGTTTAGATACCCTGGTA

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ACGGGAGGCAGCAGTGGAGAATCTTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGACGGCCCTTGGGTTGTAAACTTCTGTTCTAAGGGAAGATAGTGACGGTACCTTAGGAGCAAGTCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGAGGTGAAAGGCTACGGCTCAACCGTAGTAAGCCTTTGAAACTGGGAAACTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCAGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTTACTGACACTGAGGCACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU4941;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Clostridiaceae_1(0.4914),g:Clostridium_sensu_stricto(0.3043);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCAACGCCACGTGAGTGATGACGGCTTTCGGGTTGTAAAGCTCTGTCTGCAGGGAAGATAATGACGGTACCTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGTCATTTAAGTGTGAAGTGAAATACACGGGCTCAACTTGTGTGCTGCATTTCAAACTAGAAGTCTGGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
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ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTATTTCTGTATGTAAACTTCTATCAGCAGGGAAGAAAATTACGGTACCTGACTAAGAATCCCCGTCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCAGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGCAAGTCTGAAGTGAAAGGCATGGGCGCAACATGTGGACTGCATTGGAAAATGGGGAGCTAGAGTGACGGAGAGGTAAGAGGAATTCCTAGTGGAGCGGTGAAATGCGTAGATATTAGGAGGAACACAAGTGGCGAAGGCGGCGTACTGGAAGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAAAAGGATTAGATACCCTGGTA
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039),f:Bacteroidaceae(0.0710),g:Bacteroides(0.0157);
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138),f:Bacteroidaceae(0.1679),g:Bacteroides(0.0423);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
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CGTAGGCCGTCTGTTAAGCTTGTAGTGAAATGTCGGGGCTTAACCTGGGCATTGCAGTGCGAACTGTGAGACTAGAG
TGCGAAAGAAGTAGGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGC
AGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU4967;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Alphaproteobacteria(0.9887),o:Rhodospiril
lales(0.9940),f:Acetobacteraceae(0.9884),g:Acetobacter(0.9566);
ACGGAAGGCAGCAGTGGGGAATATTGGACAATGGGGGCAACCCTGATCCAGCAATGCCGCGTGTGTGAAGAAGGT
CTTCGGATTGTAAAGCACTTTCGACGGGGACGATGATGACGGTACCCGTAGAAGAAGCCCCGGCTAACTTCGTGCCA

GCAGCCGCGGTAATACGAAGGGGGCTAGCGTTGCTCGGAATGACTGGGCGTAAAGGGCGTGTAGGCGGTTTGTACA
GTCAGATGTGAAATCCCCGGGCTTAACCTGGGAGCTGCATTTGATACGTGCAGACTAGAGTGTGAGAGAGGGTTGT
GGAATTCCCAGTGTAGAGGTGAAATTCGTAGATATTGGGAAGAACACCGGTGGCGAAGGCGGCAACCTGGCTCATT
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>OTU4970;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9887),o:Lactobacillales(0.9172),f:Lactoba
cillaceae(0.7787),g:Lactobacillus(0.5239);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
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ACTTGAGTGCAGAAGAGGGCAGTGGAACTCCATGTGTAGAGGTGGAATGCGTAGATATATGGAAGAAAACCAGTGG
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>OTU4965;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9900),c:Gammaproteobacteria(0.9719),o:"Enterob
acteriales"(0.7623),f:Enterobacteriaceae(0.5632),g:Escherichia/Shigella(0.1299);

ACGGGAGGCAGCAGTAGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATACCGCGTGTATGAAGAAGGCC
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GAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTA
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GCTTGAGTCTCGTAGAGGAGAGTAGAACTCCATGTGTAGCGGTGAAATGCGTAGAGATATGGAAGAATACCGGTGG
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>OTU4969;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Rumin
ococcaceae(0.8864),g:Subdoligranulum(0.1735);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGG
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CAGCAGCCGCGGTAAAACGTAGGGTGCAAGCGTTGTCCGGAATTACTGGGTGTAAGGGGAGCGCAGGCGGACCGG
CAAGTTGGAAGTGAAATCTATGGGCTCAACCCATAAATTGCTTTCAAAACTGCTGGCCTTGAGTAGTGCAGAGGTAG
GTGGAATTCCCGGTGTAGCGGTGGAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGACCTACTGGGCAC
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>OTU4971;tax=d:Bacteria(1.0000),p:Firmicutes(0.9994),c:Bacilli(0.9897),o:Lactobacillales(0.9606),f:Lactoba
cillaceae(0.9015),g:Lactobacillus(0.7162);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
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>OTU4973;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Bacilli(0.8331),o:Lactobacillales(0.5023),f:Lactoba
cillaceae(0.2524),g:Lactobacillus(0.0519);
ACGGGAGGCAGCAGTAGGGAATCTTCCAAAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGG
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GAAAGTCACGGCTAACTAAGTGCCAACAGCAGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGACTTATTGGGCGT
AAAGCGAGCGCAGGCGGAAAAAGAAGTCTACTGTGAGAGGCCTCGGCTTAACCGAGGAACTGCATCGGAAACTGTT
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>OTU4974;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Negativicutes(0.7881),o:Selenomonadales(0.502
3),f:Veillonellaceae(0.3204),g:Anaerovibrio(0.0326);
ACGGAAGGCAGCAGTGGGGAATCTTCCGCAATGGGCGCAAGCCTGACGGAGCAACGCCGCGTGAGTGAAGAATGT
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AGGAAGCCACGGCTAATTACGTGCCAGCAGCCGAGGTAATACGTAGGTGGCGAGCGTTGTCCGGAATTATTGGGCG
TAAAGGTAGCGCAGGTGGGAAAGTAAGTCATTCTTAAAAGTTCGGGGCTCAACCGCGTGATGGGATTGCAACTACTT
TTCTTGAGTGCATAGGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTACGATGAACCCCAGTTG
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>OTU4972;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Eubac
teriaceae(0.0252),g:Eubacterium(0.0076);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTT
TTCGGATCGTAAAGCTTTGTTGAGAGGGACGAGAGATATAATTAGGAAATGGGTTATAGAGGACGGTACCTTTCGAA
GAAGCCCCGGCTAACTACGTGCCAGCAGACGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACCGGGTGTA
AAGGGAGCGTAGGCGGCATGGCAATTCTGATGTGAAAACCCAGGGCTCGACCGTGAGACTGCATTGGAAACTGTCA
AGCTGGAGTGTCGGAGAGGTAAGCGGAATTCCTAGTGTAGCCGTGAAATGCGTGGATATTAGGAGGAACACCAGTG
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>OTU4975;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.5766),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0326);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTAGCGTGCAGGAATACGGCCCTATGGATTGTAAACTTCTTTTATACGGGGATAAAGTGTGCCACGTGTGACTTGTTGCGAGTACCGTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGATGTTAAGCGTGCTGTGAAACGCAGGGGCTCAACCCTGGAATTGCAGTGGGAACTGGAGTACTTGAGTGCGGATGATGTAGGCGGAATGTGTCGTGTAGCGGTGAAATGCTTAGATATGACGCAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGTAATTGACGCTGAAGCACGAAAGTGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU4976;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9908),o:Lactobacillales(0.9389),f:Lactobacillaceae(0.9015),g:Lactobacillus(0.8124);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTCTTTGCCGGTAATCAACCAGCAAGTCACGGCTAACTACGTGCCCGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCCCGGGCTTAACCGAGGAACTGCATCGGAAACTGTTAGTCTTGAGTGCAGAAGAGGAGAGGGGAACTCCAAGTGTAGCGGTGGAATGCGTAGAGATAAGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU4977;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.6138),f:"Prevotellaceae"(0.3204),g:Prevotella(0.0230);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCTTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATCTGGGGATAAAGTGGGCCACGCGTGGCCTTTTGCATGTACCGTATGCATAAGGACCGGCTTATCCCGTGCCAGCCGCCGCGGTAATACGGAAGGTTCGGGCCTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTTGCTTAAGCGTGTCGTGAAATGCTGCCGCTCAACGGCAGAATTGCAGCGCGAACTGGGGGGCTTGAGTGCGCAGAACGTGGGCGGAACTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCTCACGATAGCGTTACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU4978;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9871),o:Lactobacillales(0.9063),f:Lactobacillaceae(0.7428),g:Lactobacillus(0.4787);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGATGGATAGAGGTACTGACTGGCCTTTATTCGATGGTTATCAACCAGAAACTCACGTCTTACTACGTGACCGCAGCTGCGGTAGTATTTCGGTGGCTAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCGTGGGCTTAACCGAGGAACTGCATTGGAAACTGTGTTTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTTTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU4979;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8755),o:"Bacteroidales"(0.7252),f:"Prevotellaceae"(0.4914),g:Prevotella(0.0808);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGCGACTCTGACCCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTTCCGGGGGATAAAGTTTGCCACGTGTCGCATATTGCAGGTACCCTATGAATAAGTACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTTATAAGCGAGGTGTGAAATGTCGGGGCTTAACATGGGGAGTGCAGCGGGAACTGGGAGACTTGAGTGCGAAGGAAGTAGGCGGAATGCGGCGTGTAGCGGTGAAATGCTTAGATATGCCGAAGAACACCGATTGAGAAGGCAGCTTGCGGGAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU4980;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Bacilli(0.9805),o:Lactobacillales(0.9389),f:Lactobacillaceae(0.9015),g:Lactobacillus(0.4351);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAACTCTGTTGTTGAAGAAGAACGTGCGTGAGAGTAAATGTTAACGCAGTGACGGTATTCAACCAGAAAGTCACGGCTAACTAAGTGCAAGCAGCCGCGGGAATACGTAGGTGGCAAGCGGTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTACTTAAGTCTGATGTGAAAGCCTTCGGCTTAACCGAAGAAGTGCATCTGAAACTGGGTGACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGTCGGCTGTCTGGTCTGCAACTGACGCTTAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU4982;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Lachnospiraceae(0.5632),g:Roseburia(0.3479);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCAGCGTGAGCGAAGAAGTATTTAGGGATGTAAAGCTCTATCAACAGGGAAGAAGAAATGACGGTACCTGACTAAGAAGAACCGGCGAAATACGTGACAGCAGCCGCGGTAATACGTATGGTGCAAGCGATATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGAAGGCTAAGTCTGATGTGAAAGGCCGGGGCTCAACCCCTGTATTGCATTGGAAACTGGTCATCTAGAGTGTCTGAGGGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCTTAGATATTAGGAGGAACACCAGTTGCGAAGGCGGCTTACTGGACGTTTACTGACGCTGAGGCTCGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA

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520),f:"Prevotellaceae"(0.5632),g:Prevotella(0.0904);
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ACCGGCTAATTACGTCCCAGCAGCCGCGGTAATACGGAAGGTCCGGGGGTTATCCGGAGTTATTGGGTTTAAAGGG
AGCGTAGGCCGTCTGTTAAGCGAGTTGTGAAATGTCGGGGCTCAACCTGTGCACTGCAGCGCGAACTGGCAGACTTG
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303),f:Bacteroidaceae(0.4563),g:Bacteroides(0.2607);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGAGAGAGCCTGATCCAGCCAAGCAGCGTGAAGGATGACTTC
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ales"(0.0000),f:Vibrionaceae(0.0000),g:Salinivibrio(0.0000);
ACTGCCGCGGATTGGTTTCGCTGCCTCAGGTTCTTAAAGAGATTATTTGTCTCCAGCCCCTTCAGTGAGGTGATTTCTG
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ATCTGCCATTCAAGGCGCTAATGTTCCTAACCCTGATGAGGCCGTCCCTAGTTTGGTTTCTGGTGCTAGGGCTAAAGC
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cillaceae(0.7068),g:Lactobacillus(0.4351);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCGAGCCTGATGGAGCAATACCGCGTGAGTGAAGAAGGG
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cillaceae(0.8505),g:Lactobacillus(0.5239);
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7),f:Veillonellaceae(0.7787),g:Anaerovibrio(0.2607);
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AGCCACGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGAATTATTGGGCGTAAA
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252),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0519);
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AGCGTAGGCCGCCGAGTAAGCCAGTTGTGAAAGGCAGTCGCTCAACCGTTGCACTGCAGTGCAAACTGGTCATCTTG
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0.0547),f:Flavobacteriaceae(0.0149),g:Mesonia(0.0066);
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959),f:"Prevotellaceae"(0.1098),g:Prevotella(0.0181);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGCGTGAGGGAAGACTGC
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ACCGGCTCATTCCGTTCCGGCGGCCGCGGTAATTCGGAAGGTTCGCGCGTTATCCGGATCTATTGGGTTTAAAGGGA
GCGCAGGACGTGGGTTAAGCGTGTCGTGAAAGTCCGTCGCTCAACGGCGGACGTGCGGCGCGAACTGGTGCACTTG
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cillaceae(0.8505),g:Lactobacillus(0.6681);
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AGCGAGCGCAGGAGGAAAAATAAGTCTAATGAGAAAGCCCTCGGCTTAACCGAGGAACTGCAGCGGAAACTGTTTT
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cillaceae(0.8146),g:Lactobacillus(0.6200);
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AAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAA
GGGTACGTAGGCGGTCATTTAAGTCTGGTGTGAAAGGCTACGGCTTAACCGGGGTGGTGCATTGGAAACTGGAAGA
CTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTAAAATGCGTAGATATATGGAAGAACACCAGTGGC
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>OTU4994;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Clostri
diaceae_1(0.2524),g:Clostridium_sensu_stricto(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGGC
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GCAGCCGCGGCAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTTGTAA
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GGAATTCCGAGTGTAGAGGTGAAATGCGTAGAGATTAGTAAGAACACCAGTGGCGAAGGCGCCTCTCTGGACTGTC
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497),f:"Prevotellaceae"(0.8505),g:Prevotella(0.4351);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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639),f:"Prevotellaceae"(0.1485),g:Prevotella(0.0181);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGTGAGAACCTGAACCAGCCATGCAGCGTGCAGGACTACGGCC
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CGCAGGCTGTCAGTTAAGCGAGGTGTGAAATGTCAGTGCCCAACACCTGAACTGCAGTGCGAACTGGCTGACTGGA
GTACGCACGACGTTGGCGGAATTTGCAGTGTAGCGGTGAAATGCTTAGATATGGCGAAGAACACCGATTGCGAAGG
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8629),f:"Fusobacteriaceae"(0.5991),g:Fusobacterium(0.1735);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGACCAAAAGTCTGATCCAGCAATTCTGTGTGCCCGATGACGGC
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GGAATTACAAGTGTAGCGGTGAAATGCGTAGATATTTGTAGGAATGCCGATAGAGAAGGCAGCTCACTGGACGAAT
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0),f:Mycoplasmataceae(0.0000),g:Mycoplasma(0.0000);
AAGCTGGTTCTCACTTCTGTTCCTCCAGCTTCTTCGGCACCTTTTTTCCAGCCACCTAAAGCTACATCGTCAACGTTCTA
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ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCCAAGCCGCGTGAGGGAAGACGGTTTTAGGATTGTAAAACTCTGTTTTCGGTGACGAACAAATGACGGTAACCGAGTAGGAAGCCACAGCCAACTACGTGCCAGCAGCCGAGGTAATACGTAGGTGGCACGCGATGTCCGGATTTATTGGGCGCAAAGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCCGCGGCTTAACCTAGGAACTGCATCGGAAACTGTTGTTCTTGAGTGCGGAAGAGGAGAGAGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATAAGGAAGAACTCCAGTTGCGAAGGCGGCTCTCGGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU5002;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Lachnospiraceae(0.1098),g:Blautia(0.0134);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGAAGTATCTCGGTATGTAAACTTCTATCAGCAGGGAAGATAGTGACGGTACCTGTCTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGCCCGGATTGATTGGGTGTAAAGGGAGCGCAGGCCGCCGGGCAAGCGCGTTGTGAAATGCACTCGCTCAACGTCTGCACTGCAGCGGGAACTGCCAAGCTTGAGTGCGAGCAACGGTGGCGGAATTCGCAGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTGACGGTAGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACACTGGTA
>OTU5001;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Lachnospiraceae(0.9015),g:Howardella(0.8124);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGCAACTCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATCTCGGTATGTAAAGCTCTATCTGTAGGGAAGATAATTACGGTACCTATAGAAGAAGGCCCGGACAAATACGTTCCAGCAGCCGCGGTAACACGTATGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGTGTAGGCGGCAGTACAAGTGAGAAGTGAAAACTTGGGGCTCAACGCCAAGACTGCGTTTGAAACTGTACAGCTAGAGTGTAGGAAGGGTAAGCGGAATTCGTGGTGTAGCGGTGAAATGCGTAGATATCAGGAAGAACACCGGTGGCGAAGGCGGCTTGCTGGACTATAACTGACGCTGAGACTCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU4998;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Bacilli(0.9776),o:Lactobacillales(0.9389),f:Lactobacillaceae(0.9015),g:Lactobacillus(0.6200);
ACGGGAGGCAGCAGTAGTGAATCTTCCACAATGGACGAAAGTCTGATGCAGCAACGCCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGGTAGTGAAGAAAGATAGGGGTAGTAACTGTCCTTTATTCGACGGTAATTACTTAGAAAGTCACGGCTAACTCCGTGCCAGCCGCCGCTGTCATACGTAGGTGGCATGCGTTGTCCGGATTTATTGGGCGTAAAGGGAGTGCAGGCGGTTCAATAAGTGTGATGTGAAAGCTTTCGGCTCAACCGGAGAACTGCATCAGAAACTGTTGAACTTGAGTGAAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU5003;tax=d:Bacteria(0.0024),p:"Actinobacteria"(0.0000),c:Actinobacteria(0.0000),o:Actinomycetales(0.0000),f:Cryptosporangiaceae(0.0000),g:Cryptosporangium(0.0000);
ACCATGCTACACTGTGCTCCCCCCCCTTGATCTTAATAACCCTTTAGCCCACCGCCCCGAAGGGGCCGAAAAATGGTTTTTAGAGCACGAGAAGACGGTTACGCAGTTTTGCCGCAAGCTGGCTGCTGAACGCCCTCTTAAGGATATTCGCGATGAGTATAATTACCCCAAAAAGAAAGGTATTAAGGATGAGTGTTCAAGATTGCTGGAGGCCTCCACTATGAAATCGCGTAGAGGCTTTGCTATTCAGCGTTGGATGAATGCAATGCGACAGGCTCATGCTGATGGTGGGTTTATCGTGTTTGACACTCTCACGGTAGCTGACGACCGATTAGAGGCGTTTTATGATAATCCCAATGCTTTG
>OTU5005;tax=d:Bacteria(0.0024),p:"Fusobacteria"(0.0000),c:Fusobacteriia(0.0000),o:"Fusobacteriales"(0.0000),f:"Fusobacteriaceae"(0.0000),g:Ilyobacter(0.0000);
GGAATTGTTTGTGAGCGTTGTGGCGTTGAGGTCACAGAGAGTCGGGTGCGACGTCACCGCATGGGCTTCATTAAGTTGGCGGCCCCCGTCTCTCATGTTTGGTATCTGAAAGGGATTCCAAGTTATGTGGCCATCCTTTTGGATATGCCTCTGCGGGATGTTGAGCAGATTGTTTATTTCAACTGTTATGTGGTTCTGGATGCGGGTGATCACAAAGACCTGAAGTACAAGCAATTGCTCACGGAAGATGAGTGGCTTGAAATTGAAGACGAGATTTATGCAGAAGATTCAGAAATTGAAAATGAGCCCGTCGTTGGAATTGGTGCCGAGGCGCTGAAGCAGCTGCTTGAGGATCTCCAACTCAATGCTGTTGCTGTACAATTACGTGAGGAGATTGCTGGTAGTAAGGGACAGAAACGCGCCAAGCTGATCAAGCGCCTGCG
>OTU5004;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Lachnospiraceae(0.4563),g:Clostridium_XlVa(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGATGAAGTCTTTCGGTATGTAAAGCTCTATCATCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCGATGCAAGTCTGGAGTGAAAGACCGGGGCCTAACCTCGGGACTGCATTTGAAACTGGGAGGCTGGAGTGCAGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGTTTACTGGACTGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU5007;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9540),c:Fusobacteriia(0.8614),o:"Fusobacteriales"(0.6881),f:"Fusobacteriaceae"(0.4563),g:Fusobacterium(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGACCAAAAGTCTGATCCAGAAATTCTGTGGGCACGTTGACGGTCTTAGGATTGTAAAGTGCTTTCTATTGGGAAGAAAAAAATGACGCTACCAATAGAAGAACCGATGGCTAAATACGTGCCGCCAGCGGCGGTAATACGGATGTCACATGCGTTAGCCGGATTTATTGGGCGTAAAGCGCGTCTAGGTGGTATGGTAAGTCTGATGTGAAAATGCTGGGCTCAACTCCGTATTGCGTTAGAAACTGTCTAACTAGAGTATCGGAGAGGTGAGCGGAACTACAAGTGTAGAGGTGAAATTCGTAAATATTTGTAGGAATGCCGGTAGAGAAGTCAGCTCACTGGACGAATACTGACACTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU5006;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Negativicutes(0.5963),o:Selenomonadales(0.3319),f:Veillonellaceae(0.1679),g:Mitsuokella(0.0423);

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ospiraceae(0.9480),g:Blautia(0.8605);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTA
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8412),f:"Fusobacteriaceae"(0.5632),g:Fusobacterium(0.0712);
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9940),f:"Fusobacteriaceae"(0.9201),g:Fusobacterium(0.1735);
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>OTU5010;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Erysipelotrichia(0.6730),o:Erysipelotrichales(0.39
59),f:Erysipelotrichaceae(0.2184),g:Turicibacter(0.0615);

ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCCGACGGAGCAACGCCGCGTGAATGAAGAAGGG
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>OTU5012;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Bacilli(0.4045),o:Lactobacillales(0.1719),f:Lactoba
cillaceae(0.0710),g:Lactobacillus(0.0157);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
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AGGGAGCGTAGGCCGTCTTATAAGCGGGTTGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGAGAACTGGCAG
ACTGGAGTGCGGAGGAAGTAGGCGGAATTAGTCGTGTAGCGGTGAAATGCATAGAGATGAAGAAGAAACTCCGATT
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TA

>OTU5013;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Bacilli(0.9462),o:Lactobacillales(0.6881),f:Lactoba
cillaceae(0.4224),g:Lactobacillus(0.0904);

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GACTTGAGTGCAGAAGAGGACAGTGGAATTCCATGTGTAGCGGTGGAGTGCGTAGATATATGGAAGAACACCAGTG
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TA

>OTU5014;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9348),c:"Bacteroidia"(0.7114),o:"Bacteroidales"(0.4
280),f:Bacteroidaceae(0.1485),g:Bacteroides(0.0326);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
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>OTU5015;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Ruminococcaceae(0.0252),g:Sporobacter(0.0066);

AAGGGAGGAAGAAGGGGGGAAGAGGGGGAAAGGGGGGAAAAAAGGAAGGAGAAAGGAAGAGTGAGGGGAGAAGGCCTTCGGGTTGTAAAACTCTTGTACCAGGGACGAAGGACGGGACGGTACCGGGAGAAAAAGCAAAGGCTAACTACGTGACAGCAGCCGCGGAAATACGTAGGTTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGATGCAAGTTGGGAGTGAAATCCCGGGGCTCCACCCCTGAACTGCTTTCAAAACTGTATCCCTTGAGTATCGGAGAGGCAAGCGGAACTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGTCTTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTTGTA

>OTU5016;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:"Bacteroidia"(0.0626),o:"Bacteroidales"(0.0413),f:Prolixibacteraceae(0.0099),g:Draconibacterium(0.0046);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGCCTGAACCAGCCACGCCGCGTGCAGGAAGGAGGTCTTCTGGATTGTAAACTGCTTTTTTCGGGGAATAATAAGACTTTTGCGAAGGTTGATGCAGGTACCCGAAGAACAAGGATGCGCTAACTCTGTGACAGCAGCCGCGGTAATACGGAGGATTTGAGCGTTATCCGGTTTTATTGGGTTTAAAGGGTGCGTAGGCGGTTAGATAAGTTTGAGGTAAAATGCTTCTGCTCAACAGGAGTTTGCCTTGAAAACTGTCTGACTAGGATGTAAACGGCGCAGGCGGAATGAATCGTGTAGCGGTGAAATGCATAGATATGATGCAGAACACCGATCGCGAAGGCAGCTTGCGAGGATACAATTGACGCTGAGGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU5018;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9762),o:"Bacteroidales"(0.9497),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGATAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTCTATGGGTTGTAAACTTCTTTTATATAAGAATAAAGTGCAGTATGTATGCTGTTTTGTATGTATCATATGAATAAGGATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGGTAAGTCAGTTGTGAAAGTTGGCGGCTCAACCGTAGAAGTGCAGTTGATACTGGCAGTCTTGAGTGCAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAATTCCGATTGCGAAGGCAGCTCACTGGACTTCAACTGACGCTAATGCTCGAAAGTGTGGGTACCAAACAGGATTAGATACCCTGGTA

>OTU5017;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Peptostreptococcaceae(0.1872),g:Clostridium_XI(0.0519);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGATTTATTGGGTGTAAAGGGTGCGTAGACGGTTATGCAAGTTGGTTGTGAAATCCCGAGGCTCAACTTCGGAACTGCAACCAAAACTGTGTAACTCGAGTGCGGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACGATGACTGACACTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU5020;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Peptostreptococcaceae(0.1872),g:Clostridium_XI(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGGAGTGAAAGGCTACGGCTCAACCGGAGTAAGGCATTTCAAATGGGAAACCTGAGTGCAGGAGAGGGGGGTGGAATTCCCAGGGGAGGGGGTAAATTCGTAGGTAATAGGGGGAACACCAGTTGCGAAGGCGGCTCTCTGGACTGGAACTGAAAGCGAGGGATGAAAGCGTTGGGAGCAAACAGGATTAGATAACCTGGTA
>OTU5019;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Ruminococcaceae(0.0560),g:Saccharofermentans(0.0134);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTCTTCGGATTGTAAACTTCTTTTATGAGGGACGAAGGACGTGACGGTACCTCATGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCCGTAAGGGTCAGACGTGAAATATGTGGGCTTAACTCACAGACTGCGTTTGAAACTATTATTCTAGAGTATGGGAGAGGTAGGTGGAATTCTTGGTGTAGGGGTAAAATCCGTAGAGATCAAGAGGAATACTCATTGCGAAGGCGACCTGCTGGAACATTACTGACGCTGATGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU5021;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Bacilli(0.9038),o:Lactobacillales(0.5766),f:Lactobacillaceae(0.2524),g:Lactobacillus(0.0615);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGTTCTTCGGATCGTAAAACTCTGTTGTTAGAGAAGAACACGAGTGAGAGTAACTGTTCATTCGATGACGGTATCTAACCAGCAAGTCACGGCTAACTACGTGCCAGCAGCCGCGATAATACGTAGGTGTCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAATGATAAGTCAGATGTGAAAGTCCACGGCTCAACCGTAGAACTGCAGCGGAAACTGTCAGTCTTGAGTGCAAAAGAGGAGAGTGGAATTCGATGTGTAGCGGTGGAATGCGTAGATATAACGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU5022;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Bacilli(0.8048),o:Lactobacillales(0.4652),f:Lactobacillaceae(0.2524),g:Lactobacillus(0.0712);
ACGGGAGGCAGCAGTAGGGAACCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGGTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGCAGTAACTGGTCTTGATGTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGTTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGCATGGCAAGTCTGATGTGAAAGCCCAGGGCTCAACCGTGGGACTGCATTGGAAACTGTCCGGCTTGAGTGTCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTTGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGTCTATGACTGACGCTGAGGCTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU5024;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.9280),f:"Porphyromonadaceae"(0.8864),g:Butyricimonas(0.7162);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGATGAATGGTCTATGGCCTGTAAACCTCTTTTGCCAGGGAATAATAAAAGGTACGTGTACCTTCTTGCCTGTACCTTACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGCGCGTAGGCGGGACGTCAAGTCAGCGGTAAAAGACTGCAGCTAAACTGGAGCGAGCCGTTGAAACCGGCGGCCTCGAGAAGAGACGAGGGAGGCGGAACGAGTGAAGTAGCGGTGAAATGCATAGATATCACGTGGAACCCCGATAGCGAAGGCAGCGTCCCAGGCTCGTTCTGACGCTGAGGCGCGAGAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU5023;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Bacilli(0.4812),o:Lactobacillales(0.2359),f:Lactobacillaceae(0.1098),g:Lactobacillus(0.0204);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTCTTAGGGACGAAGCAAGTGACGGTACCTAAGGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTGGGCGGCATGGCAAGTCTGATGTGAAAACCCAGGGCTCAACCGTGGGAGTGCATTGGAAACTGTCAAGCTGGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAGTGGCGAAAGCGGCTCTCTGGTCTGTAACTGACGCTGAGGTTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU5025;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:"Bacteroidia"(0.2321),o:"Bacteroidales"(0.1015),f:Bacteroidaceae(0.0113),g:Bacteroides(0.0056);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGATGACGGTCCTACGGATTGTAAACCTCTTTTGTCGGGGAGTAACGTGCGGGACGCGTCCCGTATTGAGAGTACCCGAAGAAAAAGCATCGGCTCACTCCGTGCCAGCAGCCGCGGTAATACGAAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGCTGGGCAAGCGTGTTGTGAAATGCAGTCGCTCAACGTCAGCACTGCATCGCGAACTGCTGAGCTTGAGTGCGCGCAACGTGGGCGGAATTCGCCGTGTAGCGGTGAAATGCTTAGATATGTCGAAGAACTCCGATGGTGAAGGCAGCTGACGGGTGCGTAACTGACGCTCAGGCTCGAAAGTACGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU5026;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9966),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4652),f:Bacteroidaceae(0.1098),g:Bacteroides(0.0204);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGGATGGATACCCGTTTGTATGTACTTTATGTATAAGGATCGGCTAACTCCGTGCCAGCAGACGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTTATAAGCGTGTTGTGAAATGTCGGGACTCCACCCTGTCATTGCAGCGCGAACTGTGAGACTTGAGTGCTCAGGAAGTAGGCGCAATTCGTCGTGTAGCGGTTAAATGCTTAGATATGACGAAGCACTCCGATTGCGAAGGCAGCCTGCTTTAGCGCAACTGAAGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU5028;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9321),o:"Bacteroidales"(0.8412),f:"Prevotellaceae"(0.4224),g:Prevotella(0.0712);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTGAGGCACGCGTGGCCTTTTGCAGGTACCACATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGCCGTGCAAGCGTGTCGTGAAATGCAGGTGCTCAACGTCTGCACTGCGTCGCGAACTGCAGAGCTTGAGTGCGGGTAACGTTGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCGACGAGTGTGTAACTGACGCTAATGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU5027;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9994),c:Gammaproteobacteria(0.9740),o:"Enterobacteriales"(0.7623),f:Enterobacteriaceae(0.5632),g:Escherichia/Shigella(0.3043);

ACGGGAGGCAGCAGTGGGGAATGTTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTCAGCCGGGAGGAAAGGAGTGAAGTTAATACCTTCTCTCATTGACGTTACCCGCAGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGTACGCAGGCGGTTTGTTAAGCGAGATGTGAAAGCCCCGGGCTTAACCTGGGAACTGCATCTGATACTGGCAAGCTAGAGTGTCGTAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGGCGAAGGCGGCCCCCTGGGCGAAGACTGACGCTCAGGTACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU5030;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9903),o:Lactobacillales(0.9707),f:Lactobacillaceae(0.9294),g:Lactobacillus(0.5720);

CCGGGATTCAGCATTAGGTCATCTTCCCCAATTTTCTCCCGCCTGCTTTCTCCACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGAGAGCGCAGGCGGTCGCTTAGGTCTGATGTGAAAGCCTTCGGCTTAACCGAAGAAGTGCATCGGAAACCGGGCGACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATTGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU5031;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Defluviitaleaceae(0.1098),g:Defluviitalea(0.0181);

CCTTCCTTCCTCCTTTTTTCCTCTTTCCCCCTTTGGGTCCCCCTGATGCAGCGATGCCGCGTGAAGGACGAAGATTTTCGGATCGTAAACTTCTATCAGCAAGGAAAAAAGAGGATAGTACTTGACTAAGCAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGCGTAGGCGGCACCGCAAGTCAGTTGTGAAACCCATGGGCTCAACCCATGGCTTGCAATTGAAACTGCGGAGCTGGAGTACAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTTCTTGACTGAAACTGACGCTTAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU5029;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Peptostreptococcaceae(0.2864),g:Clostridium_XI(0.0808);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGGGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGGAGTGAAAGGCTACGGCTCAAACGTAGTAAGCGCTTGAAACAGGGAAACATGAGTGCAGGGGAGGAAAGTGGAGTTCCTAGTGTGGCGGTGAAATACGTAGATATTAGGAGGAGCACCAGTAGCGAGGGCGGCTTTCTGGACTGTAACTGACACTGAGGCACGAGAGCGTGGGGAGCAAACAGAATTAGATACCCTGGTA
>OTU5032;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Clostridiaceae_1(0.4563),g:Clostridium_sensu_stricto(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGTTTTTCGGAACGTAAAGCTCTGTCTGTGGGGAAGATAATGACGGTACCTGAGTAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGTTTAAGTGTGATGTGAAATACCGGGGCTCAACTTGGGTGTTGCATTCGAAACTGGATATCTAGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACCCTCTAGACTGTCACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU5033;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Bacilli(0.5579),o:Lactobacillales(0.2999),f:Lactobacillaceae(0.1485),g:Lactobacillus(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGTGTGATGAAGGTCTTCGGATCGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGTGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTGCTTAGGTCTGATGTGAAAGCCTTGGGCTTAACCGGAGAGGTGCATCGGATACGGGGAGACTAGAGTGCAAGAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCGGTGGCGAAGGCGGCTGTCTGGTCCGCAACTGACGCTGAGGCGCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU5035;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Bacilli(0.7881),o:Lactobacillales(0.4280),f:Lactobacillaceae(0.1872),g:Lactobacillus(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCCTCAAGGACGAAGGAAGTGACGGGATACAACCAGAAATTCACGGCTAATTACGTTCCAGCAGACGCGGAAATACGTAGCTGGCAAGCGGTATCCGGATTTATTGGGAGTAAAGCGAGCGCAGGCGGATAGTTAGGTCTGACGTGAAAGCCTTCGGCTTAACCGGAGAAGTGCATCGGAAACTGGTCAACTTGAGTGCAGAAGAGGAGAGTGGAACCCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU5034;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Rumin
ococcaceae(0.0904),g:Clostridium_III(0.0157);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGAAGGT
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>OTU5036;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Clostri
diaceae_1(0.5273),g:Clostridium_sensu_stricto(0.3479);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACTCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
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>OTU5037;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9755),o:Clostridiales(0.9389),f:Clostri
diaceae_1(0.6350),g:Clostridium_sensu_stricto(0.4351);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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GTGAGATGTGAAAGACCCGGGCTCAACTGGGGTACTGCATTTCAAACTGGGCGGCTAGAGTGCAGGAGAGGAGAG
TGGAATTCCTTGTGTAGCGGTGAAATGCGTAGAGATAAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGT
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>OTU5040;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.9
280),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);
ACGGAAGGCAGCAGTGAGGAATATTGGACAATGGGCGTTACCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCT
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CGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGAATTATTGGGTTTAAAGGGAGC
GTAGGTGGACTGGTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAGATTGCAGTTGAAACTGTCAGTCTTGAGT
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>OTU5039;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9988),c:Deltaproteobacteria(0.9762),o:Desulfovibrionales(0.9497),f:Desulfovibrionaceae(0.9015),g:Desulfovibrio(0.6681);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGTCTTCGGATCGTAAACCTCTGTCGTAGGGGAAGAAACTAGGGGGCTCTAATCGTCATCCTACCGACGGTACCTTCAAAGGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATCACTGGGCGTAAAGCGAACGTAGGCTGTTATGTAAGTCAGGGGTGAAAGCCCACGGCTTAACCGTGGAACTGCCTTTGATACTGAACGACTTGAATCCGGGAGAGGGTGGCGGAATTCCAGGTGTAGGGGTGAAATCCGTAGATATCTGGAGGAACATCAGTGGCGAAGGCGGCTACCTGGACCGGTATTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU5041;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Ruminococcaceae(0.3884),g:Oscillibacter(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGACGCAAGTCTGACCCAGCAACGCAGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTAAGAGGGAAGAGTAGAAGACGGTACCTCTTGAATAAGCCACGGCTCACTACGTGCAAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGTCTGCAAGTCAGATGTGAAATCCATGGGCTTAACCCATGAATTGCATTTATAATGGTGGATCTTGGGGGCTGGAGGGACATTCGGAATTCCTATGGTAGCGGTGAATTGCTTGAATATTAGGAGGACCACCAGTGGCGAGGGAGGAGTGCTGGACAGTAACTGACGGTGAGGCGCGAAAGGGTGGGAAGCAAACAGGATTAGTTACCCTGTA
>OTU5038;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Peptococcaceae_2(0.0710),g:Desulfotomaculum(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCGCAGAAGACGAAGGAAGTGACGGTATTCTGTGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGAGCGTAGGTGGTAAGGCAAGCCAGAAGTGAAAGCCCGGGGCTCAACCCCGAGGACTGCTTTTGGAACTGTCGAACTAGAGTGCAGGAGGGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTGGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACAGTAACTGACACTGAGGTACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU5042;tax=d:Bacteria(1.0000),p:Firmicutes(0.9994),c:Bacilli(0.9897),o:Lactobacillales(0.9685),f:Lactobacillaceae(0.9015),g:Lactobacillus(0.5720);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGGGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCAGAAAGTCACGGCTAACCACGTGCCAACAGCCGCGGTAATAAGGAGGGGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGGTAGCGCAGGCGGTTGCTGAGGTCTGATGTGAAAGCCTTGGGCTTAACCGAAGAAGTGCATCGGAAACCGGGCGACTTGAGTGCAGAAGAGGCAAGTGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAGT

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>OTU5043;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Lachn
ospiraceae(0.2184),g:Ruminococcus2(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
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CAGCCGCGGTTCTACGTAGGCGGCAAGCTTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAAAGGCAAG
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>OTU5044;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Clostri
diaceae_1(0.1872),g:Clostridium_sensu_stricto(0.0423);
ACGGAAGGCAGCAGTGGGGAAGATAGCACAATGGGGGAGAACGTGAAGCAGCAAGGACGCGAGAGTGATGAGGG
CCTTGGGGTTGGAAAGCTCTGTGATAAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGC
CAGCAGCCGCGGTAATAAGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTT
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>OTU5045;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6036),c:Sphingobacteriia(0.0626),o:"Sphingobacteri
ales"(0.0413),f:Sphingobacteriaceae(0.0099),g:Solitalea(0.0046);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
CCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAAAAAGGGTGTCGCGCAAGTCAGATGAGAGTACCAGGCGAATA
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TGGAGTGCGGATGCCGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACTCAGAACACCGATTGCG
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>OTU5046;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9861),o:Lactobacillales(0.9172),f:Lactoba
cillaceae(0.6709),g:Lactobacillus(0.4351);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGCGTGAAGAAGGG
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AAGTCACGTCTAACTACGTCCCCGCAGCCGCGGTAATACGTCTGTGGCTAGCGTTATCCGGATTTATTGGGCGTAAAG
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diaceae_1(0.3544),g:Clostridium_sensu_stricto(0.0904);
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diaceae_1(0.1679),g:Clostridium_sensu_stricto(0.0423);
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280),f:"Prevotellaceae"(0.1098),g:Prevotella(0.0204);
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ospiraceae(0.3884),g:Dorea(0.1735);
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781),f:"Porphyromonadaceae"(0.0252),g:Barnesiella(0.0076);
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252),f:Bacteroidaceae(0.2524),g:Bacteroides(0.0712);
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ales"(0.0352),f:"Cyclobacteriaceae"(0.0086),g:Algoriphagus(0.0043);
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172),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);
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ococcaceae(0.8864),g:Ruminococcus(0.6200);
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diaceae_1(0.2524),g:Clostridium_sensu_stricto(0.0615);
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959),f:"Prevotellaceae"(0.1872),g:Prevotella(0.0423);
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acteriales"(0.4652),f:Enterobacteriaceae(0.2864),g:Escherichia/Shigella(0.0519);
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ales"(0.4280),f:Sphingobacteriaceae(0.2524),g:Solitalea(0.0615);
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ococcaceae(0.0113),g:Clostridium_III(0.0056);
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diaceae_1(0.2524),g:Clostridium_sensu_stricto(0.0712);
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erales(0.9730),f:Rhodobacteraceae(0.9666),g:Paracoccus(0.7643);
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52),f:Erysipelotrichaceae(0.5273),g:Turicibacter(0.3479);
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606),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);
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685),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);
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412),f:"Porphyromonadaceae"(0.3204),g:Parabacteroides(0.0904);
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606),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);
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707),f:Bacteroidaceae(0.8505),g:Bacteroides(0.7643);
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063),f:Bacteroidaceae(0.5273),g:Bacteroides(0.3479);
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395),f:Bacteroidaceae(0.1098),g:Bacteroides(0.0204);
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781),f:Bacteroidaceae(0.0252),g:Bacteroides(0.0076);
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GTCTGATGTGAAAGCCTTCGGCTTAACCGAAGAAGTGCATCGGAAACCGGGCGACTTGAGTGCAGAAGAGGTGGGC
GGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGACTGCAA
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0.0000),f:Corynebacteriaceae(0.0000),g:Corynebacterium(0.0000);
GGTATCGTCTGTGAGCGTTGTGGTGTGGAGGTCACTGAAAGCCGGGTGCGTCGTCACCGGATGGGTTTCATCAAGCT
GGCAGCACCGGTCTCTCACGTCTGGTACCTGAAGGGCATCCCCAGCTATGTGGCCATCCTTCTGGACATGCCCCTGCG
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AGCTGCTCACCGAGGACGAGTGGCTGGAGATCGAAGACGAGATCTATGCCGAGGAATCGGAGATCGAGAACGAGC
CTGTGGTGGGCATCGGTGCTGAGGCGCTCAAGCAACTGCTCGAAGACCTCAATCTGGTGGAAGTGGCTGAGCAGCT
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0),f:Veillonellaceae(0.0000),g:Pectinatus(0.0000);
ATGGCCGCCCCGCCTTTGGTCTTTATCCATCTTAGAAATGCCACAAGCCTCAATAGCAGGTTTAAGATCCTCGATACGC
GCAAAGTCAAAATAATCAGCGTGACATTCAGAAGGGTAATAAGAACGAACCATAAAAAAGCCTCCAAGAGTTGGAG
GCATGAAAACATACAATTGGGAGAGTGTCAATCCTGACGGTTATTTCCTAGACAAATTAGAGCCAATACCATCAGCTT
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acteriales"(0.8846),f:Enterobacteriaceae(0.8146),g:Escherichia/Shigella(0.4351);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTATGAAGAAGCCCTC
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CGCACGCAGGCGGTTTGTTAAGTCAGACGTGAAATCCGCGGGCTCAACCTGGGAACTGCATCTGATACTGGCAAGCT

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707),f:Bacteroidaceae(0.8505),g:Bacteroides(0.7643);
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CGTAGGTGGACTGGTAAGTCAGTCGTGAAATGTTGCGGCTCAACCGTAGAAGTGCATTGGGTACTGTCAGTCTTGAG
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acteriales"(0.6138),f:Enterobacteriaceae(0.4224),g:Cronobacter(0.0808);
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941),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);
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crobiales(0.0000),f:Methanoregulaceae(0.0000),g:Methanoregula(0.0000);
TTCCTTTTTTTTTCTCTCTTCTTTTTTTCTTTCCCCGCTCGCCGCGTGCGTCGTCACCGCATGGGCTTCATCAAGCTGGCG
GCACCGGTTTCCCATGTCTGGTACTTGAAGGGGATCCCCAGCTACGTGGCCATCCTGCTGGACATGCCCCTGCGGGAT
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GGTGGGCATCGGTGCTGAGGCGCTCAAGCAACTGCTCGAAGACCTCAATCTGGTGGAAGTGGCTGAGCAGCTGCGT
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diaceae_1(0.6709),g:Clostridium_sensu_stricto(0.3479);
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diaceae_1(0.3884),g:Clostridium_sensu_stricto(0.0904);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGAAGGC
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389),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);
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CGTAGGTGGACTGGTAAGTCAGTAGTGAAAGTCTGCGGCTCAACCGTATAATTGCAGTTGATACTGGCAGTCTTGAG
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ococcaceae(0.5991),g:Faecalibacterium(0.0712);
CCGGGAGGCAGCAGTGGGGAATATTGCACAATTTCGGCCCCTCTGATGCAGCGACGCCGCGTGAGGGAAGAAGGTC
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CAGCCGCGGTAAAACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGAGAGCAA
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AATTCCCGGTGTAGCGGTGGAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCCTACTTGGCACTAAC
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GTGCCAGCAGCCGCGGTAATACGGGCGTGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGCGTCCGCAGGCGGCC
CAACAAGTCTGCTGTTAAAAAGTGGAGCTTAACTCCATCATGGCAGTGGAAACTGTTGGGCTCGAGTGTGGTAGGGG
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GCCATCACTGACGCTCATGGACGAAAGCCAGGGGAGCGAAAGGGATTAGATACCCCTGTAGTCCTGGCCGTAAACG
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GAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGATAATCGGAATCACTGAGCGTA
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:Synergistaceae(0.0000),g:Aminobacterium(0.0000);
GGCATTGTCTGCGAGCGTTGCGGCGTTGAGGTCACCGAGAGTCGGGTGCGCCGCCATCGCATGGGCTTCATCAAGCT
GGCGGCCCCGGTGTCCCACGTCTGGTACCTGAAGGGCATCCCCAGCTACGTGGCGATCCTGTTGGACATGCCTCTGC
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diaceae_1(0.8505),g:Clostridium_sensu_stricto(0.7643);
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775),f:"Prevotellaceae"(0.9573),g:Prevotella(0.7643);
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diaceae_1(0.4224),g:Clostridium_sensu_stricto(0.1299);
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ospiraceae(0.2864),g:Clostridium_XlVa(0.0712);
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ospiraceae(0.3204),g:Clostridium_XlVa(0.0808);
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995),f:"Rikenellaceae"(0.5991),g:Alistipes(0.3479);
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483),f:Bacteroidaceae(0.0560),g:Bacteroides(0.0134);
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063),f:"Porphyromonadaceae"(0.8146),g:Parabacteroides(0.4787);
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ospiraceae(0.2184),g:Clostridium_XlVa(0.0615);
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acteriales"(0.8737),f:Enterobacteriaceae(0.7787),g:Escherichia/Shigella(0.3915);
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412),f:Bacteroidaceae(0.4563),g:Bacteroides(0.2607);
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685),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGAGCTAGCCTGAACCAGCCAAGTAGCGTGCAGGATGAAGGC
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629),f:Bacteroidaceae(0.4563),g:Bacteroides(0.2607);
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AGCTGCTCACCGAGGACGTGTGGGTGCAGATCGAAGACGATTTCTATGCCGCGGGATCTGTGATTGAGAACGAGCCT
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846),f:Bacteroidaceae(0.5273),g:Bacteroides(0.3479);
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ospiraceae(0.7068),g:Clostridium_XlVa(0.5239);
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diaceae_1(0.3884),g:Clostridium_sensu_stricto(0.1735);
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623),f:Bacteroidaceae(0.2864),g:Bacteroides(0.0808);
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diaceae_3(0.0099),g:Sporosalibacterium(0.0046);
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teriaceae(0.3204),g:Eubacterium(0.0904);
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ionales(0.0000),f:Desulfohalobiaceae(0.0000),g:Desulfonatronovibrio(0.0000);
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846),f:"Rikenellaceae"(0.8146),g:Alistipes(0.7162);
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ales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Solitalea(0.0056);
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719),f:Bacteroidaceae(0.0710),g:Bacteroides(0.0157);
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ococcaceae(0.0355),g:Clostridium_IV(0.0076);
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753),f:Bacteroidaceae(0.9015),g:Bacteroides(0.8605);
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ospiraceae(0.4914),g:Lachnospiracea_incertae_sedis(0.1735);
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ospiraceae(0.4914),g:Clostridium_XlVa(0.2607);
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ales(0.0000),f:Oxalobacteraceae(0.0000),g:Massilia(0.0000);
TCGCAGTCGGCGGAAAACGAACACGCGCAAGCGTACACATCGTGCCATGCTCAGGACCCCAGAAACGCGGCACAGC
ATGTTTATAGGTCTGTTGAACACGACCAGAAAAGTGGCCTAACGACGTTTGGTCAGTTCCATCAACATCATAGCCAGA
TGCCCAGAGATTAGAGCGCATGACAAGTAAAGGACGGTTGTCAGCGTCATAAGAGGTTTTACCTCCAAATGAAGAAA
TAACATCATGGTAACGCTGCATGAAGTAATCACGGTCTGGGTCAGTATGCAAAGTAGCATAAGAAGCGTGCAGACCC
ATAATGGCAAGAGATGTGGTAGAAGTCGTCATGTGGCG
>OTU5208;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9867),c:"Bacteroidia"(0.9604),o:"Bacteroidales"(0.8
629),f:Bacteroidaceae(0.4224),g:Bacteroides(0.2171);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGT
CCTACGGATTGTAAACTTCTTTTATAAGGGAATAAAACGCTCCACGTGTGGAGCCTTGTCTGTACCTTATGAATAAGC
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGCAGACGGGATGTTAAGTCAGATGTGAAAGTTTGAGGCTCAACCGTAAAATTGCAGTTGATACTGGCGTTCTTGA
GTGCAGGAGAGGTGAGCGGAAGTCGTGGTGTAGCGGTGAAATGCGTAGATATCACGAAGAACTCCGATGGCGAAG
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>OTU5211;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9784),o:"Bacteroidales"(0.9
707),f:Bacteroidaceae(0.8864),g:Bacteroides(0.8124);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCAAAGTAGCGTGAATGATGAAGGTT
CTCTGGGTCGTAAACATCTTTTATATAAGAATTAAGTGCAGTATGTATACTGTTTGGTATGTATTATATGAATAAGGAT
CGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGTGTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGATC
GTAGGTGGACTGGTAAGTCAGTAGTGAAAGTTTGCGGCTCAACCTTAGAGTTGCAGTTGATACTGTCAGTCTTGAGT
ACAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCGCGAAGAACTCCGATTGCGAAGGCA
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>OTU5210;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9791),o:Clostridiales(0.9730),f:Clostridiaceae_1(0.8146),g:Clostridium_sensu_stricto(0.5720);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGTAAACCCTGATGCAGCAACGCCTCGTGAGTGATGACGGCCTTCTGTTTGTAAATCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAAGTGAGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCATTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAATGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGGGGCGAAGGGAACTATACGGACTGTAAACGAGGCGGAGGCTCGAAAGAGGGGAGAGAAAACAGGATTAGATACCCTGGTA
>OTU5212;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9840),o:"Bacteroidales"(0.9889),f:Bacteroidaceae(0.4914),g:Bacteroides(0.3043);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCCGAACCAGCCAAGTAGCGTGAAGGATAAAGGTCCTACGGATTGTAAACTTCTTTTATAAGGGAATAAAGCGCTTCACGTGTGGTGCCTTGTATGTACCTTCTGAATAAGCATCGGCTACTTCCGTGCCAGCAGCCGCGGTAATACGGCAGTTGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGACGGGATGTTAAGTCAGCTGTGAAAGTTTGCTGCTCAACCGTAAAACTGCAGTTGATACTGGCGTTCTTGAGTGCAGTTGAGGTGTGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTAAACTGTAACTGACGTTCATGCTCGAAAGTGTGGGTATCAAACAGGATTCGATACCCTGGTA
>OTU5213;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9719),o:"Bacteroidales"(0.8846),f:Bacteroidaceae(0.4914),g:Bacteroides(0.3043);
ACGGGAGGCAGCAGTGAGGGATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGTCCTACGGATGGTAAACTTCTTTTATAAGGGAATAAAACGCTCCACGTGTGGAGCCTTGTATGTACCTTATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGGGGTAGGTGGACTGGTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCATTTGATACTGTCAGTCTTGAGTACAGTAGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTAAGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU5215;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.7995),f:Bacteroidaceae(0.3544),g:Bacteroides(0.1299);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTCGCGTGCAGGATGACGGCCTTATGGGTTGTAAACTGCTTTTATACGGGGATAACGTGTGCCACGTGTGCCTTATTGCGGGTACCCTATGAATAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGTGGACCGGTAAGTCAGCTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGTCAGTCTTGAGTACAGTAGAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTTACTGGACTGCAACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU5216;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9798),o:"Bacteroidales"(0.9753),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTCTATGGGTCGTAAACTTCTTTTATACAAGAATAAAGTGCAGTATGTATATTGTTTTGTATGTATCATATGAATAAGGACCAGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGGTAAGTCTGATGTGAAAGTTTGGGGCTCAACCGTAAAATTGCAGTTGATACTGTCAGTCTTGAGTGCAGTAGAGGTAAGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTGACTGGACTGTAACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU5214;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Lachnospiraceae(0.2184),g:Clostridium_XlVa(0.0423);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGATAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGTCGGGAAAGTCAGAAGTGGAAGCCCGGGGCCCAACCCGGGGACTGCTTTTGAAACTGGTGAACTTGAGTACGGGAGAGGCAGGCAGAATTCCTGGTGTAGCGGTGAAATGCATAGATATCAGGAAGAATACCAGTGGCGAAGGCGGCTTGCTGGACCGAGACTGACACTGAGGCTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU5218;tax=d:Bacteria(1.0000),p:Cyanobacteria/Chloroplast(0.9991),c:Cyanobacteria(0.9966),f:Family_II(0.9873),g:GpIIa(0.9799);

GTGCCAGCAGCCGCGGTAATACGGGAGTGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGCGTCCGCAGGCGGCCTTGTAAGTCTGTCGTTAAAGCGTGGAGCTTAACTCCATTTCAGCGATGGAAACTACAAGGCTTGAGTGTGGTAGGGGCAGAGGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCTGGAAGAACACCAGTGGCGAAGGCGCTCTGCTGGGCCATAACTGACGCTCATGGACGAAAGCCAGGGGAGCGAAAGGGATTAGATACCCCTGTAGTACTGGCCGTAAACGATGAACACTAGGCGTCGGGGGAATCGACCCCCTCGGTGTCGTAGCCAACGCGTTAAGTGTTCCGCCTGGGGAGTACGCACGCAAGTGTGAAACTCAAAGGAATTGACGGGG

>OTU5217;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Eubacteriaceae(0.3884),g:Eubacterium(0.1735);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGATCCAGCAACGCCGCGTGAAGGAAGAAGGTTTTCGGATGGTAAACCTCTGTCGCAGGGGACGAAGTTAGCGACGGTCCCCTGTAAGAAAGCCCCGGCTAACTACGTGCCAGCAGCTGCGGTAATACGTAGGGTGCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGGAATCAAGTCAGCTGTGAAAACTACGGGCTGAACCTGTAGACTGCAGTTGAAACTGGGCTTCTTGAGTGAAGTAGAGGTTGGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCGGTGGCGAAGGCGGCCAACTGGGCTTTAACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU5220;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8267),c:"Bacteroidia"(0.4045),o:"Bacteroidales"(0.1719),f:"Prevotellaceae"(0.0252),g:Prevotella(0.0076);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGTCCTACGGATTGTAAACCTCTTTTGCCGGGGAGTAAAGGGGCCAACGCTGGCAGGATGGGCGTACCCGGAGAAAAAGCATCGGCTAACCTCGTGCCAGCAGCCCGGGTCATACGGAGGGTGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGACTCGTCAAGTCGTCGGGAAAAATTCGGGCCCCACCCTCGTCCTGCAGTTGATACTGGGAGACTGGAGTGCGACATAGGAAGGCGGAATTCGTTGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU5219;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachnospiraceae(0.4563),g:Blautia(0.0904);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGGACGTGACGGTACCTGGAGAAAAAGCAACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTTGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGACTGGCAAGTCTGATGTGAAAGGCATGGGCTCAACCTGTGGACTGCATTGGAAACTGTTAGTCTTGAGTGCCGGAGGGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU5222;tax=d:Bacteria(0.0024),p:"Synergistetes"(0.0000),c:Synergistia(0.0000),o:Synergistales(0.0000),f:Synergistaceae(0.0000),g:Pyramidobacter(0.0000);

GGGATTGTTTGTGAGCGTTGCGGCGTCGAGGTCACCGAGAGTCGGGTGCGCCGCCATCGCATGGGCTTCATCAAGCTGGCGGCCCCGGTGTCCCACGTCTGGTACCTGAAGGGCATCCCCAGCTACGTGGCGATCCTGTTGGACATGCCTCTGCGGGATGTGGAGCAGATCGTCTACTTCAACTGCTATGTGGTGCTGGATCCCGGCGATCACAAGGATCTCAAGTACAAGCAGCTCCTCACGGAAGATGAGTGGCTGGAAATCGAAGATGAGATCTACGCCGAAGATTCAGAGATTGAAAACGAGCCTGTTGTTGGCATCGGCGCCGAGGCTCTCAAGCAGCTTCTCGAAGATCTCACCCTTGATGAGGTAGCCGAGCAGCTGCGCGAGGAGATCGTCGGCAGCAAGGGGCAGAAGCGGGCGAAGCTGAGCAAGCGCCTACG

>OTU5221;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Epsilonproteobacteria(0.9882),o:Campylobacterales(0.8955),f:Campylobacteraceae(0.8505),g:Campylobacter(0.7643);

ACGGGAGGCAGCAGTAGGGAATATTGCACAATGGGGGAAACCCCGACGCAGCAACGCCGCGTGGGGGATGACACTTTTCGGAGCGTAAACTCCTTTTCTTAGGGAAGAAGTCTGACGGTCCCTAAGAAATAAGCACCGGCTAACTCCGGCCCAGCAGCCGCGGTATACGGAGGGTGCAAGCGTTACTCGGAATCACTGGGCGTAAAGGGCGCGTAGGCGGATTACCAAGTCTCTTGTGAAATCTAATGGCTTAACCATTAAGCTGCTTTTGAAACTGATAGTCTAGAGTGAGGGAGAGGGAGATGGAATTGGTGGTGTAGGGGTAAAATCCGTAGATATCACCAAGAATACCCATTGCGAAGGCGATATGCTGGAACTCGACTGACGCTAAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU5225;tax=d:Bacteria(0.0024),p:"Deinococcus-
Thermus"(0.0000),c:Deinococci(0.0000),o:Thermales(0.0000),f:Thermaceae(0.0000),g:Thermus(0.0000);
GGCATCGTTTGCGAGCGCTGTGGTGTGGAGGTCACGGAGAGCCGGGTGCGACGCCATCGCATGGGCTTTATCAAGC
TGGCAGCTCCCGTATCCCACGTCTGGTACCTCAAGGGCATTCCCAGTTACGTGGCCATCCTGCTTGACATGCCACTGC
GTGATGTCGAGCAGATCGTCTACTTCAACTGCTATGTGGTGCTGGATCCCGGCGATCACAAGGATCTCAAGTACAAG
CAGCTGCTCACCGAGGACGAGTGGCTGGAGATCGAGGACGAGATCTACGCCGAGGAATCCGAAATCGAGAACGAG
CCCGTGGTGGGCATCGGTGCCGAGGCCCTCAAGCAGCTGCTGGAGGACCTCACCCTGAATGAGGTGGCCGAACAGC
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>OTU5224;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Clostri
diaceae_1(0.3884),g:Clostridium_sensu_stricto(0.1735);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAACCCTGATCCAGCAACGCAGCGTGAGTGATGAAGGCT
CTACGAGCGTAAAGCTCTGTCTTTGGGGAAGATAATTACGCTACCCAAGGGGGAAGCCACGGCTAACTACGTGACAG
CAGCCGCGGTACTACGCAGGCGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAAG
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GAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAG
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>OTU5223;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9933),c:Epsilonproteobacteria(0.9726),o:Campylob
acterales(0.8412),f:Campylobacteraceae(0.6709),g:Campylobacter(0.5239);
ACGGGAGGCAGCAGTAGGGAATATTGCGCAATGGGGGAAACCCTGAAGCAGCAACGCCGCGTGGAGGATGACACT
TTTCGGAGCGTAAACTTCTTTTCATAGGGAAGTATTCTGACGGTCCCTAAGGAATAAGCACCGGCTAACTCCGTGCCA
GCAGCCGCGGTAATACGGAGGGTGCAAGCGTTACTCGGAATCACTGGGCGTAAAGGGCGCGTAGGCGGATTATCAA
GTCTCTTGTGAAATCTAATGGCTTAACCATGAAACTGCGTGGGGAACTGATTGTCTAGAGTGTAGGAGAGGCAAGTG
GAATTGGTGGTGTAGGGGTAAAATCCGTAGATATCACGAAGAACACCCATTGCGAAGGCGGTCTGCTAGACCTCAAC
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>OTU5227;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.9
063),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTTAGCCCGAACCAGCCAAGTAGCGTGAAGGATGAAGGC
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TCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGTAGGTGGACTGGTAAGTCAGGTGTTGGAGTTTGGGGCTCAACCGTAAAATTTGAGTTGATACTGTCAGTCTTGAG
GACAGTAGAGGTGAGCGGAATTCGTGGTGTTGCGGGGAAATGCTTAGGTATCCCTAAGAACTCCGATTGCGAAGGG
AGCTCACTGGACTGCAACTGACACTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGGTACCCTGGTA

>OTU5226;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9441),c:Deltaproteobacteria(0.6346),o:Desulfovibrionales(0.3639),f:Desulfovibrionaceae(0.1872),g:Desulfovibrio(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCCGACGCAGCGACGCCGCGTGTGTGATGAAGGTCTTCGGATCGTAAACCACTGTAAGAAGGGAAGAAACTCGGTTACTTTAATCATCATTCTTCTGACGGTACCTTCAGAGGAAGCACCGGCTAACTCTGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATCACTGGGCGTAAAGCGCACGTAGGCGGTTATGTAAGTTAGGTGTGAAATCCCACGGCTCAACCTGGGAACTGCCTTCGATACTGCACGACTAGAATCTGGTAGAGGGTGGTGGAATTTCATGTGTAGGGGTGAAATGCGTAGATATCGGGAGGAACATCAGTGGCGAAGGCGACCACCTGGACCGATATTGACACTGAGGTGCGAAAGCGTGGGGAAGCAAACAGGATTAGATACCCTGGTA

>OTU5228;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Peptostreptococcaceae(0.1291),g:Clostridium_XI(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCGGATGCAGCAACGCAGCGTGAGTGATGAAGGTTTTCGGATAGTAAAGCTCTGTCCTCAAGGAAGATAATGAAGGTACGTGAGGAGGAAGCCCCGGCTCACTACGTGCCAGCCGACGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTACGTAGGTGGTTTCTTAAGTCAGAGGTGAAAGGCTACGGCTCAACCGTAGTAAGCCTTTGAAACTGGGAATCTTGAGTGCATGAGAGGAGAGTGGAATTCATAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACCCCAGTTGCGAAGGCGGCTATCTGGACTTTAACTGACACTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU5230;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9994),c:"Bacteroidia"(0.9798),o:"Bacteroidales"(0.9753),f:Bacteroidaceae(0.9108),g:Bacteroides(0.9085);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTCGCGTGAAGGATGAAGGCTCTATGGGTCGTAAACTTCTTTTATATAAGCATAAAGTGCAGTATGTATACTGTTTTGTATGTATTATATGAATAAGGATCGACTAACTCCGTGCCAGCAGCCGCGGTAATACGGCGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGGTAAGTCAGTTGTGAAAGTCTGCGGTTCAAGGGTAAAATTGCAGTTGATACTGTCAGGCTTGAGTACAGGAGAGGTGGGCGGAATTAGTGGTGTAGCGGTGAAATGCTTAGATATCGCTAAGAACTCCGGTTGCGAAGGCAGCTCACTGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU5229;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.7727),c:Gammaproteobacteria(0.4812),o:"Enterobacteriales"(0.2039),f:Enterobacteriaceae(0.0904),g:Escherichia/Shigella(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTACTCATTGACGTTACCCGCAGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGGTAAGTAAGTTGTGAAAGTTTGCGGCTAAACCGTAAAATTGCCATTGAAAATGGGAGACTTGAGTATGTTGGAGGTAGGCGGAAGGCGTGGTGGAGCGGTGAAATGAATAGATATCACGCAGAACTCCGATT

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TA
>OTU5232;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9784),o:"Bacteroidales"(0.9
707),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGC
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CGTAGGTGGATTGGTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAGAATTGCAGTTGATACTGTCAATCTTGAGT
GCAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGAGATCACGAAGAACTCCGATGGCGAAGGC
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>OTU5231;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8267),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3
319),f:"Porphyromonadaceae"(0.1679),g:Butyricimonas(0.0423);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAATGG
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>OTU5233;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9572),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.6
138),f:Bacteroidaceae(0.1872),g:Bacteroides(0.0519);
GTGTCAGCAGCCGCGGTAATACGGAAGGTCCAGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGAT
TGTTAAGTCAGCGGTTAAAGGGTGTGGCTCGACCATGCATTGCCGTTGAAACTGGCGATCTTGAGTGCAGACAGGGA
TGCCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATCGCGAAGGCAGGTGTCCGGGC
TGCAACTGACGCTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTAGTCCACACAGTAAACGATG
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>OTU5235;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:Sphingobacteriia(0.9733),o:"Sphingobacteri
ales"(0.9063),f:Chitinophagaceae(0.8146),g:Lacibacter(0.2171);
GTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTATCCGGATTCACTGGGTTTAAAGGGTGCGTAGGCGGGT
TTGTAAGTCAGTGGTGAAATCCCCAAGCTTAACTTGGGAACTGCCATTGATACTGCAAGTCTTGAATTTTCTGGAGGT
AAGCGGAATATGTCATGTAGCGGTGAAATGCTTAGATATGACATAGAACACCCATTGCGAAGGCAGCTTACTACGGG
AACATTGACGCTGAGGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTAGTCCACGCCCTAAACGATG

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>OTU5234;tax=d:Bacteria(1.0000),p:Firmicutes(0.9994),c:Clostridia(0.9776),o:Clostridiales(0.9685),f:Clostri
diaceae_1(0.6709),g:Clostridium_sensu_stricto(0.5239);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGC
TTTCGGATCGTAAAGCTCCGTCTTTGGGGAAGATAATGACGGTACCTAAGGAGGAAGCCACGGCCAACAACGTGCCA
GCCGCCGCGGTAATATGCAGGCGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAA
GTGTGATGTGAAATACCCGGGCTCAACTTTGGAGCTGCATTCCGAACTGGTTATCTAGAGTGCGGGAGAGGAGAGT
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTA
ACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
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483),f:Bacteroidaceae(0.0560),g:Bacteroides(0.0134);
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995),f:"Porphyromonadaceae"(0.4563),g:Parabacteroides(0.2607);
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CGTAGGCCGCCTTTTAATTCAGCGGTGAAACTCTGCGGTTCAACCATAGAAGTGCCGTTAAAACTGGGAGGCTTTAGT
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obiales(0.0000),f:Verrucomicrobiaceae(0.0000),g:Luteolibacter(0.0000);
GGCATTGTTTGTGAGCGTTGTGGTGTAGAGGTCACGGAGAGCCGGGTGCGACGCCATCGCATGGGCTTTATCAAGCT
GGCAGCTCCCGTATCCCATGTCTGGTACCTCAAGGGCATTCCCAGTTACGTGGCGATCCTGCTTGACATGCCACTGCG
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19),f:Erysipelotrichaceae(0.1679),g:Turicibacter(0.0423);
ACGGAAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGAATGATGAAGGC
CTTCGGGTTGTAAAATTCTGTTATAAGGGAAGAACGACTTTAGTAGGAAATGGCTAGAGTGTGACGGTACCTTATGA
GAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGT
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ospiraceae(0.3884),g:Robinsoniella(0.1299);
ACGGGAGGCAGCAGAGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGCGAAGGAAGAAGTA
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diaceae_1(0.1098),g:Clostridium_sensu_stricto(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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teriaceae(0.5632),g:Eubacterium(0.3915);
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249),f:"Prevotellaceae"(0.0149),g:Paraprevotella(0.0066);
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0.5395),f:Acidimicrobiaceae(0.3544),g:Ilumatobacter(0.1299);
GTGTCAGCAGCCGCGGTGACACGTAGGCTCCAAGCGTTGTCCGGATTTATTGGGCGTAAAGAGCTCGTAGGCGGTTG
AGTAAGTCGGGTGTGAATACTCTAGGCTTAACCCGGAGACGCCATCCGATACTGCTCTGACTAGAGTTCAGGAGGGG
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diaceae_1(0.0904),g:Clostridium_sensu_stricto(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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52),f:Erysipelotrichaceae(0.2864),g:Turicibacter(0.0808);
ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGAATGATGAAGGC
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1),f:Veillonellaceae(0.0073),g:Anaeroarcus(0.0039);
GTGTCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGCGTAAAGCGCGCGCAGGCGGTG
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cillaceae(0.1098),g:Lactobacillus(0.0204);
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ospiraceae(0.4914),g:Blautia(0.1735);
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ospiraceae(0.5991),g:Ruminococcus2(0.3043);
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280),f:"Porphyromonadaceae"(0.1485),g:Parabacteroides(0.0230);
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846),f:"Prevotellaceae"(0.5273),g:Prevotella(0.1299);
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diaceae_1(0.5632),g:Clostridium_sensu_stricto(0.3915);
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0.0000),f:Micrococcaceae(0.0000),g:Kocuria(0.0000);
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629),f:"Prevotellaceae"(0.3884),g:Prevotella(0.1735);
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389),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);
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streptococcaceae(0.2184),g:Clostridium_XI(0.0615);
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Chlamydiaceae(0.0000),g:Chlamydia(0.0000);
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ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGTCACGTGAAGGAAGAAGGC
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CCAGCAGCCGCGGTAATACGTAGGCGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGATT
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es(0.2999),f:Planctomycetaceae(0.1485),g:Zavarzinella(0.0087);

GTGTCAGCCGCCGCGGTAAGACGAACCGTGCGAACGTTGTTCGGAATCATTGGGCTTAAAGGGCGCGTAGGCGGGT
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>OTU5267;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.9
389),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);

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CGGCCAACTCCGTTCCAGCAGCCGCGGTCATACGGAGGATCCGCTCGTTATCCGGATTTATTGGGTTTAAAGGGAGC
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>OTU5265;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Lachn
ospiraceae(0.2184),g:Clostridium_XlVa(0.0519);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
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AGCAGCCGCGGTAATACGTAGGGTGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAGAGGC
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I(0.9873),g:GpIIa(0.9837);
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0.0000),f:Flavobacteriaceae(0.0000),g:Empedobacter(0.0000);
GGCATTGTCTGTGAGCGTTGTGGTGTGGAGGTCACCGAGAGCCGGGTGCGTCGTCACCGGATGGGTTTCATCAAGCT
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ospiraceae(0.1485),g:Blautia(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTA
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ospiraceae(0.0355),g:Lachnospiracea_incertae_sedis(0.0087);

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cillaceae(0.9015),g:Lactobacillus(0.6200);
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GACTGGAGTGCAGGAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATAAGGAAGAACACCAGT
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ococcaceae(0.1485),g:Clostridium_III(0.0230);
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>OTU5274;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.9
606),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);

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diaceae_1(0.7068),g:Clostridium_sensu_stricto(0.5720);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
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497),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);
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acterales(0.0000),f:Syntrophobacteraceae(0.0000),g:Thermodesulforhabdus(0.0000);
GCGCTTGTTCGTATTCCGCCTACTGCGACTAAAGAGATTCCGTACCTTAACGCTAAAGGTGCTTTGACTTATACCTTTA
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775),f:"Porphyromonadaceae"(0.9852),g:Butyricimonas(0.9743);

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685),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);
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280),f:"Prevotellaceae"(0.5273),g:Prevotella(0.3479);
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ospiraceae(0.5273),g:Eisenbergiella(0.2171);
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diaceae_1(0.3544),g:Clostridium_sensu_stricto(0.1299);

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303),f:Bacteroidaceae(0.2864),g:Bacteroides(0.0808);
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),f:Oscillochloridaceae(0.0000),g:Oscillochloris(0.0000);
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707),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);
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onadales(0.0000),f:Pseudomonadaceae(0.0000),g:Pseudomonas(0.0000);

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diaceae_1(0.6350),g:Clostridium_sensu_stricto(0.4787);
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497),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);
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730),f:Bacteroidaceae(0.9015),g:Bacteroides(0.8605);
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753),f:Bacteroidaceae(0.9015),g:Bacteroides(0.8605);
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352),f:"Porphyromonadaceae"(0.0086),g:Odoribacter(0.0043);
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ospiraceae(0.0904),g:Lachnospiracea_incertae_sedis(0.0134);
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497),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);
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ospiraceae(0.1485),g:Hespellia(0.0204);
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707),f:Bacteroidaceae(0.8864),g:Bacteroides(0.8124);
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172),f:Bacteroidaceae(0.6350),g:Bacteroides(0.4787);
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685),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);
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846),f:Bacteroidaceae(0.6350),g:Bacteroides(0.4787);
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diaceae_1(0.3544),g:Clostridium_sensu_stricto(0.1299);
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995),f:Bacteroidaceae(0.2184),g:Bacteroides(0.0615);
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138),f:Bacteroidaceae(0.2524),g:Bacteroides(0.0712);
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diaceae_1(0.3204),g:Clostridium_sensu_stricto(0.0808);
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ospiraceae(0.0457),g:Oribacterium(0.0110);
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766),f:Bacteroidaceae(0.2184),g:Bacteroides(0.0615);
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ospiraceae(0.3884),g:Clostridium_XlVa(0.0904);
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ospiraceae(0.0710),g:Clostridium_XlVa(0.0157);
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359),f:Bacteroidaceae(0.1098),g:Bacteroides(0.0204);
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diaceae_1(0.4563),g:Clostridium_sensu_stricto(0.1299);
ACGGAAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGT
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0.0473),f:Flavobacteriaceae(0.0113),g:Flavobacterium(0.0056);
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352),f:"Porphyromonadaceae"(0.0086),g:Barnesiella(0.0043);
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719),f:"Porphyromonadaceae"(0.0710),g:Parabacteroides(0.0087);
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cillaceae(0.2864),g:Lactobacillus(0.0326);
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ales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Pedobacter(0.0056);
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629),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0808);
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959),f:"Prevotellaceae"(0.1485),g:Alloprevotella(0.0181);
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cillaceae(0.3204),g:Lactobacillus(0.0615);
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280),f:"Prevotellaceae"(0.1679),g:Prevotella(0.0423);
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ospiraceae(0.0904),g:Clostridium_XlVa(0.0157);
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280),f:"Rikenellaceae"(0.2524),g:Alistipes(0.0615);
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9933),f:"Fusobacteriaceae"(0.9944),g:Fusobacterium(0.7162);
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streptococcaceae(0.2864),g:Clostridium_XI(0.0808);
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,f:Flammeovirgaceae(0.0457),g:Marinoscillum(0.0110);
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063),f:Bacteroidaceae(0.5273),g:Bacteroides(0.3479);
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395),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0519);
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063),f:Bacteroidaceae(0.6350),g:Bacteroides(0.4787);
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955),f:"Prevotellaceae"(0.7068),g:Prevotella(0.3479);
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623),f:"Prevotellaceae"(0.4224),g:Prevotella(0.0712);
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>OTU5404;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Ruminococcaceae(0.0457),g:Clostridium_IV(0.0076);
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ales"(0.0781),f:Sphingobacteriaceae(0.0252),g:Parapedobacter(0.0076);
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015),f:Prolixibacteraceae(0.0252),g:Prolixibacter(0.0076);
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ales"(0.0781),f:Sphingobacteriaceae(0.0252),g:Parapedobacter(0.0066);
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955),f:"Porphyromonadaceae"(0.6350),g:Parabacteroides(0.3915);
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ospiraceae(0.0904),g:Clostridium_XlVa(0.0181);
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846),f:"Prevotellaceae"(0.3544),g:Prevotella(0.1299);
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606),f:"Prevotellaceae"(0.8146),g:Prevotella(0.5239);
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>OTU5424;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Betaproteobacteria(0.9180),o:Burkholderiales(0.7623),f:Burkholderiales_incertae_sedis(0.4914),g:Rubrivivax(0.3043);

ACGGGAGGCAGCAGTGGGGAATCTTGGACAATGGGCGCAAGCCTGATCCAGCAATGCCGCGTGCAGGAAGAAGGCCTTCGGGTTGTAAACTGCTTTTGTCAGGGAAGAAATCTTCTGGGCTAATACCCCGGGAGGATGACGGTACCTGAAGAATAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCGAGCGTTAATCGGAATTACTGGGCGTAAAGCGTGCGCAGGCGGTTATGTAAGACAGATGTGAAATCCCCGGGCTCAACCTGGGAACTGCATTTGTGACTGCATGACTGGAGTGCGGCAGAGGGGGATGGAATTCCGCGTGTAGCAGTGAAACGCGTAGATATGCGGAGGAACACCGATGGCGAAGGCAATCCCCTGGGCCTGCACTGACGCTCATGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU5425;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.8448),c:Deltaproteobacteria(0.2902),o:Desulfovibrionales(0.1249),f:Desulfovibrionaceae(0.0457),g:Desulfovibrio(0.0110);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACCAGGGGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATCACTGGGCGTAAAGCGCACGTAGGCTGTTATGTAAGTCAGGGGTGAAAGCCCACGGCTCAACCGTGGAACTGCCCTTGATACTGCACGACTCGAATCCGGGAGAGGTAGGTGGAATTCTTGGTGTAGGGGTAAAATCCGTAGAGATCAAGAGGAATACTCATTGCGAAGGCGACCTGCTGGAACATTACTGACGCTGATGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU5427;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:Flavobacteriia(0.9961),o:"Flavobacteriales"(0.9952),f:Flavobacteriaceae(0.9881),g:Flavobacterium(0.9085);

GTGTCAGCAGCCGCGGTAATACGGAGGATCCAAGCGTTATCCGGAATCATTGGGTTTAAAGGGTCTGTAGGCGGTTTAATAAGTCAGTGGTGAAAGCCCATCGCTCAACGGTGGAACTGCCATTGATACTGTTAGACTTGAATTATTAGGAAGTAACTAGAATATGTAGTGTAGCGGTGAAATGCTTAGAGATTACATGGAATACCAATTGCGAAGGCAGGTTACTACTAATTGATTGACGCTGATGGACGAAAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTAGTCCACGCCGTAAACGATGGATACTAGCTGTTGGAAGCAATTTCAGTGGCTAAGCGAAAGTGATAAGTATCCCACCTGGGGAGTACGTTCGCAAGAATGAAACTCAAAGGAATTGGCGGGG

>OTU5429;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9928),o:"Bacteroidales"(0.9934),f:Bacteroidaceae(0.9480),g:Bacteroides(0.9724);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTTTTTTATATGGGAATAAAGTATTTCACGTGTGGGCTTTTGTATGTATCATATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGTTCCGAGCGTGATCTGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGATTGTTAAGTCAGTTGTGAAAGTGTGCGGCTCAACCGTAAAATTGCAGTTGAAACTGGCAGTCTTGAGTACAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTAGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU5430;tax=d:Bacteria(0.1356),p:"Proteobacteria"(0.0171),c:Deltaproteobacteria(0.0056),o:Desulfuromonadales(0.0042),f:Desulfuromonadaceae(0.0013),g:Pelobacter(0.0012);

GTGCCAGCAGCCGCGGTGATACGAGGAGACCTAGTGTTAATCAGAATAATTGGGCGTAAAATGTATGTAGACTGTAATTGTTTGTTAAAAATGAAAATCTAAAAATTCTTTAGAATATTTTTAACTACAGATTTCTTGAGTAAAAAAAAAGATTATAAAATTTCGAAAGAAGAAATAAAATTTGTAGATTTTCGAAGGAATACCAAAAGCGAAAGCAATAATCTTGCTTTATACTGACGTTGATATACGAAAGCATAGGTAGCAAAGAGGATTAGATACCCTCGTAGTCTATTGCTATAAACGATGAATACTCGTTTTTGGAGATTTTCTTCAGAAACTTAGCTAACGCGTTAAGTATTCTGCCTGAGGAGTACGTCGGCAACGTTAAAACTCAAAGGAATTGACGGGG

>OTU5428;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Bacilli(0.9711),o:Bacillales(0.8737),f:Paenibacillaceae_1(0.5991),g:Paenibacillus(0.4351);

GTGTCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATTATTGGGCGTAAAGCGCGCGCAGGCGGTTCTTTAAGTCTGGTGTATAAACCTGGGGCTCAACTTCAGGAGGCACTGGAAACTGGGGAACTGGAGTGTAGGAGAGGAAAGTGGAATTCCACGTGTAGCGGTGAAATGCGTAGAGATGTGGAGGAACACCAGTGGCGAAGGCGACTTTCTGGCCTATAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTAGTCCACGCCGTAAACGATGAGTGCTAGGTGTTAGGGGTTTCGATACCCTTGGTGCCGAAGTTCACACAGTAAGCACTCCGCCTGGGGAGTACGCTCGCAAGAGTGAAACTCAAATGAATTGACGGGG

>OTU5432;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9474),c:"Bacteroidia"(0.5195),o:"Bacteroidales"(0.2679),f:"Prevotellaceae"(0.1291),g:Prevotella(0.0230);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGTCCTATGGTTTTTAAACTGCTTTTTTCGGGGAATAATAAGAGTTTTGCGAAGGTTGATGCAGGTACCCGAAGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGACATTCAAGTGGGCGGTGAAATTCCGGGGCTCAACCTGGGCATTGCAGTGCAAACTGTGAGACTTGAGTGCACAGGAAGTAGGCGGAATCCGTAGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACACCGATTGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU5431;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Rumin
ococcaceae(0.5273),g:Ruminococcus(0.3479);
ACTTAATTCATCATTTTTTTATATTTCACAATTTTTTAAACCCTTATTCATCTATGCCGCGTGGAGGAAGAAGGTTTTCG
GATTGTAAACTCCTGTCGTAAGGGAAGAGGAAGGACTGTACCTTACAAGAAAGCTCAGGCTAACTACGTGCCAGCAG
CCGCGGTAATACGTATGGAGCGAGCGTTGTCCGGAATGACTGGGTGTAAAGGGAGCGTAGGCGGGATGGCAAGTC
AGATGTGAAACCTGAGGGCTCAACCTTCAGACTGCATTTGAAACTGCTGTTCTTGAGTGAAGTAGAGGTAAGCGGAA
TTCCTGGTGTAGCGGTGAAATGCGTAGAGATCAGGAGGAACATCGGTGGCGAAGGCGGCTTACTGGGCTTTTACTG
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>OTU5434;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9168),c:Sphingobacteriia(0.4812),o:"Sphingobacteri
ales"(0.2359),f:Sphingobacteriaceae(0.1098),g:Parapedobacter(0.0134);
ACGGAAGGCAGCAGTAAGGGATATTGGTCAATGGGCGGGAGCCTGAACCAGCCATGCCGCGTGAGGGAATGAGGC
CCTACGGGTCGTAAACCTCTTTTGCCGGGGGATAACGGGCGCCACGCGTGGCGCCGTGAAGGTACCCGAAGAATAA
GCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGG
GTGCGCAGGCGGGCGTCTAAGTAGGCGGTGAAAGTTAGCGGCTCAACGGGGTCGGTGCGGATGATACTGGGTGTCT
TGAATGAGGTCGAGGCCGGCGGAATGTGGGGTGTAGCGGTGAAATGCATAGATATGCCACAGAACACCGATAGCG
AAGGCAGCTAGCCGGGCCTGCATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU5433;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Lachn
ospiraceae(0.5273),g:Blautia(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTA
TCTCGGTATGTAAACTTCTATCAGCAGGGAAGATAGTGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGGACGGTA
AGTCAGATGTGAAATATACGTGCTCAACATGTAGACTGCATTTGAAACTGCTGTTCTTGAGTGAAGTAGAGGTAAGC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACATCGGTGGCGAAGGCGGCTTACTGGACGATA
ACTGACGTTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU5435;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9736),c:Actinobacteria(0.9462),o:Coriobacteriales(
0.8412),f:Coriobacteriaceae(0.6709),g:Olsenella(0.2171);
ACGGGAGGCAGCAGTGGGGAATCTTGCGCAATGGGCGGAAGCCTGACGCAGCGACGCCGCGTGCGGGAGGAAGG
CCCTCGGGTCGTAAACCGCTTTCAGCAGGGACGAGGCCGCAAGGTGACGGTACCTGCAGAAGAAGCCCCGGCTAAC
TACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGATTCATTGGGCGTAAAGCGCTCGTAGGCG
GCCTGCTAGGTCGGGAGTCAAATGCGGGGGCCCAACCCCCGGCCGCTCCCGATACCGGCGGGCTTGAGTTTGGTAG
GGGAAGGCGGAATTCCCGGTGTAGCGGTGGAATGCGCAGATATCGGGAAGAACACCGGTGGCGAAGGCGGCCTTC
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>OTU5437;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:Flavobacteriia(0.9952),o:"Flavobacteriales"(0.9941),f:Flavobacteriaceae(0.9956),g:Flavobacterium(0.9686);
GTGTCAGCAGCCGCGGTAATACGGAGGATCCAAGCGTTATCCGGAATCATTGGGTTTAAAGGGTCCGTAGGCGGTCTTGTAAGTCAGTGGTGAAAGCCCATCGCTCAACGGTGGAACGGCCATTGATACTGCAGGACTTGAATTATTGGGAAGTAACTAGAATATGTAGTGTAGCGGTGAAATGCTTAGAGATTACATGGAATACCAATTGCGAAGGCAGGTTACTACCAATTTATTGACGCTGATGGACGAAAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTAGTCCACGCCGTAAACGATGGATACTAGCTGTTGGGCGCAAGTTCAGTGGCTAAGCGAAAGTGATAAGTATCCCACCTGGGGAGTACGAACGCAAGTTTGAAACTCAAATGAATTGACGGGG
>OTU5436;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Ruminococcaceae(0.5632),g:Ruminococcus(0.3915);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGATGCCGCGTGGAGGATGAAGGTTTTCGGATTGTAAACTCCTGTCGTAAGGGAAGAGAAAGGACTTTACCTTACAAGAAAGCACCGGCTACCTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGATTGACTGGGTGTAAAGGGAGCGTAGGCGGGATGGCAAGTCAGATGTGAAACCTGAGGGCTCAACCTGCATACTGCATTTGAAACTGCTGTTCTTGAGTGCAGTAGAGGTAAGCGGAATTCCTGGTGTAGCGGTGAAATGCGTAGAGATCAGGAGGAACATCGGTGGCGAAGGCGGCTCACTGGGCTGTTACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU5438;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:Sphingobacteriia(0.9762),o:"Sphingobacteriales"(0.9497),f:Chitinophagaceae(0.9294),g:Sediminibacterium(0.5239);
GGGGAAGAAGAAGAGGGAATACGGAGGGTGGAAGAGTTATCCGGATTCACTGGGTTTAAAGGGTGCGTAGGCGGGCAGGTAAGTCAGTGGTGAAATCCTGGAGCTCAACTCCAGAACTGCCATTGATACTATCTGTCTTGAATATTGTGGAGGTAAGCGGAATATGTCATGTAGCGGTGAAATGCTTAGATATGACATAGAACACCTATTGCGAAGGCAGCTTACTACGCATATATTGACGCTGAGGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTAGTCCACGCCCTAAACGATGGATACTCGACATATGCGATACACTGTATGTGTCTGAGCGAAAGCATTAAGTATCCCACCTGGGAAGTACGTTCGCAAGAATGAAACTCAAATGAATTGACGGGG
>OTU5439;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Eubacteriaceae(0.2524),g:Eubacterium(0.0712);
ACTTCCTTCCTCCTTTTTGAATCTTCCTCCCTTTTCTCCAGCCTGACGGAGCAGCGCCGCGTGAGTGAAGAAGGGTTTCGACTCGTAAAGCTCTGTTGTCGGGGACGAATGTGGAGATGGTGAATAACCATTTTCAATGACGGTACCTGACGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTAATGCAAGTCTGATGTGAAAACCCGGGGCTCAACCCCGGGACTGCATTGGAAACTGTGTAACTAGAGTGTCGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU5441;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Ruminococcaceae(0.3204),g:Oscillibacter(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGCAGGAAGAAGGCTCTCGGGTTGTAAACCTCTTTTGTTGGGGACGAGTAGAAGACGGTACCTGGCGAATAAGCCACGGCTAACTACGTGCCAGCAGCTGAGGTCATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGTGTAGCCGGGAAGGCAAGTCAGATGTGAAATCCACGGGCTTAACGCGTGAACTGCATTTGAAACTGTTTGTCTTGAGTAACGAAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTACTGGGCGACTACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGGTTAGATACCCTGGTA
>OTU5442;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Ruminococcaceae(0.0355),g:Sporobacter(0.0076);
CCGTAATTCAGCCTTGGTTCCTATTGTCCAATTGACCCCACGTCTGATCCAGCAATTCTGTGTGCACGATGAAGTTTTTCGGAATGTAAAGTGCTTTCAGTTGGGACGAAGTAAGTGACGGTACCAACAGAAGAAGCGACGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGCAGCCGGGAATGCAAGTCAGATGTGAAATCCATGGGCTTAACCCATGAACTGCATTTGAAACTGTATTTCTTGAGTACTGGAGAGGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACAGCAACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU5440;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Ruminococcaceae(0.1872),g:Oscillibacter(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGTCTGACCCAGCAACGTCGCGTGAAGGAAGAAGGCTCTCGGGTTGTAAACTTCTTTTGTCAGGGACGTGTAGAAGACGGTACCTGACGAATAAGCTACGGCTAACTACGTGCCAGCAGCTGCGGTCATACGTACGTGGCAAGTGTTGTCCGGATTTACTGGGTGTAAAGGGTGTGTAGCCGGGAGGGCAAGCCAGATGTGAAATCCACGGGCTCAACTCGTGAACTGCATTTGAAACTACTCTTCTTGAGTAACGGAGAGGCGAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCAGATTGCTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU5443;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9892),o:Lactobacillales(0.9938),f:Lactobacillaceae(0.9015),g:Lactobacillus(0.5720);
ACGGGAGGCAGCAGTAGGGAATCTTCCTCAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGACGGGTTTCGGCTCGTAAAGCTCTTTTGTTGGAGAAGAACGTTCGTGCGAGTAACTGCTCACGCAGTGACGGTATCCAACCAGAACGTCACGGCTCACTCCGTGCCCGCCGCCGCGGTAATACGTACGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTGCTTAGGTCTGATGTGAAAGCCTTCGGCTTAACCGAAGAAGTGCATCGGAAACCGGGCGACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCGGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU5444;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Clostridiaceae_1(0.1485),g:Clostridium_sensu_stricto(0.0326);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGCAGTAACTGGTCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAAGTGGGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCATGTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAATGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTAACTGACACTGAGGCACGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU5445;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Clostridiaceae_2(0.0252),g:Natronincola(0.0066);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGCCCTACGGGTCGTAAACTTCTTTAGACGCAGAGCAATAAGGTCCACGCGTGGACCGATGAGAGTATGCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGAGGTGAAAGGCTACGGCTCAACCGTAGTAAGCCTTTGAAACTGGGAAACTTGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU5446;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.1905),c:"Bacteroidia"(0.0726),o:"Bacteroidales"(0.0473),f:Bacteroidaceae(0.0113),g:Acetomicrobium(0.0056);
GTGCCAGCAGCCGCGGTAATACGTAGGACCCGAGCGTTGTCCGGATTTACTGGGTATAAAGGGTGCGTAGGCGGCCTTGTGCGTCAGAGGTGAAATCTCCGGGCTTAACCCGGAGGGTGCCTTTGATACGGCAGGGCTTGAGTGCGAGAGAGGATGATGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATCAGGAGGAACACCGGTGGCGAAGGCGGTCATCTGGCTCGCAACTGACGCTGAGGCACGAAAGCGCGGGGATCAAACAGGATTAGATACCCTGGTAGTCCGCGCCCTAAACGATGTATGCTTGGTGTTGGACCCGCAAGGGTTCAGTGCCGTAGGGAATCTGATAAGCATACCACCTGGGGAGTACGATCGCAAGGTTGAAACTCAAAGGAATTGGCGGGG
>OTU5448;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9769),o:Lactobacillales(0.9389),f:Lactobacillaceae(0.8505),g:Lactobacillus(0.4787);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTAGAGAAGAACGTGCGTGAGTGCAACTGTTCACGCAGTGACGGTATCTAACCAGAAAGTCACGGCTAACTACGTGCCCGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGGAAGGCGAGCGCAGGCGGTTGCTAAGGTCTGAGGGGAAAGCCGTCGGCTTAACCGAAGAAGTGCATCGGAAACCGGGCGACTTGAGTGCAGAAGAGGAAAGTGGAACTCCAGGTGCAGCGGTGAAATGCGTAGATATAAGGAAGAACACCAG

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acterales(0.4652),f:Campylobacteraceae(0.2524),g:Campylobacter(0.0712);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACAAGTCATGCCGCGTGAAGGAAGAAGGT
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>OTU5449;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Rumin
ococcaceae(0.2184),g:Ruminococcus(0.0519);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGAAAGCCTGACGCAGCAACGCCGCGTGAACGATGAAGGT
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CAAGTCAGATGTGAAATCCGTGGGCTTAACCCGCGAACTGCATTTGCAACTGTTTTGCTTTAGTTCAGTAGAGGCAGG
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ales"(0.0413),f:Sphingobacteriaceae(0.0099),g:Mucilaginibacter(0.0046);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGC
CCTACGGGTCGTAAACTCTGTCAGACGCAGCGAAATAAGGTCCACGTGTGGAGCGATGAGCGTATGAGTAGAATAA
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GGTGCGTAGGCGGACGAGTAAGTCAGCGGTGAAAGACCGGGGCTCAACCCGGGAAGTGCCTTTGATACTGTTAGGC
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>OTU5453;tax=d:Bacteria(0.0024),p:"Proteobacteria"(0.0000),c:Gammaproteobacteria(0.0000),o:Chromati
ales(0.0000),f:Halothiobacillaceae(0.0000),g:Thioalkalibacter(0.0000);
TTCTTTCCTAGCCACATTAGAGCCCCTACCATCAGCTTTACCGTCTTTCCAGAAATTGTTCCCAGTATCGGCAACCGCTT
TATCACTACCCTGCAAAATATCAACCACACCAGAAGCAGCATCAGTGACGACATTAGAAATATCCTTTGCAGTAGCGC
CAATATGAGAAGAGCCATACCGCTGATTCTGCGTTTGCTGATGAACTAAGTCAACCTCAGCACTAACCTTGCGAGTCA
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CCTGCTGTTGCTTGGAAAGATTGGTGTGTTCCATAAGAGACGCAACGAGAGCAGTAGACTCCTTCTGTTGATAAGCA
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023),f:Bacteroidaceae(0.2524),g:Bacteroides(0.0712);
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diaceae_1(0.4563),g:Clostridium_sensu_stricto(0.2607);
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ales"(0.1015),f:Sphingobacteriaceae(0.0355),g:Parapedobacter(0.0087);
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0.8955),f:Coriobacteriaceae(0.8505),g:Collinsella(0.3915);
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303),f:"Prevotellaceae"(0.5991),g:Prevotella(0.2171);
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ales"(0.0000),f:"Cyclobacteriaceae"(0.0000),g:Cyclobacterium(0.0000);
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acteriales"(0.8737),f:Enterobacteriaceae(0.7787),g:Escherichia/Shigella(0.3479);
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teriaceae(0.0560),g:Eubacterium(0.0134);
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ales"(0.0000),f:"Cyclobacteriaceae"(0.0000),g:Algoriphagus(0.0000);
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>OTU5491;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Clostridiales_Incertae_Sedis_XII(0.0457),g:Acidaminobacter(0.0110);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAAACTCTGTCCTAAGGGACGTAGGAAGTGACGGTACCTTAGGAGGAAGCGTCGGCCAACTACGTGCCAGCAGCAGTGGTAATACGTAGGGGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGTCTGATAAGTTGGATGTGAAATGCCCGGGCTTAACGTGTGGGGTGCATCGAAAACTGTTTGACTTGAGTACAGGAGATGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCATAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTTCTGGACTGCAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

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>OTU5495;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9988),c:Fusobacteriia(0.9791),o:"Fusobacteriales"(0.9730),f:"Fusobacteriaceae"(0.6350),g:Fusobacterium(0.0326);

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730),f:"Prevotellaceae"(0.9387),g:Prevotella(0.6681);
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ococcaceae(0.1679),g:Anaerofilum(0.0230);
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>OTU5502;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Clostridiaceae_1(0.2524),g:Clostridium_sensu_stricto(0.0712);
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>OTU5503;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Ruminococcaceae(0.0252),g:Anaerotruncus(0.0066);
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>OTU5508;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.9606),f:"Prevotellaceae"(0.8864),g:Prevotella(0.5239);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGGCACGTGTACCATATTGCAGGTACCCTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTTATAAGCGTGTTGTGAAATGTAGGGGCTCAACCTGGGCATTGCAGCGCGAACTGGGGACCTTGAGTGCGTAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCTTGCCAGTGCGTAACTGACGCTAAAGCTCGAAAGTGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU5505;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9988),c:Betaproteobacteria(0.9726),o:Burkholderiales(0.8846),f:Sutterellaceae(0.8146),g:Sutterella(0.7162);
ACGGGAGGCAGCAGTGGGGAATTTTGGACAATGGGCGAAAGCCTGATCCAGCCATGCCGCGTGTGGGATGAAGGCCTTCGGGTTGTAAACCACCTTTTTCAGGGACGTAAAGGTTCAGGCTAATACCTTTAACTGCTGACGGTACCTGAAGAATAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCAAGCGCTAATCGGAATTACTGGGCGTAAAGCGTGCGCAGGCGGTTCTGTAAGATAGATGTGAAATCCCCGGGCTTAACGGTGGAATTGCATTTAGGACTGGAGGACTTGAGTTTGTCAGAGGGGGGTGGAATTCCAAGTGTAGCGGTGAAATGCGTAGATATTTGGAAGAACACCGATGGCGAAGGCAGCCACCAGGGACATGACTGACGCTCATGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU5509;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9791),o:"Enterobacteriales"(0.9063),f:Enterobacteriaceae(0.8864),g:Escherichia/Shigella(0.5239);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTGCTCATTGATGTTACCCGCAGAAGAAGCACCGTCTAACTCCGTGCCATCAGCCGCGTCAGTACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCATAAAGCGCACGCAGGCGGTTTGTTAAGTCAGAAGTGAAATCCCCGGGCTCAACCTGGGAACTGCTTCTGATACTGGCAAGCTTGAGACTCATAGAGGTGGGTAGAATTCCAAGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGGCGAAGGCGGCCCCCTGGACGAAAACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
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>OTU5510;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9474),c:"Bacteroidia"(0.7114),o:"Bacteroidales"(0.4280),f:"Prevotellaceae"(0.1291),g:Prevotella(0.0230);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGCGTGAGGGACGACGGCCCTATGGGCTGTAAACTTCTTTTGATTGGGAATAAAGAGGGCGACGCGTCCCGCAATGCATGTACGCGTTGAATAAGCACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTGCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGGGGTTAAGTGAGTCGTGAAATTCCGTGGCTCAACGGCGGACTTGCAGCTCGAACTGGTGCACTTGAGTGCGCGAGAGGTTGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTGGCTGTAGCGTAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU5511;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Lachnospiraceae(0.7068),g:Roseburia(0.4787);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATCCAGCGACGCCTCGTGAGGGAAGAAGTATTTCGGTATGTAAAGCCCCTTTTGCAGGGAAGAAGAAATGACGTTACTTAAATAATAAGCACCGGCTAAATACGTACCAGCAGCCGCGGTACTACGTATGGTCCAAGCGTTATCCGGATTTACTGGGTGTAACGGGAGCGCAGGCGGAAGGCTAAGTCTGATGTGAAAGCCCGGGGCTCAACCCCGGTACTGCATTGGAAACTGGTCATCTAGAGTGTCGGAGGGGTAAGTGGAATTCCTAGTGTAGCGGTGAGATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATAACTTACGCTGAGGCTCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
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>OTU5515;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.9389),f:"Prevotellaceae"(0.8505),g:Prevotella(0.5720);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGTGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATACGGACCGGCTAATTCCGTGCCAGCATCCGCGGTAATACGGACGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCAGTCTTATAAGCGTGGTGTGAAATGTCGGGGCTCAAACTGGGCATTGCAGCGCGAACTGTGAGACTTGAGTGCGCAGGAAGTAGGCGGAAGTCGACGTGTAGCGGTGAAATGATGAGATATGACGAAGAACTCCGATTGCGAAGGAAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATAGAAAAGGATTAGATACCCTGGTA
>OTU5513;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Lachnospiraceae(0.2524),g:Oribacterium(0.0423);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCTGTATGTAAAGCTCTATCAGCAGGGAAGATAATGACCGTACCTGACTAAGAATCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGCAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAACGGCAAGTTTGAAGTGAAATACCCGGGCATAACCCGGGAACTGCTTTGAAAACTGGAGAGCTAGAGTGTCGGAGAGGTAAGGGGAATTCCTGGTGTAGTAGTGAAATGCGTAGATATCAGGAAGAAAACCGGAGGCGAAGGCGGGTTACGGGACGATAACTGACGTTGAGGCTCGAAAGCGGGGGGAGCAAACAGGATTATGATACCCTGGTA
>OTU5516;tax=d:Bacteria(0.9450),p:"Bacteroidetes"(0.3448),c:"Bacteroidia"(0.0525),o:"Bacteroidales"(0.0352),f:Marinilabiliaceae(0.0086),g:Alkalitalea(0.0043);

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>OTU5517;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9994),c:"Bacteroidia"(0.9798),o:"Bacteroidales"(0.9
753),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
CCTATGGGTTGTAAACTTCTTTTATATGGAAATAAAGTTTTCCACTTGTGGATTTTTTTATTTACAATATGATTAAGGAT
GGCCTAACTCCGTGCCAGCACCGGCGGTAATACGGGGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGC
GTAGATGGATGTTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGATATCTTGAGTG
CAGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAG
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412),f:"Prevotellaceae"(0.5991),g:Prevotella(0.2171);
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039),f:"Porphyromonadaceae"(0.0904),g:Parabacteroides(0.0181);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
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>OTU5518;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Clostri
diales_Incertae_Sedis_XIII(0.0252),g:Anaerovorax(0.0076);

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>OTU5521;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Clostri
diaceae_1(0.5632),g:Clostridium_sensu_stricto(0.3479);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
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>OTU5522;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Clostri
diaceae_1(0.2524),g:Clostridium_sensu_stricto(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAAACCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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GTCAGCGGTGAAAGGCCCGGGCTCAACCCGGAAAGTGCCGTTGATACTGTGAGGCTGGAATGCGGATGCTGTGGGA
GGAATGAGTGGTTTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCA
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>OTU5524;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Clostri
diaceae_1(0.2864),g:Clostridium_sensu_stricto(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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>OTU5525;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9540),c:Gammaproteobacteria(0.8614),o:"Enterob
acteriales"(0.5023),f:Enterobacteriaceae(0.3204),g:Escherichia/Shigella(0.0615);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
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AGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGT
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GACTTGAGTGATGGAGAGGATAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTG
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TA

>OTU5523;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Clostridiaceae_1(0.5632),g:Clostridium_sensu_stricto(0.2607);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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GGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGATTCGCTGGACTGCA
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>OTU5526;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8755),o:Clostridiales(0.6881),f:Ruminococcaceae(0.4224),g:Flavonifractor(0.0326);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGAACCAGCAACGCCGCGTGAAGGAAGAAGGC
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>OTU5529;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Eubacteriaceae(0.4563),g:Eubacterium(0.2607);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTATTTCGGTATGTAAACTTCTATCCGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGGAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGTAAGTCTGATGTGAAAACCCGGGGCTCAACCCGGGGACTGGATTGGAAACGATGCGGCTAGGGTGTCGAGGAGGTAAGTGGAATTCCTAGGGTAGGGGTGAAATGCGTAGATATTAGGGGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATGACTGACGTTGGGGCTCGAAGGCGTGGGGAGCAAACAGGATTAATACCCTGGTA

>OTU5528;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Bacilli(0.8472),o:Lactobacillales(0.6138),f:Lactobacillaceae(0.3884),g:Lactobacillus(0.0904);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGCGCGTAGGCGGCTCGCCAAGCGGGATCGCAAACCTGAGGCCTCAACCCCCAGCAGGATCCCGGACTGGCGGGCTTGAGTTCGGTAGGGGAAGGCGGAACTCCCAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTAACTGGCGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU5530;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Peptostreptococcaceae(0.2524),g:Clostridium_XI(0.0712);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATTGGCGAAAGCCTGATTCAGCAACGCCGCGTTATCTATTAATTCCTTCGGGTCGTAAATCTCTGTCCTCAAGGAAGGTAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTGCTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGAGTTGAAAGGCTACGGCTCAACCGTAGTAAGCCTTTGAAACTGGGAAACGTGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCGGCTCTCTGGACTGTAACTGAAACTGAGGCACGAAAGCGTGGGGAGCAAAAAGGATTAGATACACTGGTA

>OTU5531;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Lachnospiraceae(0.1679),g:Coprococcus(0.0423);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGGTGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGTAAGTCTGAAGTGAAAGCCCGGGGCTCAACCCCGGGACTGCTTTGGAAACTATGCAGCTAGAGTGTCGGAGAGGTAAGTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTG

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diaceae_1(0.6350),g:Clostridium_sensu_stricto(0.4787);
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ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCGGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGAGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGAGGTGAAAGGCTACGGCTCAACCGTAGTAGGCCTTTGAAACTGGGAAACTTGAGTGCAGGAGAGAGGTGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTATGGGGAACACCAGTTGCGAGTGCGGCTCTCTGGACTGTATCTGACACTGAGGCACGAAGGCGTGGAGAGCAAACAGGATTTGATACCCTGGTA
>OTU5562;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9882),o:Lactobacillales(0.9172),f:Lactobacillaceae(0.9015),g:Lactobacillus(0.6200);
ACGGAAGGCAGCAGAAGGGAATCTTCCACAATGGACGAAAGCCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGGTAGTGAAGAAAGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATTACTTAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCTGATTTATTGGGCGTAAAGCGAGTGCAGGCGGTTCAATAAGTCTGATGTGAAAGCCTTCGGCTCAACCTGAGCATTGCATCAGAACCTGTTGAAGTTGAGTGCCGAAGAGGGCAGTGGAACTCCATGTGTAGCGGTGTAATGCGTAGATCTATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGCGGCTCGAAAGCCTGGGTAGCGAACCGGATTAGATACCCTGGTA
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ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAGGGAATAAATGTGGGTACGCGTACCCGTTTGCATGTACCTTATGAATAAGGATCGGCTAACTCCGCGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGCGCGTCAAGCCGGCGGTAAAATTGCGGGGCTCAACCCCGTAGAGCCGTCGGAACTGGCGAGCTTGAGTGGAGAAGAAGTATGCGGAATGCGAGGTGTAGCGGTGAAATGCTTAGATATCACTCAGAACACCGATTGCGAAGGCATCTGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA

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>OTU5563;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Ruminococcaceae(0.1485),g:Saccharofermentans(0.0181);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGACGGTCTTCGGATTGTAAACCTCTATCAGCAGGGAAGAAGCAAGTGACGGTACCTGCAGAAAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGTGTAGGCGGGGAGGCAAGTCAGATGTGAAATCCATGGGCTTAACCCATGAACTGCATTTGAAACTGTATTTCTTGAGTACTGGAGAGGCAATCGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGAGGCGAAGGCGATTAACTGGCCTGTAACTGACGCTGAGACACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU5565;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Ruminococcaceae(0.0252),g:Clostridium_IV(0.0076);

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acteriales"(0.4280),f:Enterobacteriaceae(0.2524),g:Escherichia/Shigella(0.0519);
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0.5395),f:Actinomycetaceae(0.2184),g:Actinomyces(0.0615);
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319),f:Bacteroidaceae(0.0904),g:Bacteroides(0.0181);
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473),f:"Porphyromonadaceae"(0.0113),g:Tannerella(0.0046);
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ospiraceae(0.4563),g:Eisenbergiella(0.1735);
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999),f:"Porphyromonadaceae"(0.1098),g:Barnesiella(0.0157);
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9),f:Veillonellaceae(0.0904),g:Mitsuokella(0.0181);
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359),f:"Porphyromonadaceae"(0.0904),g:Barnesiella(0.0134);
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172),f:Bacteroidaceae(0.6350),g:Bacteroides(0.4787);
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>OTU5615;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Lachnospiraceae(0.1679),g:Eisenbergiella(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACTCTGATGCAGCGACGCCGCGTGAAGGATGAAGTATTTCGGCATGTAAACTTCTATCAGCAGGGAAGTAAATGACGGTACCTGACTAAGATGCTCTGGCTCACTTCGTGCCAGCAGCCCCGGTTCTGTGTCAGGGGCCACCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCATGACAAGCCAGATGTGAAAACTCAGGGCTCAACCCGGGAACTGCATTGGGAACTGCCAGGCTTGAGTGGAGGAGAGGTAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCGGCTTACTGGACTGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU5613;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9441),c:Deltaproteobacteria(0.8048),o:Desulfovibrionales(0.5395),f:Desulfovibrionaceae(0.3204),g:Bilophila(0.0615);
ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGTTCTCGGATCGTAAACCTCTGTCAGGGGGGAAGAAACCCCCTCGTGTGAATAATGCGAGGGCTTGACGGTACCCCCAAAGGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGGTGCAAGCGTTAATCGGAATCACTGGGCGTAAAGCGCACGTAGGCGGCCAACTCAGTCTGGAGTGAAAGTCCTGCTTTTAAGGTTGGAATTGCTTTGGAAACTGGATGGCTTGAGTGCAGGAGAGGTAAGCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTAGCTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU5616;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9762),o:"Bacteroidales"(0.9497),f:Bacteroidaceae(0.6350),g:Bacteroides(0.4787);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTATGTATACTGTTTTGTATGTATTATATGAATAAGGATCGGCTAACTCCGTGCAAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCTTAGGCGGGTGCTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGGCGCCTTGAGTGCAGCATAGGTAGGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTTACTGGGCTGTAACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU5617;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Ruminococcaceae(0.4563),g:Clostridium_IV(0.0519);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTCTTAGGGACGAAGCAAGTGACGGTACCTAAGGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGCAGTATAAGTCCGGAGTGAAAGTCCTGCTTTCAAGGTGGGAATTGCTTTGGAGACTGTACAGCTTGAGTATCGGAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU5618;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Lachnospiraceae(0.0710),g:Clostridium_XlVa(0.0134);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAGAAGACGGTACCTGACTAAGAAGCCCTGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGCGCGTAGGCGGGACGTCAAGTCAGCGGTAAAAGACTGCAGCTAAACTGTAGCACGCCGTTGATACTGTTTTTCTTGAGTGCACACAGGGATGCTGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATCGCGAAGGCAGGTGTCCGGGGTGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU5619;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Ruminococcaceae(0.1872),g:Clostridium_III(0.0204);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGGACGTGACGGTACCTGGAGAAAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGGATATAAGTCAGGTGTGAAATCTATGGGCTTAACCCATAAACTGCACTTGAAACTGTATCTCTTGAGTGTCGGAGAGGTAGACGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGGCTTTTACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATAGATACCCTGGTA

>OTU5620;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9736),c:"Bacteroidia"(0.8755),o:"Bacteroidales"(0.7252),f:"Porphyromonadaceae"(0.2524),g:Parabacteroides(0.0712);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGCGTGAGGGAAGACTGCCCTACGGGTTGTAAACCTCTTTTGTTTGGGAATAAAGTGCGGGACGCGTCCCGCATTGCATGTACCATTTGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGCCTTTTAAGTCAGCGGTGAAAGTCTGTGGCTCAACCATAGAATTGCCGTTGAAACTGGGGGGCTTGAGTATGTTTGAGGCAGGCGGAATGCGTGGTGTAGCGGTGAAATGCTTAGATATTACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU5622;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9988),c:Gammaproteobacteria(0.9769),o:"Vibrionales"(0.8303),f:Vibrionaceae(0.6350),g:Vibrio(0.2607);
GTGTCAGCCGCCGCGGTAATACGGAGGGTCCGAGCGTTAATCGGAATTACTGGGCGTAAAGCGCGCGTAGGCGGCTAAGTCAGTCAGATGTAAAGCCCGGGGCTCAACCTCGGAATTGCATTTGAAACTGGCAGACTAGAGTACTGTAGAGGGGGGTAGAATTTCAGGTGTAGCGGTGAAATGCGTAGAGATCTGAAGGAATACCGGTAGCGAAGGCGGCCCCCTGGACAGATACTGACACTCAGACGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU5621;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Eubacteriaceae(0.0355),g:Eubacterium(0.0087);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCCTAGGGTTGGAAACTTGCTTTATCAGGGACGAAACAAATGACGTTACCTGATGAATAAGCCCCGGCTAACTATGTGCCAGCAGCCGCGGCAAGACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTGCGTAGGTGGTAACCTAAGCATGGGGTTAAAGGCAAAGGCTTAACAATTGTCAGCCCTGTGAACTGGGCTACTTGAATGCAGGAGAGGAAAGCGGAATTACTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCAGCTTTCGGGGCTATTACTGACACTGAGGCACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU5624;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.8448),c:Gammaproteobacteria(0.6346),o:Pasteurellales(0.3639),f:Pasteurellaceae(0.1872),g:Haemophilus(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCCATGCCGCGTGAATGAAGAAGGCCTTCGGGTTGTAAAGTTCTTTCGGTGATGAGGAAGGCAGGTAAGTTAATAGCTTACTTGATTGACGTTAGTCACAGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCGAGCGTTAATCGGAATGACTGGGCGTAAAGGGCACGCAGGCGAGTGCTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGGCGCCTTGAGTGCAGCATAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATCGCGAAGGCAGGTGTCCAGGGTGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU5623;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Eubacteriaceae(0.1679),g:Eubacterium(0.0423);

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diales_Incertae_Sedis_XIII(0.1291),g:Anaerovorax(0.0230);
CCTTTCTTCCTCCTTTTGGAATATTGCACACTGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAAGGAAGAAGGTCTT
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ococcaceae(0.4224),g:Acetanaerobacterium(0.0519);
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0.0170),f:Flavobacteriaceae(0.0046),g:Flavobacterium(0.0032);
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teriaceae(0.1485),g:Eubacterium(0.0326);

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063),f:"Prevotellaceae"(0.7428),g:Prevotella(0.2171);
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249),f:"Prevotellaceae"(0.0252),g:Prevotella(0.0046);
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naerovirga(0.0204);
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395),f:Bacteroidaceae(0.2184),g:Bacteroides(0.0615);

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cillaceae(0.9294),g:Lactobacillus(0.7643);
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cillaceae(0.9015),g:Lactobacillus(0.8124);
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acteriales"(0.8955),f:Enterobacteriaceae(0.8505),g:Escherichia/Shigella(0.4351);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGATGACGGCC
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cillaceae(0.0000),g:Lactobacillus(0.0000);

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629),f:"Prevotellaceae"(0.5632),g:Prevotella(0.1735);
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cillaceae(0.1291),g:Lactobacillus(0.0230);
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ospiraceae(0.4224),g:Clostridium_XlVa(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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cillaceae(0.9015),g:Lactobacillus(0.8124);
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GAAAGTCACGGCTAACTACGTGCCAGCAGCCTCGGTAATACGTAGGGGGCAAGCGTTGTCCGGATTTATTGGGCGTA
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ales"(0.0000),f:Sphingobacteriaceae(0.0000),g:Mucilaginibacter(0.0000);

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cillaceae(0.9108),g:Lactobacillus(0.7643);

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GTGCAGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGG
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cillaceae(0.5632),g:Lactobacillus(0.1299);
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AAGCGAGCGCAGGCTGTTTGATAAGTCTGGTGCGAAAGTCTTTGGCTTAACCGACGAAGTGCAGCGGAAACTGTCA
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707),f:"Prevotellaceae"(0.9294),g:Prevotella(0.5720);
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>OTU5671;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9913),o:Lactobacillales(0.9685),f:Lactoba
cillaceae(0.9108),g:Lactobacillus(0.7643);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGA
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GAAAGCCACGGCTAACTACGCGCCAGCAGCCGCGGCAATACGTAGGTGGCAAGAGTTGTCCGGATTTATTGGGCGT
AAAGCGAGCGCAGGCGGAAAAATAAGTCTGATGTGAAAGCCCTCGGCTTAACCCAGGAACTGCATCGGAAACTGTC
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473),f:"Marinilabiaceae"(0.0113),g:Anaerophaga(0.0056);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGC
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TGCGTAGGCGGAAGTGCAAGTCAGCGGTGAAATCCCCGCGCTCAACGCGGGAGTTGCCGTTGATACTGTACATCTTG
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520),f:Bacteroidaceae(0.5273),g:Bacteroides(0.3479);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
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CGTAGAAGGATGTTTAAGTGAGTGGTGAAAGTTTGCGGCTCAACCGTAAAATTGCCGGTGATACTGGATATCGTGAG
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707),f:"Prevotellaceae"(0.9294),g:Prevotella(0.6200);
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CCGGCTAATTCCGTGCCAGCCGCCGCGGTCATACGGAAGGTCCGGGCGTTATCCGGATTTATTTGGTTTAAAGGGAG
CGTAGGCCGTCTTATAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGAATTGCAGCGCGAACTGAGAGACTTGAG
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781),f:"Prevotellaceae"(0.0113),g:Prevotella(0.0043);
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GCGCAGGCCGTGGGTTAAGCGTGTCGTGAAATCCCGTCGCTCAACGGCGGAAGTGCGGCGGGAACTGGTCCACTTG
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252),f:Bacteroidaceae(0.1679),g:Bacteroides(0.0423);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACTGC
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CCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTTCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGTAGGCTGATTGTTAAGTCAGCTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTCAAACTGGAAGTCTTGAGT

AGATTAAAGGTTGGTGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCA
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>OTU5677;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9711),o:"Bacteroidales"(0.8737),f:"Prevotellaceae"(0.5273),g:Prevotella(0.3479);
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AGCGTAGGCGGCAGGTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGCCTGCTTG
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>OTU5673;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Ruminococcaceae(0.3204),g:Anaerotruncus(0.0615);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGACGGC
TTTCGGGTTGGAAACCTCTGTCTTTGGGGAAAAAAATGACGGTACGCAAAGAGGAATCTCCGGCTAACTACATGCCA
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AGTAGAATGTTAAATCCATCGGTCCAACCGGGGGCTGCGGTTGAAACTGCCGGTCTTGAGTGCAGTCGAGGCAGGC
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>OTU5678;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9805),o:"Bacteroidales"(0.9775),f:"Prevotellaceae"(0.9387),g:Prevotella(0.8124);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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>OTU5679;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.7995),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0712);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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0.0000),f:Micrococcaceae(0.0000),g:Arthrobacter(0.0000);
ACCCGGCCGCTCGACGCCATTAATCATGTTTTCCGTAAATTCCGCGCCTTCCATGATGAGACAGGCCGTTTGAATGTTG
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>OTU5682;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8472),o:"Bacteroidales"(0.6
509),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0423);
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846),f:"Prevotellaceae"(0.7428),g:Prevotella(0.2171);
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955),f:"Prevotellaceae"(0.7787),g:Prevotella(0.4351);
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ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGACGCAAGTCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTAAGGGGGAAGAGAAGAAGACGGTACCCCTTGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAGAGGGTGCGTAGACGGGAAGATAAGTTAGTTGTGAAATCCCTCGGCTTAACTGAGGAAATGCAACTAAAACTGTTTTTCTTGAGTACTGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTTCTGGACTGTAACTGACGCTGAGGTACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU5687;tax=d:Bacteria(0.0076),p:"Proteobacteria"(0.0000),c:Alphaproteobacteria(0.0000),o:Rhizobiales(0.0000),f:Bradyrhizobiaceae(0.0000),g:Bradyrhizobium(0.0000);
GTTTGCTGATGCACTAAGTCAACCTCAGCACTCACCTTGCGAGTCATTTCTTTGCTTTGGTCCTTGGTAAAATACTGACCAGCCGTTTGATCTTGAGTAAGCATTTTGCGCATAATCTCGGAAACCTGCTGTTGCTTGGAAAGATTGGTGTTTTCCATAATAGACGCAACGCGAGCAGTAGACTCCTTCTGTTGATAAGCAAGCATCTCATTTTGTGCATATACCTGGTCTTTCGTATTCTGGCGTGAAGTCGCCGACTGAATGCCAGCAATCTCTTTTTGAGTCTCATTTTGCATCTCGGCAATCGCTGTCTGATTGTCCAGTTGCATGTTAGTAAGCTCTTTTTGATGCTCAAAG
>OTU5686;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9867),c:Fusobacteriia(0.9726),o:"Fusobacteriales"(0.8955),f:"Fusobacteriaceae"(0.7428),g:Fusobacterium(0.2607);
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>OTU5685;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Peptostreptococcaceae(0.3884),g:Clostridium_XI(0.1735);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCGGCGGTAATACGTCGGGGGCTAGCGTTATCCGGTTTTACTGGGCGTAAAGGGTGCGTAGGCGGTCTTTTAAGTCAGAAGTGTAAGGCTACGGTTTAACCGTAGTAAGCTTTTGAAACTGGAGGACTTGAGTGCAGGTGATGAGAGTGGAATTACTAGTGTAGCGGTGAAATGCATAGATATTAGTAGGAACACCAATAGCGAAGGCGGCTCTCTTGACTGTAACTGACGCTGAGGCACGAAAGCGTGGGGAACAAACAGGATTAGATACCCTGGTA
>OTU5688;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:"Bacteroidia"(0.4812),o:"Bacteroidales"(0.2359),f:"Prevotellaceae"(0.0252),g:Prevotella(0.0076);

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352),f:"Prevotellaceae"(0.0073),g:Prevotella(0.0039);
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>OTU5690;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9604),o:"Bacteroidales"(0.8
629),f:"Prevotellaceae"(0.5991),g:Prevotella(0.1735);
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>OTU5692;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9769),c:"Bacteroidia"(0.6346),o:"Bacteroidales"(0.3
639),f:"Prevotellaceae"(0.0904),g:Alloprevotella(0.0157);
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>OTU5691;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Lachn
ospiraceae(0.7068),g:Coprococcus(0.3915);

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>OTU5694;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9671),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.5
766),f:"Porphyromonadaceae"(0.3544),g:Odoribacter(0.0904);

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>OTU5693;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.8048),o:"Bacteroidales"(0.5
395),f:Bacteroidaceae(0.0904),g:Bacteroides(0.0181);

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280),f:"Prevotellaceae"(0.8505),g:Prevotella(0.5720);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
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ionales(0.6509),f:Desulfovibrionaceae(0.3544),g:Desulfovibrio(0.0904);

ACGGGAGGCAGCAGTGGGGAATATTGCGCAAGGGGCGAAAGCATGACGCAGCGACTCCGCGTGAGGGATGAAGG
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GACTTGACTCCGTGAGAGGGTGGCAGAATTCCAGGTGTATGAGTGAAATCCGTAGACATCTGGAGGAACATCCGTG
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>OTU5698;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8448),c:Sphingobacteriia(0.4045),o:"Sphingobacteri
ales"(0.1719),f:Sphingobacteriaceae(0.0710),g:Solitalea(0.0134);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCATGCCGCGTGAAGGAATAAGGC
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>OTU5699;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:"Bacteroidia"(0.3483),o:"Bacteroidales"(0.1
483),f:"Porphyromonadaceae"(0.0560),g:Barnesiella(0.0087);

AAGGGAGGAAGAAGGGAGGAAGAGGGGAAAAGGGGCGGAAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACG
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389),f:"Prevotellaceae"(0.8505),g:Prevotella(0.4351);

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>OTU5697;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Rumin
ococcaceae(0.0149),g:Saccharofermentans(0.0066);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGAGGAAACTCTGACCCAGCAAAGCTGCGTGAAGGAAGAAGGT
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959),f:"Prevotellaceae"(0.0904),g:Prevotella(0.0181);
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497),f:"Prevotellaceae"(0.9015),g:Prevotella(0.5720);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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>OTU5703;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lachn
ospiraceae(0.2184),g:Fusicatenibacter(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGGTGCCACGGCGCCGCGTGGGCGGAGAAGTA
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CCAGCAACCCCCGTAATACGGAGGGGGGCAGCCGTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCATGG
CAAGTCTGATGTGAAAACCCAGGGCTCAACCCTGGGACTGCATTGGAAACTGTCAAGCTGGAGTGTCGGAGAGGTA
AGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACG
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>OTU5701;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Rumin
ococcaceae(0.6709),g:Oscillibacter(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGACGCAAGTCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGCCGAC
AAGTCAGATGTGAAATCCACGGGCTTAAACCGTGGACTGCATTTGAAAACGTTGGTCTTGGGTATCGGAGAGGTAAA
CCGAATTTCTTGTGGAGGGGTGAAATGCGTAGATATTAGGAAGAACAACCGTGGCGAAGGCGGGTTAATGGACCAC
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0.0000),f:Micrococcaceae(0.0000),g:Kocuria(0.0000);
GGCATTGTTTGTGAGCGTTGTGGTGTGGAGGTCACAGAGAGTCGGGTGCTACGTCACCGCATGGGCTTTATCAAGTT
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ATTGCTCACGGAAGATGAGTGGCTTGAAATTGAAGACGAGATTTATGCAGAAGATGAAGAAATGGAAAATGAACCC
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>OTU5705;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Negativicutes(0.9733),o:Selenomonadales(0.906
3),f:Veillonellaceae(0.8864),g:Anaerovibrio(0.3479);
ACGGGAGGCAGCAGTGGGGAATCTTCCGCAATGGGCGCAAGCCTGACGGAGCAACGCCGCGTGAGTGAAGAAGGT
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>OTU5708;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.6
881),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0712);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGCGTGAGGGATGACTGC
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>OTU5706;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Lachnospiraceae(0.0904),g:Lachnospiracea_incertae_sedis(0.0134);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAAGGATGAAGGTTCTATGGATTGTAAACTTCTTTTATTCGAGGGTAAAGTGAGGTACGTGTACCTTATTGCAAGTATCGAATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGTGGCAAGGCAAGTCAGATGTGAAAACCCGGGGCTCAACTCCGGGACTGCATTTGAAACTGTCTAGCTAGAGTGCAGGAGGGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCATAGATATTAGGAGGAACATCGGTGGCGAAGGCGGCTTTCTGGACTGACACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU5709;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8472),o:"Bacteroidales"(0.6509),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0808);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTCGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGAGGATAAACTCGGCCACGTGTGGCTTATTGAAGGTACCGTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTGATAAGTGTGTGGTGAAATCTCGGGGCTCAACCTCGGCACTGCCTCCAGTACTGGTAGACTTGAGAGTGGAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACACAGAACTCCGATTGCGAAGGCAGCCTGCTGAAGCGTATCTGACGCTGAAGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

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ACGGAAGGCAGCAGTGAGAAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGCCCTATGGGTTGTAAACTGCTTTTATACGGGGATAAAGTGAGCCACGTGTGGCTTATTGCAGGTACCGTATGAATAAGGACAGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTGTTAAGCGTGATGTGAAACGTCGGGGCTAAACCTAGGAATTGCAGCGCGAACTAGCAGACTTGAGTGCGCAGGATGTAGGCGAGATTCGTCGTGTAGAGGTGAAATGCTTAGATATGTAGAAGACCTCCGATTACAAGGGCAGCCTGCTGTAGCGTAACTGACCCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGATA

>OTU5710;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9784),o:Lactobacillales(0.9497),f:Lactobacillaceae(0.8864),g:Lactobacillus(0.6681);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTTTTGTTGGTGAAGCAGGATAGATGTCGTAACTGGCCTTTATTTGACGGTAATCAACCAGCAAGTCACGGCTAACTACGTGCCAGCAGCCTCGTTCCTACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTAAGGTGAAAGCCCTCGGCTTAACCGAGGAACTGCATCGGAAACTGTTTTTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGGCTGCAACTGACGCTGAGGCTCGAAAGCATGGGGAGCGAACAGGATTAGATACCCTGGTA

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CCTTGCGACCCTCGGCAGGAAGAACCATACGCCCAATATCACGCAAATCGTCACGCCACGCATTGGGATTATCATACCACGCCTCTAATCGGTCGTCAGCCAACGTGAGAGTGTCAAAAACGATAAACCAACCATCAGCATGAGCCTGTCGCATTGCATTCATCAAACGCTGAATAGCAAAGCCTCTACGCGATTTCATAGTGGAGGCCTCCAGCAATCTTGAACACTCATCCTTAATACCTTTCTTTTTGGGGTAATTAGACTCATCGCGAATATCCTTAAGAGGGCGTTCAGCAGCCAGCTGGGGGCAAAACTGCGTAACCGTCGGCTCGTTC
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ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTCTTCGGATAGTAAAACTCTGTTGTTAGAGAAGAACACGAGTGAGAGTAACTGTTCATTCGATGACGGTATCTAACCAGCAAGTGACGGCTAACAACGTGCGAGCAACCGCGGCAATACGGAGGGGGAAAGCGTTGTCCGGATTTATTGGGCGTAAAGGGAACGAAGGCGGTCTTTTAAGTCTGATGTGAAAGCCTACGGCTTAACCTGAGTAGTGCATTGAAAACTGGAAGACTTGAGTGCAGAAGAGGAGAGTGGAACTCCACGTGTAGCGGTGAAATGCGTATATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGTATCTGACGCTGAGGTTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
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ACGGGAGGCAGCAGTAAGGGATATTGGTCAATGGGCGGGAGCCTGAACCAGCCATGCCGCGTGAGGGATTGAGGCCCTACGGGTCGTAAACCTCTTTTGCCGGGGGATAACGGGCGTCACGCGTGGCGCCGTGAAGGTACCCGGAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGGCGGCTAAGTCGGCGGTGAAATGTCCGGGCTCAACCGGGTCAGTGCCGATGAAACTGGGGGTCTTGAGTGCGGTCGAGGCCGGCGGAATGTGGCGTGTAGCGGTGAAATGCGTAGATATGCCACAGAACACCGATAGCGAAGGCGGCTAGCCGGGCCTGCATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU5716;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9776),o:"Bacteroidales"(0.9685),f:"Prevotellaceae"(0.8864),g:Prevotella(0.5239);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAAGGGGATAAAGTGAGCCACGTGAGGCTTTTTGCATGTACCGTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGGAGATTAAGCGTGACGTGAAATGTAGCTGCTCAACAGCTGAACTGCAGCGCGAACTGGCTTTCTTGAGTACGTACAAAGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCCACAGGAGCGTTACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

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ococcaceae(0.0710),g:Pseudoflavonifractor(0.0087);
ACGGGAGGCAGCAGTGAGGAATATTGGTAAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGAC
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911),f:"Prevotellaceae"(0.9759),g:Prevotella(0.9743);
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cillaceae(0.8146),g:Lactobacillus(0.5239);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGACGCGTGAGTGAAGAAGGG
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GCA
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diaceae_1(0.2864),g:Clostridium_sensu_stricto(0.0808);
ACGGAAGGCAGCAGTAGGGAATATTGCACAATGGGGGAAACCCTGAAGCAGCAAAGTCGCGTGAGGGATGAAGGT
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>OTU5720;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8472),o:"Bacteroidales"(0.6509),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0615);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGAGGGAAGACTGCCCTATGGGTTGTAAACTTCTTTTGTTTGGGAATAAAGTGTGGGACGTGTCCCGCATTGCATGTACCCTTTGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGTGGTTTAAGCGTGTCGTGAAATGCCGGCGCTCAACCGCGGAATTGCGGCGCGAACTGGTACACTTGAGTACGCGGGACGTAGGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTGACGGTAGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU5721;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9740),o:"Bacteroidales"(0.9172),f:"Prevotellaceae"(0.8146),g:Prevotella(0.4787);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGGTAAAGTGTGCCACGTGTTGCATATTGCAGGTAACCGATGAATAAGGACCGGCTAATTCCCTTCCAGCAGCCGCGGTAATTCGGGAGGTCCGGGCGTTATCCGGATTTATTGGGTTTGAAGGGAGCGTAGGCCGTCTTATAAGTGTGTTGTGAAATGTCGGGGCTTAACCTGGGCATTGCAGTGCGAACTGGGAGACTGGAGTGCGCAGGAAGTATGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCATGCTGTAGCGCAACTGACGCTGAAACTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU5723;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8267),c:"Bacteroidia"(0.4045),o:"Bacteroidales"(0.1719),f:Bacteroidaceae(0.0355),g:Bacteroides(0.0087);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTAAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGCTCTAGGGGTCGTAAACTTCTTTAGACGCAGAGCAATGAGGAGTTTGTAAGATGCGTTGTAAGTATTCTATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGTGGAAGTGTAAGTCAGTTGTGAAAGCTCCCGGCTCAACCGGGGAATTGCCGTTGATACTGTCAATCTTGAGTGCAGTAGACGTGGGAGGAATGCGTAGTGTAGCGGTGAAATGCTTAGATATCACTAAGAACTCCGATTGCGAAGGCAGCTCACGAAGGGGCGATTGACGCTGAGGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU5722;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Bacilli(0.5963),o:Lactobacillales(0.2679),f:Lactobacillaceae(0.1291),g:Lactobacillus(0.0230);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGACGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTTCCAGCAGCCGCGGTAATACGTAGGGTGCAAACGTTAATCGGAATTACTGGGCGTAAAGCGTGCGCAGGCGGTTCTGTAAGTCAGATGTGAAATCCCCGGGCTCAACTCGTGAACTGCATTTGAAACTACTCTTCTTGAGTATCGGAGAGGAAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGGGTTGCTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU5724;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:"Bacteroidia"(0.3483),o:"Bacteroidales"(0.1483),f:"Porphyromonadaceae"(0.0457),g:Parabacteroides(0.0087);
ACGGAAGGCAGCAGTGGGGAATATTGCTCAATGGGGGCGAGCCTGAACCAGCCAAGTCGCGTGAAGGATGAAGGTTCTCGGGATTTTAAACTTTTTTTACGGGGGAATAAAGTACGGGATGCGTCCTGTATTGTATGTCCCTCATGAATAAGCCACGGCCAACACCGTGCCAGCAGCCGCGGTAATCCGGAGGATGTGAGCGTTATCCGGATTCATTGGGTGTAAAGGGTGCGTAGGTGGCCATTTAAGTCTGCAGTGAAAGTCTGCGGCTCAACCACAGAATTGCCTTGGAAACTGTATGACTTGAGTATCTGTGGGGTAGGCGGAATTTGTGGTGTAGCGGTGAAATGCATAGATATCAGGAAGAACACCGGTCGCGAAGGCAGCTTGCTAGGCCATAACTGACACTGAAGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA
>OTU5725;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9711),o:"Bacteroidales"(0.8737),f:"Prevotellaceae"(0.6350),g:Prevotella(0.1299);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTGGGCCACGTGTGGCCTTTTGCAGGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCGAGTAAGAGTGTTGTGAAATGCAGTCGCTCAACGTCTGCCGTGCAGCGCATACTGCTCCACTTGAGTGCGCGCAACGTTGGCGGAATTCGCCGTGTAGCGGTGAAATGCTTAGATATGTCGAAGACCTCCGATTGCGAAGGCAGCTGGCGGGTGCGTAACTGACGCTCAAGCTCGAAAGTGCGGGTATCGAACAGGTTTAGATACCCTGGTA
>OTU5726;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9887),o:Lactobacillales(0.9063),f:Lactobacillaceae(0.8146),g:Lactobacillus(0.4787);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCCACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGGTTGTGAAGAAGGATAGATGTAGTAACTGTACTTTATTTGACGGTAATCAACCAGAAAGTCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTTGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAGATAAGTCTAATGTGAAAGCCCTCGGCTTAACCGAGGAACTGCATTGGAAACTGTTTTACTTGAGTGTAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCCCCCTGGTCTGCAACTGACGCTGAGGTGCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU5727;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9887),o:Lactobacillales(0.9172),f:Lactobacillaceae(0.8146),g:Lactobacillus(0.5239);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGACGTAACTGGCCTGTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTGATACGTCTGTGGCAAGCGGGGTCCGGATTTATTGGGCGTAAAGGGAGCGCAGGCGGAAAGATAAGTCAGGTGTGAAAGCCTTCGGCTCAACCGGAGAATTGCATCAGAAACTGGTGAACTTGAGTGCAGAAGAGGAGAGTGGAACTCCAGGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU5728;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9776),o:"Bacteroidales"(0.9685),f:"Prevotellaceae"(0.9201),g:Prevotella(0.6200);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGTCACGTGTGGCATATTGCAGGTACCCGATGAAGAAGGACCGGCTAATTCCGTGCCAGCAGCGGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTTATAAGCGTGATGTGACACGTCGGGGCTCAACCGGGGCATTGCAGCGCGAACGGTGAGAGTAGAGTGCGCAGGAAGTAGGCGGAATTGGTCGTGTAGCGATGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU5729;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9507),c:"Bacteroidia"(0.8048),o:"Bacteroidales"(0.5395),f:"Prevotellaceae"(0.1679),g:Alloprevotella(0.0230);

CCTTTCTTCCTCCTCTCTTCCTCTTTTTCCCTTTCCTCCCGGCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTCGGGTTGTAAACTGCTTTTAGTCGGGAATAAAAGGGCGCACGTGTGCGTCGTATTGCAAGTACCGTCAGAAAAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGTCTGGTAAGTCAGTTGTGAAAACGCGGGGCTCAACTCCGCGCCTGCAGTTGATACTGTCGGACTTGAGTGCACGCAGGGATGCCGGAATTCATGGTGTAGCGGTGAAATGCTTAGATATCATGAAGAACTCCGATCGCGAAGGCAGGTGTCCGGAGTGCTACTGACGCTGAGTCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU5733;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9711),o:"Bacteroidales"(0.8737),f:"Prevotellaceae"(0.5991),g:Prevotella(0.2607);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTCTGGTTTGTAAACTCTTTTTAGGCGGGGGAAAAGGGCCGTACGCGTTGCGGCTTTGCAAGTACCGCCAGAAAAAGGGCCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTTATAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGAATTGCAGCGCGAACTGTGAGACTTGAGTGCGCAGGAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAGGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU5731;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Bacilli(0.7881),o:Lactobacillales(0.5023),f:Lactobacillaceae(0.3204),g:Lactobacillus(0.0904);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGGTTTCGGCTCATAAAGCTCTGTTGGTAGTGAAGAAAGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATTACTTAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGACAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGCGTAGGCGGTCTATTAAGTCTGATGTGAAAGGTACCGGCTCAACCGGTGAAGTGCATTGGAAACTGTGCAGCTAGAGTGTCGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGACGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU5730;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9784),o:"Enterobacteriales"(0.8955),f:Enterobacteriaceae(0.8505),g:Escherichia/Shigella(0.3479);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTGCTCATTGACGTTACCCGCAGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGCACGCAGGCGGTTTTATAAGGCCGATGTGAAATCCCCGGGCTTAACCTGGGAACTGCCTTTGAAACTGGCAAGATTGAGTCTCGTAGAGGGGTGTAGAATTCCAGGTGTAGAGGTGAAACGCGTAGAGGTCTGGAGGAATAACGGTGGAGAAGGCGGCCCCCTGGACGAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU5732;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Clostridiaceae_1(0.0355),g:Clostridium_sensu_stricto(0.0076);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGTAAGCCTGATCCAGCCATGCCGCATGAGTGATGAAGGCCTTTGGGTTGTAAAGCTCTGTTTTTAAGGACGATAATGACGGTACTCACGGAAGAAGTCATGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAGGTGGCTAGCGTTATTCGGATTTATTGGGCGTAAAGGGCGCGTAGGCGGATTAGTAAGTTAGAAGTGAAATACCAAGGCTCAACCTGGGAACTGCATTTAAAACTGCAAATCTAGAGAGTGAAAGAGGAGAGAGGAATTCCTAGTGTAGCGGTGAAATGCGTAAATATTAGGAAGAACACCAGTGGCGAAGGCGTCTCTCTGGTTCATATCTGACGCTGAGGCTCGAAGGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU5734;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9861),o:Lactobacillales(0.8629),f:Lactobacillaceae(0.6350),g:Lactobacillus(0.4351);
CCTTTCTTCCTCCTTCGTTCCTCTTCCCCCATTGACGCCAGTCTGGTGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGAAGGTAATTATTTAGAAAGTCACGGCTAACTACGTGCCAGCAGCAGCGGCAATAAGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGTGCAGGCGGTTCAATAAGTCTGATGTGAAAGCCTTCGGCTCAACCGGAGAGTTGCATCAGAAACTGTTAAACTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU5736;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8808),c:"Bacteroidia"(0.4812),o:"Bacteroidales"(0.2359),f:"Porphyromonadaceae"(0.0355),g:Barnesiella(0.0087);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTGAGCCTGAACCAGCCAAGTCGCGTGAGGGACGAAGGCCCTACGGGTTGTAAACCTCTTTTATAAGGGAATAAAGGGCGCTACGTGTGACGCATTGCATGTACCTTATGAATACGCATCGCCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGGTTAAAGGGTGCGTAGGTGGCTTGTTAAGTTAACGGTGAAAGTCCGTGGCTCAACCATTGAATTGCCTTTGAAACTGGCGAGCTAGAGTGCACGGGAGGTAGGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATGAGGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGTGCAACTGACGCTGAAGCTCGAAAGCGAGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU5735;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachnospiraceae(0.2184),g:Fusicatenibacter(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATTTCGGTATGTTAAGCCCTATCAGCAGGGAAGAAGAAATGACGGTAACTGACTTAGAAGCCCCGGCTAACTACGGTCCAGCAGCCGCGGGAATAAGGAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCATGGCAAGTCTGATGTGAAAACCCAGGGCTCAACCGTGGGACTGCATTGGAAACTGTCAAGCTGGAGTGTCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGGTATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATGACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU5739;tax=d:Bacteria(0.0041),p:"Proteobacteria"(0.0000),c:Gammaproteobacteria(0.0000),g:Candidatus_Carsonella(0.0000);
AATTCATGGTGTAATTGAACTAGACGCAGCTGCGTACTATGCCGGCAACATATTGTACACAACCGACGATCCCAAATTCATTGATTATATAAATTTAATAATTAAAGCAACACACTCCGAAGAACTACCAGAAAATAGCACTGTTGTAAATTACAGAAAAACTATGCGCAGCGGTACTATACACCCCATTAAAAAAGACATATATATTTATGACAACAAAAAATTTACTCTATACGATAGATACATATATGGATACGATAATAACTATGTTAATTTTTATGAGGAGAAAAATGAAAAAGAGAAGGAATACGAAGAAGAAGACGACAAGGCGTCTAGTTTATGGGAAAATAAAATTATATTGTCGCAAATTAACTGTGAATCAGTTGAAAATGATGTTAAATATTAC
>OTU5737;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Erysipelotrichia(0.8472),o:Erysipelotrichales(0.6509),f:Erysipelotrichaceae(0.4563),g:Turicibacter(0.2607);
ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGAATGATGAAGGCCTTCGGGTTGTAAAATTCTGTTATAAGGGAAGAACGACTTTAGTAGGAAATGGCTAGAGTGTGACGGTACCTTATGAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGTTGGCGAGCGTTATCCGGAATTATTGTGCGTAAAGAGCGCGCAGGTGGTTGATTAAGTCATGTGTGAAATCTATGGGCTTAACCCATAAACTGCACTTGAAACTGTATCTCTTGAGTGTCGGAGAGGTAGACGGAATTCCTCGTGTAGCGGTGAAATGCGTAGATATTAGGAGGACCACCAGTGGCGAAGGCGACTTACTGGACTGTAACTGACGCTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU5738;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9769),c:"Bacteroidia"(0.5579),o:"Bacteroidales"(0.2999),f:"Prevotellaceae"(0.0457),g:Prevotella(0.0110);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGCTGTAAACTTCTTTTATAAGGGAATAAAGTGCATCACGTGTGGTGTTTTGTATGTACCTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTATTCCGAAGGATCCGAGCTTTATCCGGATTAATTGGGTTTAAAGGGAGCGTAGGCCGTCTGTTAAGCGTGTTGTGAAATGTCGGGGCTCAACCGGGGCATTGCAGCGCGAACTGGCAGACTTGAGTGCGCGGGAAGTCGGCGGAATTCGTCGTGTAGCGGTGAAATGCATAGATATGCCACAGAACACCGATAGCGAAGGCAGCTCACTGGAGCGCAACTGACGCTAAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU5740;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Bacilli(0.9726),o:Lactobacillales(0.8412),f:Lactobacillaceae(0.6350),g:Lactobacillus(0.3479);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTAGAGAAGAACGTGCGTGAGATCAACTGTTCACGCAGTGACGGTATCTAACCAGAAAGTCCCGGCTAACTACGTGCCAGCCGCCCCGGTAATACGTTGGGGGCGAGCGTTGTCCGGATTTATTGGGCGTAAAGGGAGCGCAGGCGGTTGCTTAAGTCTGATGTGAAAGCCTTGGGCTTAACCGGAGAAGTGCATCGGAAACCGGGAGACTTGAGTGCAGAAGAGGAAAGTGGAACTCCATGTGTAGCGGTGAAATGCGTAGAGATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCGCGAAAGCATGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU5741;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Ruminococcaceae(0.5991),g:Subdoligranulum(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCCAAGCAGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTGTTTTGTTAGGGACGAAACAAGTGACGGTACCTGACGAATAAGGAACGGCTAACTACGTGCCAGAAGCCGCGGAAATCCGTCGGTGGCAAGCGTAATCCGGATTTACTGGGTGTAAAGGGAGAGCAGGCGGACCGGCAAGTTGGAAGTGAAATCTATGGGCTCAACCCATAAATTGCTTTCAAAACTGCTGGCCTTGAGTAGTGCAGAGGTAGGTGGAATTCCCGGTGTAGCGGTGGAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGACCTACTGGGCACCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU5742;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9180),o:"Bacteroidales"(0.8303),f:Bacteroidaceae(0.3544),g:Bacteroides(0.1299);

AGGGAAGGGAGAAGGGAGGAAGATGGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGAAGACTGCCCTATGGGTTGTAAACGTCTTTTATAAGGGAATAAAGTGCACCACGCGTGGTGTTTTGTATGTACCTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGCAGGTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGCCTGCTTGAGTGCGGCAGAGGCAGGCGGAATTTGTGGTGTAGCGGTGAAATGCTTAGATATCACGCAGAACTCCGATTGCGCATGCATCTTGCTCGAGCGTAACTGACGCTGATGCTCGAAAGTGCGGGTATCAAACAGGATTAGCTACCCTGGTA

>OTU5745;tax=d:Bacteria(0.0058),p:Firmicutes(0.0000),c:Negativicutes(0.0000),o:Selenomonadales(0.0000),f:Veillonellaceae(0.0000),g:Dialister(0.0000);

TCAACATTATTGCCCGGCGTACGGGGAAGGACGTCACTAGTCCCACAGTCCTTGACGGTCTACTACCCACCATCATGGCGACCATCCAAAGTATACACATCATAGGCAGTCGGGAGGGTAGTCGGAACCGAAGAAGACTCAAAGCGAACCAAACAGGCAAAAAATTTAGGGTCGGCATCAAAAGCAATATCAGCACCAACAGAAACAACCTGATTAGCGGCGTTGACAGATGTATCCATCTGAATGCAATGAAGAAAACCACCATTACCAGCATTAACCGGCAAACTATCAAAATATAAAGTTGACGATGGAGCTTTAGGGGTCGGGAAAACAGGTGCCGAAGAAGCTGGAGTA

>OTU5743;tax=d:Bacteria(1.0000),p:Firmicutes(0.9994),c:Bacilli(0.9897),o:Lactobacillales(0.9389),f:Lactobacillaceae(0.8864),g:Lactobacillus(0.7643);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGCCTGACGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTCGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCGTTATCCGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTACTGCATAGGTGGCAAGCGATGTCCGGATTTATGGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGGCCTCGGCTTAACCGAGGAACTGCATCGGAAACTGTTTTTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCAAGTGTAGCGGTGAAATGCGTAGATATATGGAGGAACACCAGTGGCGAAGGCGGCTCTCTGGACTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU5744;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Bacilli(0.6730),o:Lactobacillales(0.2999),f:Lactobacillaceae(0.1485),g:Lactobacillus(0.0181);
ACGGGAGGCAGCAGTAGGGAATCTTCCCCAATGGACGCAAGTCCGATGGAGCCAAGCCGCGTGAATGAAGAAGGTTCTCGGATTGTAAAGCACCGTTGTTGGTGAAGAAGGATGGAGGTAGTAACTGGTCTTTCTTTGACGGTATTCAACCCGACAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGACCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTAAGATAAGTGTGATGTGAAATCCCCGGGCTTAACCTGGGAGCTGCATCTGAAACTGGTGTTCTTGAGTGGAGAAGAGGAGAGGGGAACTCCATGTGCAGCGGTGAAATGCGTAGAGATAAGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGACTGCAACTGACGCTAAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU5748;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Bacilli(0.9846),o:Lactobacillales(0.8846),f:Lactobacillaceae(0.5991),g:Lactobacillus(0.3043);
ACGGGAGGCAGCAGTAGGGAATTTTCAACAATGGGCGCAAGCCTGATGGAGCACCACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTTTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCAGAAGGTCACGGCTAATTCCGTGCAACCAGCGGCGGTAATAAGTAGGTGGGATGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTGCTTAGGTCTGATGTGAAAGCCTTCGGCTTAACCGAGGAACTGCATCGGAAACTGTTTTTCTTGAGTGCAGGAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU5746;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Bacilli(0.5963),o:Lactobacillales(0.3319),f:Lactobacillaceae(0.1679),g:Lactobacillus(0.0423);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGGGCAACGCCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGGTAGTGAAGAAAGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATTACTTAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAACGGCAAGTTTGAAGTGAAATACCTGGGCTTAGCCCGGGAACTGCTTTGAAAACTGTCGA

TCTAGAGTGTCGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGG
CGAAGGCGGCTTGCTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGT
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>OTU5749;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Bacilli(0.9791),o:Lactobacillales(0.9707),f:Lactoba
cillaceae(0.9201),g:Lactobacillus(0.6200);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
TTTCGGCTCGTAAAACTTTGTTGTTGAAGAAGAACGTTCGGGAGCGTAACTGTTCACGCAGTGACGGTATTCAACCAG
ACAGTCACGTCTAACTACGTGCCAGCAGCCGCTGTGATACGTAGGTGGCAAGCCTTATTCGGATTTATTGGGCGTAAA
GCGAGCGCAGGCGGTTACTTAAGCCTGCGGTGAAAGTCTTCGGCTTAACCGAAGAAGTGCATCGGAAACTGGGTGA
CTTGAGTGCAGAAGAGGACAGTGGAACTCCAGGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGC
GAAGGCGGCTGTCTGGTCCGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU5750;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8267),c:"Bacteroidia"(0.2902),o:"Bacteroidales"(0.1
249),f:"Porphyromonadaceae"(0.0457),g:Barnesiella(0.0110);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGGAAGGCTGAACCAGCCAAGCCGCGTGAGGGAAGACGGC
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cillaceae(0.7428),g:Lactobacillus(0.6200);
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249),f:"Prevotellaceae"(0.0355),g:Prevotella(0.0087);
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995),f:Bacteroidaceae(0.3204),g:Bacteroides(0.0904);
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cillaceae(0.7428),g:Lactobacillus(0.4351);
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cillaceae(0.5991),g:Lactobacillus(0.2607);
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606),f:"Prevotellaceae"(0.9108),g:Prevotella(0.5720);
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737),f:Bacteroidaceae(0.5632),g:Bacteroides(0.3915);
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881),f:"Prevotellaceae"(0.1485),g:Prevotella(0.0326);
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acteriales"(0.8520),f:Enterobacteriaceae(0.7068),g:Escherichia/Shigella(0.3479);
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>OTU5805;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9719),o:"Bacteroidales"(0.8846),f:"Prevotellaceae"(0.5991),g:Prevotella(0.1299);

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>OTU5807;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9572),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5023),f:"Porphyromonadaceae"(0.2524),g:Odoribacter(0.0615);

ACGGGGGCAGCAGTGAGGAATCTTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTTAGGGAAGACTGCCCTATGGGTTGTAAACCTCTTTTATTCGGGAAGAATAAGTTTCACGCGTGGAACGATGCCTGTACCGACTGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGATGATGCGCGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTTGATTAAGTTAGTGGTAAAATGTCAGGGTTAAGCCTGGGCCAGCCATTAATACTGGTCAGCTTGAGTACAGACGAGGTAGGCGGAATAAGTTAAGTAGCGGTGAAATGCTTAGATATAACTTAGAACTCCGATAGCGAAGGCAGCTTACCAGGCTGTGACTGACGCTGAAGCACGAGAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU5806;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:"Bacteroidia"(0.4812),o:"Bacteroidales"(0.2359),f:Bacteroidaceae(0.1098),g:Bacteroides(0.0204);

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>OTU5808;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9887),o:Lactobacillales(0.9606),f:Lactobacillaceae(0.9015),g:Lactobacillus(0.5239);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCACACCGCGGTAGTGAAGAAGGGTTTTCGCCCGTTAAGCTCTGTTTTTAGAGGAGAACGTTCGGGAGAGCCACTGTTCACGCCGTGGCGGTATCCAACCAGAAAGTCCCGGCTAACTACGTGCCAGCAGCCGCGGGAATAAGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTGATAAGTCTGATGTGAAAGCCTTTGGCTTAACCAAAGAAGTGCATCGGAAACTGTCAGACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU5809;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Lachnospiraceae(0.3884),g:Clostridium_XlVa(0.1299);

ACGGGAGGCAGCAGTGGGGAATATTGCAAAATGGGCGAAAGCCTGACGCAGCAACGCCGCGTGAGTGAAAAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCTCCGGCTAACTACGAGCCAGCAGCCGCGGTAATACGAAGGGGGCAAGCGCCATCCGGATTTACTGGGTGTAAAGGGAGCTTAGACGGCGAGGCAAGTCTGAAGTGAAAGCCCGGGGCTCAGCCCCGGGACTGCTTTGGAAACTGTCTTTCTGGAGTGCTGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTTGACAGTAACTGACGTTTAGTCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU5811;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9866),o:Lactobacillales(0.8629),f:Lactobacillaceae(0.6709),g:Lactobacillus(0.4787);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGCTCTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGCAATACGTAGGTGGCAAGCGCTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGGAAAATAAGTCTAATGTGAAAGGCCGCTGCTTAACCGCTGAACTGCGTCGGAAACTGTTTGTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCAGGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAAGCGGCTCTCTGGTCTGTAACTGACGCTGAGGTTCGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU5810;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Eubacteriaceae(0.2864),g:Eubacterium(0.0808);

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>OTU5812;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:"Bacteroidia"(0.4428),o:"Bacteroidales"(0.2039),f:"Prevotellaceae"(0.0904),g:Prevotella(0.0181);
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>OTU5813;tax=d:Bacteria(0.0041),p:"Proteobacteria"(0.0000),c:Epsilonproteobacteria(0.0000),o:Campylobacterales(0.0000),f:Helicobacteraceae(0.0000),g:Helicobacter(0.0000);
CTTGGTCATTTAGAGGAAGTAAAAGTCGTAACAAGGTCTCCGTAGGTGAACCTGCGGAGGGATCATTACACAATATGAAGGCGGGCTGGATCCCGCCTGCTGGGCACTGCTTCACGGCGTGCGCAGTAGGGGCCGGCCCTGCTGAACTATTCACCCGTGTCTTTTGCGTACCTCTTGTTTCCTGGGCGGGCTCGCCCGCCACCAGGACCAACCATAAACCTTTTTGTAATAGCAATCCGCGTCAGTAACAACGTAATTAATTACAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGC
>OTU5814;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9168),c:"Bacteroidia"(0.6346),o:"Bacteroidales"(0.3639),f:"Prevotellaceae"(0.1291),g:Prevotella(0.0230);
ACGGAAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATGCCGCGTGAAGGACTAAGGCCCTATGGGCCGTAAACTTCGTTAGACGCAGAGCAATAAGGGCCACGCGTGGTCCGATGAGAGTATGCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGAGCGCAGGCCGCCCCTTAAGCGTGTTGTGAAATGCCGCGGCTCAACCGTGGCACTGCAGCGCGAACTGGGGGGCTTGAGTACGCACAAAGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU5817;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.9606),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGCATACCCGTTTGCATGTACTTTATGAATAAGGATCGGCTAACACCGTGCAAGAAGCCGCGGTAATACGGAGGATCAGAGCGTTATCCGGATTGATTGGGTTGAAAGGGAGCGTAGATGGATGTTTAAGTCAGTTGTGAAATTTTGACGCTCAACCGTAAAATTGCAGTTGATACTGGATATCTTGATTACAGTTGAGCCAGGCGGAATTCGTGTTGTAGCGGTGAAATGCTTAAACATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTACGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
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9866),f:"Fusobacteriaceae"(0.6709),g:Fusobacterium(0.0712);
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719),f:"Prevotellaceae"(0.0710),g:Prevotella(0.0110);
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cillaceae(0.0000),g:Lactobacillus(0.0000);
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cillaceae(0.9108),g:Lactobacillus(0.5720);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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138),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0326);
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766),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0808);
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652),f:"Prevotellaceae"(0.1291),g:Prevotella(0.0230);
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303),f:"Prevotellaceae"(0.4224),g:Prevotella(0.1735);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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ococcaceae(0.2184),g:Clostridium_IV(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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520),f:"Prevotellaceae"(0.4914),g:Prevotella(0.0904);
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395),f:"Prevotellaceae"(0.2864),g:Alloprevotella(0.0423);
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cillaceae(0.9201),g:Lactobacillus(0.8124);
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ales"(0.0413),f:Sphingobacteriaceae(0.0099),g:Parapedobacter(0.0043);
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cillaceae(0.8146),g:Lactobacillus(0.5239);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGCCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTT
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679),f:"Prevotellaceae"(0.1291),g:Prevotella(0.0134);
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781),f:"Porphyromonadaceae"(0.0252),g:Barnesiella(0.0076);
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cillaceae(0.8864),g:Lactobacillus(0.7643);
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719),f:"Porphyromonadaceae"(0.0252),g:Odoribacter(0.0076);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGGAAGGCTGAACCAGCCAAGTCGCGTGAGGGAAGACTGC
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ionales(0.1249),f:Desulfovibrionaceae(0.0457),g:Desulfovibrio(0.0110);

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ales(0.5023),f:Sutterellaceae(0.2864),g:Sutterella(0.0808);

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606),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);
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172),f:Bacteroidaceae(0.5991),g:Bacteroides(0.4351);
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6),f:Veillonellaceae(0.3884),g:Mitsuokella(0.0712);
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395),f:"Porphyromonadaceae"(0.2864),g:Odoribacter(0.0615);
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ospiraceae(0.4224),g:Blautia(0.1735);
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359),f:"Prevotellaceae"(0.1098),g:Prevotella(0.0204);
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520),f:"Prevotellaceae"(0.5991),g:Prevotella(0.3043);
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303),f:"Prevotellaceae"(0.3544),g:Prevotella(0.1299);
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XI(0.0000),g:GpXI(0.0000);
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39),f:Erysipelotrichaceae(0.1872),g:Bulleidia(0.0326);
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ionales(0.2679),f:Desulfovibrionaceae(0.1098),g:Desulfovibrio(0.0157);
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cillaceae(0.8146),g:Lactobacillus(0.5720);
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303),f:"Prevotellaceae"(0.5273),g:Prevotella(0.0904);
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395),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0181);
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737),f:"Prevotellaceae"(0.6709),g:Prevotella(0.2171);
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766),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0181);
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280),f:"Prevotellaceae"(0.1485),g:Prevotella(0.0181);
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ospiraceae(0.3544),g:Coprococcus(0.0904);
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955),f:Bacteroidaceae(0.5273),g:Bacteroides(0.3479);
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497),f:"Prevotellaceae"(0.9108),g:Prevotella(0.5720);
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412),f:"Prevotellaceae"(0.5991),g:Prevotella(0.3043);
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280),f:"Prevotellaceae"(0.8146),g:Prevotella(0.4351);
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319),f:"Prevotellaceae"(0.1679),g:Alloprevotella(0.0204);
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039),f:"Prevotellaceae"(0.0904),g:Prevotella(0.0181);
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ospiraceae(0.2524),g:Oribacterium(0.0615);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGAGGCAACTCTGATGCAGCGACGCCGCGTGAGTGAAGACGTA
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303),f:"Prevotellaceae"(0.5273),g:Prevotella(0.1299);
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GAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCCTCGGCTTAACCGAGGAACTACATCGGAAACTGGCAGACT

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520),f:Bacteroidaceae(0.5273),g:Bacteroides(0.3479);
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cillaceae(0.8146),g:Lactobacillus(0.5239);
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ospiraceae(0.1485),g:Ruminococcus2(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGACCAAAAGTCTGATCCAGCAATTCTGTGTGCACGATGACGGT
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846),f:"Prevotellaceae"(0.5273),g:Prevotella(0.3043);
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652),f:"Prevotellaceae"(0.1485),g:Alloprevotella(0.0181);
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023),f:"Porphyromonadaceae"(0.1679),g:Barnesiella(0.0326);
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639),f:"Prevotellaceae"(0.1291),g:Alloprevotella(0.0157);
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063),f:"Prevotellaceae"(0.8146),g:Prevotella(0.3043);
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395),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0204);
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ales(0.8303),f:Sutterellaceae(0.6350),g:Sutterella(0.4787);
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cillaceae(0.8864),g:Lactobacillus(0.7162);
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teriaceae(0.5632),g:Eubacterium(0.3915);
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359),f:"Prevotellaceae"(0.0560),g:Paraprevotella(0.0134);
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039),f:"Prevotellaceae"(0.0560),g:Prevotella(0.0134);
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streptococcaceae(0.5991),g:Clostridium_XI(0.4351);
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303),f:"Prevotellaceae"(0.5273),g:Prevotella(0.0808);
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252),f:"Prevotellaceae"(0.4224),g:Prevotella(0.0423);
ACGGTCGGCCTCCTTTCGGCCTCTTTTTCCCTGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCC
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CCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGCAGGCCGCCGGGCAAGCGTGTTGTGAAATGCAGTCGCTCAACGTCTGCACTGCAGCGCGAACTGCGCAGCTTGA
GTGCGCGCAACGTTGGCGGAATTCGCCGTGTAGCGGTGAAATGCTTAGATATGGCGAAGAACTCCGATTGCGAAGG
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>OTU5966;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9966),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.5
766),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0326);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGCAGCGTGCAGGACGACGGC
CCTAGGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTGTGCCACTCGTGGCCTTTTGCAGGTACCGCATGAATAAG
GACCGGCCAATTCCGTTCCATCAGCCGCGGTAATACGGAAGGTCCGGTCGTTATCCGGATTTATTGGGTTGAAAGGG
AGCGCAGGCCGGCGGGCAAGCGAGTTGTGAAATGCAGTGGCTCAACGTATGCACTGCAGCGCGAACTGCCCAGCTT
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>OTU5968;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Bacilli(0.3483),o:Lactobacillales(0.1483),f:Strepto
coccaceae(0.0355),g:Streptococcus(0.0087);
ACGGAAGGCAGCAGTAGGGAATCTTCGGCAATGGGGCAACCCTGACTGGGCAACGACGCGTGAGTGAAGAAGGTT
TTCGGACCCTAAAGGTCCGTTGTATGTCAAGAAAGGTTGTGAGAGTGGACTGTTCACACAGTGACGGTAGCTAACCA
GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGTCGAGCGTTGTCCGGATTTATTGGGCGTA
AAGCGAGCGTAGGCGGTTTGGTAAGTCTGCTGTGAAAAGGCGGGGCTCAACCATGTATTGCGTTGGAAACTGTCAA
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cillaceae(0.9108),g:Lactobacillus(0.6681);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGCAGCAACACCGCGTGAGTGAAGAAGGG
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GACTTGAGTGCAGAAGAGGAAAGTGGAACTCCAAGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTG
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terales(0.0000),f:Desulfobulbaceae(0.0000),g:Desulfotalea(0.0000);
TAATAAGAACGAACCATCAAACAGCCTCCAAGATTTGGAGGCATGAAAACATACAATTGGGCGGGTGTCAATCCTGA
CGGTTATTTCCTATACCACTTAGAGCCAATACCATCAGCTTTACCGTCTTTCCAGAAATTGTTCCAAGTATCGGCAACA
GCTTTATCAATACCATGAAAAATATCAACCACACCAGAAGCAGCATCAGTGACGACATTAGAAATATCCTTTGCAGTA
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>OTU5971;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Clostri
diaceae_4(0.0113),g:Geosporobacter(0.0056);
ACGGGAGGCAGCAGTCGGGAATATTGCGCAATGGAGGAGACTCTGACGCAGTGACGCCGCGTGCAGGAAGACGGT
TTTCGGATTGTAAACTATTTTCTATAGGGAAGAAAAAAGACAGTACCTAACGAGGAAGCTCCGGCTAACTACGTGCCA
GCAGCCGCGGTACTACGTAGCGAGCGAGCGTTATCCGGATTTATTGGGTGTAAAGGGTGCGTAGACGGGCATGCAA
GTTGGTCGTGAAATCCCTCGGCTTAACTGAGGAACTGCAACGAAAACTGTATGTCTTGAGTGCAGGAGAGGTAAGCG
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172),f:"Prevotellaceae"(0.8146),g:Prevotella(0.5720);
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ACCGGCTAATTCCGTGCCACAAGCCGAGGTAATCGGGAGGGTCCGGCCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCCGTCTTATAAGCGTGTCGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGTGAGACTTGA

GTGCGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGG
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>OTU5970;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9762),o:"Enterob
acteriales"(0.8629),f:Enterobacteriaceae(0.7428),g:Escherichia/Shigella(0.3479);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAATGAGGCC
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AAAGCGCACGCAGGCGGTTTGTTAAGTCAGAGGTGAAATCCCCGGGCTCAACCTGGGAACTGCATCTGATACTGGCA
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GTA
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520),f:"Prevotellaceae"(0.5991),g:Prevotella(0.1735);
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ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGCAGGCCGCCGGGTAAGTGTGTTGTGAAATGTAGTCGCTCAACGTCTGCACTGCAGCGCATACTGCTCAACTTGA
GTGCGCGCATCGTGGGCGGAATTCGACGTGTAGCGGTGAAATGCTTAGATATGTCGAAGAAACCCGATTGCGAAGG
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023),f:"Prevotellaceae"(0.1679),g:Prevotella(0.0230);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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GCACGGCTCATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTCATTGGGTTTAAAGGG
AGCGCAGGCCGCCCCTTAAGCGTGTTGTGAAATGCCGAGGCTCAACCGTGGCACTGCAGCGAGAACTGGGGGGCTT
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>OTU5977;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Lachn
ospiraceae(0.1872),g:Dorea(0.0519);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGATGCAGCGACGCAGCGTGAAGGATGACGGC
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ococcaceae(0.0099),g:Intestinimonas(0.0046);
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0),f:Spirochaetaceae(0.0000),g:Treponema(0.0000);
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ospiraceae(0.0149),g:Clostridium_XlVa(0.0066);
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ales(0.8737),f:Sutterellaceae(0.7428),g:Sutterella(0.6200);
ACGGGAGGCAGCAGTGGGGAATTTTGGTCAATGGGGGCAACCCTGATCCAGCCATGCCGCGTGCAGGATGAAGGCC
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acteriales"(0.6509),f:Enterobacteriaceae(0.4563),g:Escherichia/Shigella(0.0904);
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252),f:"Prevotellaceae"(0.4563),g:Prevotella(0.0712);
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8955),f:"Fusobacteriaceae"(0.7068),g:Fusobacterium(0.2607);
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766),f:"Prevotellaceae"(0.1485),g:Prevotella(0.0204);
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>OTU5983;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8448),c:Sphingobacteriia(0.2321),o:"Sphingobacteriales"(0.1015),f:Sphingobacteriaceae(0.0355),g:Pedobacter(0.0087);
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>OTU5986;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Lachnospiraceae(0.8146),g:Roseburia(0.4787);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGATGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAAAATGACGGTACCTGACTAAGAAGCACCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGGTGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGTACGGCAAGTCTGATGTGAAAGCCCGGGGCTCAACCCCGGGACTGCAGTGGAAACTGTCGGACTAGAGGTTCGGAGGAGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTTGATATTAGGAGGAACACCAGTGGGGAAGGCGTCTTACTGGACGATTACTGACGCTGGGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU5989;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9990),c:Fusobacteriia(0.9820),o:"Fusobacteriales"(0.9821),f:"Fusobacteriaceae"(0.5991),g:Fusobacterium(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGACCAAACGTCTGATCCAGCAATTCTCTGTGCACGATGAAGTTTTTCGGAATGTAAAGTGCTTTCAGCTGGGACGAAGTAAGTGTCGGTACCAACAGAAGCAGCGACGGCTAAATTCGTGCCAGCAGCCGCGGTAATACGTATGTCGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGCGTCTAGGCGGTTTGGTAAGTCTGATGTAAAAATGCGGGGCTCAACTGCGTATGGCGGTGGAAACTGGCTGACTAGAGTGTCGGAGAGGTGGGCGGAACTACAAGTGTAGAGGTGAAATTCGTAGATATTAGTAGGAATGCCGATAGAGAAGTCAGCTCACTGGACGAAAACTGACACTGAAGCGCGAAAGCATGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU5988;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.2586),c:Fusobacteriia(0.1159),o:"Fusobacteriales"(0.0547),f:"Fusobacteriaceae"(0.0149),g:Fusobacterium(0.0066);
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>OTU5987;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8808),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.3959),f:"Prevotellaceae"(0.1872),g:Prevotella(0.0157);

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>OTU5990;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8808),c:"Bacteroidia"(0.4428),o:"Bacteroidales"(0.2039),f:"Prevotellaceae"(0.0904),g:Prevotella(0.0157);

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>OTU5991;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Bacilli(0.9180),o:Lactobacillales(0.7995),f:Lactobacillaceae(0.4914),g:Lactobacillus(0.2607);

AAGGAAGGGAGAAGGGGGGAAGATGGCAAAAGGGGAGAAAGAGGGAGGGAGAAACGAGGAGTGGAGGAAGACGGTTTTCGGATTGTAAACTCCTGTTCTTAGTGAAGAAAAATGACGGTAGCTAAGGAGCAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGTGCAGGCGGTTCAATAAGTCTGATGTGAAAGCCTTCGGCTCAACCGGAGAATTGCATCAGAAACTGTTGAACTTGAGTGCAGAAGAGGAGAGTTGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGCGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGTCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTTGTA

>OTU5993;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9918),o:Lactobacillales(0.9730),f:Lactobacillaceae(0.9201),g:Lactobacillus(0.6681);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTAGAGAAGAACGTGCGTGAGAGCAACTGTTCACGCAGTGACGGTATCTAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCTGTAATACGTATGTCGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCCTCGGCTTAACCGAGGAACTGCATCGGAAACTGTTTTTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU5992;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9882),o:Lactobacillales(0.9389),f:Lactobacillaceae(0.8864),g:Lactobacillus(0.7162);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCCGATGGAGCAACGCCGCGTGCGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAAACAGAACGTCACGGCTAACTACGTGACAGCAGACGCGGTAATACGTAGGTGGGAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCCGCGGCTTAACCGAGGAACTGCATCGGAAACTGTTTTTCTTGAGTGCAGATGAGGAGAGGGGAACTCCATGTGTAGCGGTGGAATGCTTAGATATATGGAAGAACACCAGTTGCGAAGGCGGCTCTATGATCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU5994;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8897),o:"Bacteroidales"(0.7623),f:"Prevotellaceae"(0.4563),g:Prevotella(0.0712);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTGGGCCACGCGTGGCCTTTTGCAGGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGCCGGGCAAGCGTGGTGTGAAAAGCAGGCGCTCAACGGCTGAAATGGAGGGGGAAATGGCCAGCTTGAGTGCGGGGAACGTTGGCGGAAATCGGCGTGTAGCGGTGAAATGCTTAGATATGGCGAAGAACTCCGATTGCGAAGGCAGCTGACGGGTGCGTAACTGACGCTCATGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU5995;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9900),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4652),f:"Prevotellaceae"(0.1679),g:Prevotella(0.0204);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTGGGCCACGCGTGGCCTTTTTCCGGTACCGCATTAATTAGGACCGGCTTATTCCGTGCCAGCCGCCGCCGTAATTCGGAAGGTCCCGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGCCGGGCAAGCGTGTCGTGAAATGCAGACGCGCAACGTCTGAACTGCGGCGCGAGCTGCCAGGCTTGAGTGAGCGCAACGTTGGCGGAATTCGCCGTGTAGCGGTGAAATGCTTAGAGATGGCGAAGAACTCCGATTGCGAAGGCAGCTGACGAGTGCGTAACTGACGCTCATGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU5996;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.7995),f:"Prevotellaceae"(0.4563),g:Prevotella(0.0712);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGAGATAAAGTGGGGTACGCGTGGCCTTTTGCAGGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGCCGGGCAAGCGTGTAGTGAAATGCAGTCGCTCAACGTTGGAACTGCATTGCGAACTGCTCAGCTTGAGTGCGCACGACGTTAGAGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATTACGAAGAACTCCGATTGCGAAGGCAGCTGACGGGTGCGTAACTGACGCTCATGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU5998;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9887),o:Lactobacillales(0.9389),f:Lactobacillaceae(0.9015),g:Lactobacillus(0.7643);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGCGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTGTTTGACGGTAATCAACCAGAAAGGCACGATTAACTACGTGCCAGCAGCGTCGGTAGTACGGAGATGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTGATGTGAAAGCCCTCGGCTTAACAGAGGAACTGCGTCGGAAACTGTTTGTCTTGAGTGCAGAAGAGGAGAGTGGGACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTTGCGAAGGCGGCTCTCTAGTCTGCAACTGACGCTAAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU5997;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Bacilli(0.9719),o:Lactobacillales(0.8520),f:Lactobacillaceae(0.5991),g:Lactobacillus(0.4351);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGACGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGACGAAGGATAGGGCTATTAACTGTCCTTTATTTGCCGGTAATCAACCAGCAAGTCACGGCTTACTACGTGCCAGCAGCCGCGGTAATACGTAGGTTGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCTCTCGGCTTAACCGGGGAACTGCATCGGAAACTGTCTTTCTTGAGTGCCGGAGAGGAGAGTGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAGGAACACCAGTGGCGAAGGCGGCTCTCTGGACGGCAACTGACGCTGAGGCTCGAAAGCATGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU6000;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9900),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4652),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0326);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGCAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTGGGCCACGCGTGGCCTTTTTCAGGTACCGCATGAAGAAGGACCGGCTAATACTGTGCCAGCAGCCGCGGTAATACGGAAGGACCGGGCGTTATCCGGAATTATTGGGTTTAAAGGGAGCGCAGGCCGCCGGGCAAGCGAGTAGTGAAATGCAGACGCTCAACGTCTGAACTGCAGCGCGAACTGCCAAGCTTGAGTGCGAGAGACGTTGGAGGAATTCGCCGTGTAGCGGTGAAATGCTTAGATATGACGACGAACTCCAGTTGCGAAGGCAGCTGACGGGTGCAAAACTGACGCTCATGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU6002;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9180),o:"Bacteroidales"(0.8303),f:"Prevotellaceae"(0.4914),g:Prevotella(0.0712);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTGGGCCACGCGTGGCCTTTTGCAGGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGCTAATACGGAAGGTCCGGGCGTTATCCGGATTGATTGGGTTTAAAGGGAGCGCAGGCCGCCGAGCAAGCGTGTTGTGAAATACTGTCGCTCAACGACAGAGGTGCAGCGCGAACTGGAGGACTTGAGTGCGCGCAACGTTGGCGGAATTCGCCGTGTAGCGGTGAAATGCTTAGATATTGCGAAGAACTCCGATTGCGAAGGCAGCTGACGGGTGCGTAACTGACGCTCATGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU6001;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:"Bacteroidia"(0.0626),o:"Bacteroidales"(0.0413),f:Prolixibacteraceae(0.0099),g:Prolixibacter(0.0046);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGCCGCGTGCGGGAAGGAGGCCCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTTGCGCACGTCCGTTGAGAGTACCAGGGGAATAAGCATGGGCTAACTCCGTGCCAGCAGCCGCGTGAATAAGGGGGTAGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCTGTGCGTCAAGTCCGTGGTGAAATTCAGGGGCACAACTCCGGGGCTGCGCTTGTTACGGTCGCGCTGGAGTGCGGATGCCGCCGGAGGAATTAGTGGTGTAGCGGTGAAATGCTTAGATATCACTCAGAACACCGATTGCGAAGGCATCTTGCGAATCCGTAACTGACGCTGAAGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA

>OTU5999;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Eubacteriaceae(0.1679),g:Eubacterium(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGTTTGGTAAGTCAGGGGTGAAATCCCACAGCCCAACTGTGGAACTGCCTTTGATACTGCCAGGCTTGAGTACCGGAGAGGGTGGCGGAATTCCAGGTGTAGGAGTGAAATCCGTAGATATCTGGAGGAACACCAGTGGCGAAGGCGGCTTGCCGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6003;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9988),c:Fusobacteriia(0.9791),o:"Fusobacteriales"(0.9730),f:"Fusobacteriaceae"(0.6709),g:Fusobacterium(0.0904);

AAGGGAGGAAGAAGGGGGGAAGATGGGAAAAGGGAAAAAAAGGAGGAGGGAGAAAGGAGGTGTGCAAGATGACGGTCTTAGGATTGTAAAGTGCTGTCAATTGGGAAGAAAAAAATGACGGCACCAATAGAAGAAGCGAAGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGTCGCAAGCGTGATCCGGATTTATTGGGCGTAAAGCGCGTCTAGGTGGTTTGGTAAGTCTGATGTGAAAATGCGGGGCTCAACTCCGTATTGCGTTGGAAACTGCCTAACTAGAGTATCGGAGAGGTGGGCGGAACTACAAGTGTAGACGTGAAATTCGTAGATATTTGTAGGAATGCCGATATAGAAGTCAGCTCACTGGACGAATACTGACACTTAAGCGCGAAAGCATGGGGAGCAACCAGGATTAGATACCCTCGTA

>OTU6004;tax=d:Bacteria(0.0024),p:"Bacteroidetes"(0.0000),c:"Bacteroidia"(0.0000),o:"Bacteroidales"(0.0000),f:"Porphyromonadaceae"(0.0000),g:Proteiniphilum(0.0000);

TCTGACTTTTTGTTAACGTATTTCGCCACATAGAAACCAACAGTCATCTAACTGGTCGCTTTAAGCGTCTCACCTTTAGCATCAACAGGCCACAACCAACCAGAACGTGAAAAAGCGTCCTGCGTGTAGCGAACTGCGATGGGCATACTGTAACCATAAGGCCACGTATTTTGCAAGCTATTTAACTGGCGGCGATTGCGTACCCGACGACCAAAATTAGGGTCAACGCTACCTGTAGGAAGTGTCCGCATAAAGTGCACGGCATGGAAATGAAGACGGCCATTAGCTGTACCATACGCAGGCACACAAAAAGACAGATGGCAGTCGGCGTGGGAAGCATTAGCCTTGCGACCCGCGGCAGCAAGAACCATACGACCGATGTCACGAAAATAGGCACGTAAAGCAAGGGGATGAGCATAAAACGCCTCTAATCGGGCGTCAGCC

>OTU6005;tax=d:Bacteria(0.0041),p:"Tenericutes"(0.0000),c:Mollicutes(0.0000),o:Mycoplasmatales(0.0000),f:Mycoplasmataceae(0.0000),g:Mycoplasma(0.0000);

ACGGACGTCAATAGTCACACAGTCCTTGACGGTATACTAACCATCATCCTGTCGACCATCCCAAGGATAAACATCATAGGCAGTCGGGAGGGTCGTCGGAACCGAAGAAGACTCAAAGCGAACCAAACAGGCAAAAAATTTAGGGTCGGCATCAAAAGCAATATCAGCACCAACAGAAACAACCTGATTAGCGGCGTTGACAGATGTATCCATCTGAATGCAATGAAGAAAACCACCATTACCAGCATTAACCGTCAAACGATCAAAATATAACGTGGACGAGGTAGCGTTAGGTGTCTGTAAAACAGGGGCCTAAGAAGCGGGAGTAACAGAAGGGAGAACCAGCTGATCAGAAAAAA

>OTU6006;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Ruminococcaceae(0.0355),g:Clostridium_III(0.0087);

ACGGGAGGCAGCAGTGGGGAATTTTGCGCAATGGAGGCAACTCCGACGCAGCAACGCCGCGTGAAGGACTAAGGCCCTATGGGTCGTAAACTTCTTTAGACGCAGAGCAATAAGGGTCTCGCGAGATCCGATGAGAGTATGCGTAGAATAAGCATCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCTGGTAAGTCCGGAGTGAAAGTCCTGCTTTTAAGGTGGGAATTGCTTTGGATACTGTCGGGCTTGAGTGCAGGAGAGGAAAGCGGAACTACCGGTGTAGCGGTGAAATGCGTAGAGATCGGTAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGAAACTGACGCTGAGGCGTGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6007;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Negativicutes(0.0726),o:Selenomonadales(0.0473),f:Veillonellaceae(0.0113),g:Selenomonas(0.0056);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGGTTTCGGCTCGTAAACCTCTGTCCTATGGGACGAAGGAAGTCACGGTACCATAGGGGGAAGCCCGGGCTATCTACGTGACCGCAGCCGCGGTCATACGTGGGGGGCGCGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCTGGTAAGTCCGGAGTGAAAGTCCTGCGTTTAAGGTGGGAATTGCTTTGGAGACTGCTGGGCTTGAGTGCAGGAGAGGAAAGCGGAATTACCGGTGTAGCGGTGAAATGCGTAGAGATCGGTAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGAAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6008;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Ruminococcaceae(0.1291),g:Ruminococcus(0.0230);

ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGTCTTCGGATTGTAAAGTTCTTTTATTAAGGACGAAGAAGTGACGGTACTTAATGAATAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGCAATACGAAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCTTGTAGCCGGGTCGGCAAGTCAGATGTGAAATCCACGGGCTTAACTCGTGAACTGCATTTGAAACTGTTGATCTTGAGTATCGGAGAGGCAATTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCGGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6009;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Clostridiales_Incertae_Sedis_XII(0.0560),g:Acidaminobacter(0.0134);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGGT
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CCAGCAGCCGCGGTCATACGAAGAGCGCGAGCGATGTCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGTTTGG
TAAGTTGGATGTGAAATACCCGGGCTTAACTTGGGGGCTGCATCCAATACTGGCGGACTTGAGTGCAGGAGAGGAA
AGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTTGCGAAGGCGGCTTTCTGGACT
GTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6012;tax=d:Bacteria(0.0041),p:"Tenericutes"(0.0000),c:Mollicutes(0.0000),o:Mycoplasmatales(0.000
0),f:Mycoplasmataceae(0.0000),g:Mycoplasma(0.0000);
ACGACGTTTGGTCAGTTCCATCAACATCATAGCCAGCTGCCCAGAGATTAGCGCGCCTGCCCCGTAAAGGACGGTTGT
CAGCGTCCTAATAGGTTTTACCTCCAAATGAAGAAATAACATCATGGTAACGCTGCATGAAGTAATCACGTTCTTGGT
CAGTATGCAAATTAGCATAAGCAGCTTGCAGACCCATAATGTCAATAGATGTGGTAGAAGTCGTCATTTGGCGAGAA
AGCTCAGTCTCAGGAGGAAGCGGAGCAGTCCAAATGTTTTTGAGAGGGCAGCAACGGAAACCATAACGAGCAGCAT
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>OTU6010;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Lachn
ospiraceae(0.1485),g:Dorea(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGACACTCTGATGCAGCGACGCCGCGTGAGGGAAGAAGGT
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GCCAGATGTGAAAGCCCGGGGCTCAACCCCGGGACTGCATTTGGAAATGTAATGCTAGAGTGTCGGAGAGGCAAGT
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTAGCGAAGGCGGCTTTCTGGACTGTA
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>OTU6011;tax=d:Bacteria(1.0000),p:Firmicutes(0.2586),c:Clostridia(0.1159),o:Clostridiales(0.0547),f:Eubac
teriaceae(0.0099),g:Alkalibaculum(0.0046);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCCTACCCAGCAATGTCGCGTGAGTGAAGAAGGT
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GTGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATGAGGAGGAACATCAGTGGCGAAGGCGACTTACTGGACGA
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>OTU6013;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Rumin
ococcaceae(0.3544),g:Papillibacter(0.0519);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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GCCAGCAGCCGCGGTAATACGTAGGTTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGAGG
GCAAGTCAGATGTGAAATCCACGGGCTTAACTCGTGAACTGCATTTGAAACTGTTCTTCCTGAGTATCGGAGAGGCA
AGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACG
ACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6014;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Rumin
ococcaceae(0.5991),g:Clostridium_IV(0.3043);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGGGAAGAAGGT
TTTCGGATTGTAAACCTCTGTCCCGGCTGAAGATAATGACGGTAGGCCGGGAGGAAGCTCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGTGCGTAGGCGGCTATGTAA
GTCAGGCGTGAAAACCACAGGCTTAACCTGTGGACTGCGTTTGAAACTGTGCAGCTTGAGTGGAGTAGAGGCAAGC
GGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTCTA
ACTGACGCTGAGGCACGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU6016;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9711),o:"Bacteroidales"(0.8
737),f:Bacteroidaceae(0.4914),g:Bacteroides(0.3043);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAATGATGACTGC
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ATCGGCTAGCTCCGTGCCAGCAGCCGCGGTAATACGGATGATCCGAACGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGATGGATGTTTAAGTGAGTCGTGAAAGATTGGGGCTCAACCGGAAAACTGCAGTTGATACTGGATATCTTGA
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>OTU6015;tax=d:Bacteria(0.9073),p:"Bacteroidetes"(0.1905),c:Sphingobacteriia(0.0425),o:"Sphingobacteri
ales"(0.0291),f:Sphingobacteriaceae(0.0073),g:Olivibacter(0.0039);
ACGGGAGGCAGCAGTAGGGGATATTGGGCAATGGGGGCAACCCTGACCCAGCCATGCCGCGTGAGGGAAGTAGGC
CCTACGGGTCGTGGACCTCTTTTATTCGGGGACAACTGCGCGGTCGGGAACCGTGCTTGAGGGTACCGAAGTAATAA
GCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGG
GTGCGCAGGCGGCCGTGCAAGTCAGCAGTGAAATCCCGGGGCCCAAACCCGGAAGTGCCGTTGATACTGTGTGGCT
GGAATGCGGTCGAGGCGGGCGGAACGTGGCGTGTAGCGGTGAAATGCGTAGATATGCCACAGAACGCCGGTAGCG
GAGGCAGCTCGCCAGGCCTGCATTGACGCTCGGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU6017;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Pepto
streptococcaceae(0.1679),g:Clostridium_XI(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
CTTCGGGTCGTAAAGCTCCGTCCTCAAGGCAGATAATGACGGTACTTGAGGAGGAAGGCTCGGCTAATTACGTGCCA
GCACCCCTGGTTACACGTAGGGGGCCAGCGTTATCCGGAATTACCGGGCGTAAAGTGTGCGTAGGTGGTTTCTTAAG
TCAGAGGTGAAAGGCTACGGCTCAACCGTATTAAGCCATTGAAACTGGGAAACTTGAGTGCAGGGGAGGAGAGTGG
AAGTCCTAGTGTAGCGGTGAAATGCGTAGTTATTAGGAGGAACGCCATTTGCGAAGGCGGCTCTCTGAACTGTAACT
GACACTGAGGCACGAAAGCGTGGGGAGCAGACAGGATTAGATACCCTGGTA

>OTU6019;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9805),o:"Bacteroidales"(0.9775),f:Bacteroidaceae(0.9015),g:Bacteroides(0.8605);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGT
CCTACGGATTGTAAACTTCTTTTATAAGGGAATAAAACCTCCCACGTGTGGGAGCTTGTATGTACCTTATGAATAAGC
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGCAGACGGGTCGTTAAGTGTGCAGTGAAATGTAGGGGCTCAACGTTAACATTGCAGTTGGTACTGGCGTACTTGA
GTGCGCTTGAGGTGGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGG
CAGCACACTAAGCCGTAACTGACGTTCATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU6020;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Peptostreptococcaceae(0.1679),g:Clostridium_XI(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGTCGCGTGAGCGATGAAGGC
CCTCGGGTCGGAAAGCTCTGTCCTTAAGGAAGTTAATGACGGTACTTGTGGAGGAAGCCCCGTCTAACTACGTTCCA
GCAGCCGCGGTAATACGTAGGGGGCTACCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAA
GTCAGAGGTGAAAGGCTACGGCTCAACCGTAGTAAGCCAGTGAAAATGGGAAACTTGAGTGCAGGAGAGGAGAGG
GGAATTCCTAGTGTGGCGGTGAAAAGCGTAGATATTAGGAGGAACCCCAGTTGCGAAGGCGGCTCTCTGGACTGTA
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>OTU6018;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.4045),o:Clostridiales(0.1483),f:Incertae_Sedis_XI(0.0457),g:Dethiosulfatibacter(0.0110);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
TTTCGGATTGTAAACCTCTGTCCTTGGTGACGAAGGAAGTGACGGTAGCCAAGGAGGAAGCCACGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGTGTAGGCGGGGGA
GTAAGTCTGTAGTGAAAGTTCTGCTTTCAAGGTAGGAATTGCTTTTGATACTGGTCGGCTTGAGTCCGGAAGAGGTA
AGTGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATTGGGAGGAACACCAGTGGCGAAGGCGACTTACTGGACC
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>OTU6021;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Peptococcaceae_1(0.0252),g:Peptococcus(0.0076);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTTACCCAGCAATGCCGCGTGAGTGAAGAAGGT
CTTCGGATTGTAAAGCTCTTTGCTCAGGGACGAACACAATGACTGTACCTGAAGAACACGCCCCGGCTCACCACGTGC
CCACAGCCGCGGTAACACGTAGGGGGCAAGCGTTGTCCGGTATGACTGGGCGTAAAGGGTGTGTAGACGGGCTCGC
ACGTTGGATGTGTAATACCCAGAGCTTAACTCGGGTGCTGCATCTGAAACTGCGAGTCTTGAGTGTCGGAGAGGTAA
GTGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACATCAGCGGCGAAGGCGACTTACTGGACGA
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>OTU6022;tax=d:Bacteria(1.0000),p:Firmicutes(0.3448),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Clostridiaceae_4(0.0099),g:Thermotalea(0.0046);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTAACCAGCAATGCCGCGTGTATGAAGAAGGT
TTTCGGATTGTAAAATATTGTCGTTAGGGAAGATACAAGACAGTACCTAAGGAGGAAGCTACGGATAACTACGTGCC
AGAAGCGGCGGTAATACGTAGGGGGCAAGCGTTGTACGGAATGACTGGGCGTAAAGGGGGTGTAGGCGGGCTCGC
AAGTTGGATGTGTAATACCCAGAGCTTAACTCGTGTGCTGCATCTGAAACTACGAGTCTTGAGTGTCTTAGATGTAAG
TGGAATTCCTAGTGTAGCGGTGGAATGCTTAGATATTAGGAGGAACATCAGTTGCGAAGGCGACTTACTGGACGATA
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>OTU6024;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Lachnospiraceae(0.1485),g:Dorea(0.0326);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGAGGCAACTCTGATGCAGCGACGCCGCGTGAAGGATGAATTAT
TTCGGTATGTAAACTTCTATTAGCAGGGAAGAAAATGAAGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCAAG
CAGCCGCGGTAATACGTCGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTTTGCAAG
CCAGATGTGAAAGCCCGGGGCTCAACTGGGGAGCTGCATTCCAAACTGGGTATCTAGAGTGCAGGAGAGGAGAGTG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCGGTTGCGAAGGCGACTCTATGGACCGTAA
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>OTU6023;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Negativicutes(0.1740),o:Selenomonadales(0.0781),f:Veillonellaceae(0.0252),g:Selenomonas(0.0076);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGG
GTTTCGGCTCGTAAACCTCTGTCCTATGGGACGAAGGAAGTGACGGTACCATAGGAGTAAGCCCCGGCTAACTACGT
GCCAGCAGCCGCGGTCATACGTTGGGGGCGAGCGTTGTCCGGAATGATTGGGCGTCAAGGGCGCGTAGGCGGCCT
GGTAAGTCTGGAGTGAAAGTCCTGTTTTTAAGGTGGGAATTGCTTTGGATACTGCTGTGCACGAGTGCAGGAGAGGA
AAGCGGAATTAACGGTGTAGCGGTTAAATGCGTGGAGATCGGTAGGAACACCAGTGGCGAAGGCGGCTTTCTGGAC
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>OTU6026;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9908),o:Lactobacillales(0.9707),f:Lactobacillaceae(0.9294),g:Lactobacillus(0.8124);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAGTCTGGTGGCGCCACGCCGCGTGCGTGAAGAAGGGT
TTCGGCTCGCCAAGCTCTGTTGGTAGTGAAGAAAGATGGAGGTAGTAACTGGCCTTTATTTGACGGTAATTACTTAGA
AAGTCCCGACTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAA
GCGAGTGCAGGCGGTTCAATAAGTCGGATGTGAAAGCCTTCGGCTCAACCGGAGAATTGCATCAGAAACTGTTAAAC
TTGAGTGCAGAAGAGGTGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCG
AAGGCGGCTCTCTGGTCTGCAACTGACACTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU6025;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Pepto
coccaceae_2(0.0560),g:Desulfotomaculum(0.0134);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
TTTCGGATTGTAAACCTCTGTCCTTGGTGACGAAGGAAGTGACGGTAGCCAAGGAGGAAGCCCCGGCCAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGTGTAGGCGGCGTA
TTAAGTGTGGAGTGAAAGTCCCGGTTTCAAGGTGGGAATTGCATTGCATACTGGACGGCTAGAGTGCAGGAGAGGT
GAGTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGAGATTGGGAGGAACACCAGTGGCGAAGGCGACTTACTGGG
CCGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU6027;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6036),c:Flavobacteriia(0.0626),o:"Flavobacteriales"(
0.0413),f:Flavobacteriaceae(0.0099),g:Capnocytophaga(0.0046);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
CCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACCAGGGGAATA
AGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATACGGATTCATTGGGTTTAAAG
GGTGCGTAGGCTGTGCGTCAAGTCAGAGGTGAAATCCAGGGGCTCAACTCCGGAGCTGCCTTTGATACTGGCGCGCT
GGAGTGCAGATGAGGCCGGAGGAATTAGTGGTGTAGCGGTGAAATGCTTAGATATCACTCAGAACACCGATTGCGA
AGGCATCTTGCGAAGCCGTAACTGACGCTGAGGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU6028;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Bacilli(0.4045),o:Lactobacillales(0.1719),f:Lactoba
cillaceae(0.0710),g:Lactobacillus(0.0157);
ACGGGAGGCAGCAGTAGGGAACCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
TTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCA
GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGCGTA
AAGGGAGCGTAGGCGGATTTATAAGTGTGATGTGGAATACCCGAGCTTAACTGGCGTGCTGCATTTCAAACTGGAAG
TCTAGAGTGCAGGAGAGGAGAAGGGAATTCCTAGTGTAGCGATGAAATGCGTAGAGATGAAAGAGAACACCGGTG
GCGAAGGCGCTTCTCTGGACTGTAACTGACACTGAGGCTCAAAAGCGTGGGGAGCAAACAGGATTAGATTCCCTGGT
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>OTU6030;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9740),o:"Bacteroidales"(0.9
172),f:Bacteroidaceae(0.6709),g:Bacteroides(0.5239);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
CCTATGGGTTGTAAACTTCTTTTACAAAGGAATAAAGTCGGGTACGCATACCCTTTTGCATGTACTTTATGAATAAGGA
CCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGTAGATGGATGTTTAAGTGAGTTGTGAAAGTTTGCGGCTCAACAGTAGAAGTGCAGTTGAAACTGGATATCTTGAG
TGAAGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGC
AGCCAGCTAAGCTGCAACTGACACTGAGGCTCGAAGGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU6029;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.2999),f:Rumin
ococcaceae(0.1485),g:Intestinimonas(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAAGGAAGAAGG
CTCTCGGGTTGTAAACCTCCGTCAACAGGGAAGAAGAAAGTGACGGTTCCTGTGGAGGAAGCCACGGCTAACTACGT
GCCAGCAGCCGCGGCAATACGTAGGCGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGTGTAGGCGGGACT
TTAAGTCAGATGTGAAAGTCACAGGCTTAACTGGTGAATTGCAGTTGATACTGAAGTTCTTGAGAGACGGAGAGGTG
AGTGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGTTTACTGGACG
TCAACTGACGCTGAGACACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6031;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Rumin
ococcaceae(0.8505),g:Gemmiger(0.0808);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGAGGAAGAAGG
TTTTCGGCTTGTAAACTCCTGTCGTTAGGGACGATAATGACGGTAACTAACAAGAAAGCATCGGCTAACTACGTGCTA
GCAACCGCGGGAAAACGACGGGCGAAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGATCGGCA
AGTAGGAAGTGAAATCTATGGGCTCAACCCGAGAATTGCATTCGAAACTGCTGACCTTGAGTGGTGCAGAGGAAAG
TGGAATTCCCGGTGTAGCGGTGGAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGACCTACTGGGCACC
AACTGACGCTGAGGCTCGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU6032;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9798),o:"Enterob
acteriales"(0.9172),f:Enterobacteriaceae(0.9015),g:Escherichia/Shigella(0.5239);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
CTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTGCTCATTGACGTTATGAGCAGA
AGAAGAAACGGCTAACTCCGTGACAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAAGCGGAATTACTGGGCGT
AAAGCGAACGCAGGCGGTTTGTTAAGTCAGATGTGCAATCCCCGGGCTCAACCGTGGAACTGCATCTGATACTGGCA
AGCTTGAGTCTCTTAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTG
GCGAAGGCGGCCCCCTGGACGAAGACTGACGCTCAGGTTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTG
GTA
>OTU6033;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Bacilli(0.9769),o:Lactobacillales(0.9063),f:Lactoba
cillaceae(0.7787),g:Lactobacillus(0.6200);

ACGGGAGGCAGAAGTAGGGAATCTTCGACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGGAGGG
TTTCGGCTCGTAAAGCTCTTTTGGTAGTGAAGAAAGATAGAGGTAGTAATTGGCCTTTATTTGACGGTAATTACTTAG
CAAGTCACGGCTTACTACGTGCCAGCAGCCGCGGTAACACGTATGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAA
AGCGAGTGCAGGCGGTTCGATAAGTCTGATGTGAAAGCCAGCGGATCAACCGGAGAATTGCATCAGAAACTGTTGA
TCTTGAGTGCAGAAGAGGAGGGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGG
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A

>OTU6034;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Lachn
ospiraceae(0.1291),g:Blautia(0.0230);

ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAATCCTGACGCAGCAACGCCGCGTGAACGATGAAGGT
CTTCGGACTGTAAAGTTCTTTTATTAAGGACGAAGAAGTGACGGTACTTAATGAATAAGCTCCGGCTAACTACGTGCC
AGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGTATCA
AGTCTGATGTGAAAGGCAGGGGCTCAACTCCTGGACTGCATTGGAAACTGGTATGCTTGAGTGCCGGAGGGGTAAG
CGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGAT
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>OTU6036;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9987),c:Gammaproteobacteria(0.9726),o:"Enterob
acteriales"(0.7995),f:Enterobacteriaceae(0.5991),g:Escherichia/Shigella(0.2171);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
CTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGCGTAAAGTTAATACCATTGCACATTGACGTTACGCGCAGA
CGAACCACCGACTAACTCCGTGCCAGCAGCCGCGGTAACAAGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGT
AAAGGGCACGCAGGCGGTTGGTTAAGTCAGATGTGAAAGCCCCGGGCTCAACCTGGGAACTGCATCTGAAACTGGC
AAGCTTGAGTCTCGGAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAACACCGG
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GGTA

>OTU6037;tax=d:Bacteria(0.6810),p:"Bacteroidetes"(0.0716),c:Sphingobacteriia(0.0132),o:"Sphingobacteri
ales"(0.0109),f:Chitinophagaceae(0.0033),g:Chitinophaga(0.0028);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGAAGTCTGAACCAGCCATGCCGCGTGAAGGAATAAGGC
CCTATGGGTCGTAAACTTCTTTTGTGGTGGAGCAATAAGATCTACGCGTAGGTCGATGAGAGTACATCACGAATAAG
CATCGGCTAACTCCGGGCAAGCAGCCGCGGTAATAAGGAGGGTGCAAGCGTTAATCGGAATGATTGGGCGTAAAGG
GTATGTAGGCGGTTCTGCAAGTCTGCTGTGAAAGGCCGGGGCTCAACCCTGGAACTGCGTTGGAAACTGCAGGACTT
TAATCGCTGAGTGGCAGCCAGAATTGCAGGTGTAGGGGTGAAATCTGTAGATATCTGGAAGAATACCAATGTCGAA
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>OTU6035;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8048),o:Clostridiales(0.4280),f:Lachnospiraceae(0.1872),g:Anaerostipes(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATCTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGCGTGTAGGCGGAGGAGCAAGTCAGATGTGAAATCCCGGGGCTTAACCCCGGAACTGCATTTGAAACTGTTCCCCTTGAGTATCGGAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGGCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6038;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9736),c:Deltaproteobacteria(0.9038),o:Desulfovibrionales(0.7995),f:Desulfovibrionaceae(0.5273),g:Desulfovibrio(0.3479);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATCACTGGGCGTAAAGCGCACGTAGGCTGTTATGCAAGTCAGGGGTGAAATCCCACGGCTCAACCGTGGAACTGCCCTTGATACTGCATGACTTGAATCCGGGAGAGGGTGGCGGAATTCCAGGTGTAGGAGTGAAATCCGTAGATATCTGGAGGAACATCAGTGGCGAAGGCGGCCACCTGGACCGGTATTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6040;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8520),f:"Prevotellaceae"(0.5273),g:Prevotella(0.0808);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTGCACCACGTGTGGTATATTGCAGGTACCGTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCAGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGGAGGGTAAGTCAGTGTTGAAATGCAGCTGCTCAACCTCTGCACTGCAGCGCGAACTGTTGTCCTTGAGTGCGCAGGAAGTAGGCGGAATGCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGCCAGCTTACTGTAGCGCTACTGACGCTGATGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU6039;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Clostridiaceae_1(0.1485),g:Clostridium_sensu_stricto(0.0204);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGTCAAGTCAGTTGTGAAATCCGCGGGCTCAACCTGCGGCCTGCAGTTGAAACTGGCGGTCTTGAGTCCGTTCAGGGATGCTGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTGACGGTAGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU6041;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.8628),c:Spirochaetia(0.6730),o:Spirochaetales(0.3959),f:Spirochaetaceae(0.2184),g:Treponema(0.0204);

ACGGAAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGAGGCCGCGTGGACGATGAAGGCCGGAAGGTTGTAAAATCCTTTTATGACTGAGGAATAAGTGAAGTGAGGGAAACGCTTCATGGTGACTGTAGGTCATGAATAAGCAACGGCTAATTACGTGCCAGCAGCCGCGGTAACACGTAAGTTGCGAGCGTTGTTCGGAATTATTGGGCGTAAAGGGTATGTAGGCGGTTCTGCAAGTATGGTGTGAAATGCCGGGGCTCAACCCCGGAACTGCGTTGGAAACTGCAGGACTTGACTCGCTGCGGGGCAGCCAGAATTCCCGGTGTAGGGGTGCAATCTGTCGATATCTGGAAGAATACCAATGGCGAAGGCAGGCTGCCAGCAGATGATTGACGCTGCGGGACGCCGGTGCGGTGAGCAAACAGGATTAGATACCCTGGTA

>OTU6042;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.4311),c:"Bacteroidia"(0.0626),o:"Bacteroidales"(0.0413),f:Bacteroidaceae(0.0099),g:Bacteroides(0.0046);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGAATAAGGCCCTATGGGTCGTAAACTTCTTTTGAGTGGGAGCAATAAGGTTCACGTGTGGACCGATGAGAGTACCATTCGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCTGTTGGTCAAGTCAGAGGTGAAATCCCGGGGCTCAACCCCGGAACTGCGTTGGAAACTGCAGGACTTGAATCGCTGAGGGGCAGCCAGAATTCCAGGTGTAGGGGTGAAATCTGTAGATATCTGGAAGAATACCAATGGCGAAGGCAGCTTGCTGGGGACTTATCGACGCTCATGCTCGAAAGTGCGGGTAGTAAACAGGATTAGATACCCTGGTA

>OTU6043;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Eubacteriaceae(0.1679),g:Eubacterium(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGTTTTCGGATTGTAAACCTCTGTCATTAGTGACGAAGAAGTGACGGTAGCTAATGATGAAGCCCCTGCTAACTACGTGCCAGCAGCCGCTTTAATACGTAGGTGGCGAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGATAGCAAGTCAGCGGTGAAATGCATGGGCTGAAACCATGAGCTGCCGTTGAAACTGTGAGTCTTGAGTGGAGTAGAGGCAGGCGGAATTCCGAGTGTAGAGGTGAAAGGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTATAACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6044;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Lachnospiraceae(0.2864),g:Clostridium_XlVa(0.0808);

ACGGGAGGCAGCAGTGGGGAATATTGGCCAATGGGGGCAACCCTGAACCAGCCACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCAAGCAGCCGCGGTACTACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGTGTAGACGGTATTGCAAGTCTGAAGTGAAAGCCCGCAGCTCAACTGCGGGACTGCTTTGGAAACTGTGGGACTAGAGTGCAGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTAGCGAAGGCGGCTTTCTTGTCTGTCACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6045;tax=d:Bacteria(1.0000),p:Firmicutes(0.3448),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Rumin
ococcaceae(0.0252),g:Clostridium_IV(0.0056);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAGGGAAGACTGC
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GTGTAGGCGGGATGGCAAGTCAGATGTGAAAACTATGGGCTCAACTCATAGCCTGCATTTGAAACTGTCGTTCTTGA
GTGTCGGAGAGGTAGATGGAATTCCGTGTGTAGCGGTGAAATACGTAGATATACGGAGGAACACCAGTGGCGAAG
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>OTU6046;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9507),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4
652),f:Bacteroidaceae(0.1485),g:Bacteroides(0.0326);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTCGCGTGAAGGAAGACGGC
CCTATGGGTTGTAAACTTCTTTAGGGTGGGAACAAAGGACGCCACGTGTGGCGAGATGAGTGTACCACCAGAATAA
GCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGG
GAGCGTAGGCCGCTGTTTAAGCGTGTTGTGAAAAACCGGGGCTCAACTCCGGTCGTGCAGCGCGAACTGGACGGCT
TGAGTGCGCGGTAAGTGAGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACCCCGATTGCGA
AGGCAGCCTGCCAATCCGTTACTGACGTTCATGCTCGAAGGTGCGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU6049;tax=d:Archaea(0.0041),p:"Euryarchaeota"(0.0000),c:Halobacteria(0.0000),o:Haloferacales(0.00
00),f:Haloferacaceae(0.0000),g:Halohasta(0.0000);
TTCTCCTCCTCTCTCCTCTCCTTCCTCTTTCTTTCCTCCGCCCGCTTGCGGCAAAACTGCGTAACCGTCTTCTCGTTCTCTA
AAAACCATTTTTCGTCCCCTTCGGGGCGGTGGTCTATAGTGTTATTAATATCAAGTTGGGGGAGCACATTGTAGCATT
GTGCCAATTCATCCATTAACTTCTCAGTAACAGATACAAACTCATCACGAACGTCAGAAGCAGCCTTATGGCCGTCAA
CATACATATCACCATTATCGAACTCAACGCCCTGCATACGAAAAGACAGAATCTCTTCCAAGAGCTTGATGCGGTTATC
CATCTGCTGATGGAAGCCAAGCATTGGGGATTGAGAAAGAGTAGAAATGCCACAAGCCTCAATAGCAGGTTTAAGA
GCCTCGATACGCTC
>OTU6048;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Lachn
ospiraceae(0.1291),g:Marvinbryantia(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGAGGAAGAAGGT
CTTCGGATTGTAAACTCCTGTTGTTGAGGAAGATAATGACGGTACTCAACAAGGAAGTGACGGCTAACTACGTGCCA
GCAGCCGCGGTAAAACGTAGGTCACAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGACTGGCAA
GTCTGGTGTGAAAGGCTGGGGCTCAACCCCGGGACTGCATTGGAAACTGTCAATCTAGAGTACCGGAGGGGTAAGT
GGAATTCCTGGTGTAGTAGTGAAATGCGTAGATATCAGGAAGAACACCGGAGGCGAAGGCGGCTTACTGGACGATA
ACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6047;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Peptococcaceae_2(0.0252),g:Sporotomaculum(0.0076);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTTTTCGGATTGTAAACTTCTGTCCTCAGTGACGAAGGAAGTGACGGTAACTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCTGCCGCCGTAATACGTAGGGGGCAAGCGTTGTCAGGAATGACTGGGCGTAAAGGGCGTGTAGGCGGCCGATTAAGTCTGAAGTGAAAGTCCTGCGTGCAAGGTGGGAAGTGCGTTGGAGACTGGTTGGCTTGAGTGCGGAAGAGGTAAGTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCTGTGGCGAAGGCGACTGACTGGGCTGTAACTGACGCTGAGGCGCGAAGGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU6052;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9835),c:Fusobacteriia(0.9719),o:"Fusobacteriales"(0.8846),f:"Leptotrichiaceae"(0.5273),g:Leptotrichia(0.1299);

ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGGGAGACCCTGATCCAGCAATTCTGTGTGCACGAAGACGGTTTTCGGATTGTAAAGTGCTTTCAGTTGGGAAGAAAGAATGACGGTACCAACAGAAGAAGCGACGGCTAAATACGTGCCAGTAGCCGCGGTAATACGTATGTCGCGAGCGTTATCCGGAATTATTGGGCATAAAGGGCATCTAGGCGGCAAATTAAGTCAGGGGTGAAAACTTAGGGCTCAACCTTGAGCTTGCCTTTGAAACTAATTTGCTAGAGTGTTGGAGAAGTGGGAGGAACTACACGAGTAGAGGTGAAATTCGTAGATATGTGTAGGAATGCCGATGATGAAGATATCTCACTGGACGACAACTGACGCTGAAGTGCGAAAGCTAGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6051;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Lachnospiraceae(0.4914),g:Anaerostipes(0.2171);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGCGTGAAGAAGTATCTCGGTATGTTAAGCTCTATCAGTAGGGAAGAAAATGATGGTACCTGACTAAGAAGCCACGGCTAACTACGTGAAAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGCGTAGGTGGTATGGCAAGTCAGAAGTGAAATGCCGGGGCTTAACGGCTGGACTGCGTTGGAAACTGTCAGACTGGAGTGCAGTAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACATCAGTGGCGAAGGCGGCTTACAGGACTGAAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6050;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Ruminococcaceae(0.2864),g:Subdoligranulum(0.0423);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCGCAGAAGACGAAGGAAGTGACGGTATTCCGTGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGACCGGCAAGTTGGAAGTGAAATCTATGGGCTCAACCCATAAATTGCTTTCAAAACTGCTGGCCTTGAGTAGTGCAGAGGTAGGTGGAATTCCCGGTGTAGCGGTGGAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCCGTAACTGACGCTGAGGCGCGAAAGCGCGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU6053;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Ruminococcaceae(0.0252),g:Clostridium_III(0.0076);
ACTTTCGGCCTCAGTTTGGAATCTTTTGCTCTGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGACTCCGGGTTGTAAACTTCTTTTACAAGGGACGAAGGACGTGATGGTACCTGGAGAAAAAGCAACGGCTAACTACGTGCCAGCAGCCGCGGTAATAAGTAGGGGGCGAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCTGATAAGTCTGGAGTGAAAGTCCTGCTTTCAAGGTGGGAATTGCTTTGGGTACTGTTGGGCTGGAGTGCAGGAGAGGAAAGCGGAATTACCGGTGTAGCGGTGAAATGCGTAGAGATCGGTAGGAACACCAGTGGCGAAGGCGTCTTCCTGGTCTGTAACTGACACTGAGTCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6054;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Ruminococcaceae(0.2524),g:Gemmiger(0.0326);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAACCCTGATGCAGCGACGCCGCGTGGAGGAAGAAGGTTTTCGGATTGTAAACTCCTGTCGTTAGGGACGATAATGACGGTACCTAACAAGAAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAAAACGTAGGGTGCAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGTGTAGGCGGCAGTATAAGTCCGGAGTGAAAGTCCTGGTTTCAAGGTGGGAATTGCTTTGGAGACTGTACAGCTTGAGTGCGGAAGAGGTAAGTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGAGATTGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTAACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU6056;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Erysipelotrichia(0.9180),o:Erysipelotrichales(0.8303),f:Erysipelotrichaceae(0.6350),g:Turicibacter(0.4787);
ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGAATGATGAAGGCCTTCGGGGTGTAAAATTCTGTTATAAGGGAAGAACGACTGTAGTAGGAATTGGCTAGAGTGTGACGGTACCTAATGAGAACGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGAATTATTGGGCGTAAAGAGCGCGCAGGTGGTTGATTAAGTCTGATGTGAAAGCCTAAGGCTTAACCTTGGAACGTCATTGGAAACTGGTAGTCTTGAGTGCAGAAGATGGAAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTAGACTGAAACTGACGCTTAGGCGCGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA
>OTU6055;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.4652),f:Ruminococcaceae(0.1679),g:Clostridium_III(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGAACCAGCAACGCCGCGTGCAGGAAGAAGGCCTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGGACGTGACGGTACCTGGAGATAAAGCAACGGCTAACTACGTGCCAGCAGCCGCGGTAATCCGTAGGTTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGTCTGCAAGCCAGATGTGAAATCCATGGGCTCAACCCAGGAACTGCAGTTGAAACTGTAGATCTTGAGTGTCGGAGGCGCAAGCGGAATTTCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6057;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Ruminococcaceae(0.3884),g:Ruminococcus(0.0808);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGTCTTCGGATTGTAAAGCTCTTTCATTAAGGACGAAGAAGTGACGGTACTTAATGAATAAGCCCCGGCTCACTACGTGCCAGCACCCGCGGTAATACGTAGGGAGCACGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGAAGAGCAAGTGAGATGTGAAATCCGTGGGCTTAACCCGCGAACTGCATTTGAAACTGTTTGGCTTGAGTGAAGTAGAGGAGGGCGGAATTCCCTGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6058;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.9389),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);
ACGGAAGGCAGCAGTGAGTAATATTGGTCAATGGGCGAGACCCTGAACCAGCCACGTCGCGTGAAGGAAGACTGCCCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAATCGGGTATGCATACCCGTTTGCACGTACTTTATGAATAAGGCTCGGCTAACGCCGATCCAGCAGCCGCGGTCATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGATGTTTAAGTCAGTTGTGAAAGCTTGCGGCTTAACCGTAAAATTGCAGTTGATACTGGATATCTTGAGTGCAGGAGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTAGGCTGCAACTGACATTGAGGCACGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU6059;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9704),c:Epsilonproteobacteria(0.9321),o:Campylobacterales(0.7995),f:Campylobacteraceae(0.5991),g:Campylobacter(0.4351);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGGGAAACCCTGACGCAGCAACGCCGCGTGGAGGATGACAGTTTTCGGAGTGTGAACTTCTTTTCTTAGGGAAGAATTCTGACGGTACCTAAGGAATAAGCACCGGCTAACTCCATGCCAGCAGCCGCGGTAATACGGAGGGTCCAAGCGTTACCCGGAATCACTGGGCTTAAAGGGCGCGTAGGCGGACTATCAAGTCTCTTGTGAAATCTGGTGGCTTAACCATTAAACTGCATTGGAAACTGATAGTCTTGAGTGAGGGAGAGGCAGATGGAATTGGTGGTGTAGCGGTGAAATGCTTAGATATCACCAAGAACACCCATTGCGAAGGCAGTCTACTGGACCTCAACTGACGCTAAGGCTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU6063;tax=d:Bacteria(0.0014),p:Firmicutes(0.0000),c:Bacilli(0.0000),o:Lactobacillales(0.0000),f:Lactobacillaceae(0.0000),g:Lactobacillus(0.0000);
CACACACATCACGAACGTCAGAAGCCGCCTTATGGCCGTCAACATACCTATCACCATTCTCTAACTCAACGCCCTGCCTACGAACATACAGAATCTCTTCCAAGAGCTTGATGCGGTTATCCATCTGCTTATGGAAGCCAAGCATTGGGGATTGAGAAAGAGTAGAAATGCCACAAGCCTCAATAGCAGGTTTAAGAGCCTCGATACGCTCAAAGTCAAAATAATCAGCGTGACATTCAGAAGGGTAATAAGAACGAACCATAAAAAAGCCTCCAAGATTGGGAGGCATGAAAACATACAATTGGGAGGGTGTCAATCCTGACGGTGATTTCCTAGACAAATTAGAGACAACACCATCAGCTTTACCGTCTTTCCAGAAAGTGGTCCAAGTATCGGCAACAGCTGTAGCAATACCATGAAAAATAGCAAACACACCAGAAGCAGCATCAGTGACG

>OTU6060;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Ruminococcaceae(0.1679),g:Clostridium_III(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGAAAGTGACGTTACCTGGAGAAAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGCGTAAAGGGTGCGTAGGCGGTTTGGTAAGTTGGATGTGAAATACCCGGGCTTAACTTGGGGGCTGCATCCAATACTGTCGGACTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTTACTGACGCTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6061;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Eubacteriaceae(0.0457),g:Eubacterium(0.0110);
ACGGAAGGCAGCAGTAGGGAATATTGCACAATGGGCGAAACCCTGACCCAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATTGTAAACCACTGTCGCAGAAGACGAAGGAAGTGACGGTATTCTGTGAGGAAGACCCGGCTAACTCCGTGCCAGCAGCCGCGGTAATCGGTAGGGGGAGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGAGCGCAGGCGGCTGTGTAAGTCGGATGTGAAACCCCGGGGCTCAACCCCGGGACTGCATTGGAAACTAGTCGGCTAGAGTGTCGGAGGGGGAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATGACTGGCGTTGATGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6062;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9987),c:Gammaproteobacteria(0.9755),o:Aeromonadales(0.8737),f:Succinivibrionaceae(0.7787),g:Succinivibrio(0.5720);
ACGGGAGGCAGCAGTAGGAAATACTGCACAATGGAGGAAACTCTGATGCAGCCATGCCGCATGTGTGAAGAAGGCCTTTGGGTTGTAAAGCACTTTCGGAGGGGAGGAAGTAAATGACGCTACCCTCAGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATAACTGGGCGTAAAGGGCATGCAGGCGGTTCATCAAGTAGTATGTGAAATCCCCGGGCTCAACCTGGGAACAGCATACTAAACTGGTGGACTAGAGTATGACAGGGGGAGACGGAATTCCAGGTGTAGCGGTGGAATGCGTAAATATCTGGAAGAACACCAAAGGCGAAGGCGGTCACCTGGGCAAATACTGACGCTCATATGCGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU6065;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Ruminococcaceae(0.6350),g:Subdoligranulum(0.0808);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGGAGGAAGAAGGCTTTCGGATTGTAAACTTCTGTCGGTAGGGAGGAAAATGACGGTGCCTGACAAGAAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGACCGGCAAGTTGGAAGTGAAATCTATGGGCTCAACCGATAAATTGCTTTGAAAACTGCTGGGCTTGAGTAGTGCAGAGGTAGGTGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCGGTGGCGAAGGCGGCCTACTGGGCACCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU6064;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Peptococcaceae_2(0.0355),g:Desulfotomaculum(0.0087);

ACGGGTGGCAGCAGTGTGGAATCTTTTGCCCTGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGGTTTCGGCTCGTAAACCTCTGTCCTATGGGACGAAGGAAGTGACGGTACCATAGGAGGAAGCCCCGGCTAGCTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCTGGTAAGTCTGGAGTGAAAGTCCTGCTTTTAAGGTGGGAATTGCTTTGGATACTGCTGGGCTTGAGTGCAGGAGAGGAAAGCGGAATTACCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGTACTGAAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6066;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9572),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4652),f:Bacteroidaceae(0.1872),g:Bacteroides(0.0519);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCCCTACGGATTGTAAACTTCTTTTATAAGGGAATAAACCCTCCCACGTGTGGGAGCTTGTATGTACCTTATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGATGTGCAAGTCAGCTGTGAAAGCCCGCCGCTCAACCCGGGAGTTGCCGTTGATACTGTACGTCTGGAATGCTCTAGAGGTGGGAGTAATGAGTAGTGTAGCGTTGAAATGCATAGATATTACTCAGAACACCGATTGCGAAGGCAGCTCACGAAGGGGCGATTGACGCTGAGGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU6067;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Lachnospiraceae(0.4914),g:Dorea(0.3043);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCCACGCCGCGTGAAGGATGAAGGAGTTCGGTATGTAAACCTTTATTAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGTCGGATTAGCAAGCCAGATGTGAAATCCCGGGGCTCAACCCCGGGATTGCATTTGGAACTGTAAAGCTAGAGTGTCAGAGAGGCAAGTGGAATTCCTAGTGTAGAGGGGAAATGCGTAGATATTAGGATGAACACCAGTGGCGAAGGCGGCTTGCTGGACGATAACTGACGTTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6070;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9572),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.5766),f:Bacteroidaceae(0.2524),g:Bacteroides(0.0712);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGCCCTATGGGTCGTAAACTTCTTTAGACGCAGAGCAATAAGGGTCTCGAGAGATCCGATGAGAGTATGCGTAGAATACGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGATGTTTAAGTTAATTGTGAAAGTTTGAGGCTCAACCGTAAAATTGCATTTGATACTGGAAATCTTGAGAGCAGATGAGGAAGGCGGAATTCGTGGTGTAGCGGTGAAATGCGTAAATATCACGAAGAACTCCGATTGCGAAGGCAGTCAGCTAAGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU6068;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9989),c:Actinobacteria(0.9798),o:Actinomycetales(0.9685),f:Corynebacteriaceae(0.7787),g:Corynebacterium(0.5720);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCGACGCCGCGTGGGGGATGACGGCCTTCGGGTTGTAAACTCCTTTCGCTTATGACGAAGCGCCTGTGGGTGTGACGGTAGTAGGAGAAGAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGAGCTCGTAGGTGGTTTGTTGCGTCGTCTGTGAAATTCCGGGGCTTAACTTCGGGGTGGCAGGCGATACGGGCATAACTGGAGTGCTGTAGGGGTAACTGGAATTCCTGGTGTAGCGGTGGAATGCGCAGATATCAGGAGGAACACCGATGGCGAAGGCAGGTTACTGGGCAGTTACTGACGCTGAGGAGCGAAAGCATGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU6069;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Ruminococcaceae(0.1291),g:Clostridium_IV(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCCTTTACCAGGGACGAAGAAAGTGACGGTACCTGGAGAAAAAGCCACGGCGAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAGAGGCAAGTCTGATGTGAAAACCCGGGGCTCAACCCCGGGAGTGCATTGGATACTGGTCGGCTTGAGTGCAGAAGAGGGAAGTGGAATTCCGTGTGTAGCGGTGAAACGCGTAAAGATATGGAGGAACACCAGTGGCGAAGGCGGCTTCCTGGTCTGTAACTGACCCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6071;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9798),o:Clostridiales(0.9753),f:Ruminococcaceae(0.9573),g:Gemmiger(0.2607);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGAGGAAGAAGGTTTTCGGATTGTAAACTCCTGTCGTTAGGGACGATAATGACGGTACCTAACAAGAAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAAATCGTAGGGTGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGACCGGCAAGTTGGAAGTGAAATCTATGGGCTCAACCCATGAACTGCTTGCAAAACTGCTGGGCTAGAGTAGGAAAGAGGTAGGTGGAAGTCCCGGTGTAGAGGTGGAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGACCTACTGGGCAACAACTGACGCTGAGGCTCGAAGGCATGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU6072;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8520),f:Bacteroidaceae(0.4224),g:Bacteroides(0.2171);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGAGGACTGCCCTATGGGTTGTAAACTGCTTTTATAAAGGAATAAAGTCGCGTATGCATACGCTTTTGCATGTACTGTATGAATAAGGACCGGCTAACCCCGTGCCAGCAGCCGCGGTAATACGGAAGATCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGATGTTTAAGTCAGTCGTGAAAGTTCGCGGCTCAACCGTAAAATTGCAGCTGATACTGGATATCTTGAGTGAAGGTGAGGCAGGTGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCCAAGCCTCAACTGACATTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU6073;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8472),o:"Bacteroidales"(0.6509),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0615);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGAATAATGTCAGACACGCGTGTCTGCTTGCATGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCATCCGCCGCGGTACTACGGTAGGTTCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGCTGTTCAAGCGTGTCGTGAAAGGCGGTGGCTCAACGAGCGCACTGCGGTGGAAACTGTCCGGCTTGAGTCAAGTAGAAGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCGTAGATATCACGAGGAACTCCGATTGCGAAGGCAGCTTACTGGAGTGGTACTGACGCTGAAGCTCGAAGGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU6074;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Lachnospiraceae(0.2864),g:Blautia(0.0808);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCGACGCCGCGTGAAGGAAGACGTATTTCGGTATGTAAACTTCTATCAGCGGGGAAGAAGATGACGGTACCCGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTGAGGCAAGTCCGATGTGAAAACCCGGGGCTCAACCCCGGGATTGCATTGGAAACTGTTTGACTCGAGTACTGGAGGGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTACTGGACAGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6075;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9990),c:Deltaproteobacteria(0.9812),o:Desulfovibrionales(0.9775),f:Desulfovibrionaceae(0.9573),g:Bilophila(0.8605);
CCTTTCTTCATCATTGTTTCCTCTTTCTCCCTTTTCTCCCGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGTTTTCGGATCGTAAACCTCGGTCAGGGGGGAAGAAACCCCCTCGTGTGAATAATGCGAGGGCTTGACGGTACCCCCAAAGGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATCACTGGGCGTAAAGCGCACGTAGGCGGCTTGGTAAGGCAGGGGTGAAATCCCACAGCCCAACTGTGGAACTGCCTTTGATACTGCCAGGCTTGAGTACCGGAGAGGGTGGCGGAAGTCCAGGTGTAGGAGTGAAATCCGTAGATATCTGGAGGAACACCGGTGGCGAAGGCGGCCACCTGGACGGTAACTGACGCTGAGGGGCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU6076;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Ruminococcaceae(0.4224),g:Pseudoflavonifractor(0.0423);
ACGGGAGGAAGAAGGGGGTCCTCTTGGGCAATTGGCGCACTCCTTACCCCTCAACGCCTCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTCTTAGGGACGAAGCAAGTGACGGTACCTAAGGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGATTGCAAGTCAGATGTGAAAACCACGGGCTCAACCTGTGGCCTGCATTTGAAACTGTAGTTCCTGAGTACTGGAGAGGCAGACGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGTCTGCTGGACAGCAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6077;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Lachnospiraceae(0.2864),g:Blautia(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTGTTCTTAGGGACGAAGCAAGTGACGGTACCTAAGGCATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATGCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAGCAACAAGTCTGATGTGAAAGGCAGGGGCTCAACCCCTGGACTGCATTGGAAACTGTTGATCTTGAGGACCGGAGGGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGTACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6078;tax=d:Bacteria(0.8319),p:"Bacteroidetes"(0.1905),c:"Bacteroidia"(0.0425),o:"Bacteroidales"(0.0291),f:Prolixibacteraceae(0.0073),g:Prolixibacter(0.0039);
CCTTCAGGCAGCAGTTCTTCCTCTTTTTCCCTTTTCTTCCTCCTTAACCCTCCATGCCTCGTGCGGGAAGGAGGCCCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCTGATGAGAGTACCAGGCGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCTGTGCGTCAAGTCGGGGGTGAAATTCCGGTGCGCAACACCGGTGCTGCTCTTGATACTGTCGCGCTGGAGTGCGGATGCGGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACTCAGAACACCGATTGCTAAGGCATCTGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA
>OTU6079;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9507),c:Spirochaetia(0.8472),o:Spirochaetales(0.6509),f:Spirochaetaceae(0.4563),g:Treponema(0.0904);
ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGAACGAAGAAGGCCGGCAGGTTGTAAAGTTCTTTTGAAGCTGAAGAATAAGTATTGCAGGGAATGGCGATATGGTGACGGTAGGGTTTGAATAAGCAACGGCTAATTACGTGCCAGCAGCCGCGGTGACACGTAAGGTGCGAGCGGTGTTCGGAATTATTGGGAGTAAAGGGCATGTAGGCGGTTTTGCAAGCTTGGTGGGAAATGCATAGGCCTAACCTATGGAATGCATTGAGAACTACAAGACTTGAGTTACTGAGGTGGAACTGGAATTCCAGGTGTAGGGGTGAAATCTGCAGATATCTGGAAGAACACCAATGGCGAAGGCAAGTTTCAAGAAGATAACTGACGCTGAGGCGCGAAGGTGCGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6080;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:"Bacteroidia"(0.0726),o:"Bacteroidales"(0.0473),f:"Porphyromonadaceae"(0.0113),g:Barnesiella(0.0056);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGACTGAACCAGCCATGCCGCGTGAAGGAAGACGGCCCTATGGGTCTTAAACGGCTTTTTTCCGGGAATAATAAGAGCCTCGCGTGGCTTGATGCAGGTACCGGAAGAACAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTTAGATAAGTGTGAGGTTAAATGCTTCGGCTCAACAGGAGTTTGCCTTGAAAACTGTCTGACTAGGATGTAAACGGCGCAGGCGGAATGAATCATGTAGCGGTGACATGCATAGATATGATTCAGAACACCGATCGCGAAGGCAGCTTGCGAGGATACGATTGACGCTGAAGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU6082;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.9038),o:Clostridiales(0.7623),f:Rumin
ococcaceae(0.3544),g:Clostridium_IV(0.0326);
ACTTTATTCAGCAGTGGTTAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTT
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TTCCGTGTGTAGCGGTGAAATGCGTAGATATACGGAGGAACACCAGTGGCGAAGGCAGCCTGCTAGACAATAACTG
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>OTU6081;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.4311),c:"Bacteroidia"(0.2321),o:"Bacteroidales"(0.1
015),f:"Porphyromonadaceae"(0.0355),g:Butyricimonas(0.0087);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGA
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GTGCTGGAGAGGTAGACGGAATTCCTTGTGTAGCGGTGAAATGCGTAGATATAAGGAAGAACACCAGTGGCGAAG
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>OTU6083;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Rumin
ococcaceae(0.1291),g:Ruminococcus(0.0134);
ACGGGAGGCAGCAGTGGGAGATATTGCGCAATGGGGGCAACCCTGACGCAGCAAAGCCGCGTGAACGATGGAGGT
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>OTU6084;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9908),o:Lactobacillales(0.9606),f:Lactoba
cillaceae(0.9015),g:Lactobacillus(0.5720);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGCAGCAATACCGCGTGAGTGAAGAAGGG
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GTA

>OTU6085;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Bacilli(0.7497),o:Lactobacillales(0.3639),f:Lactobacillaceae(0.1291),g:Lactobacillus(0.0230);
ACGGGAGGCAGCAGTAGGGAATCTTCCTCAATGGACGCAAGTCTGATGGAGCAACGCAGCGTGAGTGAAGACGGTCTTAGAATTGTAAAACTCCGTTGTTAGAGAAGAACACGAGTGAGAGCAACTGTTCATTCGATGACGGTATCTAGCAAGCAAGTCACGGTTAACTACGTGACAGCAGCCGCGGTAAAACGTAGGTGGCAAGCGCTGTCCGGATTTATTGGGCGTAAAGGGAACGCAGGCGGTCGTTTAAGCCTGATGTGAAATCCATCGGCTTAACCGGGGAAGTGCATTGAAAACTGGGTGCCTTGAGTGCAGAAGAGGTGTGTGGAACTCCTTGTGTAGCGGTGAAATGCTTAGATATATGGAAGAACACCGATGGCGAAGGCAGCTCTCTAGTCTGTTACTGACGCTGAAGTTCGAAGGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU6086;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9908),o:Lactobacillales(0.9685),f:Lactobacillaceae(0.9201),g:Lactobacillus(0.7643);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGACGAAGGATGGAGGTAGTAACTGGCCTTTATTTGACGTTACTCAGCCAGAACGTCCCGGCTAACTACGTGCCAGCAGCCGCGGTCCTACGTAGCTGGCAATCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCAGAAAAATAAGTCTAATGTGAAAGCCCTCGGCTTAACCGAGGAACTGCATCGGAAACTGTTTTTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTTGCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU6087;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9966),c:Epsilonproteobacteria(0.9747),o:Campylobacterales(0.8629),f:Campylobacteraceae(0.6709),g:Campylobacter(0.5239);
ACGGAAGGCAGCAGTAGGGAATATTGCTCAATGGGCGAAAGCCTGAAGCAGCAACGCCGCGTGGAGGATGACACTTTTCGGAGCGTAAACTCCTTTTCTACAAGAAGAACAATGACGGTATTGAAGGAATAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTACCCGGAATCACTGGGCGTAAAGGACGCGTAGGCGGATTATCAAGTCAGTTGTGAAATCTAATGGCTTAACCCTTAAGCTGCTTGGGAAACTGATAATCTGGAGTGAAGGAGAGGCAGATGGAATTGGTGGTGTAGGGGTAAAATCCGTAGAGATCACCAGGAATACCCATTGCGAAGGCGGTCTGCTAGAACTCAACTGACGCTAATGCATGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6090;tax=d:Bacteria(0.0024),p:"Proteobacteria"(0.0000),c:Betaproteobacteria(0.0000),o:Ferrovales(0.0000),f:Ferrovaceae(0.0000),g:Ferrovum(0.0000);
ATGATGAGACCGGCCGTTTGACTGTTGACGGGATGAACATAATAAGCCATGCCGGCCGCCATAAACTCAACAGGAGCAGTAAAGCGAGGGTATCCTACAAAGTCCAGCGTACCATAAACGCAAGCCTCAACGCAGCGACGAGCACGAGAGCGGTCAGTAGCAATCCAAACTTTGTTACTCGTCAGAAAATCGAAATCATCTTCGGTTAAATCCAAAACGGCAGAAGCCTGAATGAGCTTAATAGAGGCCAAAGCGGTCTGGAAACGTACGGATTGTTCAGTAACTTGACTCATGAGTTCTTACCTATTAGGGGTTGGACAGCAGCGGACTCAGATAGTAAGCCACG
>OTU6091;tax=d:Archaea(0.0024),p:"Euryarchaeota"(0.0000),c:Thermoplasmata(0.0000),o:Thermoplasmatales(0.0000),f:Thermoplasmatales_incertae_sedis(0.0000),g:Thermogymnomonas(0.0000);

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>OTU6088;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Gracili
bacteraceae(0.1291),g:Gracilibacter(0.0230);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCGGACCCAGCAACGCCGCGTGAAGGAAGAAGG
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>OTU6089;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Bacilli(0.9776),o:Lactobacillales(0.9172),f:Lactoba
cillaceae(0.8146),g:Lactobacillus(0.5239);

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>OTU6094;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9769),o:Clostridiales(0.9606),f:Lachn
ospiraceae(0.6709),g:Blautia(0.3479);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTA
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>OTU6093;tax=d:Bacteria(0.8696),p:"Bacteroidetes"(0.3448),c:"Bacteroidia"(0.0425),o:"Bacteroidales"(0.0
291),f:"Rikenellaceae"(0.0073),g:Alistipes(0.0039);

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ospiraceae(0.0149),g:Robinsoniella(0.0066);
CCTTTCTTCCTCCTTCTTTCCTCTTTCTCCCTGGCGGCCACTCTGACGCAGTGACGCCGCGTGCAGGAAGAAGGTTTTC
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GCCGCGGTAATACGTAGGGAGCAAGCGTTATCCGGATTTATTGGGTGTAAAGGGTGCGTAGACGGGAAGACAAGTT
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diaceae_1(0.6350),g:Clostridium_sensu_stricto(0.4787);
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>OTU6096;tax=d:Bacteria(0.9827),p:"Bacteroidetes"(0.5174),c:"Bacteroidia"(0.0626),o:"Bacteroidales"(0.0
413),f:"Porphyromonadaceae"(0.0086),g:Barnesiella(0.0043);
ACGGGAGGCAGCAGTGAGGAATATTTTACAATGTATGCAACTCTTATCCATCCATGCCGCGTTAATTACTAAGTCCCT
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>OTU6097;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Lachn
ospiraceae(0.1291),g:Dorea(0.0230);

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GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGT
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GTA

>OTU6098;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Eubac
teriaceae(0.2184),g:Eubacterium(0.0615);

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>OTU6102;tax=d:Bacteria(0.0058),p:"Proteobacteria"(0.0000),c:Betaproteobacteria(0.0000),o:Burkholderi
ales(0.0000),f:Burkholderiaceae(0.0000),g:Polynucleobacter(0.0000);

GCCGTTTGAATGTTGACGGGATGCACATAATAAGCACTGACGGCAGCACTACACTCCACAGGCGCAGGAAAGCGAG
GGTATCCTCCAAAGTCCCGCGTACCATAAACGCAAGCCTCAACGCAGCGACGAGCACGAGAGCGGTCAGTAGCAATC
CAAACTTTGTTACTCGTCAGAAAATCGAAATCATCTTCGGTTAAATCCAAAACGGCAGAAGCCTGAATGAGCTTAATA
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>OTU6100;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Bacilli(0.9851),o:Lactobacillales(0.9063),f:Lactoba
cillaceae(0.7068),g:Lactobacillus(0.3915);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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GCCTTGGGTGCGGAAGAGGACAGTGAGGCTCCATGTGTAGCGGTGGAATCCGTAGATATATGGAAGACCACCGGTG
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>OTU6099;tax=d:Bacteria(1.0000),p:Firmicutes(0.1905),c:Clostridia(0.0726),o:Clostridiales(0.0473),f:Rumin
ococcaceae(0.0113),g:Intestinimonas(0.0056);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGT
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TGCGTAGGCGGCAGAGCAAGTCCGATGTGAAATCCGTGGGCTTAACCCACGAACTGCATTTGAAACTGTTTTGCTTG
AGTGAAGTAGAGGCAGGCGGAACTCCCTGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAA
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>OTU6101;tax=d:Bacteria(0.9450),p:"Proteobacteria"(0.2586),c:Alphaproteobacteria(0.1159),o:Rhizobiales
(0.0352),f:Rhodobiaceae(0.0086),g:Rhodobium(0.0043);
ACGGGAGGCAGCAGTGAGGAATATTGGGCAATGGAGGAAACTCTGACCCAGCCATGCAGCGTGAGTGAAGACGGT
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303),f:Bacteroidaceae(0.3544),g:Bacteroides(0.1299);
ACGGAAGGCAGCAGTGAGGAATATTGGACAATGGGCGGGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACGGC
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CATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGG
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cillaceae(0.5632),g:Lactobacillus(0.2607);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
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>OTU6104;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Bacilli(0.5195),o:Lactobacillales(0.2679),f:Lactoba
cillaceae(0.1291),g:Lactobacillus(0.0181);

ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGACCAAAAGTCTGATCCAGCAATTCTGTGTGCACGATGACGGT
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CCAGCAGCCGCGGTAATACGTATGTCGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTGAT
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412),f:"Prevotellaceae"(0.4914),g:Prevotella(0.1299);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCGGCATGGCAAGTCTGATGTGAAAACCCAGGTCTCAACCTTGGGACTGCATTGGAAACTGTCAAGCTGGA
GTGTCGGAGAGGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGG
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ionales(0.3959),f:Desulfovibrionaceae(0.2184),g:Desulfovibrio(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGT
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>OTU6109;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Bacilli(0.9755),o:Lactobacillales(0.8846),f:Lactoba
cillaceae(0.6709),g:Lactobacillus(0.5239);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCAGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
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AAAGTCACGGCTAACTACGTGACAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGAGTAA
AGCGAGCGCCGGCGGAATGACAAGTAAGATGTGAAAGCCCACGGCTCAACCGTGGAACTGCAACGGAAACTGTCAT
TCTTGAGTGCAGAAGAGGAAAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGG
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>OTU6111;tax=d:Bacteria(0.0041),p:"Acidobacteria"(0.0000),c:Acidobacteria_Gp3(0.0000),g:Gp3(0.0000);

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GTTGCGCCGCCAAAACGTCGGCTACAGTAACTTTTCCCAGCCTCAATCTCATCTCTCTTTTTGCGTTCTGCTTCAATATC
TGGTTGAACGGCGTCGCGTCGTAACCCAGCTTGGTAAGTTGGATTAAGCACTCCGTGGACAGATTTGTCATTGTGAG
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>OTU6108;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.6036),c:Actinobacteria(0.3483),o:Coriobacteriales(0.1483),f:Coriobacteriaceae(0.0560),g:Collinsella(0.0134);

ACGGGAGGCAGCAGTGGGGAATCTTGCGCAATGGGGGCAACCCCGACGCAGCGACGCCGCGTGCGGGACGGAGG
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CAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGATTTATTGGGCGTAAAGCGCGTCTAGGTGGTTTGGT
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GTGGAACTCCATGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTG
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>OTU6110;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Bacilli(0.2321),o:Lactobacillales(0.1015),f:Lactobacillaceae(0.0355),g:Lactobacillus(0.0087);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGCCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGC
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CAAGTCACGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAA
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CACTTGAGTGCGGGAGAGGTTGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATT
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GTA

>OTU6112;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9887),o:Lactobacillales(0.9730),f:Lactobacillaceae(0.9201),g:Lactobacillus(0.7162);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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AAAGCGAGCGCAGGCGGTTTGATAAGTCTAATGTGAAAGCCGTTGGCTTAACCAAAGAAGTGCATCGGAAACTGTCA
GACTTGAGTGCAGAAGAGGACTGGGGAACTCCGTGTGTAGCGGTGGAATGCGTCGATATATGGAAGAACACCTGTG
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>OTU6114;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachnospiraceae(0.1872),g:Fusicatenibacter(0.0519);

ACTTTCTTCCTCCTTTTTTCCTCTTTCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATTTC
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AGCCGCGTTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCATGGCAAGT
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AATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGAAGATGAC
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>OTU6113;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Rumin
ococcaceae(0.1679),g:Saccharofermentans(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
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pirillales(0.0000),f:Oceanospirillaceae(0.0000),g:Oleispira(0.0000);
TCTCCTCCCTTCCTTTTCCGACTCCCCTTCCCTTCCCCTTGTTGACCACCTACATACCAAAGACGAGCGCCTTTACGCTTG
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ionales(0.9063),f:Desulfovibrionaceae(0.7787),g:Desulfovibrio(0.5720);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGCAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGT
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GTA
>OTU6117;tax=d:Bacteria(0.8696),p:"Bacteroidetes"(0.4311),c:Sphingobacteriia(0.0425),o:"Sphingobacteri
ales"(0.0291),f:Sphingobacteriaceae(0.0073),g:Parapedobacter(0.0039);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGACGGAAGACGGC
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GCATCGGCTACCCCGGTGCAGCAGGCCGCGGTATACCGGGGATGCGAGGGTTATCCGGGTTTATTGGATTTAAAGG
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483),f:"Porphyromonadaceae"(0.0457),g:Barnesiella(0.0110);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGCCTGAACCAGCCATGTCGCGTGCAGGATGGAGGC
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>OTU6118;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachn
ospiraceae(0.3204),g:Dorea(0.0904);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAAGGATGAAGTA
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766),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0326);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCATGAGGGACGACTGC
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ococcaceae(0.0457),g:Intestinimonas(0.0110);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
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ococcaceae(0.1872),g:Oscillibacter(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAACCTTACCCCGCCACGCCGCGTGAAGGAAGAAGGCC
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>OTU6123;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9572),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4
652),f:"Rikenellaceae"(0.1679),g:Alistipes(0.0423);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGAGGACGGT
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>OTU6124;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8267),c:"Bacteroidia"(0.2902),o:"Bacteroidales"(0.1
249),f:Prolixibacteraceae(0.0457),g:Prolixibacter(0.0110);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
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GGTGCGTAGGCGGAAGTGCAAGTCAGCTGTGAAATCCCCGCGCTTAACGCGGGAGTTGCCGTTGATACTGTACATCT
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acteriales"(0.7623),f:Enterobacteriaceae(0.5632),g:Escherichia/Shigella(0.1299);

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GGTA

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cillaceae(0.7428),g:Lactobacillus(0.3043);

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CAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTTGTAAGCGTTATCCGGATTTATTGGTCG
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acteriales"(0.8629),f:Enterobacteriaceae(0.7428),g:Escherichia/Shigella(0.3479);

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>OTU6129;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9784),o:"Bacteroidales"(0.9
707),f:"Prevotellaceae"(0.9201),g:Prevotella(0.5239);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAATCAGCCAAGTAGCGTGCAGGATGACGGC
CCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCCGGATTATAAGCGTGTTGGGAAATGGCGTGGCTCAACCTGGTCATTGCAGCGCGAACTGGGAGACTT
TAGTGCGGAAGGAGTAGGCGGAATTCGTCGGGTAGCGGTGAAATGCTTAGATATGACGGAGAACTCCGATTGCGAA
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>OTU6128;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Rumin
ococcaceae(0.1291),g:Intestinimonas(0.0181);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
CTTCGGGTTGTAAACTTCTTTTAAGAGGGACGAAGAAGTGACGGTACCTCTTGAATAAGCCACGGCTAACTACGTGCC
AGCAGCCGCGGTAATACGTAGGTGGCGCGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTTATAA
GCGTGTTGTGAAATGTCGGGGCTCAACCTCGGGATTGCAGCGGGAACTGTGGGGCTTGAGTGGGGAAGAAGTAGG
CGGAATTCGTCGTGTAGCGGTGAAATGCGTAGATATGAGGAAGAACTCCGGTTGCGAAGGCGGCCTGCTGGAGCGC
AACTGACGCTGAGGCTCGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU6130;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Lachn
ospiraceae(0.1679),g:Clostridium_XlVa(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
TTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGTGTAGGCGGGAAAGCAA
GTCAGATGTGAAAATTATGGGCTCAACCCATAACCTGCGTCTGAAACTGTTTTTCTTGAGTATCGGAGAGGTAAGTAG
AATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAATACCGGTGGCGAAGGCGACTTACTGGACGACAAC
TGACGCTGAGACACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6131;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9180),o:"Bacteroidales"(0.8
303),f:"Prevotellaceae"(0.5273),g:Prevotella(0.0808);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
CCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTGGGCCACGCGTGGCCTTTTGCAGGTACCGCATGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCCGCTGTTCAAGCGTGTCGTGAAATGCGGTTGCTCAACGATCGCACTGCGGCGCGAACTGTCCGGCTTG
AGTCAAGTGGAAGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGCTATGGCGAAGAACTCCGATTGCGAAG
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>OTU6132;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9892),o:Lactobacillales(0.9280),f:Lactoba
cillaceae(0.8864),g:Lactobacillus(0.6681);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAGGTCTGATGGAGCAACGCCGCGTGCGTGAAGAAGGT
TCTCGGATCGTTAAGCTCCGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGTCGGTAATCAACAAG
AAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGCTGTCCGGATTTATTGGGCGTAA
AGCGAGCGCAGGCGGACAAATAAGTCTGATGTGAAAGCCCTCGGCTTAACCGAGGAGCTGCATCGGAAACTGTTTTT
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>OTU6133;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.9280),f:"Prevotellaceae"(0.6350),g:Prevotella(0.4787);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGAAGGTCCTATGGGTTGTAAACCCCTTTTATAAGGGAATAAAGTGAGCCTCGTGAGGCTTTTTGCATCTACCTTATGAATAAGGATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTGCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCTGGAGATTAAGCGTGTTGTGAAATGTAGAGGCTCAACAGTTGCACTGCAGTGCGAACTGGGGTCCTTGAGTACGTACGGAGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGAGCGCAACTGACGCTGAGGCTCGAAAGTGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU6135;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9168),c:Sphingobacteriia(0.4812),o:"Sphingobacteriales"(0.2359),f:Sphingobacteriaceae(0.1098),g:Olivibacter(0.0181);

ACGGAAGGCAGCAGTAAGGGATATTGGTCAATGGGGGGAACCCTGAACCAGCCATGCCGCGTGAGGGAATAAGGCCCTACGGGTCGTAAACCTCTTTTGCCGGGGGATAAGGACGCCCACGTGTGGGTGTTTGAAGGTACCCGGAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGGGTGTTAAGTCAGCGGTGAAAGTTCCCGGCTCAACCGGGTCAGTGCAGTTGGTACTGGCAGTCTTGAATGCGGTCAAGGCCGGCGGAATGTGGCGTGTAGCGGTGAAATGCATAGATATGCCACAGAACACCGATAGCGAAGGCAGCTGGCCGGGCCTGCATTGACGCTCAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU6136;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.7995),f:"Prevotellaceae"(0.4224),g:Prevotella(0.0519);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTACGCGGGGATAAAGTGCGCCACGTGTGGCTCATTGTAGGTACCGCGTGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCGGAGGCTTAAGCGTGACGTGAAATGTCGCCGCTCAACGGCGGAACTGCGGCGCGAACTGGGGGGCTTGAGTGAGTGCAACGTAAGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATCGCGAAGGCAGCTTACGAGAGCGCTACTGACGCTGAAGCTCGAAGGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU6134;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9994),c:Gammaproteobacteria(0.9769),o:"Enterobacteriales"(0.8737),f:Enterobacteriaceae(0.7787),g:Escherichia/Shigella(0.3915);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATACCTGTGACCATTGACGTTACCGGGAGAAGAAGCACCGGCGAACGACGGGCCAGCAGGCGCGGCAATACGGAGGGGGCAAGAGTTAATCGGAATTACTGGGCGTAAAGCGCACGCAGGCGGTTTGTTAAGTCAGATGTGAAATCCCCGGGCTCAACCTGGGAGCTGCATCTGATACTGGCAAGCTTGAGTGTCGTAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCAGTGGCGAAGGCGGCCCCCTGGACGATGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6137;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Bacilli(0.5579),o:Lactobacillales(0.2999),f:Lactobacillaceae(0.1485),g:Lactobacillus(0.0326);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCATGGCAAGTCTGATGTGAAAACCCAGGGCTCAACCTTGGGACTGCATTGGAAACTGTCAAGCTGGAGTGTCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGTCTGCTGGACAGCAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6139;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8628),c:"Bacteroidia"(0.4045),o:"Bacteroidales"(0.1719),f:"Porphyromonadaceae"(0.0355),g:Parabacteroides(0.0087);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGATGACGGCCCTACGGGTTGTAAACCTCTTTTATAAGGGAATAAAGATGTGGTCGTGACCACAGTTGCATGTACCTTATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCGGCCGAGTAAGTAAGCGGTGGGAGGCCGGGGCACAACCCGGGAAGTGCTGTTGAGACTGGTTGGCTGGAATAATCCCGCCGCAGGAGGTAGGAGTGGTGTAGCGGTGATATGCATAGATATCGCTCAGAACAGCGATTGCGAAGGCATCTCGCGAGGGGTCAATTGACGCTGGGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCGTGGTA
>OTU6138;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9991),c:Gammaproteobacteria(0.9834),o:"Enterobacteriales"(0.9280),f:Enterobacteriaceae(0.9108),g:Escherichia/Shigella(0.5720);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAATAAGGACCGGCTAACTCCGTGCCAGAAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGCACGCAGGCGGTTTGTTAAGTCAGATGTGAAGTCCCCGGGCTCAACCTGGGAACTGCATCTGATACTGGCAAGCTTGAGTCTCGTAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGGCGAAGGCGGCCCCCTGGACGAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6141;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.9606),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTAAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAAGGAATCAAGTCGGGTATGGTTACCAGTTTGCATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATTAGGAGGATCCGAGCGTTATCAGGAGTTATTGGGTTTAAAGGGAGCGTAGATGGATGTTTAAGTCAGGTGTGAAAGTCTGCGGCTCAACCGTGAAATTGCTGTTGATACTGGATATCTTGAGTGCAGTTGAGGCAGGCTGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTAAGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU6140;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9802),c:Gammaproteobacteria(0.9462),o:"Enterob
acteriales"(0.6509),f:Enterobacteriaceae(0.4563),g:Escherichia/Shigella(0.1735);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTGTGAAGAAGGC
CTTCGGGTTGTAAAGTACTGTCAGCGGGGAGGAAGGGAGTAAAGTTCATACCTTTGCTCATTGACGTTACCCGCCGA
AGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTATTCGGAATTACTGGGCGT
AAAGCGCACGCAGGCGGTTTGTTAAGTCTGATGTGAAAGCCCCGGGCTCAACCTGGGAACTGCATCTGAAACTGGCA
ATCTTGAGTGCCGAAGAGGAGGGTGGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAAGAATACCAGTG
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GTA
>OTU6143;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.7
995),f:"Prevotellaceae"(0.4914),g:Prevotella(0.0519);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
CCTATGGGTTGTAAACTGCTTCTATACGGGGATAAAGTGGGCCACGCGTGGCCGTTTGCAGGTACCGCATGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGCAGGCCGCCGGGCAAGCGTGTTGTGAAATGTAGCCGCTCAACGGCCGCACTGCAGCGCGAACTGTCAGGCTT
GAGTGCGTGCAACGTTGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGGCGAAGAACTCCGATTGCGAA
GGCAGCTGACGGGTGCGTAACTGACGCTAATGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU6145;tax=d:Bacteria(0.0024),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Clostridiales(0.0000),f:Eubac
teriaceae(0.0000),g:Eubacterium(0.0000);
AACTGACGCGTTGGATGCGGAGACGTGGCTTAATATGCTTGGCTCGTTCGTCAAGGACTGGTTTAGATATGAGTCAC
CTTTTGTTCATGGTAGAGATTCTCTTGTTGACATTTTAAAAGAGCGTGGATTACTATCTGAGTCCGATGCTGTTCAACC
ACTAATAGGTAAGAAATCATGAGTCAAGTTACTGAACAATCCGTACGTTTCCAGACCGCTTTGGCCTCTATTAAGCTC
ATTCAGGCTTCTGCCGTTTTGGATTTAACCGAAGATGATGTCGATTTTCGGACGAGTAACAAAGTTTGGAGTGCTACT
GACCGCGGTCGTGCTCGGCGCTGCGTTGAGGCTTGCGTTTATGGTACGCTGGACTTTGTAGGATTCCCTCGCGTTCCT
GCTCCTGTTGAGTTTATTGCGGCCGGCATTGC
>OTU6142;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Rumin
ococcaceae(0.1872),g:Ruminococcus(0.0519);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
TTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAGAGGCCCGAAAGGGAGATGACGGTACCTGACTAAGAAGCCCCG
GCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGAGAGCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCG
TAGGCGGGATTGCAAGTCAGATGTGAAAGGCGGGGGCTTAACTCCCGAGCTGCATTTGAAACTGTAGTGCTTGAGT
GAAGTAGAGGTAAGCGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATCAGGAGGAACACCGGTGGCGAAGGC
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>OTU6144;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Incertae_Sedis_XI(0.0710),g:Clostridium_XII(0.0157);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCCGATGCAGCAACGCCGCGTGAGCGAAGAAGGTCTTCGGATCGTAAAGCTCTGTTCTTGGGGAAGATAATTACGGTACGTGTGGAGCAATCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAACACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGCGTGCGTAGGTGGTTAACTAAGCAGGGGGTGAAAGGCAATGGCTCAACCAGTGTTAGCCCCCTGAACTGGGCTACTTGAGTGCAGGAGAGGAGAGCGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTTACTGACGCTGAGGCACGAAAGTGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU6147;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Lachnospiraceae(0.8146),g:Coprococcus(0.5720);

ACGGGAGGAAGGAGGGGGGAAGATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCACCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGGTGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGTAAGTCTGAAGTGAAAGCCCGGGGCTCAACCCCGGGACTGCTTTGGACACTATGCAGCTGGAGTATCGGAGAGGCACGTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTGGGCGGAACACCAGTGGCGCACGCGGTTTGCTCGCCGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGCTACCCTGGTA

>OTU6146;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:"Bacteroidia"(0.2321),o:"Bacteroidales"(0.1015),f:"Porphyromonadaceae"(0.0355),g:Barnesiella(0.0087);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGAGGTAACTCTGATCCAGCCATGCCGCGTGAAGGATTAAGGCCCTATGGGCTGTAAACTTCTTTAGACGCAGAGTAATAAGGGCCACGTGTGGTTCTATAAGAGTATGCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCGGCTTTGCAAGTCAGCGGTGAAAGGCCCGGGCTCAACCCGGAAAGTGCAGTTGATACTGTGAGGCTGGAGTGCGGATGATGTAGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCACTCAGAACACCGATTGCGAAGGCATCTCACAGGACCGCAATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU6148;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Lachnospiraceae(0.4224),g:Hespellia(0.2171);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAATGATGAAGTATTTCGGTATGTAAACTTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGAGTAAGTCAGATGTGAAAACCCGGGGCTCAACCCTGGGACTGCATTTGAAACTACTCGGCTAGTGTGTCAAAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATTCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGTCTTACTGGTCGAAGTCTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6149;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.9321),o:Clostridiales(0.7995),f:Ruminococcaceae(0.5273),g:Clostridium_IV(0.0519);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTTTCAGGGACGAAGAAAGTGACGGTACCTGAGGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGCGGCAAGCGTTATCCGGGTGTACTGGGTGTAAAGGGCGTGTAGGCGGGACTGCAAGTCAGATGTGAAAACTCAGGGCTCAACCCTGAGCCTGCATTTGAAACTGTAGTTCTTGAGTACTAGAGAAGCAGACGGAATTCCTAGTGTGACGGTGAAAAGCGTAGATATTAGGAGAAACACCAGTGGCGAAGGCGGTCTGCTGGACAGCAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6150;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Ruminococcaceae(0.3204),g:Clostridium_IV(0.0904);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGGGAAGAAGGCTTCGGGTTTGTAAACTTAAGTTGTAAGGGACGAAAAAATGACGGTACCTGAAAAGAAAGTCCCGGTAAACAACGTGCCAGCAGCCGGGGAAAAACGGAGGGAGCGAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGGTTTGCAAGTCAGGCGTGAAATACCGAGGCTTAACTTCGGGGCTGCGCTTGAAACTGTAGATCTTGAGTGAAGTAGAGGTAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGGCTTAAACTGACGCTGAGGCACGAAAGCATGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6152;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9877),o:Lactobacillales(0.9172),f:Lactobacillaceae(0.8505),g:Lactobacillus(0.3479);

ACGGGAGGCAGCAGTAGGGGATCTTCCACAATGGGCGCAAGCCCGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTAGAGAAGAACGTTCGTGAGAGTAACTGTTCACGCTGTGACGGTATCCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTCATACGTAGGTGGCAAGCGTTATCCGGAGTTTTTGGGCGTAAAGCGAGCGCAGGCGGTTGCTTAAGTCAGATGTGAAAGCCATCGGCTTAACCGAAGAAGTGCATCGGAAACCGGGGGACTTGAGTGAAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCACGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU6151;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Clostridiales_Incertae_Sedis_XIII(0.0560),g:Anaerovorax(0.0134);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAACGAAGAAGGCTCTTGGGTCGTAAAGTTCTGTTCTGAGGGAAGAAGAAAGTGACGGGACCTCAGGAGAAAGCCCGGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATTATTGGGCGTAAAGAGTACGTAGGCGGTCTGGTAAGCGCAATGTGAAAGGCATAGACTCAACCCATGTCAGACTTGCGAACTGTCAGACTTGAGTCCTGGAAGGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCTTAGATATTAGGAGGTACACCAGTAGCGAAGGCGACTTTCTGGACTGTAACTGACGCTGATGTACGAAAGCGTGGGGCGCAAACAGGATTAGATACCCTGGTA

>OTU6153;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Bacilli(0.5963),o:Lactobacillales(0.3319),f:Lactobacillaceae(0.1679),g:Lactobacillus(0.0423);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAGAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGGTAGTGAAGAAAGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATTACTTAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGACTGGGTGTAAAGGGAGAGTAGGCGGGATTGCAAGTCCGTTGTTAAATCTATCGGCTTAACCGGTAGCTGCGGCGGAAACTGTAGTTCTTGAGTGAAGTAGAGGCAGGCGGAATTCCCTGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTAACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU6155;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9802),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8520),f:"Prevotellaceae"(0.5991),g:Prevotella(0.3043);

ACGGGAGGCAGCAGTGGGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGCCCTATGGGTTGAAAACTGTTTTTATAGGGGAATAAAGTGAGTCTCGTGAGACTTTTTGCATGTACCTTATGAATAAGGACCGGCTAATTCCATTCCAGCCGCCGCGGTAATACGGAAGGTCCGGTCGTTATCCGGATTTATTGGGTGTAAAGGGAGCGTAGGCCGGAGATTAAGCGTGTTGTGAAATCTAGGCGCTCAACGTCTGCACTGCAGTGCAAACTGGTTTCCTTGAGTACGGATAAAGTAGGCGGAATGCGTAGTGTAGCGGTGAAATGCGTAGATATCACGAAGAACTCCCATGGCGAAGGCAGCTCACTGGAGCGCAACTGACGCTGAAGCTCGAAAGCGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU6156;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Clostridiaceae_1(0.1679),g:Clostridium_sensu_stricto(0.0326);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGGTGGAGGAGAATGTTCGTGAGCGTAACTGTTCACGCAGTGACGGCACCCATCCAGAAAGTCACGGCTCACTACGTGCCAGCAGCCGCGGCAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTTTTAAGTGAGATGTGAAATACCCGGGCTCAACGTGGGTACTGCAGTTCAAACTGGAGGTCTAGAGTGCAGGAGAGGAGGGGGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGCTTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6154;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Ruminococcaceae(0.1098),g:Ethanoligenens(0.0157);

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GCGGAACTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTCACTGGGCTG
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diaceae_1(0.1872),g:Clostridium_sensu_stricto(0.0519);
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diaceae_1(0.2524),g:Clostridium_sensu_stricto(0.0712);
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ospiraceae(0.3884),g:Blautia(0.0808);
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ales"(0.0547),f:Sphingobacteriaceae(0.0149),g:Parapedobacter(0.0066);
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889),f:"Prevotellaceae"(0.8146),g:Prevotella(0.5239);
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cillaceae(0.7787),g:Lactobacillus(0.3915);
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>OTU6163;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Lachn
ospiraceae(0.0710),g:Clostridium_XlVa(0.0157);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGCGGAAGCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGGC
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diales_Incertae_Sedis_XII(0.1291),g:Acidaminobacter(0.0230);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCAACGCCGCGTGAAGGAAGAAGGC
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>OTU6165;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4045),o:Clostridiales(0.1483),f:Rumin
ococcaceae(0.0457),g:Clostridium_IV(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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0.0781),f:Flavobacteriaceae(0.0149),g:Gilvibacter(0.0056);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATGCCGCGTGAATGACTAAGGCC
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cillaceae(0.7068),g:Lactobacillus(0.3479);
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ospiraceae(0.4563),g:Coprococcus(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGGA
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ospiraceae(0.3884),g:Blautia(0.0904);
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ospiraceae(0.7068),g:Lachnospiracea_incertae_sedis(0.3043);
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629),f:Bacteroidaceae(0.5273),g:Bacteroides(0.3479);
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652),f:"Prevotellaceae"(0.2184),g:Alloprevotella(0.0181);
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ococcaceae(0.5632),g:Clostridium_IV(0.1299);
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959),f:"Prevotellaceae"(0.1485),g:Prevotella(0.0157);
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ospiraceae(0.5991),g:Coprococcus(0.3479);
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995),f:"Prevotellaceae"(0.4224),g:Prevotella(0.0519);
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473),f:"Porphyromonadaceae"(0.0113),g:Barnesiella(0.0056);
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diaceae_1(0.3204),g:Clostridium_sensu_stricto(0.0808);
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acteriales"(0.8737),f:Enterobacteriaceae(0.7787),g:Escherichia/Shigella(0.3479);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGCT
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AAGCACCGGCTAACTCCTTGCCATCAGCCTCGGTAATACGGAGGGTGCAAGCGTTAATCAGAATTACTGGGCGTAAA
GCGCACGCAGGCGGTTTGTTAAGTCAGTGGTGAAAGCCCCGGGCTCAACCTGGGAGCTGCATCTGATACTGGCAAG
CTTGAGTCTCGTAGAGGGGGGTAGAATGCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGG
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>OTU6182;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.6
138),f:"Prevotellaceae"(0.1485),g:Prevotella(0.0326);
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>OTU6183;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.8988),c:Deltaproteobacteria(0.7497),o:Desulfovibr
ionales(0.4652),f:Desulfovibrionaceae(0.2184),g:Desulfovibrio(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGT
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ococcaceae(0.2184),g:Ruminococcus(0.0326);
ACGGAAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGACGGT
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>OTU6185;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Lachn
ospiraceae(0.4914),g:Clostridium_XlVa(0.3043);
ACGGAAGGCAGCAGTGGGGAATATTGGACAATGGGGGAAACCCTGATCCAGCGACGCCGCGTGAGTGAAGAAGTA
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diaceae_2(0.0086),g:Alkaliphilus(0.0043);
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319),f:"Prevotellaceae"(0.1098),g:Prevotella(0.0204);
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>OTU6188;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Rumin
ococcaceae(0.2184),g:Clostridium_III(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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AGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACG
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>OTU6190;tax=d:Bacteria(0.0024),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Clostridiales(0.0000),f:Clostridiales_Incertae_Sedis_XI(0.0000),g:Peptoniphilus(0.0000);
ACACAGGCCACAAATTTCGGGTCGGCCTCAAAAGCACTATCAGCACCACCAGAAACCACCTGCTTAGCGGCGTTGCCC
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>OTU6189;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9604),o:"Bacteroidales"(0.8629),f:"Porphyromonadaceae"(0.5273),g:Parabacteroides(0.2171);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGAGAGGCTGAACCAGCCAAGTCGCGTGAAGGATGAAGGA
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CGTAGGTGGTCTTTTAAGTCAGGTGTTAAAGTTGGGGGCTCAACCATAAAATTGCCATGGAAACGGGGAGCGTTGAG
TATGTTTGATGTAGGCGAAGTGCGTGGTGTAGCGGTGAAATGCATAGAAAGCACGCAGAACTCCGATTGCGAAGGC
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>OTU6193;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9321),o:"Bacteroidales"(0.8412),f:"Prevotellaceae"(0.4914),g:Prevotella(0.1299);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACTGC
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ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGCAGGCTGGATTTTAAGCGTATTGTGAAATGTACCGGCTCAACCGGTGATGTGCAGCGCGAACTGGAGTGCTTGA
GTGAGTGCGACGTCAGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACACCGATTGCGAAGG
CAGCTGACGAGTCCTTAACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU6192;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:Sphingobacteriia(0.2321),o:"Sphingobacteriales"(0.1015),f:Sphingobacteriaceae(0.0355),g:Parapedobacter(0.0076);
AAGGGAGGAAGAAGGGAGGAAGAGGGGGAAAAGGGCGAAAGCCTGAACCAGCCATGCCGCGTGAAGGAATAAG
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AGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCAAGCGTTATCCGGATTTATTGGGTTTAAAG
GGTGCGTAGGCTGTTCTGCAAGTCAGCGGTGAAAGCCCGGGGCTCAACCCCGGAAATGCCGTTGATACTGCGGGGC
TGGAATACGGATGCCGTGGGAGGAATGAGTAGTGTAGCGGTGAAATGCATAGATATTACTCAGAACACCGATTGCG
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>OTU6191;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Clostridiaceae_1(0.2184),g:Clostridium_sensu_stricto(0.0326);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGACGGATTTGTAAGTCAGCGGTGAAAGGCCCGGGCTCAACCCGAGAAGTGCAGTTGATACTGGGAGGCTGGAATGCAGGTGATGTGGAGGGAATGAGTGGTGTAGCGGTGAAATGCATAGAGATCACTAAGAACACCGATGGCGAAGGCATCTCACAAATCCGCAATTGACGCTGTGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTAGTA

>OTU6194;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9918),o:Lactobacillales(0.9798),f:Lactobacillaceae(0.9480),g:Lactobacillus(0.7643);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCCGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTAGAGAAGAACGAGCGTGCGAGTAACTGTTCACGCACTGACGCTATCTACCTAGAAAGTCACGGCTAACTACGTGCCATCAGCCGCTTTAATACGTAGGCTGCAAGCATTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTGATAAGTCTGATGTGAAAGCCTTTGGCTTAACCAAAGAAGTGCATCGGAAACTGTCAGACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU6197;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Lachnospiraceae(0.2184),g:Fusicatenibacter(0.0615);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATTTCGGTTTGTAAAGCTCTATCATCAGGGAAGAAGAAATGACGGTACCTGACTAAGAAACCCAGGCTAACTACGTGGCAGCCGCCGCGGTAATTCGGAGGGGGGCATCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCATGGCAAGTCTGATGTGAAAACCCAGGGCTCAACCGTTGGACTGCATTTGAAACTGTATAGCTTGAGTGTCGGAGAGGTAAGCGGAATTCCTTGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTACTGGACGATGACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6196;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9988),c:Spirochaetia(0.9791),o:Spirochaetales(0.9730),f:Spirochaetaceae(0.9666),g:Treponema(0.9686);

ACGGGAGGCAGCAGCTAAGAATATTCCACAATGGGCGAAAGCCTGATGGAGCCACGCCGCGTGGACGATGAAGGCCGGAAGGTTGTAAAGTCCTTTAGCAAGTGAGGAATAAGCGGGATAGGGAATGATCCCGTGGTGACTGTAGCTTGAGAATAAGGGTCGGCTAATTACGTGCCAGCAGCCGCGGTAACACGTAAGACCCTAGCGTTATTCGGAATTATTGGGCGTAAAGGGCACGCAGGCGGTCTGGTAAGTTTGGAGTGAAATTACGGAGCTTAACTCCGTAGCTGCTTTGGATACTGCTGGACTTGAATCAGTGAGGGGTGACCGGAATACCTAGTGTAGGGGTGAAATCTGTAGATATTAGGTAGAACACCGGTGGCGAAGGCAGGTCACCAGCACATGATTGACGCTCAGGTGCGAAGGTGCGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU6198;tax=d:Bacteria(0.9450),p:"Bacteroidetes"(0.3448),c:"Bacteroidia"(0.1159),o:"Bacteroidales"(0.0547),f:"Prevotellaceae"(0.0099),g:Prevotella(0.0043);

ACGGGAGGCAGCAGTGGGGAATATTGGTCAATGGACGGGAGCCTGAACCAGCCACGCCGCGTGCAGGATGAAGGCTCTATGGGTTGTAAACTGCGTTTTTAGGGGGGTAAAGTGTGACACGTGTGGCATATTGCGGGTACCCTATGAATATGGAACGGCTAATGCTGTGCCGGCAGCCGCGCTAATACGGAGGGTCCGGGCGTTATCCGGATTTATTGGGTGTAAAGGGAGCGCAGGCCGCCGGGCAAGCGTGATGTGAAAGGCGGGCGCCCAACGTCTGCACTGCTGCGCGAACTGTCCAGCTTGAGTGCGGGCAGCGTTGGCGGAATTCGTAGTGTAGCGGTGAAATGCGTAGATATGGCGAAGAACACCGGTTGCGAAGGCAGCTTACTGGTGCGTAACTGACGCTGATGCTCGAAAGTGCGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU6195;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9988),c:Gammaproteobacteria(0.9747),o:"Enterobacteriales"(0.8520),f:Enterobacteriaceae(0.7068),g:Escherichia/Shigella(0.3043);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTGCTCATGTACGTTACCAGCAGAAGAAGCACCGTCTCACGCCGTGCCAGCAGCCGCGGTAATACGGATGGTGCAAACGTTAATCGGAATTACTGGGCGTAAAGCGCACGCAGGCGGTTTGTTAAGTCAGAAGTGAAATCCCAGGGCTCAACCTGGGAATTGCATCGGAAACTGGCAAGCTTGAGTTTCGGAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGGCGAAGGCGGCCACCTGGACGAAGACTGACGCTCAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6201;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Lachnospiraceae(0.0457),g:Blautia(0.0110);

AAGGGAGGAAGAAGAGGGGAAGAGAGAAAAGGGGGAGAAAAAGAGAAGAAGGGACGAAGCCAGAGCGAAGGAGTATCTCGGTATGGAAATCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAGAGGCAAGTCTGATGTGAAAAACCGGGGCTCAACCCCGGTAGTGCATTGGAAACTGTTTATCTGGAGTTCCGGAGGGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATTTTAGGAGGAACACGAGTGGCGACGGCGGCTTACCGCACGCTCTATGACGTTCAGTTTCGAAAGCCTGGGGGGAACAGAGGATTAGATACCCTCGTA

>OTU6202;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9671),c:"Bacteroidia"(0.8755),o:"Bacteroidales"(0.7252),f:"Prevotellaceae"(0.4563),g:Prevotella(0.0615);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGTCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGCCCTATGTGTTGTAACCTGCTTTTATACGGGGATATATTGGGCCACCTGTGGCTTATTGCACGTACCGTTTGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGATGTTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTGGTAAGCGTGTAGTGAAATGTCGGGGCTCAACCTGGGGATTGCAGCGCGAACTGGCAGGCTTGAGTGCGGAGGGAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCGTAGATATGAGGAAGAACTCCGATGGCGAAGGCGGCCTGCTGTAGCGTAAATGACGCTGAAGCTCGAAAGCGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU6199;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:"Bacteroidia"(0.3483),o:"Bacteroidales"(0.1483),f:"Porphyromonadaceae"(0.0457),g:Barnesiella(0.0076);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGGGAGGGATGACGGTCCTACGGATTGTAAACCTCTTTGGTCGGGGAGGAACGTGCGGGACGCGTCCCGTAGTGAGAGTACCCGAAGAAAAAGCAGCGGCTAACTCCGGGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGGGCGCAGGCGGCGCGCCAAGTCAGCCCTCAAAGTTCCGGCCTCCGCCCGGTGTCGCCTTTCCAACTGGCGTTCTCGAGTGCGTGCGAGCACGGCGGAATGCGTTGTGTAGCGGTGAAATGCATAGGTATGACGCAGAACTCCGATTGCGACGGCAGCTTTCCAGCGCGCTACTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU6200;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9988),c:Gammaproteobacteria(0.9762),o:"Enterobacteriales"(0.8629),f:Enterobacteriaceae(0.7428),g:Escherichia/Shigella(0.3479);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCCATGCCGCATGTATGAAGAAGGCCTTCGGGTTGTAAATTACTTTCAGCGGGGAGGATGGGAGTAAAGTTAATACCTTTACTCATTGCCGTTACCCGCAGAAGAAGCACCGGCTAACTCCGTGCCCGCAGCCGCGGTAATACGGAGGGTGCAAGCGTGAATCGGAATTACTGGGCGTAAAGCGAACGCAGGCGGTTTGGTAAGTCAGATGTGAAATCCCCGGGCTCAACCTTGGAACTGCATCTGATACTGGCAAGCTTGAGGTTCGTAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAAGACCGGTGGCGAAGGCGGCCCCCTGGACGAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6204;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9903),o:Lactobacillales(0.9753),f:Lactobacillaceae(0.9294),g:Lactobacillus(0.7643);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCCGATGGAGCAACACCGCGTGAGTGAAGAAGGGCTTCGGCTCGTAAAGCTCTGTTGTTAGAGAAGAACGTGCGTGATAGCAACTGTTCACTCCGTGACGGTATCTAACCAGAAAGTCACGGCTAACTACGTTCCAGCAGCCGCCGTAATACGTAGGTTGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTGATAAGTCGGATGTGAAAGCCTTTGGCTTAACCAAAGAAGTGCATCGGAAACTGTCAGACTTGAGTGGAGAAGAGGACAGTGGAACTCCAGGTGTAGAGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGGCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU6206;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.7995),f:"Porphyromonadaceae"(0.3884),g:Parabacteroides(0.1299);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGTTCTATGGATTGTAAACTTCTTTTATGGGGGAATTAAGTGCGGGATGCGTCCCGTTTTGTATGTACCTCTTGAATAAGCATCGCCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGTGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGTGGCCTTTTAAGTCAGCGGTGAAAGTTTGGGGCTCAACCATAAAATTGCCGTTGAAACTGGAGGGCTTGAG

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acteriales"(0.6509),f:Enterobacteriaceae(0.4563),g:Escherichia/Shigella(0.0808);
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acteriales"(0.8846),f:Enterobacteriaceae(0.8146),g:Escherichia/Shigella(0.4351);
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063),f:"Prevotellaceae"(0.7068),g:Prevotella(0.3043);
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ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
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ales"(0.0000),f:Sphingobacteriaceae(0.0000),g:Mucilaginibacter(0.0000);
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359),f:Bacteroidaceae(0.0710),g:Bacteroides(0.0157);
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acteriales"(0.8303),f:Enterobacteriaceae(0.6350),g:Escherichia/Shigella(0.3043);
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955),f:"Prevotellaceae"(0.7428),g:Prevotella(0.3043);
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acteriales"(0.8520),f:Enterobacteriaceae(0.7068),g:Escherichia/Shigella(0.3043);
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737),f:"Prevotellaceae"(0.5991),g:Prevotella(0.1299);
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520),f:"Prevotellaceae"(0.5273),g:Prevotella(0.2607);
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diales_Incertae_Sedis_XI(0.0000),g:Helcococcus(0.0000);
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ococcaceae(0.0000),g:Ethanoligenens(0.0000);
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GTACCATCACCGCACGCCTCCACGCAGCGACGAGCACGAGAGCGGTCAGTAGCAATCCAAACTTTGTTACTCGTCAG
AAAATCGAAATCATCTTCGGTTAAATCCAAAACGGCAGAAGCCTGAATGAGCTTAATAGAGGCCAAAGCGGTCTGGA
AACGTACGGATTGTTTAGTAACTTGACTCATGATGTCTTACCGATTAGTGGTTGAACAGCAGCGGACTCAGATAGTAA
TCCACGCGCTGTTAAAATGTCAACAAGAGAAGCTCGACCATGAACAAAAGGTGAC
>OTU6289;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Rumin
ococcaceae(0.4563),g:Oscillibacter(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
TTTCGGGTTGTAAACTTCTTTTGTCGGGGACGAGTAGAAGACGGTACCTGGCGAATAATCCACGTCTAACTACGTGCC
AGCAGCCGCGGTAATACGTAGGTGGCCAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGTGTAGCCGGGAAGGCA
AGTCAGATGTGAAATCCACGGGCTTAACTCGTGAACTGCATTTGAAACTGTTAGTCTTGAGTATCGGAGAGGCGAGC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGACA
ACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6290;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Rumin
ococcaceae(0.2524),g:Clostridium_III(0.0326);
ACGTGATTCAGCAGTGGTTAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCC
TTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGAACGTGACGGTACCTGGAGAAAAAGCCACGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCTGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGCGGC
AAGTCAGATGTGAAATCTCGGGGCTTAACCCTGAAACTGCATTTGAAACTGTCGCCCTTGAGTGTCGGAGGGGCAAT
CGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGAGTGCTGGACGAT
AACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6291;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9604),o:Clostridiales(0.8520),f:Pepto
streptococcaceae(0.2524),g:Clostridium_XI(0.0712);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
CTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGGACTTGAGGAGGAAGCCCCTGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAA
GTCAGAGGTGAAAGGCTACGGCTCAACCGTAGGAAGCCTTTGAAACTGGGAAACTTGAGTGCAGGAGAGGAGAGT
GGACTTCCTAGTGCAGCGGTGAACTGCGTTGATATTAGGCGGAACACCAGTTGCGACGGCGGCTCTCTGGACTGTAA
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>OTU6293;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:"Bacteroidia"(0.0726),o:"Bacteroidales"(0.0473),f:"Porphyromonadaceae"(0.0099),g:Barnesiella(0.0046);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGAAGAAGGTCCTATGGATTTTAAACTTCTTTTGTCGGAGAGCAATAAGGGTCTCGCGAGATCCGATGAGAGTATCCGACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTCCGGTAAGTCAGCCGTGAAAAGCCCACGCTCAAGGGGGGGGGTGCGTTGGATACTGTGGGACGGGAATGAGGAGGCGGTGGGAGGAATGTGTGGTGTAGAGGGGAAATGAATAGATATCAAACAGAACACCGATTGCGAAGGAATCTCACGAATCCGCAAGTGACGCTGAGGAAAGAAAGCGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU6295;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.9740),o:"Bacteroidales"(0.9172),f:"Prevotellaceae"(0.8505),g:Prevotella(0.4787);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAGCTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATACGGCCCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCTGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGACTAATAAGCGAGGTGTGAAATGTCGGGGGTCAACCTGGGCATTGCAGCGCGAACTGTGAGACTTGAGTGCGAAGGAAGTGGGCGGAATTCGTCGTGTAGCGGTGAAATGCGTAGATATGACGAAGAACACCGATTGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCGCGAAAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU6294;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Ruminococcaceae(0.4224),g:Ruminococcus(0.0808);

ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCGGCAACGCCGCGTGAACGATGAAGGTCTTCGGATTGTAAAGTTCTTTTATTAAGGACGAAGAAGTCACGGTACTTAATGAATACGCTCCGTCTAACTACGTGCCAGCCGCCGCTGTAATACGTAGGGCGCAAGCTTTCTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCAGAGCAAGTCAGGTGTGAAATCCGTGGGCTTAACCCAAGAACTGCATTTGAAACTGTTTGGCTTGAGTGAAGGAGAGGCAGGCGGAATTCCCAGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6296;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9988),c:Deltaproteobacteria(0.9755),o:Desulfovibrionales(0.9389),f:Desulfovibrionaceae(0.7787),g:Desulfovibrio(0.6200);

ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGACGGTCTTCGGATCGTAAACCTCTGTCAGAAGGGAAGAAACTAGGGTTATCTAATCATCATCCTACTGACGGTAACTTCAAAGGCAGAACCGGCTAACTCCGTGCCAGCAGCTGCGGTAATACGGAGGGTGCAAGAGTGAATCGGAATCACTGGGCGTAAAGCGCACGTAGGCTGCTATGTAAGTCAGGCGTGAAATCCCACGGCTCAACCGTGGAACTGCCCTGGATACTGCACGACTTGAATCCTGGAGAGGTTGGCGGAATTCCAGGTGTAGGAGTGAAATCCGTAGATATCTGGAGGAACATCAGTGGCGAAGGCGGCCACCTGGACCGGTATTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6297;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9704),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.5766),f:Bacteroidaceae(0.3884),g:Bacteroides(0.1735);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGCCGCGTGAAGGAAGAATGCCCTATGGGTTGTAAACTGCTTTTTTAAGGGAGTAAAGTCGGGTATGCATACCCGTGTGCGTGTACTTTAGGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGAACCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGATGGTTAAGTCAGTGGTGAAAGTTCGCGGCTCAACCGGAAGACTGCAGTTGATACTGGGTTACTTGAGTGCAGTAGAGGCAGGCGGAATTCGTAGTGTAGCGGTGAAATGCGTAGATATTACGAAGAACACCGATTGCGAAGGCAGCCTGCTAGGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU6298;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Bacilli(0.9812),o:Lactobacillales(0.9730),f:Lactobacillaceae(0.9387),g:Lactobacillus(0.7162);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGACGGGTTTCGGCTCGTAAAACTCTGTTGTTGAAGAAGAACGTACGTGAGAGTAACTGTTCACGCAGTGACGGTATTCAACCAGAACGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTACTTAAGTTTGATGTGAAAGCTGGCTGCTTAACCGAAGAAGTGCATCGGGAACTGGGTGACTTGAGTGCAGAAGAGGACGGTGGAACTCGAGGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCTACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU6299;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9992),c:Epsilonproteobacteria(0.9943),o:Campylobacterales(0.9821),f:Campylobacteraceae(0.9852),g:Campylobacter(0.9799);

ACTTTATTCATCATTATGGAATATTTCTCAATTTTCTAAGGCCTGAAGCAGCAACGCCGCGTGGAGGATGACACTTTTCGGAGCGTAAACTCCTTTTCTTAGGGAAGAAATTTGACGGTACCTAAGGAATAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTACTCGGAATCACTGGGCGTAAAGGACGCGTAGGCGGATTATCAAGTCTTTTGTGAAATCTAATGGCTTAACCATTAAACTGCTTGAGAAACTGATAATCTAGAGTGAGGGAGAGGCAGATGGAATTGGTGGTGTAGGGGTAAAATCCGTAGAGATCACCAAGAATACCCATTGCGAAGGCGATCTGCTAGAACTCAACTGACGCTAATGCGTGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6300;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:"Bacteroidia"(0.4812),o:"Bacteroidales"(0.2359),f:"Prevotellaceae"(0.1098),g:Prevotella(0.0204);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAAGGGAATAAAGTGAGCCTCGTGAGGCTTTTTGCATGTACCTTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGAGGGCAAGTCAGATGTGAAATCCACGGGCTCAACTCGTGAACTGCATTTGAAACTACTCTTCTTGAGTATCGGAGAGGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACCTACTGGGCACCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU6301;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Bacilli(0.9711),o:Lactobacillales(0.8412),f:Lactobacillaceae(0.4914),g:Lactobacillus(0.3043);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTTATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATATAGGTAGTAATTGGCCTTTATTTGCCGGTAATCACCTACAAACTCCCGCCTAACTACGTGCCAGCCGCCCCGTTAATCCGTATGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTGATGTGAAAGCCCTGGGCTTGACCGAGGAACTGCATCGGAAACTGTTTTTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATGACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6302;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Bacilli(0.9321),o:Lactobacillales(0.7995),f:Lactobacillaceae(0.4914),g:Lactobacillus(0.2171);
ACGGGAGGCAGCAGTAGGGGATATTCCACAATGAACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTAGGATTGTAAAGCTCTGTTATTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTTGGCGTAAAGCGAGCGCAGGCTGAAAAAGAAGTCGAATGTGAAATGCCTCGGCTTAACAGAGGAACTGCATCGGAAACTGTTTTTGTCGAGGGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGTAAGAACACCCGTCGAGCAGGCGGATCTATGGTCTGCACCTGAAGCTCACGCTTGCGAGCATCGGTAGCCAGCAGGATTAGATACCCTGGTA
>OTU6303;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9990),c:Betaproteobacteria(0.9755),o:Burkholderiales(0.9172),f:Sutterellaceae(0.8864),g:Sutterella(0.8124);
ACGGGAGGCAGCAGTGGGGAATTTTGGACAATGGGGGCAACCCTGATCCAGCCATGCCGCGTGCAGGATGAAGGTCTTCGGATTGTAAACTGCTTTTGTCAGGGACGTAAAGGACGGTGTTAATACCATAGTCTGCTGACGGTACCTGAAGAATAAGCACCGGCTAACTACGTGCCAGCAGCCGCTGTAATACGTAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGTGCGCAGTGGGTTCTGTAAGACAGATGTGAAATCCCCGGGCTTAACCTTGGAATTGCAGTTGAGACTGGAGGACTAGAGTTCATCAGAGGGGGGTGGAATTCGAAGTGTAGCAGTGAAATGCGTAGATATTTGGAAGAACACCAATGGCGAAGGCAGCCCCCTGGGATGCGACTGACGCTCATGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6304;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Lachnospiraceae(0.6350),g:Clostridium_XlVa(0.4787);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTTTTTCGGTACGTAAAGCTCTATCAGCTGGGAAGAAAATGACGGTACCTGACTAAGGAACCCCGGCTAACTACGTTCCAGCCACCGCCGTAATACGTTGGGGGCCAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGAAGCAAGTCTGAAGTGAAAACCCAGGGCTCAACCCTGGGACTGCATTGGAAACTGTATTGCTAGAGTGTCGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATAACTGACGTTGAGGCGCGAAATCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6307;tax=d:Bacteria(0.0024),p:"Tenericutes"(0.0000),c:Mollicutes(0.0000),o:Acholeplasmatales(0.0000),f:Acholeplasmataceae(0.0000),g:Acholeplasma(0.0000);

CTTTTCTTCTTCCCCTTCCTTTATTCTCACTTATTTCTCATATTCAAACTGGCGCCGAGCGTATGCCGCATGACCTTTCCCATCTTGGCTTCCTTGCTGGTCAGATTGGTCGTCTTAGTACCATTTCAACTACTCCGGTTATCGCTGGCGACTCCTTCGAGATGGACGCCGTTGGCGCTCTCCGTCTTTCTCCATTGCGTCGTGGCCTTGCTATTGACTCTACTGTAGACATTTTTACTTTTTATGTCCCTCATCGTCACGTTTATGGTGAACAGTGGATTAAGTTCATGAAGGATGGTGTTAATGCCACTCCTCTCCCGACTGTTAACACTACTGGTTATATTGACCATGCCGCTTTTCTTGGCACGATTAACCCTGATACCAATAAAATCCCTAAGCATTTGTTTCAGGGTTATTTGAATATCT

>OTU6305;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Eubacteriaceae(0.1679),g:Eubacterium(0.0423);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGGGATGAAGGTCTTCGGATCGTAAACCTCTGTCAGAAGGGAAGAAACTAGGGTGCTCTAATCATCATCCTAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCATGGCAAGTCTGATGTGAAAACCCAGGGCTCAACCTTGGGACTGCATTGGAAACTGTCAAGCTGGAGTGTCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATGACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6306;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9168),c:"Bacteroidia"(0.5579),o:"Bacteroidales"(0.2999),f:"Prevotellaceae"(0.0710),g:Prevotella(0.0157);

ACGAGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGCGTGAGGGAAGACTGCCCTACGGGTTGTAAACCTCTTTTGTTTGGGAATAAAGTGCGGGACGTGTCCCGCATTGCATGTACCATTTGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTGGGCGGAAGTGCAAGTCAGCGGTGAAATCCCCGCGCTCAACGCGGGAGTTGCCGTTGATACTGTACATCTGGAATGCTCTTGCCGTGGGAGGAATGAGTAGTGTAGCGGTGAAATGCATAGATATTACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGTAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU6308;tax=d:Bacteria(0.0076),p:"Bacteroidetes"(0.0032),c:Flavobacteriia(0.0000),o:"Flavobacteriales"(0.0000),f:Flavobacteriaceae(0.0000),g:Myroides(0.0000);

GTGAATCATCGAATCTTTGAATGCACATTGCGCCCCTTGGTATTCCATGGGGCATGCCTGTTCGAGCGTCATTTGTACCTTCAAGCTCTGCTTGGTGTTGGGTGTTTGTCCCGCCTTTGTGCGCGGACTCGCCTTAAAGCAATTGGCAGCCGGCGTATTAGTTTCGGAGCGCAGCACAAATCGCGCTCTGTGTCTTATACGGTAGCATCCATCAAGACTATTTTACACTCTTGACCTCGGATCAGGTAGGGATACCCGCTGAACTTAAGCATATCAATAAGCGGAGGA

>OTU6310;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.7995),f:"Prevotellaceae"(0.4224),g:Prevotella(0.0615);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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GGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGG
GAGCGTAGGCCGTCTGTTAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGTGAGACTT
GAGTGCGCACAAAGTAGGCGGAATTCATGGTGTAGCGGTGAAATGCTTAGATATCATGAAGAACCCCGATTGCGAA
GGCAGCTTACTGGAGTGTAACTGACGCTGAAGCTCGAAAGCGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU6311;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Peptostreptococcaceae(0.5632),g:Clostridium_XI(0.3915);
CCTTTAGGCAGCAGTTTTGACTATTGCACCCTGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCT
TCAGGTCGTAAAGCTCTGTCCTCCAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGTCTAACTACGTGCCAGC
AGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGATTTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTC
AGGAGTGAAAGGCTACGGCTCAAACGTAGTAAGCTCTTGAAACTGGGGAACTTGAGTGCAGGAGAGGAAAGTGGA
ATGCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTAGCGAAGGCGGCTTTCTGGACTGTAACT
GACACTGAGGCACGAAAGCGTGGTGAGCAAACAGGATTAGATACCCTGGTA
>OTU6312;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9913),o:Lactobacillales(0.9707),f:Lactobacillaceae(0.9387),g:Lactobacillus(0.9085);
CCTTTCGGCAGCAGTCTTTCCTCTTCCCCCCTTTCCTCCCTTCTTCTGGCTCAACGCCTCGTGAGTGAAGAAGGTTTTCG
GATCGTACAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAGAAAG
TCACGGCTAACTACGTGCCAGCAGCCGCGGGAATACGTAGGTGGCAAGCGGTGTCCGGATTTATTGGGCGTAAAGC
GAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCCTCGGCTTAACCGATGAACTGCATCGGAAACTGTTTTTCTT
GAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGA
AGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU6309;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Lachnospiraceae(0.1291),g:Clostridium_XlVb(0.0204);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGAAGGT
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CCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGCACGT
CAAGCCAGATGTGAAAGCCCGGGGCTTAACCGAGGAACTGCATCGGAAACTGTTTTTCTTGAGTGCAGAAGAGGAG
AGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACT
GCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU6314;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9671),c:Fusobacteriia(0.9180),o:"Fusobacteriales"(0.8303),f:"Fusobacteriaceae"(0.3884),g:Fusobacterium(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGACCAAACGTCTGATCCAGCAATTCTGTGTGCACGATGACGGT
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CCAGCAGCCGCGGTAATACGTATGTCGCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGCGCGCC
AAGTCAGCGGTCAAAGTTCCGGGCTCAACCCGGTGTCGCCGTTGAAACTGGCGTGCTCGAGTGCGTGCGAGGAAGG
CGGAACTACAAGTGTAGAGGTGAAATTCGTAGATATTTGTAGGAATGACGATGGGGAAGCCAGCCCACTGGACAGA
TACTGACGCTAAAGCGCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU6313;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8897),o:"Bacteroidales"(0.7623),f:"Prevotellaceae"(0.3544),g:Prevotella(0.0615);
AAGGGAGGCAGCAGTGAGGAATAGGGGAAAAGGGGGGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGG
CCCTATGGGTTGTAAACTGCATTTGCACGGGGATAAAGTGCGCCACGTGTGGCGCATTGCAGGTACCGCGCGAATAA
GGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTCATTGGGTTTAAAGG
GAGCGCAGGCCGCCCCTTAAGCGTGGTGTGAAATGCCGCGGCTCAACTGTGGTACTGCAGCGCGAACTGGGGTGCT
TGAGTGCGCGCAGCGCAGGCGGAACTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATCGCGA
AGGCAGCCTGCGGGAGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU6315;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:Sphingobacteriia(0.0726),o:"Sphingobacteriales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Nubsella(0.0056);
ACGGGAGGCAGCAGTTAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGC
CCTATGAGTCGTAAACTTCTTTAGACGCAGAGCAATAAGGGTCGTGTGAGATCCGTTGAGAGTATGCGTAGAATAAG
CATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTAGGTTTAAAGGG
TGCGTAGGCGGAAGTGCAAGTCAGCGGTGAAATCCCCGCGCTCAACGCGGGAGTTGCCGTAGATACTGTACATCTG
GAATGCTGGTGCCGTAAGAGGAAGGAGGAGTGTAGCGGTGAAATGCATAGATATTACTCAGAACACCGATTGCGAA
GGCATCTCACGAAGGGGAGATTGACGCTGAGGCACGAAAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU6316;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Eubacteriaceae(0.0457),g:Acetobacterium(0.0110);
ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGAGGCAACTCTGACGCAGCAATGCCGCGTGAGTGAAGAAGGG
ATTCGTTCCGTAAAGCTCTGTTACCGGGGAAGAGAGAAGACGGTACCCGGTGAGCAAGCCCCAGCCAACTACGTGCC
AGCAGCTGCGGTAATACGTAGGGGGCGAGCGGTATCCGGATTTATTGGGCGTAAAGGGCACGCAGGCGGTTATTCA
GGTGTGATGTTCAAGGGTGGGGCTCAACCCCGCAGGTCATGGCAAACCGGATAACTCGAGTAATGTCGGGGCAGAC
AGAATTCCTGGTGTAGCGGTGAAATGCGCAGAGATCAGGAGGAATACCAGAGGCGAAGGCGGTCTGCCAGGCACTT
ACTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6317;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Bacilli(0.6346),o:Lactobacillales(0.2999),f:Lactobacillaceae(0.1485),g:Lactobacillus(0.0326);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAGGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGG
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AGGGTGCGTAGACGGGGGAACAAGTTAGTTGTGAAAGCCCTCGGCTTAACTGAGGAACTGCAACTAAAACTATGTTT
CTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATCGGTAGGAACACCAGTGG
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>OTU6318;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9638),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5
023),f:"Prevotellaceae"(0.3204),g:Prevotella(0.0712);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAATGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGT
GCGTAGGCTGTGCGTTAAGTCAGGGGTGAAAGTCCGGGGATCAAGGACGGGGCTGCCCTGGACACTGGCGGGCTG
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>OTU6319;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Bacilli(0.7114),o:Lactobacillales(0.4280),f:Lactoba
cillaceae(0.2524),g:Lactobacillus(0.0712);
ACGGGAGGCAGCAGTGGGGAATCTTCCGCAATGGGCGAAAGCCTGACGGAGCAACGCCGCGTGAGTGAAGAAGGT
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GGTA

>OTU6320;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Pepto
streptococcaceae(0.1679),g:Clostridium_XI(0.0423);
GTGTCAGCCGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGAATCACTGGGCGTAAAGGGTGCGTAGGCGGCT
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>OTU6322;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Rumin
ococcaceae(0.0457),g:Oscillibacter(0.0110);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGACGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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cillaceae(0.9201),g:Lactobacillus(0.5720);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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AGCGAGCGCAGGCGGTTACTTAAGTCTGATGTGAAAGCCTTCGGCTTAACCGAAGAAGTGCATCGGAAACTGGGTG
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>OTU6323;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.4311),c:"Bacteroidia"(0.2321),o:"Bacteroidales"(0.1
015),f:Prolixibacteraceae(0.0252),g:Sunxiuqinia(0.0076);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATAGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGAATAAGGC
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>OTU6324;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Lachn
ospiraceae(0.1872),g:Coprococcus(0.0423);
ACGGGAGGCAGCAGTCGGGAATATTGCGCAATGGAGGAAACTCTGACGCAGTGACGCCGCGTGCAGGAAGAAGGT
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>OTU6325;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Gracilibacteraceae(0.1485),g:Gracilibacter(0.0204);
ACGGGAGGCAGCAGTAGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCCTTGGGGACGAAGTAAGTGACGGTACCCAAGGAGGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGTATATTAAGTCAGATGTGAAATACCCGTGCTTAACATGGGGGGTGCAACTGAAACTGGTAAACTTGAGTGCAGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTAACTGACGCTGAGGCACGAAAGCGTGGGGGGCAAACAGGATTAGATACCCTGGTA
>OTU6326;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9867),c:Cytophagia(0.9726),o:Cytophagales(0.8955),f:Cytophagaceae(0.7787),g:Hymenobacter(0.5239);
GTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTGTCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGCCCGTTAAGTCCGGGGTGAAAGCCCACTGCTCAACAGTGGAACTGCCCTGGATACTGGCGGGCTTGAGTCCAGACGAGGTTGGCGGAATGGAAGGTGTAGCGGTGAAATGCATAGATACCTTCCAGAACCCCGATTGCGTAGGCAGCTGACTAGGCTGGTACTGACGCTGAGGCACGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTAGTCCACGCCGTAAACGTTGGGCACTAGGTGTGGGTCTCAACCAACGGGATCCGCGCCGTCGCTAACGCATTAAGTGCCCCGCCTGGGGAGTACGGCCGCAAGGTTAAAACTCAAAGGAATTGACGGGG
>OTU6328;tax=d:Bacteria(1.0000),p:Firmicutes(0.9994),c:Bacilli(0.9897),o:Lactobacillales(0.9389),f:Lactobacillaceae(0.8505),g:Lactobacillus(0.6681);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGTAACGCCGCGTGAGTGAAGAAGGGTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGTGGTAGTAACTGGCCTTTCTTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGTCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGGGTAAAGCGAGCGCAGGCGGAAAGATAAGTCAAGTGTGAAAGCGTGCGGCTCAACCGAGGAACTGCATCGGAAACTGTCTTTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU6327;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Clostridiales_Incertae_Sedis_XIII(0.1485),g:Anaerovorax(0.0230);
AAGGGAGGAAGAAGGGGGGAAGAGGGAAAAAGGGGAGAAAGCCTGATGCAGCAACGCCGCGTGAGCGAAGAAGGTCTTCGGATCGTAAAGCTCTGTCCTTGGGGAAGATAATGACGGTACCCTTGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTGCGTAGGTGGTTACCTAAGCAGGGGGTGAAAGGCAATGGCTCAACCATTGTTAGCCCCCTGAACTGGGCTACTTGAGTGCAGGAGAGGAAAGCGGAACTCCTAGTGTAGCGGCGAAATGCGTAGATATTAGGAGGAACACCAGCGGCGAAGGCGGCTTTCTGGACTGTTACTGACACTGAGGCACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6329;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9726),o:Clostridiales(0.8737),f:Peptostreptococcaceae(0.3204),g:Clostridium_XI(0.0904);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGAGGTGAAAGGCTACGGCTCAACCGTAGTAAGCCTTTGAAAATGGGAAAATTGAGGGCAGGATAGGTGGGTGGAGTTCCTAGTTGTGCGGTGAAATGCGTAGATATTAGGGGGAACACCAGTTGCGAAGGCGGCTCTCTTGAATGTTACTGACACTGGGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6330;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Clostridiaceae_1(0.2184),g:Clostridium_sensu_stricto(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGAGGGCAAGTCAGATGTGAAATCCACGGGCTCAACTCGTGAACTGCATTTGAAACTACTCTTCTTGAGTATCGGAGAGGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGTAGGAACACCAGTGGAGAAGCCGGATTGATGGACGTCCCCTGAAGGTGGGGCGCGAGAGCGTCGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6331;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Lachnospiraceae(0.4563),g:Coprococcus(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCACCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTATCCGGATTTATTGGGTGTAAAGGGTGCGTAGACGGGATAGTAAGTTAGTTGTGAAATCCCTCGGCTTAACTGAGGAACTGCAACTAAAACTGTTATTCTTGAGTACTGGAGAGGAAAGTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTGGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6332;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Clostridiaceae_1(0.6350),g:Clostridium_sensu_stricto(0.4351);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGTCTTCGGATCGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGCGGAAGAAGCCACGGCTAACTACGTGCCAGTAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGAAGTTTAAGTGAGATGTGAAATACCTAGGCTCAACCCGGGGGCTGCATTTCAAACTGTACGGCTAGAGTGTAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATCAGGAAGAACACCAGTGGCGAAGGCGACTTTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6334;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9882),o:Lactobacillales(0.9280),f:Lactobacillaceae(0.8505),g:Lactobacillus(0.5720);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGATTTCGGATCGTAAATCTCTATTGTTAGTGAAGAAGGAGAGGGGTCGTAACTGGCCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACTAAGGTGGCAAGCGTGGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTAAAGTGAAAGCCCTCGGCTCAACCGAGGAACTGCATCGGAAACTGTTCTTCTTGAGTGCAGGAGAGGTGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATAAGGAAGAACACCAGTGGCGAAGGCGGCTCACTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU6335;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:Flavobacteriia(0.9820),o:"Flavobacteriales"(0.9821),f:Flavobacteriaceae(0.9759),g:Flavobacterium(0.7643);
GTGTCAGCCGCCGCGGTAATACGGAGGATCCAAGCGTTATCCGGAATCATTGGGTTTAAAGGGTCCGTAGGCGGTTTAATAAGTCAGTGGTGAAATCTGGTCGCTCAACGATCAAACGGCCATTGATACTGTTAAACTTGAATTATTGTGAAGTAACTAGAATATGTAGTGTAGCGGTGAAATGCTTAGATATTACATGGAATACCAATTGCGAAGGCAGGTTACTAACAATATATTGACGCTGATGGACGAAAGCGTGGGGAGCGAAGAGGATTAGATACCCTGGTAGTCCACGCCGTAAACGATGGATACTAGCTGTTGGGCGCAAGTTCAGTGGCTAAGCGAAAGTGATAAGTATCCCACCTGGGGAGTACGTTCGCAAGAATGAAACTCAAAGGAATTGACGGGG
>OTU6336;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Bacilli(0.9038),o:Lactobacillales(0.7995),f:Lactobacillaceae(0.4224),g:Lactobacillus(0.0808);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAAATGTTCACGCAGTGACGGTATCCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGTTAATACGTAGGTGGCACGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTCGATTAGGTCTGGAGTGAAAGCCGTGGGCTCAAGGTAAGAAGTGCATTGGAAACCGGGTGGCTTGAGTGCAGAAGAGGAAAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATAGGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCCGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU6333;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8189),o:Clostridiales(0.5023),f:Clostridiaceae_1(0.1872),g:Clostridium_sensu_stricto(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCGGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTTGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGCGTGTAGGCGGCAGTATAAGTCCGGAGTGAAAGTCCTGCTTTCAAGGTGTGAATTGCTTTGGAGACTGTACAGCTTGAGTGCGGAAGAGGTAAGTG

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dales(0.0063),f:Armatimonadaceae(0.0019),g:Armatimonas/Armatimonadetes_gp1(0.0018);
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onadales(0.1483),f:Geobacteraceae(0.0560),g:Geothermobacter(0.0110);
GTGTCAGCAGCCGCGGTAATACGTAGGGTGCTAGCGTTGTTCGGAATCATTGGGCGTAAAGCGCGTGTAGGTGGTT
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lales(0.1483),f:Rhodospirillaceae(0.0560),g:Azospirillum(0.0087);
GTGCCAGCAGCCGCGGTAAGACGAAGGGGGCTAGCGTTGTTCGGAATTACTGGGCGTAAAGCGAGTGTAGGTGGTT
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>OTU6341;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8628),c:"Bacteroidia"(0.5579),o:"Bacteroidales"(0.2
999),f:"Prevotellaceae"(0.0355),g:Prevotella(0.0087);
CCTTCCGGCCTCCTTTCGGCCTCTTTTTCCCTGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGTGGGACGAATGCCCT
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>OTU6343;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9180),o:"Bacteroidales"(0.8
303),f:"Prevotellaceae"(0.5273),g:Prevotella(0.1299);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGCAGCGTGCAGGATGACGGC
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>OTU6342;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9441),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3
319),f:"Porphyromonadaceae"(0.1291),g:Odoribacter(0.0230);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGCCGGAAGGCTGAACCAGCCAAGTCGCGTGAGGGAAGACTGC
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>OTU6344;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.4311),c:"Bacteroidia"(0.0726),o:"Bacteroidales"(0.0
473),f:"Rikenellaceae"(0.0099),g:Alistipes(0.0046);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGACGGAATACGGC
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,f:Cytophagaceae(0.0710),g:Siphonobacter(0.0087);
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ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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>OTU6404;tax=d:Bacteria(0.0041),p:Firmicutes(0.0000),c:Bacilli(0.0000),o:Lactobacillales(0.0000),f:Lactobacillaceae(0.0000),g:Pediococcus(0.0000);
AGGTGAAACTAAAGGTTCATACTTAAACATCACTGCTGGTCCAATGGAAGAAGTGTATGCTCGTGCAGAATACGCTAAAAGCGTTGGTTCTATCGTTGTTATGATCGATTTAGTTATGGGCTACACAGCAATTCAAAGTGCTGCAATCTGGTCTCGTCAAAACGACATGCTTTTACATTTACACCGTGCTGGTAACTCTGCTTACGCTCGTCAAAAAAATCATGGTATCAACTTCCGTGTTATTTGTAAATGGATGCGTATGTCTGGTGTAGATCATATCCACGCTGGTACAGTTGTTGGTAAATTAGAAGG
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ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGTCTTCGGATTGTAAAGCTCTGTCTTTGGGGACGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTCTTAAGTGGGATGTGAAATACCCGGGCTTAACCTGGGTGCTGCATTCTAAACTGATAGACTAGAGTATTGCAGGGGGAGACGGAATTCCAGGTGTAGCGGTGGAATGCGTAGATATCTGGAAGAACACCAAAGGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6403;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.6138),f:Bacteroidaceae(0.1872),g:Bacteroides(0.0519);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGTCCTACGGATTGTAAACCTCTTTTGTCGGGGAGTAACGTGCGGGACGCGTCCCGTATTGAGAGTACCCGAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGCCTTTTAAGTCAGCGGTGAAAGTCTGTGGCCAAACCATAGAATTGCCGTTGAAACTGGGAGGCTTGAGTACAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU6406;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.9606),f:Bacteroidaceae(0.9015),g:Bacteroides(0.8605);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCATGTAGCGTGAAGGATGACTGC
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>OTU6405;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9168),c:Epsilonproteobacteria(0.7881),o:Campylob
acterales(0.5023),f:Campylobacteraceae(0.3204),g:Campylobacter(0.0904);
ACGGGAGGCAGCAGTAGGGAATATTGCGCAATGGGGGAAACCCTGACGCAGCAACGCCGCGTGGAGGATGACACT
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389),f:"Prevotellaceae"(0.4914),g:Prevotella(0.3043);
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onadales(0.0000),f:Shewanellaceae(0.0000),g:Shewanella(0.0000);
AGGTGAAGTTAAAGGTTCTTACTTAAACATTACTGCAGGTCCAATGGAAGAAGTGTACAAACGTGCTGAGTATGCTA
AAGCTGTTGGTTCAGTAATTGTGATGATCGATTTAGTAATGGGTTACACAGCAATTCAAAGTGCTGCTATCTGGTCTC
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acteriales"(0.7623),f:Enterobacteriaceae(0.5632),g:Escherichia/Shigella(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGCGCAAGCCTGATCCAGCAATGCCGCGTGTGTGAAGAAGGC
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>OTU6410;tax=d:Bacteria(0.0041),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Clostridiales(0.0000),f:Clostri
diales_Incertae_Sedis_III(0.0000),g:Thermoanaerobacterium(0.0000);

CTTCTCTCTCTTCTCCCTTCTCTTTCGCCTTTTCTCCTTTTCCGCCAGCAGTCCACTTCGATTTAATTCGTAAACAAGCAGT
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>OTU6409;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9704),c:"Bacteroidia"(0.3483),o:"Bacteroidales"(0.1
483),f:"Prevotellaceae"(0.0457),g:Prevotella(0.0110);

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>OTU6412;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Pepto
streptococcaceae(0.2524),g:Clostridium_XI(0.0712);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
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>OTU6413;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Clostri
diaceae_1(0.1872),g:Clostridium_sensu_stricto(0.0326);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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diaceae_1(0.5632),g:Clostridium_sensu_stricto(0.3915);
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diaceae_1(0.1291),g:Clostridium_sensu_stricto(0.0230);
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>OTU6416;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Clostri
diaceae_1(0.5273),g:Clostridium_sensu_stricto(0.2607);
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>OTU6420;tax=d:Bacteria(0.0041),p:"Spirochaetes"(0.0000),c:Spirochaetia(0.0000),o:Spirochaetales(0.000
0),f:Leptospiraceae(0.0000),g:Leptospira(0.0000);
ATAATAAGCACTGACGGCAGCCATACACTCAACAGGAGCAGGAAAGCGAGGCTATCCTACACAGTCCATCGTACCAT
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>OTU6417;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9882),o:Lactobacillales(0.9497),f:Lactobacillaceae(0.8864),g:Lactobacillus(0.6200);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAAAACCGAGTGAGTGAAGAAGGGTTTCTGCTCGTAAAACTCTGTTGTTGAAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATTCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGAGCGTAAAGCGAGCGCAGGCGGTGTTCTAAGTCTGATGTGAAAGCCTTCGGCTTAACCGGAGAAGTGCATCGGAAACTGGATAACTTGAGTGCAAGAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGGGGAGAAGGGGGATCTCCAGCCTGTAACTGCAGCTCAGGCTTCAAAGCATGGGGAGCCAACAGGATTAGATACCCTGGTA

>OTU6418;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Ruminococcaceae(0.0252),g:Clostridium_III(0.0076);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGTAAACTTCTTTTACTAGGGAGGAAGAAAGTGACGGTAATTGGCGAAAAAGTTACGGTTAACTACGTGCAAGCAGCCGCGGCAATACGTAGGTGGCAAGCGTTGTCTGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGTTAATTAAGTTGGATGTGAAATTCCCGGACTTAACTTGGGAACTGCATTCAAAACTGGTTGACTAGAGTTCAGGAGAGGGAGGCGGAATTCCTTGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGATGGCGAAGGCGTCTTTCTGGACTGACACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6419;tax=d:Archaea(0.0014),p:"Euryarchaeota"(0.0000),c:"Methanomicrobia"(0.0000),o:Methanomicrobiales(0.0000),f:Methanomicrobiaceae(0.0000),g:Methanomicrobium(0.0000);
TTTGCGTTCTGCTTCAATATCTGGTTGAACGTCGTCGCGTCGTCACCCAGCTTGGTCAGTTGGATTAAGCACTCCGTGGACAGATTTGTCATTGTGAGCATTTTCATCCCGAAGTTGCGGCTCATTCTGATTCTGAACAGCTTCTTGGGAAGTAGCGACAGCTTGGTTTTTAGTGAGTTGTTCCATTCTTTAGCTCCTAGACCTTTAGCAGCAAGGTCCATATCTGACTTTTTGTTAACGTATTTAGCCACATAGAAACCAACAGCCATATAACTGGTAGCTTTAAGAGGCGAAACGTTAGCAGCAACAGGCCACAAACAACCAGAACGTGAAAAAGCGTCCTGCGTGGAGCGAACGGCGATGGGCA

>OTU6422;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9762),o:Clostridiales(0.9497),f:Peptostreptococcaceae(0.4914),g:Clostridium_XI(0.3043);
ACGGGAGGCAGCAGTGGGAAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCTCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGATGTACTGGGCGTAAAGGGTGCGTAGGCGGTCTTTTAAGTCAGAAGTGAAAGGCTACGTCTTAACCGTAGTTAGCTATTGAAACTGGAGGACTTGAGTGCAGGAGAGGAGAGTGGAATTCCGAGTGTAGCGGTGAAAGGCGTAGATATTAGGAGGAACACCAGTAACGAAGGCGGCTCTCTGGACTGTAACTGACGCTGAGGCACGAAAGCGTAGGGAGCAGACAGGATTAGATACCCTGGTA

>OTU6424;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Ruminococcaceae(0.1291),g:Clostridium_III(0.0230);

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>OTU6421;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8628),c:"Bacteroidia"(0.2902),o:"Bacteroidales"(0.1249),f:Bacteroidaceae(0.0355),g:Bacteroides(0.0087);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACTGCCCTATGGGTTGTAAACCTCTTTTGGCGGGGGGTAAAGAGCGGTACGTGTACAGTATTGCAGGTACGCGACGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGCTTGCTAAGTCCGGGGTGAAATCCCGGGGCTTAACCCCGGAACTGCCGTTGATACTGGTAGTCTTGAGTGCGGATGAGGTGGGAGGAATGTGTCGTGTAGCGGTGAAATGCTTAGATATGACTCAGAACACCGATTGCGAAGGCAGCTGTCGGGGCCGTGACTGACGCTGAGGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU6423;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Bacilli(0.6346),o:Lactobacillales(0.3639),f:Lactobacillaceae(0.1872),g:Lactobacillus(0.0519);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGTGCAAGCAGTTCAATAAGTCTGATGTGAAAGCCTTCGGCTCAACCGGAGAATTGCATCAGAAACTGTTGAACTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTTGCTGGACAAATACTGACGCTGAGGTGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU6426;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9887),o:Lactobacillales(0.9938),f:Lactobacillaceae(0.8864),g:Lactobacillus(0.5720);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGTGTTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCAGAAAGTCACGTCTAACTACTTGCCCGCAGCCTCTGTGATACTTCGGTGTCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTGCTTAGGTCTGATGTGAAAGCCTTAGGCTTAACCGAAGAAGTGCATCGGAAACCGGGCAACTTGAGTGCAGAAGAGGAAAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGAAACTGACGCTGAGGCTCGAAAGCATGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU6425;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9733),o:Clostridiales(0.8955),f:Clostridiaceae_1(0.6350),g:Clostridium_sensu_stricto(0.3479);
ACGGGAGGCAGCAGTGGGGAATATTGCATAATGGGGGAAACCCTGATGCAACAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGTCGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTTCGGAATTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAAGTGAGATGTGAAATACCCGGGCTCAACCTGGGTGCTGCATTTAAAACTGGAAGTCTAGAGTACAGTAGAGGAGGATGGAATTCCTTGTGTAGCGGTGAAATGCGTAGAGATTTGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGAATGTCACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
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>OTU6427;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Bacilli(0.9604),o:Lactobacillales(0.8412),f:Lactobacillaceae(0.5991),g:Lactobacillus(0.2171);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGGTAGTGAAGAAAGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATTACTTAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTACTGGGAGTAAAGCGAGCGCAGGCGGAATGATGAATCTGATGTAAAAGCCCACGGCTAAAGCGTGGAACTGCATCGGAAACTATCATTCTTGAGTGCAGAAGGGGAGAGTGCAACTCCATGTGTAGCGGTGGAATGCGTAGATATATAGAAGAACACCAGTGGCGAAGGAGGATCTCTAGTCTGCAACTAAAGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
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diaceae_1(0.8864),g:Clostridium_sensu_stricto(0.6200);
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,f:Cytophagaceae(0.3204),g:Leadbetterella(0.0423);
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319),f:"Porphyromonadaceae"(0.1098),g:Barnesiella(0.0157);
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ospiraceae(0.0355),g:Clostridium_XlVb(0.0087);
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cillaceae(0.7787),g:Lactobacillus(0.3479);
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acteriales"(0.8303),f:Enterobacteriaceae(0.6350),g:Escherichia/Shigella(0.1735);
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ococcaceae(0.1872),g:Intestinimonas(0.0181);
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acteriales"(0.8737),f:Enterobacteriaceae(0.7787),g:Escherichia/Shigella(0.3479);
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319),f:"Porphyromonadaceae"(0.1679),g:Barnesiella(0.0204);
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319),f:"Porphyromonadaceae"(0.1485),g:Barnesiella(0.0204);
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diaceae_1(0.7787),g:Clostridium_sensu_stricto(0.5720);
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ospiraceae(0.1872),g:Ruminococcus2(0.0519);
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395),f:Bacteroidaceae(0.2184),g:Bacteroides(0.0615);
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diaceae_1(0.4224),g:Clostridium_sensu_stricto(0.2171);
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diaceae_1(0.7428),g:Clostridium_sensu_stricto(0.5239);
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cillaceae(0.9015),g:Lactobacillus(0.6200);
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AGTTCAATGTGAAATCTATGGGCTCAACCCATAAATTGCGTTGGATACTGCAGTTCTTGAGTGGAGTAGAGGCAGGC
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ACGGGAGGCAGCAGTGGGGGATATTGGACAATGGGGGCAACCCTGATCCAGCGACGCCGCGTGAGGGAAGAAGGT
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GAATTCCTGGTGTAGCGGTGAAATGCGTAGAGATCAGGAAGAACACCGGTGGCGAAGGCGGCCTGCTGAACGGTA
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>OTU6509;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9851),o:"Bacteroidales"(0.9
934),f:Bacteroidaceae(0.5991),g:Bacteroides(0.4351);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGATGACGGC
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685),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);
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>OTU6513;tax=d:Archaea(0.0024),p:"Euryarchaeota"(0.0000),c:Methanobacteria(0.0000),o:Methanobacte
riales(0.0000),f:Methanobacteriaceae(0.0000),g:Methanobrevibacter(0.0000);
AACTAACCCTGCAACAACTGCTTAGGGATTTTCTTGGTATCAGGGTTCATCGTGCCAAGAAAAGCGGCATGGTCACTC
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TTAATCCAACTTACCAAGCTGGGTTACGACGCGACGCCGTTCCACCAGATATTGAAGCAGATCGCAAAAAGAGAGAT
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039),f:Bacteroidaceae(0.0355),g:Bacteroides(0.0087);
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ococcaceae(0.1485),g:Ruminococcus(0.0326);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGATGCAGCAATGCCGCGTGAACGATGAAGGT
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>OTU6517;tax=d:Bacteria(0.0041),p:"Actinobacteria"(0.0000),c:Actinobacteria(0.0000),o:Bifidobacteriales(0.0000),f:Bifidobacteriaceae(0.0000),g:Bifidobacterium(0.0000);

GTGAATCATCGAATCTTTGAACGCAAGTTGCGCCCCAAGCCTTCTGGCCGAGGGCACGTCTGCCTGGGTGTCACAAATCGTCGTCCCCCCATCCTCTCGAGGATATGGGACGGAAGCTGATCTCCCGTGTGTTACCGCACGCGGTTGGCCAAAATCCAAGCTAAGGACGTCAGGAGCGTCTTGACATGCGGTGGTGAATTTAATTCTCGTCATATAGTCAGACGTTCCGGTCCAAAATCTCTTGATGACCCAAAGTCCTAAACGCGACCCCAGGTCAGGCGGGATCACCCGCTGAGTTTAAGCATATCAATAAGCGGAGGA

>OTU6514;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Bacilli(0.9719),o:Lactobacillales(0.8737),f:Lactobacillaceae(0.6350),g:Lactobacillus(0.2607);

ACGGGAGGCGGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACATAGCGTGAGTGAAGAAGGGTCTCGGCTCGTAAAGCTCCGTTGTTGGAGGAGTACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCAGAAAGTCACGGCTAATTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGGGAGCGCAGGCGGTTGCTTAGGTCTGATGTGAAAGCCTTCGGCTTAACCAAGGAAATGCATCGAAAACCGGGCGACTTGGTTGCGGAAGAGAACGGTGAAACTCCATGTTTGGCGGTGAAATGCGTAGATATATGGAAGAACCCCAGTGGCGAAGGCGGCTGTCTTATCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU6516;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9908),o:Lactobacillales(0.9775),f:Lactobacillaceae(0.9387),g:Lactobacillus(0.7643);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCTGCTCGTAAAGCTCTGTTGTTAGAGAAGAACGTGCGTGAGAGCAACTGTTCACGCAGTGACGGTATCTAACCAGAAGGTCACGGCTAACTCCGTGCCACCAGCCGCGGTAATACGTGGGTGGCAAGCTTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTGATAAGTCAGATGTGAAAGACTGTGGCTTAACAAAAGAAGTGCATCGGAAACTGTCAGACTTGAGTGCAGAAGAGGACAGTGGAACGCAATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU6515;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Ruminococcaceae(0.4563),g:Intestinimonas(0.0230);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTGTCAGGGACGAAACAAATGACGGTACCTGACGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGGGTAGGCGGGAGTGCAAGTCAGATGTGAAAATTATGGGCTCAACCCATAACCGGCATTGGAAACGGTACTTCTGAAGTCGTGGGAAGGAAGCCGGATTCCCGGGGGTACCGGTGAAAGGCGTAGAAATACGGAGGAACACCATTGCGGAGGCCGCCCTGCTGGACAGAAACGGACGCTGAGCAGCAAAAGGGTGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6520;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Bacilli(0.6346),o:Lactobacillales(0.3639),f:Lactobacillaceae(0.1872),g:Lactobacillus(0.0519);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGAAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCCGCTGTTCAAGCGTGTCGTGAAATGCTGTTGCTCAACGATCGCACTGCAGCGCGAACTGTCCGGCTTGAGTCAATTGGAAGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTAAGCTGCAACTAACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU6519;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Bacilli(0.9604),o:Lactobacillales(0.7995),f:Lactobacillaceae(0.4563),g:Lactobacillus(0.1299);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTCTTCGGATCGTAAAACTCTGTTGTTAGAGAAGAACACGAGTGAGAGTAACTGTTCATTCGATGACGGTATCTAACCAGCAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTACTACGTAGCTGGCAAGCGTGGTCCGGATTTATTGGGCGTAAAGGGAACGCAGGCGGGACAATAAGTCAGATGTGAAAGCCCCGGGCTTAACCCGGGAACTGCATCGGAAACTGTTTTTCTTGAGTATAGAAGAGGAGAGTGGAACTCCAAGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTTGCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU6518;tax=d:Bacteria(1.0000),p:Firmicutes(0.9994),c:Bacilli(0.9897),o:Lactobacillales(0.9497),f:Lactobacillaceae(0.9015),g:Lactobacillus(0.6681);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACTCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGCAGGATAGAGGTAGTAACTGGCCTCTATTTGACGGTAATCAACCAGAAAGTCACGTCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTCGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCGGTGGCTTAACGGAGGAACTGCATAGGAAACTGAGTTTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCACGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGGGAGGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGAGTAGATACCCTGGTA

>OTU6521;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Lachnospiraceae(0.2524),g:Roseburia(0.0423);

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>OTU6523;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8
520),f:Bacteroidaceae(0.4563),g:Bacteroides(0.2607);
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cillaceae(0.1872),g:Lactobacillus(0.0519);
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ospiraceae(0.0252),g:Clostridium_XlVa(0.0076);
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509),f:"Prevotellaceae"(0.1872),g:Alloprevotella(0.0519);
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509),f:"Prevotellaceae"(0.3204),g:Prevotella(0.0519);
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497),f:"Prevotellaceae"(0.9015),g:Prevotella(0.6681);
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0.9911),f:Actinomycetaceae(0.9868),g:Actinomyces(0.9818);
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999),f:Bacteroidaceae(0.1485),g:Bacteroides(0.0326);
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138),f:Bacteroidaceae(0.2184),g:Bacteroides(0.0615);
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497),f:"Prevotellaceae"(0.8146),g:Prevotella(0.4351);
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685),f:"Prevotellaceae"(0.9294),g:Prevotella(0.6200);
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cillaceae(0.9015),g:Lactobacillus(0.7162);
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395),f:"Porphyromonadaceae"(0.2864),g:Barnesiella(0.0423);
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cillaceae(0.9108),g:Lactobacillus(0.6681);
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639),f:"Prevotellaceae"(0.1291),g:Prevotella(0.0181);
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023),f:"Porphyromonadaceae"(0.1679),g:Barnesiella(0.0423);
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798),f:Bacteroidaceae(0.9294),g:Bacteroides(0.9686);
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ococcaceae(0.1872),g:Anaerotruncus(0.0204);
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ospiraceae(0.0252),g:Clostridium_XlVa(0.0076);
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ospiraceae(0.2864),g:Clostridium_XlVa(0.0615);
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623),f:Bacteroidaceae(0.2524),g:Bacteroides(0.0712);
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395),f:"Porphyromonadaceae"(0.2864),g:Odoribacter(0.0808);
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015),f:"Porphyromonadaceae"(0.0355),g:Barnesiella(0.0087);
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719),f:"Porphyromonadaceae"(0.0710),g:Barnesiella(0.0110);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCACGCCGCGTGAAGGACTAAGGC
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GAGTGCTCCAGAGGAGGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACACCGATTGCGA
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>OTU6563;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Bacilli(0.9038),o:Lactobacillales(0.7252),f:Lactoba
cillaceae(0.5273),g:Lactobacillus(0.3043);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGAAGAAGGT
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>OTU6564;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9441),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3
319),f:"Porphyromonadaceae"(0.1098),g:Barnesiella(0.0204);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGATGACGGT
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CATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGG
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>OTU6562;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Eubac
teriaceae(0.2184),g:Eubacterium(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCAACGCCGCGTGGAGGAAGACGGT
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>OTU6567;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8897),o:"Bacteroidales"(0.7
623),f:"Prevotellaceae"(0.4224),g:Prevotella(0.0712);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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>OTU6568;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.5174),c:"Bacteroidia"(0.0626),o:"Bacteroidales"(0.0
413),f:"Porphyromonadaceae"(0.0099),g:Coprobacter(0.0046);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGACGGAAGACGGC
CCTATGGGTCTTAAACGCCTTTGGTCCCGGAGCAATAAGCGCCACGCGTGGCGCGATGAGCGTCCGGGAAGAACAA
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GGAGTGCGGATGCGGTGGGAGGAATGTGTGGTGTAGCGGTGAAATGCATAGATATCAGAAGGAACACCGGTTGCG
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>OTU6565;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:"Bacteroidia"(0.0626),o:"Bacteroidales"(0.0
413),f:Marinilabiliaceae(0.0099),g:Mangroviflexus(0.0046);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGAAGGT
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CAGCTAGCGAGGATACGACTGACGCTGAAGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
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acteriales"(0.8520),f:Enterobacteriaceae(0.7068),g:Escherichia/Shigella(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGTCTAATGCAGCCATGCCGCGTGTATGAAGAAGGCC
TTCGGGTTGTAAGGTACTTTCTGCGGGGAGGAAGGGAGTAAAGCTAATACCTTTGCTTATTGACGTTACCCGCAGAA
GAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGGTGCATGCGTAAATCGGATTTACTGGGCGTA
AAGCGCACGCAGGCGGTGTGTTAAGTCAGATGTGAAATCCCCGGGCTCAACCTGGGAACTGCAGCTGATACTGGCA
AGCTTGAGTCTCGTAGAGGGGGGTAGAATTCCAGGCGTAGCGGTGAAATGCGTAGAGATCTGGAAGAATACCGATG
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>OTU6569;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.4311),c:Actinobacteria(0.2321),o:Actinomycetales(
0.1015),f:Streptomycetaceae(0.0355),g:Streptomyces(0.0087);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGGAACCCTGATGCAGCGACGCCGCGTGGGCGAGGGAGC
GCCTCGGCGCGTAAAGCCCTTTCGGCGGGGGAGAACGATGACGGTACCCGACGAAGAAGCACCGGCTAAATACGTG
CCAGCAGCCGCGGTAATACGTATGGTGCGAGCGTTGTCCGGATTTACTGGGCGTGAAGGGGGCGCAGGCGGCGCGC
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AGGCGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATCAGGAGGAACACCGGTGGCGAAGGCGGCCTGCTGGA
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>OTU6571;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Lachn
ospiraceae(0.3544),g:Clostridium_XlVa(0.0808);
ACGGGAGGCAGCAGTGGGGGGTATTGCACAATGGGGGGAACCCTGATGCAGCAACGCCGCGTGGGTGAAGGAGTA
CCCCGGTACGTAAAGCCCTATCGGCAGGGAAGAAGATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCA
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AGTCTGGAGTGAAAGCCCGGGGCTCAACCCCGGGACTGCTTTGGAAACTGCATAGCTGGAGTGCTGGAGAGGCAAG
CGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTGCTGGACAGT
AACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6570;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.7114),o:Clostridiales(0.3959),f:Rumin
ococcaceae(0.1872),g:Intestinimonas(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAAGGATGAAGGT
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CAAGTCAGATGTGAAAATTATGGGCTCAACCCATAACCTGCATTTGAAACTGATTTTCTCGAGTATGGGAGAGGGAA
ATGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGTTTACTGGACCA
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>OTU6572;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Lachn
ospiraceae(0.6709),g:Blautia(0.3915);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATACAGCGACGCCGCGTGACTGAAGAAGTA
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>OTU6573;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.8267),c:Spirochaetia(0.5963),o:Spirochaetales(0.331
9),f:Spirochaetaceae(0.1679),g:Sphaerochaeta(0.0110);
ACGGGAGGCAGCAGCTAAGAATCTTCCACAATGGACGGAAGTCTGATGGAGCGACGCCGCGTGGACGATGAAGGC
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652),f:Thermotogaceae(0.2864),g:Kosmotoga(0.0110);
CAGCAGCCGCGGTAATACGTAGGGGGTGAGCGTTACCCGGAATCACTGGGCGTAAAGGGAGCGTAGGTGGCCTGA
CATGTCGACTGTGAAAACCCGGAGCTCAACTCCGGACTTGCAGTTGAAACTGCCAGGCTTGAGGACGGTAGAGGAA
GACGGAACTGCCAGTGTAGGGGTAAAATCCTTAGATGTTGGCAGGAACGCCGGTGACGAAGGTGGTTTTCTGGGCC
GGTTCTGACACTGATGCTCGAAAGCCAGGGGAGCGAACGGGATTAGATACCCGTGTAGTCC
>OTU6574;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Lachn
ospiraceae(0.2184),g:Parasporobacterium(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGTGGGAAACCCTGATGCAGCGACGCCGCGTGACTGAAGAAGTA
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>OTU6577;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8448),c:"Bacteroidia"(0.4428),o:"Bacteroidales"(0.2
039),f:"Porphyromonadaceae"(0.0560),g:Barnesiella(0.0087);
CCTTCAGGCAGCAGTTCTTCCTCTTTTTCCATTTTCTCTAGCCTGAACCAGCCAAGTAGCGTGAAGGAAGAAGGCGCC
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>OTU6578;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9507),c:"Bacteroidia"(0.7114),o:"Bacteroidales"(0.4
280),f:"Porphyromonadaceae"(0.2184),g:Barnesiella(0.0230);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTCGCGTGAGGGATGACGGT
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>OTU6576;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Bacilli(0.8331),o:Lactobacillales(0.5766),f:Lactobacillaceae(0.3884),g:Lactobacillus(0.1735);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGGTTTCGGCTCGTAAACCTCTGTCCTATGGGACGAAGGAAGTGACGGTACCATAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGATTGGGCGTAAAGCGAGTGCAGGCGGTTCAATAAGTCTGATGTGAAAGCCTTCGGCTCAACCGGAGAATTGCATCAGAAACTGTTGAACTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6579;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9441),c:"Bacteroidia"(0.7114),o:"Bacteroidales"(0.4280),f:"Porphyromonadaceae"(0.2524),g:Barnesiella(0.0230);
AAGGGAGGAAGAAGGGAGGAAGAGGGGGAAAGGGAAGGGAGGGTGAACCAGCCAAGTCGCGTGAGGGAAGACGGCCCTACTGTTTGTAAACCTCTTTTGTCAGGGAGCAAGGGGCAGGTCGTGTCCTGTTGTGAGAGTACCGTAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGATGTTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGAGGCACAAGTCAGCGGTAAAATCGCGGGGCTCAACCCCGCTCCGCCGTTGAAACTGTGTCCCTTGAGTGCGCGAAGGGTAGGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACTCCGATCGCGAAGGCAGCCTACCGGCGCGCGACTGACGCTCATGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU6580;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9638),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.5766),f:"Porphyromonadaceae"(0.2184),g:Barnesiella(0.0519);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTCGCGTGAGGGAGGACGGCCCTACGGGTTGTAAACCTCTTTTGCCGGGGAGCAACGGGCGTCACGTGTGGCGCCACTGAGAGTACCCGGAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGCGTGTCAAGTCAGCGGTAAAATGTCGGGGCTCAACCCCGGCCGGCCGTTGAAACTGGCGTGCTCGAGTTGGAGAGAAGTATGCGGAATTCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACCCCGATTGCGAAGGCAGCATACCGGTGCACAACTGGCGCTCAGGCACGAAAGCGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU6581;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9762),o:Clostridiales(0.9389),f:Ruminococcaceae(0.9108),g:Clostridium_IV(0.1735);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTCTGGGGGACGAACAAATGACGGTACCCCAGGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGTGTAAAGGGCGTGTAGGCGGGAATGCAAGTCAGATGTGAAAACTATGGGCTCAACCCCTAGCCTGCATTTGAAACTGTATTTCTTGAGTGCTGGAGAGGCAAGCGGAATTCCGGGTGTAGCGGTGAAATGCGTAGATATAAGGAGGAACACCAGTGGCGACGGCGGATTGCTGGACAGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6582;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9933),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.5766),f:"Prevotellaceae"(0.2524),g:Alloprevotella(0.0519);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTCCGGGTTGTAAACTGCTTTTAGTTGGGAATAATAGGGGGCTCGTGAGCGCCGTATTGTATGTACCATCGGAAAAAGGACCGGCTACTTCCGAGCCAGCAGCCGCGGTATTACGGACGGTCCGGGCGTAATCCGGATTCATTGGGTTTAAAGGGAGCGTAGGCGGGCTTTTAATGCAGCTGTGAAATTCCGCGGCTCAACCGTGGAATTGCAGTTGAAACTGGAGGCCTGGAGTGCGCACAGGGATGCAGGAATTCATGGTGTAGCGGTGAAATGCTTAGATATCATGAAGAACTCCGATCGCGAAGGCAAGTGTCCGGGGTGCAACTGCCGCTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU6583;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Lachnospiraceae(0.2184),g:Clostridium_XlVb(0.0615);

ACTTCCTTCCTCCTTTTGGAATATTTCCCCCTGGTGGACACCCTGATGCAGCAACGCCGCGTGAAGGATGAAGGTTGTCGGATCGTAAACTTCTATCAATAGGGACGAAACAAATGACGGTACCTAAATAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGCGCGTAGGCGGCCCGTTAAGTCTGGAGTGAAAGTCCTGCTTTCAAGGTGGGAATTGCTTTGGATACTGATGGGCTGGAGTGCAGGAGAGGAAAGCGGAATTACCGGTGTAGCGGTGAAATGCGTAGAGATCGGTAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGAAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6585;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lachnospiraceae(0.3884),g:Clostridium_XlVa(0.0904);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAGGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACCAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCTGTGTAAGCCAGAAGTGAAAGCCCGAGGCTCAGCCACGGGACTGCTTTTGGAACTACATGGCTTGATTGCAGGAGAGGCAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACTGTAAATGACGCTGGGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6586;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Lachnospiraceae(0.1679),g:Clostridium_XlVa(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATCTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGTTAATACTTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAGAGGCAAGTCTGATGTGAAAACCCGGGGCGCAACCACGGGAGTGCAATGGAAAAGGTGTAGATGGAGTGACGGAGGGGTAAGTGGAATTACTAGTGTAGAGGTGAAATGCGTAGATATTAGGAGGAAAACCAGTGGAGAAGGCGGATTAATGGACGGTAACTGAAGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6584;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Lachnospiraceae(0.0560),g:Parasporobacterium(0.0134);
ACGGAAGGCAGCAGTGGGGAATATTCCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGACTGAAGAAGTATTTCGGCATGTAAAGGTCTATCATCAAGGAAGAAGATGACTGTACTTGACTAATAAGCCCCTGCTAACTACGTGCCAGCAGCCCCGGTATTACTTAGTGGCCAAGCGTTATCCGGAATGACTGGGCGTAAAGGGTGCGTAGGTGGTTTGACAAGTTGGTAGCGTAACTCCGAGGCTCAACCTAAGCACTACTACGAAAACTGTTGAACTTGAGTGCAGGAGGGGCAACTGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGAGTTGCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6587;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9755),o:Clostridiales(0.9389),f:Clostridiaceae_1(0.5991),g:Clostridium_sensu_stricto(0.3479);
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>OTU6588;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Lachnospiraceae(0.3204),g:Clostridium_XlVa(0.0712);
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>OTU6589;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Bacilli(0.9462),o:Lactobacillales(0.7995),f:Lactobacillaceae(0.4914),g:Lactobacillus(0.2607);
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>OTU6590;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Lachnospiraceae(0.1679),g:Clostridium_XlVa(0.0423);
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>OTU6593;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9798),o:Clostridiales(0.9753),f:Clostridiaceae_1(0.8146),g:Clostridium_sensu_stricto(0.6200);
ACGGGAGGAAGAAGGGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGATTGATTACGTCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGAGTTACTGGGCGTAAAGGGAGCGTAGGCGGACTGGTAAGTGAGATGTGAAATACCCGGGCTGAACTTGGGTGGTGCATTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAATGGAATGACTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACAATGGTA
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ACGGAAGGCAGCAGTGGGGAATATTGGACAATGGGGGAAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATCTCGGTATGTAAAGCTCTATCATCTGGGAAGAAAATGACGGTCCCTTAGTACGAAGCGCCTGCTAACTACGTGCCAGCAGCCGCGGTCGTACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGTAGGCGGTTTTCTAAGTCTGATGTGAAAGTCTGCGGCTCAACCGGAGAAGTGCAGCGGAAACTGGATACCTTGAGTGCAAGAGAGGACAGCGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATAAGGAAGAACACCAGTGGCGAAGGCGGCTGTCTAGATTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

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>OTU6599;tax=d:Bacteria(0.8319),p:Firmicutes(0.1310),c:Clostridia(0.0324),o:Clostridiales(0.0231),f:Clostridiales_Incertae_Sedis_XI(0.0059),g:Helcococcus(0.0035);

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>OTU6602;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Bacilli(0.9834),o:Lactobacillales(0.8303),f:Lactobacillaceae(0.5632),g:Lactobacillus(0.3915);

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t(0.0252),g:Bacillariophyta(0.0046);
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389),f:"Prevotellaceae"(0.8864),g:Prevotella(0.4787);
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252),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0519);
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652),f:Bacteroidaceae(0.0904),g:Bacteroides(0.0181);
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846),f:"Prevotellaceae"(0.6709),g:Prevotella(0.3479);

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acteriales"(0.9172),f:Enterobacteriaceae(0.9015),g:Escherichia/Shigella(0.4787);

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cillaceae(0.2864),g:Lactobacillus(0.0712);
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359),f:"Porphyromonadaceae"(0.0710),g:Barnesiella(0.0087);

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GGAGTGCGGATGCCGACGGAGGAATGAGTGGTGTAGCGGTGAAACGCGTAGATATCACTCAGAACACCGATTGCG
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diaceae_1(0.0710),g:Clostridium_sensu_stricto(0.0157);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGT
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AGTCAGCGGTGAAATGCATGGGCTTAACCCATGAGCTGCCTTTGAAACTGTTATTCTTGAGTGTAGTAGATGCAGGC
GTAATTCCGAGTGTAGCTGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGTGCTCTAA
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>OTU6721;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Rumin
ococcaceae(0.0710),g:Clostridium_III(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGCGAGTGATGAAGGT
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GCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGAGGGCAA
GTCAGATGTGAAATCCACGGGCTTAACTCGTGAACTGCATTTGAAACTGTTCTTCTTGCGTATCGGTGAGGCAGTCGG
TATTGCTAGTGTAGCGGTGAAATGCGTAGATGTTAGGAGGAACACCAGTGGCGAGTGCGGATTGCTGGACGACAAC
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>OTU6725;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9321),o:"Bacteroidales"(0.8
412),f:"Prevotellaceae"(0.4914),g:Prevotella(0.0808);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCGGTCTTTTAAGCGTGATGTGAAATGTAGGGGCTCAACGTGTGCATTGCGGCGCGAACTGACAGGCTT

GAGTTCGCAGGAAGTCGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAA
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>OTU6724;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachn
ospiraceae(0.3884),g:Clostridium_XlVa(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAAACCCTGATGAAGCGACGCCGCGTGAGCGAGGAAGT
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CCAGCAGCTGCGGTAATACGAACGGTGCAAGCGTTAACCGGAATTACTGGGTGTAAAGGGAGCGTAGACGGTTGTG
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GTCACTGACGTTGAGGCACGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU6727;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Clostri
diales_Incertae_Sedis_XI(0.0560),g:Sporanaerobacter(0.0134);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
TTTCGGATTGTAAACCTCTGTCCTAAGGGACGAAGGAAGTGACGGTACCTTAGGAGGAAGCCCCGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGGAAT
GCAAGTCAGATGTGGAAACTCAGGGCTCAACCCTGAGCCTGCATTTGAAACTGTAGGTCTGGAGTACTGGAGAGGC
AGACGGAATTCCTAGTGCAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGAC
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>OTU6726;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Rumin
ococcaceae(0.1872),g:Intestinimonas(0.0204);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
CTTCGGGTTGTAAACTTCTTTTAAGAGGGACGAAGAAGTGACGGTACCTCTTGAATAAGCCACGGCTAACTACGTGCC
AGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGAATTACTGGGCGTAAAGGGCGTGTAGCCGGGAGGGC
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CGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGAT
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>OTU6731;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Pepto
streptococcaceae(0.4563),g:Clostridium_XI(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGCTCAATGGGCGAAAGCCTGATGCAGCAACGTCGCGTGAGCGATGAAGGC
CCTCGGGTTGTTAAGCTCTGTTTTCAAGGAAGATAATGACGGCACTTGTGGAGGATGCCCCGGCTAACTACGTGCCA
GCAGCCGTGGTAATACGCAGGGGGCCAGCGTTATCCGGATTTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAA
GTCAGGAGTGAAAGGCTACGGCTCAACCGTAGTAAGCTGTTGGAACTGGGAGACTTGAGTGCGGGAGAGGAAAGT

GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTAGCGAAGGCGGCTTTCTGGACTGTA
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>OTU6728;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9918),o:Lactobacillales(0.9798),f:Lactoba
cillaceae(0.9480),g:Lactobacillus(0.8124);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
TTTCGGCTCGTAAAGCTCTGTTGTTAGAGAAGAACGTGCGTGAGAGCAACCGTTCACGCAGTGACGGTATCTAACCA
GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTA
AGGCGAGCGCAGGCGGTTTGATAAGTGTGATGTGAAAGCCTTTGGCTGAACCAAAGAAGTGCATCGGAGACGGGCA
GACTTGAGTGCAGGAGGGGACAGTGGAACGCGGTGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCGGT
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GTA
>OTU6729;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9900),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.7
995),f:"Rikenellaceae"(0.5991),g:Alistipes(0.4351);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCATGCCGCGTGCAGGAAGACGGC
TCTATGAGTTGTAAACTGCTTTTGTACGAGGGTAAACGCTCTTACGTGTAAGAGCCTGAAAGTATCGTACGAATAAGG
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GCGTAGGCCGCTGTTCAAGCGTGTCGTGAAATGCGGTTGCTCAACGATCGCACTGCGGCGCGAACTGTCCGGCTTGA
GTCAAGTGGAAGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAGTGGCGAAG
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>OTU6730;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Rumin
ococcaceae(0.1291),g:Clostridium_III(0.0134);
ACGGGAGGCAGCAGTGGGGAATATTGGTCAATGGGCGAAACCCTGACCCAGCAACGTCGCGTGAAGGAAGAAGGC
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GCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTAGACGA
CAACTGACGCTAAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6732;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Clostri
diaceae_1(0.5273),g:Clostridium_sensu_stricto(0.3043);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAAAGCAGCGTGAGTGATGAAGGT
TTTCGGATCGTAAAGCTCTGTCTTTGGGGAAGATAATGACGGTACGTAAGGAGGAAGCCACGGCTAACTACGTTCCA
GAAGCCGCGGCAATACGTAGGTGGCGGGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGAGTA
AGTGGGATGTGAAATACCCGGGCTCAACTTGAGAGCTGCATTCGAAACTGGCTGTCTAGAGTACAGGAGAGGAGAG

CGGAATTCCTAGTGTAGCGGTGAAGTGCATAGAGATTAGGAAGAACTCCAGTGGCGAAGGCGACTCTCTGGACTGT
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>OTU6734;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9791),o:"Bacteroidales"(0.9
730),f:Bacteroidaceae(0.9294),g:Bacteroides(0.9686);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
CCTATGGGTTGTAAACTTCTTTTATACGGGAATAAAGTTAGCCACGTGTGGCTTTTTGTATGTACCGTATGAATAAGG
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCGGGTTGTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGATATCTTGA
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>OTU6733;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:"Bacteroidia"(0.5195),o:"Bacteroidales"(0.2
679),f:Bacteroidaceae(0.1291),g:Bacteroides(0.0230);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCC
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CGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGC
GCAGGCGGTTCTGTAAGTCTGAAGTTAAAGGCAGTGGCTTAACCATTGTACGCTTTGGAAACTGCAGGACTTGAGTG
CAGAAGGGGAGAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAGGAACACCGGTGGCGAAGGCG
GCTTTCTGGACTGCAACTGACACTGAGGCACGAAAGCGTGGGTAGCAAGCAGGATTAGATACCCTGGTA
>OTU6735;tax=d:Bacteria(0.7941),p:Firmicutes(0.1905),c:Clostridia(0.0525),o:Clostridiales(0.0352),f:Rumin
ococcaceae(0.0059),g:Clostridium_III(0.0035);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACTCTGACGCAGTCACGCCGCGTGCAGGAAGACGGT
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GTTAGTGGTGAAATCCCTCGGCTAAACTGAGGAAATGCATCTAAAACTATCTGTCTTGAGTGCTGGAGAGGAAAGTG
GAATTACTAGTGTAGCGGTGAAATGAGTAGATATTAGGAGGACCACCAGTGGGGAAGGAGAATTTCTGGACAGGAA
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>OTU6737;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9540),c:"Bacteroidia"(0.7114),o:"Bacteroidales"(0.4
280),f:"Porphyromonadaceae"(0.2184),g:Barnesiella(0.0326);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGTGAGCCTGAACCAGCCAAGTCGCGTGAGGGATGACGGC
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TGCGTAGGTTGCTTGTTAAGTCAGAGGTGAAATTCAGGGGCTCAACCACTGAATTGCCGCTGATACTGTTGAGCTAG
AGTGCGGACAGGGCAGGCGGAATGTGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACCCCGATTGCGAA
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>OTU6738;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:Sphingobacteriia(0.0626),o:"Sphingobacteriales"(0.0413),f:Sphingobacteriaceae(0.0099),g:Parapedobacter(0.0046);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGCGGTCCTATGGATTGTAAACTGCTTTTTTCGGGGAATAATAAGACTTTTGCGCAGGTTGATGCAGGTACCCGAAGAATAAGGATCAGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATTCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTTAGATAAGTTTGAGGTGAAATGCTGCGGCTCAACAGGAGTTTGACGTGAAAACGGTCGGACTAGGATGTAAACAGCGCAGGCGGAATGAGTCATGTAGCGGTGACATGCATAGATATGATGAAGAACACCGATCGAGAAGGCAGCTTGCGAGGATACGAGTGACGCTGAAGCAAGAAAGCGCGGGTATCGAACAGGATTAGATAACCTGGTA

>OTU6736;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Peptococcaceae_1(0.1291),g:Peptococcus(0.0230);

ACGGAAGGCAGCAGTGGGGAATCTTCCGCAATGGGCGAAAGCCTGACGGAGCAATGCCGCGTGAGTGAAGAAGGCCTTCGGGTTGTAAAACTCTGTCCTTATCGAAGAGAGGGTATGGTGTGAATAATACCATATTAGGACGGTAGATAAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGACCGGCAAGTTGGAAGTGAAATCTATGGGCTCAACCCCGGAACTGCTTTTGAAACTGTATCCCTTGAGTGTCGGAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGATAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6739;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:"Bacteroidia"(0.5195),o:"Bacteroidales"(0.2679),f:"Prevotellaceae"(0.1291),g:Prevotella(0.0134);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGTGAAGAAGGCCTTCGGGTTGTAAAGCTCTGTTACAGGTGACGAAGGGAGTGACGGTAACTTGTAAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGGCTATTAAGCGTGTTGTGAAATGTAGATGCTCAACGTCTGCACTGCAGCGCGAACTGCTGTCCTTGAGTGCGGAGGAAGTAGGCGGAATTCGTTGTGTAGCGGTGAAATGCTTAGATATGGCGAAGAACTCCGATTGCGAAGGCAGCTGACTGTAGCGTTACTGACGCTGAAGCTCGAAGGTGCGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU6742;tax=d:Bacteria(0.0024),p:Cyanobacteria/Chloroplast(0.0000),c:Chloroplast(0.0000),f:Chloroplast(0.0000),g:Chlorophyta(0.0000);

TGATGGTATTGGCTCTACTTTGTCTAGGAAATAACCGTCAGGCTTGACCCCCTCCCCATTGTCTGTTTTCATGCCTCCACATCTTGGAGGCTTTTTTATGGTTCGTTCTTATTACCCTTCTGAATGTCACGCTGATTATTTTGACTTTGAGCGTATCGAGGCTCTTAAACCTGCTATTGAGGCTTGTGGCATTTCTACTCTTTCTCAATCCCCAATGCTTGGCTTCCATAAGCAGATGGATAACCGCATCAAGCTCTGGGAAGAGATGCTGTCTGTTCGTATGCAGGGCGGTGAGTTCGATAAGGGTGATATGTATGTGGACGGCCATAAGGCTGCTT

>OTU6740;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Lachnospiraceae(0.0904),g:Eisenbergiella(0.0181);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGCGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAGAGACGGTACCTGAGTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTACTACGTCGGGGGCCAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCATGGCAAGTCTGCAGTGAAAGCCCGGCGCTTAGCGCGGGGGCTGCTGTGGAAACTGCGGTGCTGGAGTGCGGGAGAGGTGAACGGAATTCCCGGTGTAGCGGTGGAATGCGTAGATATTGGGAAGAACACCAGCGGCGAAGGCGGTTCACTGGGCTGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU6741;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9671),c:Betaproteobacteria(0.7881),o:Burkholderiales(0.4280),f:Sutterellaceae(0.2524),g:Sutterella(0.0712);
ACGGGAGGCAGCAGTGGGGAATTTTGGACAATGGGGGCAACCCTGATCCAGCCATGCCGCGTGCGTGAAGAAGGCCTTCGGATTGTAAAGTACTTTTAGCAGGGAGGAAGAGGAGCTTGCTAATACGATATTCTTCTGACGTTACCGACAGAATAAGCACCGGCTAACTATGTGCCAGCAGCCGCGGTAATACTGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGTGCGCAGGCGGTTCTGTAAGATAGATGTGAAATCCCCGGGCTCAACCTGGGAACTGCATTCGAGACTGAATGACTAGAGTATATTAGAGGGGGGTGGAATTCCAAGTGTAGCAGTGAAATGCGTAGATATTGGGAAGAACACCAATGGCGAAGGCAGCCACCTGGAATGAGACTGACGCTGATGTACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6743;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Lachnospiraceae(0.1872),g:Pseudobutyrivibrio(0.0423);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATCTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCTCCGGCTAACTAGGAGCAAGCACACGCGGCACTACGTAGGCGGCAAGCGTAATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAGAGGCAAGTCTGATGTGAAAGCCCGGGGCTCAACCCCGGAAGTGCATTGGAAACTGTTTATCTGGAGTGCCGGAGGGGTAAGTGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCAGCTTTCTGGACTGACACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6744;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Clostridiaceae_1(0.1872),g:Sarcina(0.0326);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGTCCTATGTATTGTAAACTGCTTTTTTCGGGAATAATAAGACTTTTGCGAAGGTTGATGCAGGTACCCGAAGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATTCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGATATTTAAGTGGGATGTGAAATACCCGAGCTTAACTTGGGAGCTGCATTCCAAACTGGATATCTAGAGTGCAGGAGAGGAGAATGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAAAGACCCTGGTA

>OTU6745;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9671),c:Actinobacteria(0.9180),o:Actinomycetales(0.7995),f:Actinomycetaceae(0.3204),g:Actinomyces(0.0904);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAGGGATGACGGCCTTCGGGTTGTAAACCTCTTTCGCCCCTGAACAAGGCATCATTTTGGTGGTGTTGAGCTTAGGGGGTAAAGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATTATTGGGCGTAAAGGGCTTGTAGGTGGCTTGTCGCGTCTGCCGTGAAAGGCTTCAGCTTAACTGGAGTAGTGCGGTGGGTACGGGCTGGCTTGAGTGTGGTAGGGGAGACTGGAATTCCTGGTGTAGCGGTGGAATGCGCAGATATCAGGAGGAACACCGGTGGCGAAGGCGGGTCTCTGGGCCATTACTGACACTGAGGAGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6746;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9993),c:Actinobacteria(0.9913),o:Bifidobacteriales(0.8629),f:Bifidobacteriaceae(0.7428),g:Bifidobacterium(0.6200);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCGACGCCGCGTGCGGGATGGAGGCCTTCGGGTTGTAAACCGCTTTTGTTTGGGAGCAAGCCCTTCGGGGTGAGTGTACCTTTCGAATAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCGAGCGTTGTCCGGAATTATTGGGCGTAAAGGGCTTGTAGGCGGTTGGTTGCGTCTGCCGTGAAATCCTCTGGCTTAACTGGGGGCGTGCGGTGGGTACGGGCTGGCTTGAGTGCGGTAGGGGAGACTGGAATTCCCGGTGTAACGGTGGAATGTGTAGATATCGGGAAGAACACCAATGGCGAAGGCAGGTCTCTGGGCCGTTACTGACGCTGAGGAGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU6748;tax=d:Bacteria(0.9073),p:"Bacteroidetes"(0.3448),c:Sphingobacteriia(0.0425),o:"Sphingobacteriales"(0.0291),f:Sphingobacteriaceae(0.0073),g:Mucilaginibacter(0.0039);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGCTGAGAGTGCCAGGGGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGCGCGTTATCCGGATTCATTGGGTTTAAGGGGTGCGTAGGCTGTGCGTCAAGTCAGGGGTGAAATTCCGGGGCTCAACTGCGGGGCGGCCGTGGATGCTGTAGCGATGGAGTGCGGATGCCGCCGGAGGAATGCGGGGTGTAGAGGTGAAATGCTTAGATGTCACTCAGAAGACCGATTGCGAAGGAATCTGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGGGGGGATAGAACAGGATTAGATACCCTGGGA
>OTU6747;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9987),c:Actinobacteria(0.9755),o:Actinomycetales(0.8846),f:Actinomycetaceae(0.6709),g:Actinomyces(0.5239);
ACGGGAGGCAGCAGTGGGGAATTTTGCACAATGGACGCAAGTCTGATGCAGCGACGCCGCGTGAGGGATGGAGGCCTTCGGGTTGTGAACCTCTTTCGCTCATGGTCAAGCGGCACGTGTGCGTGTGGTGGGGGTGGTGGGTAAAGAAGCGCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGCGCGAGCGTTGTCCGGAATTATTGGGCGTAAAGGGCGTGTAGGCGGTTGGTTGCGTCTGGCGTGAAAGCCTCGTGTTTAAGTTGGGGCGTGCTGTGGGTACGGGCGGGCTTGAGTGCGGGAGGGGAGACTGGAATTCCTGGTGTAGCGGTGGAATGCGCAGATATCAGGAGGAACACCAGTGGCGAAGGCGGGTCTCTGGGCCGTTACTGACGCTGAGGAGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU6752;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9923),o:Lactobacillales(0.9753),f:Lactobacillaceae(0.9480),g:Lactobacillus(0.6200);
ACGGGAGGCAGCAGTAGGGAATCTTCCCCCATTTTCTCCAGCCTTCTGGAGCAATACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAGAGCGAGCGCAGGCGGTTGCTTAGGTCTGATGTGAAAGCCTTCGGCTTAACCGAAGAAGTGCATCGGAAACCGGGCAACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGTAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGTTA
>OTU6750;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:"Bacteroidia"(0.4428),o:"Bacteroidales"(0.2039),f:Bacteroidaceae(0.0904),g:Bacteroides(0.0181);
ACGGGAGGCAGCAGTGGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTAGAGAAGAACGTGCGTGAGAGCAACTGTTCACGCAGTGACGGTATATAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCCGTAATACGTAGTAAGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGACGGGATGTTAATTCGGCTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGCGACCTTGAGTGCAACAGAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTTGCTGGACTGTAACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU6749;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9805),o:"Bacteroidales"(0.9775),f:Bacteroidaceae(0.8864),g:Bacteroides(0.8124);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGCGAGTCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATACGGGAATAAAGTGGTCCACGTGTGGCTTTTTGTATGTACCATATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGAGGGGTAAGTGAGTTGTGAAAGTTTGCGGCTCAACGGGAGAATTGCAGTTGATACTGGCGTTCTTGAGTGCAGGTGAGGTGTGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGAGTGTAACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU6751;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.7907),c:Actinobacteria(0.5195),o:Bifidobacteriales(0.2679),f:Bifidobacteriaceae(0.1291),g:Bifidobacterium(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCGACGCCGCGTGCGGGATGGAGGCCTTCGGGTTGTAAACCGCTTTTGTTTGGGAGCAAGCCCTTCGGGGTGAGTGTACCTTTCGAATAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCGAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAATGATAAGTCTGATGTGAAAGCCCACGGCTCAACCGTGGAACTGCATCGGAAACTGTCATTCTTGAGTGCAGAAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCGGCTCTCTGGACTGTGACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6756;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9877),o:Lactobacillales(0.9940),f:Lactobacillaceae(0.9015),g:Lactobacillus(0.5720);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGACGGGTTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTCAGTGGCAAGCTTTATCCGGAGCTATTGGGCGTAAAGCGAGCGCAGGCGGTTGCTTAGGTCTGATGTGATAGCCTTCGGCTTAACCGAAGAAGTGCATCGGAAACAGGGCAACTTGAGTACAGAAGAGGACAGTGGGTCTCCATGTGTAGGGGTGGAATGCGTAGATCTATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTTGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACGCTGGTA
>OTU6754;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9755),o:Clostridiales(0.9389),f:Clostridiaceae_1(0.4224),g:Clostridium_sensu_stricto(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGGCCTTCGGATTGTAAAGCTCTGTTTTTGGGGACGATAATGACGGTACCCACGGAGGAAGCCACGGCTAACTACGTGCAAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTCTTAAGTGGGATGTGAAATACCCGGGCTTAACCTGGGTGCTGCATTCCAAACTGGGAATCTAGAGTGCAGAAGGGGAGGGAGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCAGCTCGCTGATCTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCGAACAGGATTAGACACCCTGGTA
>OTU6753;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lachnospiraceae(0.2184),g:Clostridium_XlVa(0.0615);
ACCGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAACCTCTGTTTTCGGTGACGAACAAATGACGGTACCCGACGAATAAGCCACGGCTAACTACGTGCCATCAGCCGCGGTAATACGTATGGTGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGATGGTTGTGTAAGTCTGATGTGAAAACCCGGGGCTCAACCCCGGGACTGCAATGGAAACTATGTAACTAGAGTGGAGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATCACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6755;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9507),c:Actinobacteria(0.8472),o:Coriobacteriales(0.5395),f:Coriobacteriaceae(0.3544),g:Olsenella(0.0615);
ACGGAAGGCAGCAGTGGGGAATCTTGCGCAATGGGCGAAAGCCTGACGCAGCAACGCCGCGTGCGGGATGACGGCCTTCGGGTTGTAAACCGCTTTCAGCAGGGAAGACACTGACGGTACCTGCAGAAGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTATCCGGATTCATTGGGCGTAAAGCGCGCGTAGGCGGCTTGGCAAGCGAGGTGTAAAAGCCCGGGGCTCAACCCCGGCCCGCACCTCGAACTGCCAGGCTTGAGTCTGGTAGGGGAAAGTGGAATTCCCAGTGTAGCGGTGAAATGCGCAGATATTGGGAAGAACACCGGTGGCGAAGGCGGCTTTCTGGGCCACGACTGACGCTGAGACGCGAAAGCTAGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU6759;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8267),c:Sphingobacteriia(0.2902),o:"Sphingobacteriales"(0.1249),f:Sphingobacteriaceae(0.0457),g:Olivibacter(0.0076);
ACGGGAGGCAGCAGTAAGGGATATTGGTCAATGGGCGGGAGCCCGAATCAGCCATGCCGCGTGAGGGATTGAGGCCCTACGGGTCGTAAACCTCTTTTGTCGGGGGATAACGGGCGCCACGCGTGGCGCCGTGAAGGTACCCGGAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTACCCGGATTTATTGGGTTTAAAGGGGGCGCAGGCGGGCGTGTAAGTCAGCGGTGAAAGTTACCGGCGCAACCGTGGCAGTGCCGAGGATACTGGGGGTGTTGAATGCGGTCGAGGCGGGCGGAATGTGGCGTGTAGCGGTGAAATGCATAGATATGCCACAGAACACCGATAGCGAAGGCAGCTGGCCGGGCCTGCATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU6757;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:Flavobacteriia(0.1159),o:"Flavobacteriales"(0.0547),f:Flavobacteriaceae(0.0149),g:Mesonia(0.0066);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATGCCGCGTGCAGGACTAAGGCCCTATGGGCTGTAAACTTCTTTTATCGCAGAGCAAAAAGAGCCACGTGTGGTCCTATGTGAGTATGCCTAGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGCAGGCGGCTTTGCAAGCCAGCGGTGAAAGGCACGGGCTCAACCCGGAAAGTGCCGCTGAAACTGGGAGGCTGGAATGCGGATGCTGTGGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACACCGATTGCGAAGGCATCTCACAAATCCGCAATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU6758;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:"Bacteroidia"(0.1740),o:"Bacteroidales"(0.0781),f:"Porphyromonadaceae"(0.0252),g:Barnesiella(0.0076);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGAGGAAACTCTGATCCAGCCATGCAGCGTGCAGGACTAAGGCCCTATGGGCTGTAAACTTCTTTAGACGCAGAACAATAAGGGCCACGTGTGGTCCGATGAGAGTATGCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGGTGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCGGCTGCGCAAGCCTGCGGTGAAAGGCCCGGGCTCAACCCGGAAAGTGCCGTGGATACTGTGAGGCTGGAATGCGGATGCTGTTGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCACTCAGACCTCCGATTGCGAAGGCATCTCACAGAGTCGCTATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU6761;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Lachnospiraceae(0.1098),g:Clostridium_XlVa(0.0204);
AGGGAAGGGAGAAGGGGGGAAGATGGCAAAAGGGGCGAAAGCCGGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTGCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGGCGGTACTTGAGGAGGAAGCCCTGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTTGATCAAGTCTGATGTGAAAGCCCGGGGCTCCACCCCGGTACTACCTTGGAAACTGATTAGCTAGAGTGCAGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTCAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTAACTGACGTTGAGTCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6763;tax=d:Bacteria(0.0024),p:"Proteobacteria"(0.0000),c:Gammaproteobacteria(0.0000),o:Alteromonadales(0.0000),f:Alteromonadaceae(0.0000),g:Alteromonas(0.0000);

CCCAAAGCCGCCTCCGGTGGCCTTCCAGGTGATGTGCTTGCTCCCGATCACCATACTGTCGGCATGGGTGATGCTGGTATTAAATCTGCCCTTCAAGGCTCTAATGTTCCTAACCCTGATGAGGCCGTCCCTAGTTTTGTTTCTGGTGCTATGGCTAAAGCTGGTAAAGGACTTCTTGAAGGTACGTTGCAGGCTGGCACTTCTGCCGTTTCTGATAAGTTGCTTGATTTGGTTGGACTTGGTGGCAAGTCTGCCGCTGATAAAGGAAAGGATACTCGTGATTATCGTGCGGCTGCATTTCCTGAGCGTAATGCTTGGGAGCGTGCTGGGGCTGATGCTTCCGCTGCTGGTATGGGTGACGCCGGATTGGAGAATCT

>OTU6760;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Clostridiaceae_1(0.4563),g:Clostridium_sensu_stricto(0.2607);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCCGATGCAGCAACGCCGCGTGAGTGATGAAGGTCTTCGGATCGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGTGGTAAGGCAAGCCAGGAGTGAAAGTCCGGGGCGCAACCCCGAGGACTGCTTTTGGAACTGTCGAACTAGAGTGCAGGAGGGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGACTGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6762;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Ruminococcaceae(0.1291),g:Clostridium_IV(0.0181);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCCGACCCAGCGACGCCGCGTGAGGGAAGAAGGTCTTCGGATTGTAAACCTCTTTCAGCAAGGAAGAAGAAAGTGACGGTACTTGCAGAAGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGTGTAGGCGGGGAGTCAAGTCAGATGTGAAAACCGAAGGCTCAACCTTCGGCCTGCATTTGAAACTGAAGTTCTTGAGTGCTGGAGAGGCTAACGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGATTGCTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6764;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Lachnospiraceae(0.2864),g:Clostridium_XlVa(0.0808);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCAACCCCACCCTCCCCGCCTACGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCCTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGTGGTAAGGCAAGCCAGAAGTGAAAGCCCGGGGCTCAACCCCGAGGACTGCTTTTGGAGCTGTCGAACTAGAGTGCAGGAGGGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6767;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9755),o:Clostridiales(0.9389),f:Clostridiaceae_1(0.6350),g:Clostridium_sensu_stricto(0.4787);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCCACGCCGCGTGAGTGATGAAGGT
CTTCGGATCGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGCGGAAGCCACGGCTCACTACGTGACA
GCAGCCGCAGTACTACGTCGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAA
GTGAGATGTGAAATACCCAGGCTCAACCGTGGGGCTGCATTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGGGT
GGAATTCCTAGTGTAGCGGTGAAATGCTTAGATATTAGGAAGAACTCCAGTTGCGAAGGCGACTCTCTGGACTGTAA
CTGACGCTGAGTCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6766;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Clostri
diaceae_1(0.3884),g:Clostridium_sensu_stricto(0.1735);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAATGATGACGTC
CTTCGGGTTGTAAACCTCTATCTTCAGGGACGATAATGACGGTACCTGAGGAAGAAGCCACGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGTGGCGAGCTTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGACGGACAGTTAA
GTGAGATGTGAAATACCGGGGCTTAACTTGGGTGTTGCATTGGAAACTGTAAGTCTTGAGTGCAGGAGAGGAGAGT
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTA
ACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6765;tax=d:Bacteria(1.0000),p:Firmicutes(0.3448),c:Clostridia(0.1740),o:Clostridiales(0.0547),f:Pepto
coccaceae_2(0.0149),g:Desulfotomaculum(0.0066);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAAAGCCGCGTGAGGGAAGAAGGT
TTTCGGATTGTAAACCTCTGTCCTCAAGGACGAAGGAAGCGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTG
GCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGGCCGGAATGACTGGGCGTAAAGGGCGTGTAGGCTGCTTTT
TTAGGCTGGAGTGAAAGTCCTGCGTTCAAGGTGGTAATTGCTTTTGATACTGGAGAGCTTGATTGCGGAAGAGGTAA
GTGGAATTCCCCGTGTAGCGGTGAAATGCGTAGAGATTGGGAGGAACACCAGTGGCGAAGGCGACTTACTGGGCCG
TAACTGACGCTTAGGCGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU6769;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Rumin
ococcaceae(0.4914),g:Intestinimonas(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
TTTCGGGTTGTAAACCTCTTTTGTCAGGGACGAGGGGAAGACGGTACCTGACGAATAAGCCACGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGTCGGC
AAGTCAGATGTGAAAACTGTGGGCTTAACCCACAAACTGCATTTGAAACTGATACTCTTGAGAGTGGGAGAGGTAAA
CGGAATTCCCTGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTT
AACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU6768;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Rumin
ococcaceae(0.3204),g:Ruminococcus(0.0904);

ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGT
CTTCGGATTGTAAAGTTCTTTTATTAAGGACGAAGAAGTGACTGTACTTAATGAATATGCTCCGGCTAACTACGTGCC
AGCAGCCGCGGTAATACGTAGGGCGCAACCTTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGAAGAGCA
AGTCAGATGTGAAATCCGTGGGCTTAACCCAGGAATTGCATTTGAAACTGTTATGCTAGAGTGAAGAAGAGGAAGG
AGGAATTCCCGGTGTAGAGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCTAGCTGGGCTT
TAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6771;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Lachn
ospiraceae(0.0904),g:Clostridium_XlVa(0.0181);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
TTTCGGTATGTAAAGCTCTATCGGCAGGGAAGAAGAAGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTTGATCAA
GTCTGATGTGAAAGCCCGGGGCTCAACCCCGGAACTGCATTGGAAACGGATTAGCAAGGTGGCGGGAGAGGAAAG
GGGAATTCCTAGTGTGGGGGGGAATGGCGAAGATATAAGGGGAAACACAAGGGGGAAGGGGGGCTTACGGAACG
GTAATGAAGGTGGAGGCTGAAAGGCGGGGGAGGAAAACAGGTTTAGATACCTGGTA

>OTU6770;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Lachn
ospiraceae(0.6709),g:Coprococcus(0.3043);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCATGAGCGAAGAAGTG
TTTGGGGATGTAAAGCTCTATCAGCAGGGAAGATAATGACGGTACCTGACTAAGAAGCACCGGCTAAATACGTGCCA
GCAGCCGCGGTAATACGTATGGTGCAAGCGTTATTCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGATGTGTAA
GTCAAAAGTGAAAGCCCGGGGCTCAACCCCGGAACTGCTTTGGAAACTATGCAGCTAGAGTGTCAGAGAGGTAAGA
GGAATTCCCAGTGTAGCGGTGAAATGCGTAAATATTGGGAGGAACACCAGTGGCGAAGGCGGCTAACTGGACGAAA
ACTGACGTTGAGGCGCGAAGGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6772;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Rumin
ococcaceae(0.0904),g:Oscillibacter(0.0110);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGACGCAGCAGCGCCGCGTGAAGGAAGAAGGA
TTTCGGGTTGTAAACTTCTTTTAAGAGGGAAGAGCAGAAGACGGTATCTCTAGAATAAGCCACGGCTAACTACGTGA
CCGCAGCCGCGGTAATATATAGGTGGCACGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGCAGCCGGGACGGC
AAGTCAGATGTGAAATCCATGGGCTCAACCCATGAACTGCATTGGAAACTGTGGATCTTGAGTGTCGGAGGGGCAAT
CGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGAT
AACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6773;tax=d:Bacteria(1.0000),p:Firmicutes(0.1905),c:Clostridia(0.0726),o:Clostridiales(0.0473),f:Rumin
ococcaceae(0.0113),g:Intestinimonas(0.0056);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
CTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGGACGTGACGGTACCTGGAGAAAAAGCAACGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGCGTGT
CAAGTCAGCGGTGAAATACCCACGCTCAACGTGGGGGCTGCCATTGATACTGACGTGCTGGAATTCGGATGCCGTTG
GGGGAATGTGTGGTGTAGCGGTGAAATGCATAGATATCACACAGAACACCGATTGCGGAGGCACCTGGCGAATCCG
AGATTGACGCTGAGGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU6775;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Bacilli(0.9762),o:Lactobacillales(0.9280),f:Lactobacillaceae(0.8505),g:Lactobacillus(0.5239);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
TTTCGGCTTGTAAAACTCTGTTGTTGAAGAAGAACGTGCGTGAGCGTAACTGTTTACGCAGTGACGGTATTCAACCAG
AAAGTCACGGCTAACTACGTGCCAGCAGGTGCGGTAATACGTAGGTGGCAAACGTTATCCGGATTTATTGGGCGTAA
AGGGAGCGCAGGCGGTTACTTAAGTCTGATGTGAAAGCCTTCGGCTTAACCGAAGAAGTGCATCGGAAACTGGGTG
ACTTGAGTACAGAAGAGGTCAGTGGAATTCGTTGTGTAGCGGTGGAATGCGTAGATATCAGGAAGAACACCAGTGG
CGAAGGCGGCTCACTGGACTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGT
A

>OTU6774;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Ruminococcaceae(0.2184),g:Oscillibacter(0.0204);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAACCCTGACGCAGCAACGCCGCGTGAAGGAAGAAGTC
TTTCGGGTTGTAAACTTCTTTTGGCAGGGAAGAGGATAAGACGGTACCTGACGAATAAGCCACGGCTAACCACGTGC
CAGCCGCCGCGGTTATATGTAGGTGGATAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGCGTAGCCGGGTCGGC
AAGTCAGATGTGAAATCCACGGGCTTAACTCGTGAACTGCTTTTGAAACTGTTGATCTTGAGTATCGGAGAGGCAATC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGACA
ACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

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ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGTC
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>OTU6776;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Ruminococcaceae(0.2184),g:Anaerobacterium(0.0423);

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>OTU6778;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9887),o:Lactobacillales(0.9938),f:Lactobacillaceae(0.9294),g:Lactobacillus(0.5720);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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GTA
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ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGA
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ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGTAAGAAGGT
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CGGAATGCATAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACAAGTGGCGAAGGCGGTCTACTGGACGAT
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>OTU6780;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Ruminococcaceae(0.1291),g:Intestinimonas(0.0181);

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eae_1(0.0355),g:Paenibacillus(0.0087);
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015),f:Bacteroidaceae(0.0149),g:Bacteroides(0.0066);
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diaceae_1(0.5632),g:Clostridium_sensu_stricto(0.3479);
AAGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
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CTGAATTCCTAGCTTAGCGGTGAAATGCGTATATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACGAC
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>OTU6785;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4812),o:Clostridiales(0.2039),f:Rumin
ococcaceae(0.0457),g:Clostridium_III(0.0076);

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>OTU6784;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8331),o:Clostridiales(0.5766),f:Eubac
teriaceae(0.1485),g:Eubacterium(0.0326);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
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>OTU6787;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Lachn
ospiraceae(0.1679),g:Eisenbergiella(0.0423);
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ococcaceae(0.3204),g:Saccharofermentans(0.0519);
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ospiraceae(0.1098),g:Clostridium_XlVa(0.0204);

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280),f:Bacteroidaceae(0.1872),g:Bacteroides(0.0519);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCATGTAGCGTGCAGGATGAAGGCT
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063),f:Bacteroidaceae(0.5273),g:Bacteroides(0.3479);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCATGTAGCGTGAAGGACGAAGGC
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497),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCACGTAGCGTGAAGGATGACGGC
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938),f:"Porphyromonadaceae"(0.9908),g:Butyricimonas(0.9724);

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547),f:"Porphyromonadaceae"(0.0149),g:Barnesiella(0.0066);
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teriaceae(0.2864),g:Eubacterium(0.0808);
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473),f:Prolixibacteraceae(0.0113),g:Prolixibacter(0.0056);
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3),f:Veillonellaceae(0.0560),g:Selenomonas(0.0134);

ACGGAAGGCAGCAGTGGGGAATCTTCCGCAATGGGCGAAAGCCTGACGGAGCAACGCCGCGTGAGTGAAGAAGGC
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AGGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTATCCGGATTTACTGGGTG
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ospiraceae(0.4563),g:Clostridium_XlVa(0.2171);

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cillaceae(0.0560),g:Lactobacillus(0.0134);

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>OTU6799;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Rumin
ococcaceae(0.2524),g:Intestinimonas(0.0326);

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ospiraceae(0.0149),g:Clostridium_XlVa(0.0056);

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ospiraceae(0.1291),g:Clostridium_XlVa(0.0204);
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352),f:"Porphyromonadaceae"(0.0086),g:Coprobacter(0.0043);
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ococcaceae(0.0710),g:Ruminococcus(0.0134);
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0.0473),f:Flavobacteriaceae(0.0113),g:Mesonia(0.0056);
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639),f:Bacteroidaceae(0.1485),g:Bacteroides(0.0326);
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diales_Incertae_Sedis_XIII(0.0904),g:Anaerovorax(0.0181);
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023),f:"Porphyromonadaceae"(0.1485),g:Parabacteroides(0.0204);
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ospiraceae(0.1485),g:Clostridium_XlVa(0.0204);
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ospiraceae(0.3544),g:Clostridium_XlVa(0.0808);
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diales_Incertae_Sedis_XIII(0.0710),g:Mogibacterium(0.0157);
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s(0.0413),f:Anaplasmataceae(0.0099),g:Ehrlichia(0.0046);
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(0.9821),f:"Fibrobacteraceae"(0.9871),g:Fibrobacter(0.9837);
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999),f:Bacteroidaceae(0.1485),g:Bacteroides(0.0326);
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509),f:"Porphyromonadaceae"(0.1872),g:Parabacteroides(0.0519);
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es(0.0000),f:Deferribacteraceae(0.0000),g:Deferribacter(0.0000);
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ales"(0.0473),f:"Cyclobacteriaceae"(0.0113),g:Algoriphagus(0.0056);
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>OTU6857;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Lachnospiraceae(0.2184),g:Blautia(0.0615);

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0.0781),f:Flavobacteriaceae(0.0252),g:Capnocytophaga(0.0076);
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0.9280),f:Corynebacteriaceae(0.5632),g:Corynebacterium(0.3915);
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llales(0.0000),f:Pasteurellaceae(0.0000),g:Avibacterium(0.0000);

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onadales(0.0000),f:Moraxellaceae(0.0000),g:Moraxella(0.0000);
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diaceae_1(0.4224),g:Clostridium_sensu_stricto(0.2171);
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023),f:Bacteroidaceae(0.1291),g:Bacteroides(0.0230);
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707),f:Bacteroidaceae(0.9015),g:Bacteroides(0.8605);
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ococcaceae(0.4224),g:Clostridium_IV(0.0519);
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995),f:"Porphyromonadaceae"(0.3884),g:Parabacteroides(0.1299);
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ospiraceae(0.1872),g:Ruminococcus2(0.0423);
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GTGGGATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTACTGGACAG
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>OTU6911;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachn
ospiraceae(0.2524),g:Eisenbergiella(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
TTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGTATCAA
GTCTGATGAGAAAGGCAGGGGCTCAACTCCTGGACTTCATTGGAAACTTGTATGCTCGATTGCCGGTGGTGTAAGCG
GAATTCCTTGTGTAGCTGTGAAATGCTTAGATATTAGAAGGAACACCATTGGCGAAGGCGGATTACTGGACTGTAAC
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>OTU6914;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Bacilli(0.9462),o:Lactobacillales(0.7623),f:Lactoba
cillaceae(0.4563),g:Lactobacillus(0.0808);
ATGGCAGGCAGCAGTAGGGAATCTTCCACACTGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTT
TTCGGATCGTAAAGCTCTGTTGTTCGTGAAGAAGGACGGCAGCAGTAACTGGCTGTCGTTTGACGGTAATCAACCAG
AACGTCACGGCTCACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAA
AGCGAGCGCAGGCGGTTTGATAAGGCTGATGTGAAAGCATTTGGCGTAACCGGAGAAGTGCATCGGAAACTGGAG
AACTTGAGTGCAAGAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATGTATGGAAGAACACCAGTG
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>OTU6912;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9740),o:"Enterob
acteriales"(0.8303),f:Enterobacteriaceae(0.6350),g:Escherichia/Shigella(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCATCCATTCCGCGTGTATGAAGAAGGCC
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AGCGCACGCAGGCGGTTTGTTAAGTCAGATGTGAAATCCCCGGGCTCAAACGGGGAACTGCATCTGAGAATGGCAA
GCTTAAGTCTCGTAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGG
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TA

>OTU6913;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9348),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4652),f:"Prevotellaceae"(0.0904),g:Prevotella(0.0181);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGAGGGATGACTGCCCTATGGGTTGTAAACCTCTTTTATAAGGGAATAAAATACGGGACGTGTCCTGTTTTGCATGTACCTTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCGGTCTTATAAGCGTGACGTGAAATGCAGCGGCTCAACCGTGGCACTGCAGCGCGAACTGGAGGCCTTGAGTGCGCGGGAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6915;tax=d:Bacteria(0.9827),p:"Bacteroidetes"(0.4311),c:"Bacteroidia"(0.0525),o:"Bacteroidales"(0.0352),f:Prolixibacteraceae(0.0086),g:Prolixibacter(0.0043);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCCTAGGGGCTTTGAACCGCCTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGACTGTACCATGGGAATAAGCATCGGCTAACTCCGTTCCAGCCGCCGCGGTAATACGGTGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCTGTGCGTCAAGTCAGGGGTGAAATTCCGGGGCTCAACTCCGGGGCTGCCCTTGATACTGTCGCGCTGGAGTGCGGATGACGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACTAAGAACACCGATGGCGAAGGCAGCTGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA

>OTU6917;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Lachnospiraceae(0.2864),g:Blautia(0.0615);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAACGATGAAGGCCTTCGGGTCGTAAAGTTCTGTCCTCAAGGAAGATAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCATGCCAAGTCTGATGTGAAAGGCAGAGGCTCAACCCCTGCACTGCATTGGCAACTGGCAGGCTTGAGTGCCGGAGGGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCTGTGGCGAAGGCGGCTTTCTGGACTGTTACTGACACTGGGGCACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6916;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Defluviitaleaceae(0.0904),g:Defluviitalea(0.0157);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCGACGCCGCGTGAAGGATGACGGTCTTCGGATCGTAAACCTCTATCATCAGGGAAGAAACCATGACGGTACCTGACTACGAACCCCCGCTTACCTCCGTGCCAGCAGCCCCGGTAATACGAAGGGGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGCGTAGGCGGCGTGTTAAGTCAGATGTGAAAACTCAGGGCTCAACCGAGAGACTGCATCTGAAACTGAGTTGCTAGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGGCGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6918;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Clostridiaceae_1(0.3544),g:Clostridium_sensu_stricto(0.1299);
ACGGAAGGCAGCAGTGGGGGATATTGCGCAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGAAGGTTTTCGGATCGTAAACTTCTTTAATTGGGGAAGATAGTGACGGTACCTACAGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGCAGGCGGATTTTTAAGTGAGATGTGAAATACTAGGGCTTAACCGGGGTGCTGCATTGCAAACTGGAAGACTAGAGTGCAGGAGAGGAGAAGGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGGTTCTCTGGTCTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6919;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Clostridia(0.9769),o:Clostridiales(0.9606),f:Lachnospiraceae(0.7428),g:Clostridium_XlVa(0.5239);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAATCAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCATGGCAAGTCTGAAGTGAAAGGCCAGGGCTCAACCCTGGGACTGCTTTGGAAACTGTCAGGCTGGAGTGCAGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACCGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6921;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Deltaproteobacteria(0.9776),o:Desulfovibrionales(0.9685),f:Desulfovibrionaceae(0.8505),g:Desulfovibrio(0.6681);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGTCTTCGGATCGTAAACCTCTGTAAGAAGGGCAGAAACTAGGGTGCTCTCATCATCATCCTACTGCCGGTACCTTCACAGGAAGCACCGGCTAACTCCGTGCCCGCAGCCTCGGTAATACGGCGGGGGCAAGCGTTAATCGGAATCACTGGGCGTAACGCGCACGTAGGCTGTTATGTAAGTCAGGGGTGAAATCCCACGGCTCAACCGTGGAACTGCCCTTGATACTGCACGACTTGAATCCGGGAGAGGGTGGCGGAATTCCAGGTGTAGGAGTGAAATCCGTAGATAGCTGGAGGAACATCAGGGGAAGGCGGCCACCTGGACCGGTATTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6923;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Clostridiaceae_1(0.4224),g:Clostridium_sensu_stricto(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGTTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCGCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGTGGTTTTTTAAGTGAGATGTGAAATACTCGGGCTTAACCTGAGTGATGCATTTCAAACTGGAAGTCTAGAGTGCAGAAGAGAAGAAGGGAATTCCTAGTGTAGCGGTGAAATGCGAAGAAATTAGGAAAAACACCGGAGGCGAGGGCGTTTCCCTGAACTGAAATGGTCGCTGAGGCTCGAAAGCGGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6922;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Peptostreptococcaceae(0.1872),g:Clostridium_XI(0.0519);
AAGGGAGGAAGAAGGGGGGAAGAGGGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGTCCTTCGGGGCGTAAAGCGCTGTCCTCAAGGAAGATAAGGACGGTAGTTGAGGAGGAAGCCCCGGCTAACTACGGGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGCTAGCCGGATTTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGGAGTGAAAGGCTACGGCTCAACCGTAGTAAGCTCTTGAAACTGGGAAACTTGAGTGTAGGAGAGGCACTGTGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTACGCGGAACACCAGTAGCGCATGCGTCTTTCTCGCCTGTACCTGACACTGAGGCACGACCGCGTGGGGAGCAAACAGGCTTAGCTACCCTGGTA
>OTU6920;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Clostridiaceae_1(0.0560),g:Clostridium_sensu_stricto(0.0134);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTCTTCGGATTGTAAACCTCTGTCGCAGGGGACGAAGGAAGTGACGGTACCCTGTAAGAAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTACTACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGAGCGTAGGCGGCCCGGTAAGTCTGGAGTGAAAGTCCTGGCTTCAAGTTGGGAATTGCTTTGGATACTGTCGGGCTTGAGTGCAGGAGAGGTTAGTGGAATTCCCAATGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6924;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Clostridiaceae_1(0.3204),g:Clostridium_sensu_stricto(0.0904);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGTAAATGATGGTACGTGTGGAGGAAGCCACGGACCACTACGTGCCAGAAGCCGCGGTAATACGCAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTGTTAAGTGTGATGTGAAATACTCGGGCTTAACCTGAGTGCTGCATTGCAAACTGGAAGGCTAGAGTGCAGGAGAGGAGTAGGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGCTTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6925;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Peptostreptococcaceae(0.0457),g:Clostridium_XI(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTTGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTCGCGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAGGGTGCGAGCGTTATTCGGATTCATTGGGTGTAAAGGGTGCGTAGGTGGCTTGTTAAGTCAGCCGTGAAAGCCAGTGGCTCAACCATTGAATTGCCGTTGAAACTGGCGAGCTTGAGATCGTACGGGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACCCCAATCGCGAAGGCATCCTGCCAGGCCGTGACTGACACTGAGGCACGAAGGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU6928;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Peptostreptococcaceae(0.1485),g:Clostridium_XI(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCGGATGCAGCAACGCCGCGTGAGCGATGAAGGACTTCGGGTCGTAAAGCTCTGGCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGGAATACGTAGGGGGAGAGCGGTATCCGGATTTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGGAGTGAAAGGCTACGGCTTAACCGTAGTACGCTCTTGTAACTGTGAAACTTGACTGCATGAGAGTAAAGTGGAGTTCCTCGTGTAGCGGTAAAATGCGTCGATATTAGGAGACACACCAGTAACGAAGGCGGCTTTCTGGACTGTCACTCACACTGAGTCACGAAAGCATGGGGAGCAACCAGGATTAGATACCCTGGTA
>OTU6927;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.5174),c:Sphingobacteriia(0.0626),o:"Sphingobacteriales"(0.0413),f:Sphingobacteriaceae(0.0099),g:Pedobacter(0.0046);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGACGCAAGTCTGATCCAGCCATGCCGCGTGAAGGACTAAGGCCCTATGGGCTGTAAACTTCTTTAGTCGGGGAGCAAAATGTGCCACGCGTGGTATAATGCGAGTATGCGTTGAATAAGGATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGTTGCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGCTTTGTAAGTCAGTCGTGAAAGGCCCGGGCTCAACCTGGGAATTGCAGTGCAAACTGTGAGGCTTGAGTGCGGAGGCAGTGGGAGGAATGAGTCGTGTAGCGGTGAAATGCATAGATATGACTCAGAACACCGATTGCGAAGGCATCTCACTGATGCGCAACTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU6926;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Lachnospiraceae(0.3204),g:Cellulosilyticum(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAAGGGTGAAGGTCTTCGGATTGTAAACTTCTATCAGCAGGGAAGAAAAAATGACGGTACCTGACTAAGAAGCTCTGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGATTGGCAAGTCAGAAGTGAAATCCATGGGCTTAACCCATGAACTGCTTTTGAAACTGATTTTCTTGAGTGTGGGAGAGGTAAATGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGTTTACTGGACCACAACTGACGCTGAGACACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6932;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9892),o:Lactobacillales(0.9938),f:Lactobacillaceae(0.9201),g:Lactobacillus(0.5720);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTAGGCTCGTAAAGCTATGTTGTTGGAGAAGAGTGTGCGTGAGAATAACTGTTCACGCAGTGACGGTATCCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCACGGTAATACGTAGATAGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTGCTTAGGTCGTATGTGAAAGCCTTCGGCTTAACCGAAGAAGTGTCTCGGAAACCGGGCTACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCTAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU6931;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Bacilli(0.3483),o:Lactobacillales(0.1483),f:Lactobacillaceae(0.0457),g:Lactobacillus(0.0110);

ACGGAAGGCAGCAGTAAGGGATATTGGTCAATGGGCGGGAGCCTGAACCAGCCATGCCGCGTGAGGGAATGAGGCCCTACGGGTCGTAAACCTCTTTTGCCGGGGGATAACGGGCGCCACGCGTGGCGCCGTGAAGGTACCCGGAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCCTCGGCTTAACCGAGGAACTGCATCGGAAACTGTTTTTCTTGAGTGCAGAAGAGGGAAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGAGATATGGAGGAACACCAGTGGCGAAGGCGGCTTCCTGGTCTGTAACTGACACTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6930;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Clostridiaceae_1(0.0710),g:Clostridium_sensu_stricto(0.0157);

ACGGGAGGCAGCAGTGGGGAATATTAGGCAATGGGCGAAAGCCTGACCTAGCAACGCCGCGTGAGGGAAGAAGGTCTCCGGATTGTAAACCTCTGTCCTTGGTGAAGAACACAATGACATTAGCCAAGGGAGAAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGTAGGCTAAGTTGGATGTGAAATACCCGGGCCTAACTTGGGGGCTGCATTCCAAACTGGGAATCTAGAGTGCAGGAGGGGAGGGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTTCTGGACTGACACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6929;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Ruminococcaceae(0.0457),g:Intestinimonas(0.0087);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGAGAAAGCCTGATCCAGCGACGCCGCGTGAGGGAAGACGGTCTTCGGATTGTAAACCTCTTTCAGCAGGGAAGACAAAAGGACGGCACCTGCAGAAGAAGCCACCGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGAGTTACTGGGTGTAAAGGGTGTGTAGGCGGGTCTGCAAGTCAGATGTGAAAATTACGGGCTCAACCCGGGAACTGCGTCTGAAACTGTGGTTCTAGAGGGTGGGAGAGGTAGGTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGTCTACTGGACCACAACTGACGCTGAGACACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6933;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Bacilli(0.8614),o:Lactobacillales(0.5395),f:Lactobacillaceae(0.2864),g:Lactobacillus(0.0712);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGTTAGTGGCAGCAACTGTCCATTATTTTACGGTAATCAACCAGAAAGTCACGTCTAACTACTTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGAGCAGGCGGAAAGATAAGTCTGAAGTGAAAGCAGTTGGATTAACGAAAGAAGTGCATCGGAAACAGTCAGAAAAGAGTGCAGAAGAGGAAAGAGGAAAACCATGTGTAGAGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGAGGCTGAATGGAATGCAAATGACGCTGAGGCACGAAAGCAGGGGTAGCGAAAAGGATTAGATACCATGGTA

>OTU6934;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Clostridiaceae_1(0.3204),g:Clostridium_sensu_stricto(0.0904);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCCGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTTGTAAAGCTCTGTCAGCAGGGAAGATAATGACGGTACCTGAGGAGGAAGCCCCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTGTTAAGTGTGATGTGAAATACTCGGGCTTAACCCCCGTGCTGCATTTCAAACTGGAAGTCTTGAGTGCAGGAGAGGAGAAGGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGCCTCTCTGGACTGTAACTGACGCAGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6936;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Clostridiaceae_1(0.3544),g:Clostridium_sensu_stricto(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAAAACTTGATGCAGCAAAGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATTATGACGGTAACTGAGGAGGAAGCCACGGCTCACTACGTGCCAGCAGCCGCGGGAATACGGAGGTGGCGAGCGTTGTCCGGATGTACTGGGCGTAAAGGGAGCGTAGGCGGATTTTTACGTGAGATGTGAAATACTTGGGCTTAACCTGAGTGCTGCAGTTCAAACTGGAAGTCTAGAGTGCATGAGAGGAGAAGGGAGTTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGCTTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6937;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8808),c:Sphingobacteriia(0.3483),o:"Sphingobacteriales"(0.1483),f:Sphingobacteriaceae(0.0560),g:Solitalea(0.0110);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGAAGTCTGAACCAGCCATGCCGCGTGCAGGAAGGAGGTCCTATGGATTGTAAACTGCTTTTTTCGGGGAATAATAAGACTTTTGCGAAGGTTGATGCAGGTACCCGAAGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATTCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCGGCTTGGTAAGTCAGCGGTGAAATTCCAGTGCTCAACATTGGCCGTGCCGTTGATACTGCTGGGCTTGAATGCGGATGCCGTGGGAGGAATGTGTGGTGTAGCGGTGAAATGCATAGATATGACGAAGAACTCCGATTGCGAAGGCAGCTGACTGTAGCGTAACTGACGCTGATGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU6935;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Clostridiaceae_1(0.1872),g:Clostridium_sensu_stricto(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAATCCCGATGCAGCCACGCCGCGTGAATGATGACTGCCTTCGGGTTGTTAAGCTCTGTCTTTAGGGACGTTAATGACGGTACCCGTGGTGGAATCCACGGCCAACTACGTGCAAGCAGCCGCGGCTCTATGCAGGTGGCCAGCGTTGTACGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTTTTAAGTGAGATGTGAAATACTCGGGCTTAACCGGAGTGCTGCATTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGTGGGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCGATGGCGAAGGCGCTTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6939;tax=d:Bacteria(0.0041),p:Firmicutes(0.0000),c:Negativicutes(0.0000),o:Selenomonadales(0.0000),f:Veillonellaceae(0.0000),g:Dialister(0.0000);

ATGAAACCCACCTACACCTTATTGCCCGGCGTCCGGGGAAGTCCGTCCATAGTCACACCGTCCTTGACGGTATAATCACCACCATCATGGCGACCATCCAAAGGATAAACATCATAGGCAGTCGGGAGGGTAGTCGGAACCGAAGAAGACTCAAAGCGAACCAAACAGGCAAAAAATTTAGGGTCGGCATCAAAAGCAATATCAGCACCAACAGAAACAACCTGATTAGCGGCGTTGACAGATGTATCCATCGGAAGGAAATGAAGAAAACCACCATTACCAGCATTAACCGTCAAACTATCAAAATATAACGATGACGATGTAGCTTTAGGTGTCTGTAAAACAGGTGCCGAAGAAGCGGGAGTAACAGAAGTGAGAACCAGCTGAG

>OTU6938;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Erysipelotrichia(0.8189),o:Erysipelotrichales(0.5766),f:Erysipelotrichaceae(0.3884),g:Turicibacter(0.1735);

ACGGAAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAACGCCTGACCGAGCAACGCCGCGTGAATGATGAAGGCCTTCGGGTTGTAAAATTCTGTTATAAGGGAAGAACGACTTTAGTAGGAAATGGCTAGAGTGTGACGGTACCTTATGAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGAATTATTGGGCGTAAAGCGAGTGCAGGCGGTTCAATAAGTCTGATGTGAAAGCCTTCGGCTCAACCGGAGAATTGCATCAGAAACTGTTGAACTTGAGTGCAGAAGAGGAGAATGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGATTCTCTGGGCCAAAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6940;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Clostridiaceae_1(0.3884),g:Clostridium_sensu_stricto(0.1735);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCAGCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCCTGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTTCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTTTTAAGTGAGATGTGAAATACTCAGGCTCAACCTTAGTGTTGCTTTTAAAACTGCTAATCTAGAGAGCAGGAGAGGATAAAGGAATTCCTAGTGTAGCGGTGAAATGCGTAAATATTAGGAGGAACACCAGTGGCGAAGGCGCTTATCTGGACTGTAACTGACGCTGAGGCGCGAAGGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6941;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Peptostreptococcaceae(0.3884),g:Clostridium_XI(0.1735);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCCGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCACTGTCCTCGAGGAAGATAATGACGGTACTTGCGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCTGGATTTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGGAGTGAAAGGCTACGGCTTACCCGGAGTAAGCACTTGAAACGGGGAGACTTGAGTGCAGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATTCGTAGATATTAGGAAGAACACCAGTAGCGAAGGCGGCAACCTGGACTATGACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6942;tax=d:Bacteria(1.0000),p:"Lentisphaerae"(0.9736),c:Oligosphaeria(0.9462),o:Oligosphaerales(0.8520),f:Oligosphaeraceae(0.7068),g:Oligosphaera(0.5720);

ACGGGAGGCAGCAGTCGAGAATCTTCCGCAATGGGCGAAAGCCTGACGGAGCGATGCCGCGTGAGGGACGAAAGTCTTCGGATTGTAAACCTCTGTCATCGGGGACGAACCAAATGACGGTACCCGAAAAGGAAGCCACGGCTAACCACGTGCCAGCAGCCGCGGTAACACGTGGGTGGCGAGCGTTATTCGGATTCACTGGGCGTAAAGGGTCCGCAGGGGGTCTGCCACGCCCGCCGTGAAAGCCCGGGGCTCAACCCCGGGACTGCGGCGGGTACGGGCGGGCTGGAGTGTGTGATGGGCAGACGGAATTCCAGGTGTAGCGGTGGAATGCGTGGATATCTGGAAGAACACCGATGGCGAAGGCGGTCTGCTGGCACATCACTGACCCTCAGGGACGAGAGTGTGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU6944;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8897),o:"Bacteroidales"(0.7623),f:"Prevotellaceae"(0.4563),g:Prevotella(0.0615);

CCTTTCTTCCTCCTTTCGGAATATTGGTCACTGGACGGAAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATGTGGGAATAAAGTCAGGGACGTGTCCCTGTTTGCATGTACCACAGGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGGAGGGTAAGCGTGTTGTGAAATGCAGTTGCTCAACATCTGCACTGCAGCGCGAACTGTTCTCCTTGAGTGCGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGGGAAGCCAGCTTACTGTAGCGCCACTGACGCTGATGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU6943;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Bacilli(0.2321),o:Bacillales(0.1015),f:Paenibacillaceae_1(0.0252),g:Paenibacillus(0.0076);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTTTTCGGATCGTAAACTTCTATCCTTGGTGAAGATAATGACGGTAGCCAAGAAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCAACTAAGTCTGGAGTGAAAGTCCTGCTTTGAAGGTGGGAATTGCTTGGGAAACTGGATGGCTTGAGTGCAGGAGAGGTAAGCGGAATGCCCGGTGTAGCGGTGAAATGCGTAGAGATTGTGAGGAAGACCCGTGGCGAAGGCGGCTCACCGGACTGTACCTGCCGCTCACGCGCCAGAGTGTCGGGAGGAAGCAGGATTAGATACCCTGGTA

>OTU6947;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Clostridiaceae_1(0.1679),g:Clostridium_sensu_stricto(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTATTGTCAGGGAAGAGTGGAAGACGGTACCTGGCGAATAAGCCACGTCTAACTACGTGCCCGCCGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTCTTAAGTGGGATGTGAAATACCCGGGCTTAACCGGGGTGTTGCATTCGAAACTGGGAGTCTAGAGTGCAGGAGGGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGCGGCGAAGGCGACTTTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6946;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9990),c:Deltaproteobacteria(0.9805),o:Desulfovibrionales(0.9775),f:Desulfovibrionaceae(0.9387),g:Desulfovibrio(0.9566);

ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGTCTTCGGACCGTAAACCTCTGTCAGAAGGGAAGAAACTAGGGTGTTCTAATCAGCATGCTACTGACGGTACCTTCAAAGGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGGGTTAATCGGAATCACTGGGCGTAACGCGCACGTAGGCTGTTATGTAATTCCGGGGTGAAAGCCCACGGCTCAGCCGTGGAACTGCCCTTGATACTGCACGACGCGAGTCCGTGAGAGGGTGGCGGAATTCCAGGTGTAGGAGTGAAATCCGTAGATATCTGGAGGAACATCAGTGGCGAAGGCGGCCACCTGGACCGGTATTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6945;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Eubacteriaceae(0.0560),g:Eubacterium(0.0134);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGTTTTCGGATTGTAAACCTCTGTCTTTGGTGACGAAGAAGTGACGGCAACCAAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGATAGCAAGTCAGCGGTGAAAGGCCGCAGCTCAACTGTGGAATTGCCTTTGATACTGGCAGGCTTGAATACTGTTGCCGTGGGAGGAATGAGTAGTGTAGCGGTGAAATGCATAGATATTACTCAGAACACCGATTGGGAAGCCAGCTTACTGTAGCGCCACTGACGCTGATGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU6948;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Clostridiaceae_1(0.1872),g:Clostridium_sensu_stricto(0.0423);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCCTTAGGGACGAAGAAAGTGACGGTACCTAAGGAGGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCTGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGTTTGGTAAGTTGGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCATTCCAAACTGGTTATCTAGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAGGGCGGCTTACTGGACAGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6952;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Lachnospiraceae(0.3884),g:Clostridium_XlVa(0.1735);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGGAGTATTTCGGTAAGTAAAGCTCTATCAGCAAGGAAGGAAATGACGGTACTTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTTGTGCAAGTCTGATGTGAAAACCCAAGGCTGAACCATGGGACTGCATTGGAAACTGTATAACTGGAGTGCAGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6949;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Ruminococcaceae(0.0904),g:Intestinimonas(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCAACGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGTAAACTTTTGTCTTCAGGGACGAATTTTGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGTGCGTAGGCGGGCTGTAAAGTCAGATGTGAAACTCCGGGGCTCAACTCCGGAACTGCATTTGAAACTTACGGTCTTGAGTGAAGTAGAGGTAAGCGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTGGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGGCTTTAACTGACGCTGAGGCACGAAAGCATGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6950;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Ruminococcaceae(0.4224),g:Oscillibacter(0.0808);
ACGGAAGGCAGCAGCTAAGAATATTCCGCAATGGACGCAAGTCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGTAAACTTCTTTGACAGGGGAAGAGCAGAAGACGGTACCCTGAAAACAAGCCGCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGTCGGCAAGTCAGATGTGAAATCTGGAGGCTCAACCTCCAAACTGCATTTGAAACTGTTGATCTTGAGTATCGGAGAGGTAACCGGAATTCCTTGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTCTAACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6951;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Clostridiaceae_1(0.1485),g:Clostridium_sensu_stricto(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGTTTTCGGGTCGTAAAGCTCTGTCTTTAGGGACGATAATGACGGTACCCGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGAGCGTAGGCGGTCTGATAAGTTGGATGTGAAATACCCGGGCTTAACTTGGGGGGTGCAGTGCGAACTGGGAGACTTGAGTGCGGAGGAGGTAGGTGGAATTCGTAGTGTAGCGGTGAAATGCGTAGAGATGAGGAAGAATACCGATGGCGAAGGCGGTTTGCTGGAGCGTAACTGACGCTGAAGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6953;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.9063),f:"Prevotellaceae"(0.6350),g:Prevotella(0.1735);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTACGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTCAGGGACGTGTCCCTGTTTGCAGGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGCCCCTTAAGCGTGTTGTGAAATTCTGCGGCTCAACCGTAGACGTGCAGCGCGAACTGGGGGGCTTGAGTGCACGCGACGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACCCCGATTGCGAAGGCAGCTTGCGGGGGTGTTACTGACGCTGAAGCTCGAAGGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU6954;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9991),c:Betaproteobacteria(0.9604),o:Burkholderiales(0.8629),f:Comamonadaceae(0.6709),g:Polaromonas(0.4351);
GTGCCAGCAGCCGCGGTAATACGTAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGTGCGCAGGCGGTTATATAAGACAGATGTGAACTCCCCGGGCTCAACCTGGGAATTGCATCTGTGACTGTATAGCTAGAGTACGGTAGAGGGGGATGGAATTCCGCGTGTAGCAGTGAAATGCGTAGATATGCGGAGGAACACCGATGGCGAAGGCAATCCCCTGGACCTGTACTGACGCTCATGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTAGTCCACGCCCTAAACGATGTCAACTGGTTGTTGGGTGCATTAGTACTCAGTAACGAAGCTAACGCGTGAAGTTGACCGCCTGGGGAGTACGGCCGCAAGGTTGAAACTCAAATGAATTGACGGGG
>OTU6955;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.4311),c:Actinobacteria(0.2321),o:Actinomycetales(0.1015),f:Intrasporangiaceae(0.0355),g:Tetrasphaera(0.0087);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGGTCTTCGGATTGTAAACCTCTTTCAGCAGGGAAGAAGAAAGTGACGGTACCTGCAGAAGAAGTCGCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGTGTAGGCGGGAGTGCAAGTCAGGCGTGAAATATACGGGCTCAACCCGTAAACTGCGCTTGAAACTGTGCTTCTTGAGTGTGGGAGAGGTAAACGGAATTCCTGGTGTAGTGGTGAAATGCGTAGATATCAGGAGGAACACCGGTGGCGAAGGCGGTTTACTGGACCACAACTGACGCTGAGACACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6956;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.5195),o:Clostridiales(0.2679),g:Natranaerovirga(0.0087);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATCCAGCAACGCCGCGTGAAGGAAGACGGTTCTCGGATTGTAAACTTCTTTTCTTAGTGAAGAAGCAAGCGACGGTAGCTAAGGCATAAGCATCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGATGCGAGCGTTATCCGGAATTACTGGGTGTCAAGGGAGCGCAGGCGGGACTGCAAGTCGGATGTGAAATACAGCAGCTTAACTGCGGAGGTGCATCCAAAACTGTAATTCTTGAGGGAAGTAGAGGCAGGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGGCTCTAACTGACGCTGAGGCACGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU6957;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.8808),c:Deltaproteobacteria(0.6346),o:Desulfovibrionales(0.3639),f:Desulfovibrionaceae(0.1872),g:Desulfovibrio(0.0423);
ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGTCTTCGGATCGTAAACCTCTATCAGAAGGGAAGAAACTAGGGTGCTCTAATCATCATCCTACTGACGGTACCTTCAAAGGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATCACTGGGCGTAAAGGGCGCGTAGGCGGCCCGTTAAGTCTGGAGTGAAAGTCCTGCTTTCAAGGTGGGAATTGCTTTGGATACTGATGGGCTGGAGTGCAGGAGAGGAAAGCGGAATTACCGGTGTAGCGGTGAAATGCGTAGAGATCGGTAGGAACACCGATGGCGAAGGCAGCTTGCTGGGGACTTATCGACGCTCATGCTCGAAAGTGCGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU6958;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Clostridiales_Incertae_Sedis_XIII(0.0457),g:Mogibacterium(0.0087);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGTCCTACGGATTGTAAACCTCTTTTGTCGGGGAGTAATAGGCGGGACGTGTCCTGCTGTGAGAGTACCCGAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGAATTATTGGGCGTAAAGAGTGCGTAGGTGGTTACCTAAGCAGGGGGTGAAAGGCATTGGCTTAACCAATGTTAGCCCCCTGAACTGGGCTACTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGACACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6962;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),g:Natranaerovirga(0.0181);

ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGGGGAAACCCTGACGCAGCAACGCCGCGTGAAGGAAGAAGGTCTTCGGATCGTAAACTTTTGTCTTAGGGGAAGAAAAAAGACGGTACCATAGGAGGAAGCCACTGCTAACTACGTGCCAGCAGCCGCGGTAATACGTGTGTGGCAAGCGTTATCCAGATTTACTGGGGGTAAAGGGTGCGTAGGCGGGACGTTAAGTCAGATGTGAAAGATTAGGGCTCAACCCGGAAACTGCATTTGAAACTGGAGTTCTTGAGTGTCGGAGAGGTAAGCGGAATGCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATAACTGACGCTGAGGCACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6961;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Lachnospiraceae(0.1679),g:Lachnospiracea_incertae_sedis(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTTTTCGGATTGTAAACTTCTATTATCAGGGACGAAGAAAGTGACGGTACCTGATGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTATGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGTGTAGGCGGCATGGCAAGTCAGAAGTGAAAGCTCGGGGCTCAACTCCGGAATTGCTTTTGAAACTGTCAAGCTAGAGTGTCGGAGGGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGACTACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6960;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9755),o:Clostridiales(0.9389),f:Clostridiaceae_1(0.3884),g:Clostridium_sensu_stricto(0.1735);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGTCTTCGGATTGTAAAGCTCTGTCTTTGGGGACGATAATGATGGTACCCCAGGAGGAAGCCACGGCTAACTACGTGCTAGCAGCCGCGGTAATACGTCGGTGGCGAGCGTCGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTCTTAAGTGGGCTGTGAAATACCCGGGCTTAAGGTGGGAACTGCATTCCAAACTGGGGAGCTAGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU6959;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Clostridiaceae_1(0.1872),g:Clostridium_sensu_stricto(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGTCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTATCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGGTAAGTCTGATGTGAAAACCCGGGGCTCAACCCCGGTACTGCATTGGAAACTAGAAGACTAGAGTGTCGGAGAGGCAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGATAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6966;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9861),o:Lactobacillales(0.8737),f:Lactobacillaceae(0.7068),g:Lactobacillus(0.3043);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGTTTTCGGCTCGTAAAGCTCTGTTGTTGGGGAAGAACGTGCGTGATAGTAATTGTTCACTCCTTGACGGTATCCAACCAGAAAGTCCCGGCTAACTACGTTCCAGCCCCCGCGGTAATTCGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTGCTTAGGTCGGATGTGAAAGCCTGCGGCTGAACCGAAGAAGGTCATTGGAAACCGGGGGACTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGAGCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU6964;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Ruminococcaceae(0.1679),g:Pseudobacteroides(0.0204);
ACGGGAGGCAGCAGTAGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCAACTCCGCGTGAGGGAAGAAGGTCTTCGGATCGTAAACTTTTGTCTTTGTGTACGAAGAATGACGGTACCCACGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGAATTCAAGTCAGATGTGAAATACCGGGGCTTAACCCGGGGGCTGCATTTGAAACTGAAGTTCTGGAGGGCGGGAGAGGAAAGCGGAATTCCTAGTGGAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTGTCTGGACAGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU6963;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Ruminococcaceae(0.3884),g:Clostridium_IV(0.0904);
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473),f:"Porphyromonadaceae"(0.0113),g:Porphyromonas(0.0056);
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AAGTCTGATGTGAAAGGCAGGGGCCCAACTCCTGGACTGCATTGGAAACTGGTATGCTCGAGTGCTGGAGGGGTAA
GCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACTG
TTACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU7075;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9474),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.3
959),f:"Porphyromonadaceae"(0.1679),g:Barnesiella(0.0326);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGC
CCTACGGGTTGTAAACCTCTTTTGCCGGGGAGCAACGCTGCGAACGTGTCCGCAGGTGAGAGTACCCGGAGAACAA
GCATCGGCTAACTCCGTGCCAGCCGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAACGG
GTGCGTAGGCCGGCTGTCAAGTCAGCGGGAAAAATGCGGGGATCAAACCCGTAAAGCTGTTGAAACTGGCGGTCGT
GAGTAGCGGCGAGGCATGCGGAAGGCGAGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACTACGATTGCGA
AGGCAGCATGACAGCCGCCGACTGACGCTGAGGCACGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU7073;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Clostridiaceae_1(0.1485),g:Caloramator(0.0230);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGCCTTCGGGTTGTAAACCTCTGTCCTCAGGGACGAAGATCTGACGGTACCTGAGGAGGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGCGCGTTAAGCCAGATGTGAAATACCCGGGCTCAACCCGGGGGGTGCATCTGATACTGGCGTGCTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU7074;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.5174),c:Sphingobacteriia(0.0525),o:"Sphingobacteriales"(0.0352),f:Sphingobacteriaceae(0.0086),g:Sphingobacterium(0.0043);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGTTGAGAGTACCTGTCGAATAAGCATCGGCTAACTCCGGGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCTGTGCGTCAAGTCTGGTGTGAAAGTCCGGTGCTCAACACCGGGGCTGCCCTTGATACTGGCGCGCTGGAGTGCGGATGCGGCAGGAGGAATGAGTGGTGTAGCGGTGAAGTGCTTAGATATCACGAAGAACTCCTATTGCGAAGGCATCTTGCGAATCCGTAACTGACGCTGATGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU7077;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9812),o:Clostridiales(0.9798),f:Clostridiaceae_1(0.6709),g:Clostridium_sensu_stricto(0.5239);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGTCTGCGGATTGTAAAGCTCTGTCTTTGGGGACGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTTTTAAGTGGGATGTGAAATACCCGGGCTCAACCTGGGTGCTGCATTCCAAACTGGGACTCTAGAGTGCAGGAGGGGAGAGTTGAATTCCTATTGTAGCGGTGACATTCGTAGAGATTAGGAAGAACACCATTGGCGAAGGCGACTCTCTGTACTGTAACTGACGCTGATGCTCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU7078;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Clostridiaceae_3(0.0457),g:Caloranaerobacter(0.0110);
ACGGAAGGCAGCAGTGGGGAATATTAGGCAATGGGCGAAAGCCTGACCTAGCAACGCCGCGTGAGGGAAGAAGGTCTTCGGATTGTAAACCTCTGTCCTTGGTGAAGAACACAATGACATTAGCCAAGGGAGAAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATTATTGGGCGTAAAGAGTACGTAGGCGGTTCGGTAAGCGAAAGGTGAAAGGCATCGGCTCAACCAGTGTCAGCCTTTCGAACTGTCGGACTTGAGTGCAGGAGGGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU7076;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Bacilli(0.6730),o:Lactobacillales(0.3959),f:Streptococcaceae(0.2184),g:Streptococcus(0.0615);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCGGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTCCCGAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTAATAAGTCTGAAGTTAAAGGCAGTGGCTTAACCATTGTTCGCTTTGGAAACTGTTAAACTTGAGTGCAGAAGGGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGGGATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU7079;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8472),o:Clostridiales(0.6138),f:Clostridiaceae_1(0.1485),g:Clostridium_sensu_stricto(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGTCTTCGGATTGTAAAGCTCTGTCTTTGAGGACGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGTCGGTAAGTCAGATGTGAAATCTATGGGCTTAACCCATAACCTGCATTTGAAACTGCAGTTCTTGAGAGTCGGAGAGGTAAATGGAATTCCCGGTGTAGCGGTGAAATGCTTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGATTTACTGGACGACAACTGACGCTGAGACACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU7080;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9762),o:Clostridiales(0.9497),f:Clostridiaceae_1(0.6709),g:Clostridium_sensu_stricto(0.4351);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGTCTTCGGATTTGAAAGCTCTGTCTTTAGGGACGATAATGACGGTACCTAAGGAGGATTCCACGGCTAACTACGTGCCAGCAGCCGTGGTAATATGCAGGTGGCAAGCGTTGTCCGGATGTACTGGGCGTAAAGGGAGCGTAGGTGGATATTTAAGTGGGATGTGAAATGCCCGGACTTAACCTGGGTGCTGCATTGCAAACTGGATATCTAGAGTGCGGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAATACCAATGGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU7081;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Lachnospiraceae(0.5273),g:Clostridium_XlVa(0.3479);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGGGAAACCCTGATCCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGGTTTACTGGGTGTAAAGGGAGCGTAGACGGTATTGCAAGTCTGAAGTGAAAGCCCGCAGCTCAACTGCGGGACTGCTTTGGAAACTGTGAGACTAGAGTGCAGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCAAAGGCGGCTTGCTGGGCTTTTACTGACGCTGAGGCTCGAGAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU7082;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Bacilli(0.8331),o:Lactobacillales(0.6138),f:Enterococcaceae(0.3884),g:Enterococcus(0.0808);
ACGGAAGGCAGCAGTAGGGAATCTTCGGCAATGGACGAAAGTCTGACCGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAACTCTGTTGTTAGAGAAGAACAAGGATGAGAGTAACTGTTCATCCCTTGACGGTATCTAACCAGAAAGCCACGACTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGGGAGCGTAGGCGGATTCTTAAGTGGGATGTGAAATACCCGGGCTTAACCTGGGTGCTGCATTCCAAACTGGATATCTAGAGTGCAGGAGAGGAAAGGAGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCGGCTCTCTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU7083;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Clostridiaceae_1(0.2184),g:Clostridium_sensu_stricto(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGTCTTCGGATTGTAAAGCTCTGTCTTTGGGGACGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGTAGACGGTTATGCAAGTCTGAAGTGAAATGCGGGGGCTCAACCACTGAACTGCTTTGGAAACTGTAAAACTGGAGTGCAGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAGGGCGGCTCACTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU7084;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Bacilli(0.8331),o:Lactobacillales(0.5395),f:Lactobacillaceae(0.3204),g:Lactobacillus(0.0904);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTATAAAGGGTGCGCAGGCGGACTCGTCAAGTCAGCGGTAAAAATTCGGGGCTCAACCCCGTCCTGCCGTTGAAACTGCGAGACTGGAGTGCGACAGAGGAAGGCGGAATGCGAGGTGTAGCGGTGAAATGCATAGATATCGCGCAGAACTCCGATTGCGAAGGCAGCTTACCGTAGCGTTACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU7085;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Clostridiaceae_1(0.1098),g:Clostridium_sensu_stricto(0.0204);
AAGGGAGGAAGAAGGAAGGGAGAGGGGGGAAGGGGGTGGAGCCTGAACCAGCCATGCCGCGTGAGGGAATGAGGCCCTACGGGTCGTAAACCTCTTTTGCCGGGGGATAACGGGCGCCACGCGTGGCGCCGTGAAGGTACCCGGAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTCTTAAGTGGGATGTGAAATACCCGGGCTTAACCTGGGTGCTGCATTCCAAACTGGGAATCTAGAGTGCAGGAGGGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU7088;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Bacilli(0.5963),o:Lactobacillales(0.3319),f:Streptococcaceae(0.1679),g:Streptococcus(0.0423);

ACGGAAGGCAGCAGTAGGGAATCTTCGGCAATGGGGGCAACCCTGACCGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATTGTAAAGCTCTGTTGTAAGAGAAGAACGTGTGTGAGAGTGGAAGGTTCACACAGTGACGGTAACTTACCAGAAAGGGACGGCTAACTACGTGCCAGCAGTCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGAATTATTGGGTGTAAAGGGTGCGTAGGCGGGATATAAAGTCAGATGTGAAATACCGCGGCTTAACTGCGGGGCTGCATTTGAAACTTATGTTCTTGAGTGAAGTAGAGGCAAGCGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTGGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU7087;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Clostridiaceae_1(0.2524),g:Clostridium_sensu_stricto(0.0712);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGATTGATGACGGTCCTCGGATTGTAAAGCTCTGTCTTTGTGGACGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCTGTAATCCGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTCTTAAGTGTGATGTGAAATACCCGGGCTGAACCTGGGTGCTGCATTCCAAACTGGGAATCTAGAGGGCAGGAGGGGAGAGTGGAATTCCTAGGGTAGCGGTGAAATGCGTAGATATGAGGAGGAACGACAGTAGCGAGGGCGGCTTTCTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU7086;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9755),o:Clostridiales(0.9389),f:Clostridiaceae_1(0.4224),g:Clostridium_sensu_stricto(0.2171);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGTCTTCGGAATGTAAACTTCTGTCTTTGGGGACGAAAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGACTTACTGGGCGTAAAGGGAGCGTAGGCGGTGTCTTAAGTGCGATGTGAAATACCCGGGCTTAACCTGGGGGTTGCATTCCAAACTGGGAATCTAGAGTACAGGAGGGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU7090;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9993),c:Fusobacteriia(0.9887),o:"Fusobacteriales"(0.9938),f:"Fusobacteriaceae"(0.9904),g:Fusobacterium(0.2171);

ACGGAAGGCAGCAGTGGGGAATATTGGACAATGGACCAAAAGTTTGCTCCAGCAATCCTGTGTGCACGATGAAGTTTTTCGGTATGTAAAGTGCTTTCAGTTGGGACGAGGTAGGTGACGGTACCAACAGAAGAAGCGCGGGTTAAATACGTGCAAGCAGCCGCGGTAATACGAAGGTCGCAAGCGTTATCCGGATTTATTGGGCGTAAAGAGGGTCTAGGCGGTTTGGTAAGTCTGATGTGAAAATGCGGGGCTAAACTCCGTATTGCGTTGGAAACTGTCAAACTAGAGTACTGGAGAGGTGGGCGGAACTACAAGTGTAGAGGTGAAATTCGTAGATATTTGTAGGAATGCCGATGGGGAAGCCAGCCCACTGGACAGATACTGACGCTAAAGCGCGAAAGCGTAGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU7089;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Rumin
ococcaceae(0.1872),g:Ruminococcus(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGGAACTCTGATGCAGCGATGCCGCATGAGTGAAGAAGGT
TTTCGGATTGTAAACCTCTGTCTTAAAGGACGATAATGACGGTACCCTCGGAGGAAGCTCCGGCTAACTACGTGCCAG
CAGCCGCGGTAATACGGAGAGGGCTAGCGTTGTTCGGAATTATTGGGTGTAAAGGGAGTGTAGGCGGGATAGTAA
GTTAAATGTGAAATCTATGGGCTTAACCCATAGACTGCATTTAAAACTGCTGTTCTAGAGAGAAGTAGAGGCAGGCG
GAATTCCTAGTGTAGAGGTGAAATGCGTAGATATTAGGAGGAACATCAGTGGCGAAGGCGGCCAGCTGGGCTAATA
CTGACGCTGAGGCTCGAAGGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU7091;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9719),o:"Bacteroidales"(0.8
846),f:"Prevotellaceae"(0.5991),g:Prevotella(0.1735);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACTGC
CCTATGGGTTGTAAACTGCTTTTATACGGGGATAAAGTGCGCCACGTGTGGCATATTGCAGGTACCCCATGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCCGTCTTATAAGCGTGATGTGAAATGTAGGGGCTCAACGGGGGAATTGCGGCGCGAACTGGGAGTCTT
GAGTGAGCAGGAAGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAA
GGCAGCCTACAGTGGCGTAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU7093;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8448),c:"Bacteroidia"(0.5195),o:"Bacteroidales"(0.2
679),f:"Prevotellaceae"(0.0904),g:Prevotella(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCACGTAGCGTGCAGGACGACGGC
CCTAGGTGTTGTAAACTGCTTTTATGCGGGAATAAAGTAGGCCACGCGTGGCCTTTTGCAGGTCCCGCATGAATCAG
GCCCGGCTAGTTCCATGCCAGGGGCCGGGGTAATCCGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTGTAGAGG
GAGCGCAGGCCGCCGGGCAAGCGTGATGTGAAAGGCAGGCGCTCAACGTCTGGACTGCAGTGCGAACTGCCCAGCT
TGAGTGCGCGCAGCGTTGGCGGAATTCGCCGTGTAGCGGTGAAATGCTTAGATATGGCGAAGAACTCCGATTGCGA
AGGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU7092;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6036),c:Flavobacteriia(0.0726),o:"Flavobacteriales"(
0.0473),f:Flavobacteriaceae(0.0113),g:Capnocytophaga(0.0056);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGC
CCTCTGGATCGTAAACTTCTTTATACGCAGAGCAATAAGAGTTTCGTGAGTTCCGATGCGAGTATGCGTAGAATAAGC
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCGGATGTGCAAGTCAGAGGTGAAATTCCCGCGCTCAACGAGGGAGTTGCCGTGGAAACTGTATGACTAG
AATGCTAGAGCCGTGGGAGGAATGAGTAGTGTAGCGGTGAAATGCATAGATATTAGGAAGAACACCGATGGCGAA
GGCAGCTTACGAGGGGGCGATTGACGCTGAGGCACGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU7094;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.6138),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0230);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACTAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTGGGCTACGCGTGGCCTTTTGCAGGTACCGTATGAATAAGGATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGTCGCCGGGCAAGTGTGTTGTGAAATTCAGTCGCTCAACGTCTGCACTGCAGCGCGAACTGCCCAGCTTGAGTGCGCGCAACGTTGGCGGAATTCGCCGTGTAGCGGTGAAATGCTTAGATATGGCGAAGAACTCCGATTGCGAAGGCAGCTGGCGAATGCGTAACTGACATTCATGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU7095;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9736),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.3959),f:"Prevotellaceae"(0.1098),g:Prevotella(0.0157);

ACGGGAGGCAGCAGTGAGGAATATTGGTAGATGGGCGCAAGCCTGAACCAGCCAAGTAGCGTGAGGGAAGACTGCCCTACGGGTTGTAAATCTCTTTTGTTTGGGAATAAAGTGCGGGACGCGTCCCGCATTGCATGTACCATTTGAATAAGGACCGGCTAATTCCGTGCCAGCAGCTGCGGTAATACGGAAGGTCAGGGCGTTATCCGGACTTATTGGGTTTAAAGGGAGCGCAGGCCGTGGATTAAGCGGGTAGTAAAAGTCCGGCTCTCAACGGCGGACGGGCGGCGCGAACTGGTCCACTTGAGTACGCGGAACGTTGGCGGAGTTCGTGGTGTAGCGGTGAAATGATTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTGACGGTAGCGCAACTGACGCAGAGGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU7098;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8520),f:"Porphyromonadaceae"(0.4914),g:Parabacteroides(0.1735);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTAAGCCTGAACCAGCCAAGTCGCGTGAAGGATGAAGGTTCTATGGATTGTAAACTTCTTTTATGGGGGGATAAAGTGCAGGACGTGTCCTGTTTTGTATGTACCTCATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGTGGCCATTTAAGTCAGCGGTGAAAGTTTGTGGCCCACCCATAAAATGGCCGTTGAAACTGGAGGGCTTGAGTATGTTTGGGGCAGGCGGAATGTGTGGTGTAGCGGTGAAAGGCAAAGATATCACGCAGACCTCCAATGGCGAAGGCAGCTTGCCAAGCCATAACTGACACTGAAGCACGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU7097;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.9389),f:"Prevotellaceae"(0.7428),g:Prevotella(0.4351);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAAGGGAATAAAGTGCGGATCGTGTGCCTTTTTGTATGTACCCTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGGCTATTAAGCGTGTTGTGAAATGTAGACGCTCAACCGCGGAACTGCGTCGCGAACTGGGTGCCTTGAGTACGCACAAAGTGTGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTGACGAGACCGTTACTGACGCTAAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU7096;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8472),o:"Bacteroidales"(0.6509),f:Bacteroidaceae(0.1679),g:Bacteroides(0.0423);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGCGTGAGGGAAGACTGCCCTACGGGTTGTAAACCTCTTTTGTTTGGGAATAAAGTCGGGGATGCGTCCCGCATTGCATGTACTTTATGAATAAGGACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGTGGTTGGTTAAGTGAGTTGTGAAAGTCTGTCGCTCAACGGTAGAATTGCAGCTGGAACTGGTCATCTTGAGTGCAGTGGACGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTGACGGGAGTGTAACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU7099;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Clostridiales_Incertae_Sedis_XIII(0.0710),g:Anaerovorax(0.0157);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAAAGCCGCGTGAGCGAAGAAGGTCTTCGGATAGTAAAGCTCTGTCCTTGGGGAAGATAATGAAGGTACACGGGGAGGAAGACTCGGCTAACTACGGGCCAGCAGCAGCGGTAATACGGAGGGGGCAAGCGTTATCCGGAATTATTGGGAGTAAAGAGTGCGTAGGTGGTTACCTAAGCAGGGGGTGAAAGGCAATGGCTCAACCCTTGTTAGCCCCCTGAACTGGGCTACTTGAGTGCTGGAGAGGCTAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTTACTGACACTGAGTCACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU7102;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9572),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.5766),f:Bacteroidaceae(0.1291),g:Bacteroides(0.0230);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTCGCGTGAAGGAAGACTGCCCTCTGGGTTGTAAACTTCTTTTATAAGGGAATAAAGTGCACCACGCGTGGTGTTTTGTATGTACCTTATGAATAAGGATCGGCTAACTCCGTGCCAGCATCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGCAGGGTAAGTCAGATGTGAAAGTTTGGGGCTCAACCGGAAAATTGCAGTTGATACTGGCCGGCTTGAGTGCGGCAGAGGCAGGCAGAATTTGTGGTGTAGCGGTGAAATGCGTAGATATAACGAAGAACACCGATGGCGAAGGCAGCTTGCTGGAGCGTAACTGACGCTGATGCTCGAAAGTGCGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU7101;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.7995),f:"Prevotellaceae"(0.4563),g:Prevotella(0.0615);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGCCCTATGGGTTGTAAACTGCTTTTATACGGGGATAAAGTGACCTACGTGTGGCTTATTGTAGGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCGATTAAGCGTGATGTGAAATGTCGGGGCTCAACCGGGGCAGTGCGTCGCGAACTGGCAGTCTTGAGTGCGTAGGAAGTGTACGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCGCACGGGTGCGTAACTGACGCTCATGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU7100;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9992),c:Gammaproteobacteria(0.9726),o:"Enterob
acteriales"(0.7995),f:Enterobacteriaceae(0.5991),g:Escherichia/Shigella(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
CTTCGGGTTGTAAAGTACTTTCAGCGGGGAAGATGGGAGTAAAGCTAATACCATTACTCATTGATGACACCCTCAGA
AGAAGCACCGTCTAACTCCGTGCCAGCAGCCGCGGTAATACGGTGGGTGCAAGCGGTAATCGGAATTACTGGGCGT
AAAGCGCACGCAGGCGGATTGGTAAGTTAGAAGTGAAATCCCAGGGCTCAACCTGGGAACTGCATCTGATACTGGC
AAGCTTGAGTGTCATAGAGGGGAGTAGAATTCCAGGTGTAGAGGTGAAATGCGTAGAGATCTGGAGGAATACCGGT
GGCGAAGGCGGCCCCCTGGACGAAAACTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCT
GGTA
>OTU7103;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.6
138),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0204);
ACGGAAGGCAGCAGTGTGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
CCTCTGGGTTGTAAACTCCTTTTATGCGGGGATAAAGTGTGCCACGTGTGGCCTTTTGCAGGTCCCGCATGAATCAGG
ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGCAGGCCGCCGGGCAAGCGTGTTGTGAAATGCAGTGGCTCAACGTCGGTACTGCAGCGCGAACTGCACAGCTTG
AGTGCGCGCAAGGTTGGCGGAATTCGCCGTGTAGCGGTGAAATGCTTAGATATGGCGAAGAACTCCGATGGCGAAG
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>OTU7104;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.5174),c:Fusobacteriia(0.2902),o:"Fusobacteriales"(0.
1249),f:"Fusobacteriaceae"(0.0457),g:Fusobacterium(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGACCAAAAGTCTGATCCAGCAATTCTGTGTGCACGATGAAGTT
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GCAAGTCAGATGTGAAATCCCGGGGCTTAACCCCGGAACTGCATTTGAAACTGTTCCCCTTGAGTACCGGAGGGGTA
AGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTCCTGGTCT
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>OTU7106;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:"Bacteroidia"(0.1159),o:"Bacteroidales"(0.0
547),f:"Porphyromonadaceae"(0.0113),g:Barnesiella(0.0056);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCCGAACCAGCCATGCCGCGTGAAGGACTAAGGC
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CATCGGCTAACTCCGTGCCAGCAACCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGG
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>OTU7105;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3319),f:"Prevotellaceae"(0.1098),g:Prevotella(0.0087);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGTCGCAAGCCTGAACCAGCCAAGTAGCGTGAGGGAAGACTGCCCTACGGGTTGTAAACCTCTTTTGTTTGGGAGTAAAGTGCGGGACGCGTCCCGCATTGCATGTACCATTTGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTGATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGTGGGTTAAGCGTGTCGTGAAATGCCGTCGCTCAACGGCGGACGTGCGGCGCGAACTGGTCCACTTGAGTACGCGAGACGTTGGCAGAATTTGTGGTGTAGCGGTGAAATGCTTAGATTTCATGAAGAACTCCGATTGCGAAGGCAGATGAAGGTAGCGCAACTGACGCTGAGGCTTGAAAGTGCGGGTAGCGAGCAGGATTAGATACCCTGGTA

>OTU7107;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9711),o:"Bacteroidales"(0.8737),f:"Prevotellaceae"(0.5273),g:Prevotella(0.1299);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCCGAACCAGCCAAGTAGCGTGAAGGAAGACGGCCCTATGGGTTGTAAACTGCTTTTATACGGGGATAAAGTGAGCCACGTGTGGCTTATTGCAGGTACCGTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGCTGTTAAGCGTGCTGTGAAAGGTTGGGGCTCAACCTGGGCATTGCAGCGGGAACTGGCAGACTTGAGTGCGCAGGAGGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGAGATGACGAAGAACTCCGATTGCGAAGGCAGCTTGCTGTAGCGTAACTGACGCTGAAGCTCGAAAGTGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU7109;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Lachnospiraceae(0.4563),g:Blautia(0.1735);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTATCTCGGTATGGAAACTTCTATCAGCAGGGAAGAAAATGACGGGACCTGACTAAGAAGCCCGGGCTAACTACGTGACAGCAGCCGCGGTAACACGCAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAGCAGCAAGTGTGATGTGAAAGGTAGGGGCTCAACCCCTGGACTGCATTGGAAACTGTTGATCTTGAGTACCGGCGGTGTAAGCGGAATTCGCAGTGTAGCGGTGAAATGCTTAGATATTGGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGTTGACTGACGTTGAGGCTCGAAGGCGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU7110;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9474),c:"Bacteroidia"(0.7114),o:"Bacteroidales"(0.4280),f:Bacteroidaceae(0.0904),g:Bacteroides(0.0181);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGCGTGAGGGATGACTGCCCTACGGGTTGTAAACTTCTTTTGTTTGGGAATAAAGTGCGGGATGTGTACTGCTTTGCATGTACCGTTTGAATAAGGATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCGGTGGGTTAAGCCAGTCGTGAAAGTCCGCGGCTCAACCGTGGACGTGCAGTGGGAACTGGGTCACTTGAGTACGGGGGAGGTTGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTGGCGGTAGCGTAACTGACGCTGAGGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU7108;tax=d:Bacteria(0.8696),p:Firmicutes(0.1508),c:Negativicutes(0.0425),o:Selenomonadales(0.0291),f:Veillonellaceae(0.0073),g:Anaerovibrio(0.0039);
ACGGGAGGCAGCAGTGGGGAATCTTCCGCAATGGGCGCAAGCCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGAGGGGGACGAGAGATATAATCAGGAAATGGGTTATAGAGGACGATTCCTTTCGAGGAAGCCACGGCTAACTCAGTGCCAGCAGCCGCGGTAACACGGGGGATGCGAGCGTTATCCGGATTTATGGGGTTTAAAGGGTGCGTAGGCGGAAGTGCAAGTTAGCGGTGAAATCCCCGCGCTCAACGCGGGAGTTGCCGTTGATACTGTACATCTGGAGTGCACTTGCCGTGGGAGGAATGAGTAGTGTAGCGGTGAAATGCATAGATATTGCTCAGAACACCGGTTGCGAAGGCGGCTCACGGAGGGGCGATTGACGCTGAGGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU7111;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Lachnospiraceae(0.7428),g:Clostridium_XlVa(0.5239);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTAGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTAGGAGAAAGAAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGACGCAAGTCTGGAGTGAAAGCCCGGGGCCCAACCCCGGGACTGCTTTGGAAACTGTGCCGCTTGAGTGCAGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCTTAGATATTAGGAGGAACACCAGTTGCGAAGGCGGCTTACTGGACTGTAACTGACGTTGAGGCTCGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU7112;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9180),o:"Bacteroidales"(0.8303),f:Bacteroidaceae(0.3204),g:Bacteroides(0.0904);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGAAGACTGCCCTATGGGTTGTAAACTTCTTTTATAAGGAAATAAAGTGCACCACGTGTGGTGTTTTGTATGTACCTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGAAGGTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCTGGAAATTGCAGTTGATACTGGCCTGCTTGAGTGCGGGAGAGGCGAGCGGAATTTGTGGTGTAGCGGTGAAATGCGTAGATGTCACGAAGAACTCCGGTGGCGAAGGCAGCTTGCTGGAGTGTAACTGACGCTGACGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU7114;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Ruminococcaceae(0.0355),g:Saccharofermentans(0.0087);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGACGCAAGTCTGACCCAGCAACGCCGCGTGAGTGAAGAAGGTCTTCGGATTGTAAAGCTCTTTGATCAGGGACGAACACAATGACGGTACCTGAAGAACAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGTGTGTAGGCGGGCTCGCAAGTTGGGTGTGTAATACCCAGAGCTTAACCCGGGACATGCATCTGAAACTACGAGTCTTGAGTGTCGGAGAGGTAAGTGGAATTCCTGGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACATCAGTGGCGAAGGAGACTTACTGGACGATAACTGACGCTGAGGCACGAAGGCGTGGGGAGCAAGCAGGATTAGATACCCTGGTA

>OTU7116;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9993),c:Fusobacteriia(0.9877),o:"Fusobacteriales"(0.9940),f:"Fusobacteriaceae"(0.9387),g:Fusobacterium(0.2171);

ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGACCAAACGTCTGATCCAGCAATTCTGTGTGCACGATGAGGTCTTTCGGAATGTAAAGTGCTTTCAGTTGGGACGAAGTAAGTGACGCTACCAACAGAAGACGCGCCGGCTACATACGTGCCAGCAGCCGCGGTAGTACGTGTGTCGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGCGTCTAGGCGGTTTGGTAAGTCTGATGTGAAAATGCGGGGCTCAACTCCGTATTGCGTTGGAAACTGCCAAACTAGAGTACTGGAGAGGTTGGCGGAATTACAAGTGTAGAGGTGAAATTCGTAGATATTTGGAGGAATGCCGATGGGGAAGGCAGCACACTGGACAGATACTGACGCTAAAGCGCGAAAGCGTGGGGAGCAAGCAGGATTAGATACCCTGGTA

>OTU7113;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9992),c:Alphaproteobacteria(0.9975),o:Rhizobiales(0.9866),f:Methylobacteriaceae(0.9573),g:Methylobacterium(0.9743);

GTGTCAGCAGCCGCGGTAATACGAAGGGGGCTAGCGTTGCTCGGAATCACTGGGCGTAAAGGGCGCGTAGGCGGCCATTCAAGTCGGGGGTGAAAGCCTGTGGCTCAACCACAGAATTGCCTTCGATACTGTTTGGCTTGAGTATGGTAGAGGTTGGTGGAACTGCGAGTGTAGAGGTGAAATTCGTAGATATTCGCAAGAACACCGGTGGCGAAGGCGGCCAACTGGACCATTACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTAGTCCACGCCGTAAACGATGAATGCTAGCTGTTGGGGTGCTTGCACCTCAGTAGCGCAGCTAACGCTTTAAGCATTCCGCCTGGGGAGTACGGTCGCAAGATTAAAACTCAAATGAATTGGCGGGG

>OTU7115;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Ruminococcaceae(0.0355),g:Clostridium_III(0.0076);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGGTTTCGGCTCGTAAACTTCTGTCCTATGGGACGAAGGAAGTGACGGTACTATAGGATGAAGCACCGGTTAATTACGTGCCAGCAGCCACGGTAATACGAAGGGGGCGAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCTGGTAAGTCAGGAGTGAAAGTCCTGCTCTTAAGGTGGGAATTGCATTGGATACTGTCGGGCTTGAGTGCAGGAGGGGAAAGCGGAATTACCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGAAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU7118;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9726),o:"Bacteroidales"(0.8955),f:"Prevotellaceae"(0.7787),g:Prevotella(0.2607);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGCCCTATGGGTTGTAAACTGCTTTTATACGGGGATAAAGTGGGTGACGTGTGGTTCATTGCAGGTACCGTACGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTGTTAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGACAGGCTTGAGTGCGCAGAAAGTAGGCTGAATTCGTCGTGTAGCGGTGAAATGCTTAGAAATGACGAAGAACTCCGATTGCGAAGGCAGCTTACGGTAGCGTGACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU7117;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9348),c:"Bacteroidia"(0.7114),o:"Bacteroidales"(0.4280),f:"Prevotellaceae"(0.1291),g:Prevotella(0.0181);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGCGTGAGGGAAGACTGCCCTACGGGTTGTAAACCTCTTTTGTTTGGGAATAAAGTGCGGGACGTGTCCCGCATTGCATGTACCATTTGAATAAGGAACGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGTGGGTTAAGCTTGTAGTGAAATTCCGTGGCTCAACGGCGGACGTGCGGTGAGAACTGCTCAACTAGAGTACGCGGGAGGTTGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCAGGAAGAACTCCGATGGCGAAGGCAGCTGACGGTAGCGCAACTGACGCTCATGCGCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU7119;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9474),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4652),f:"Prevotellaceae"(0.1872),g:Prevotella(0.0230);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTGGGCCACGCGTGGCCTTTTGCAGGTCCCGCTTGAATAAGGACCGCCTAATTCCGTGCCAGCAGCCGCGGTAATCCGGAAGGACCGGGCGTTATCCGGATTTAGTGGGTTTAAAGGGAGCGCAGGCCGCCGGGCAAGCGTGATGTGAAATGCCGGCGCTCAACGTGGGCGCTGCAGCGCGAACTGCACGGCTAGAGTGCGGGAAAGGAGGGCGGAATTCGCAGTGTAGCGGTGAAATGCTTAGATATGGGGAAGAACTCCGGTGGCGAAGGCGGCTGACGGGTGCGTAACTGACGCTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU7120;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Lachnospiraceae(0.1098),g:Coprococcus(0.0157);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGGTGAAGAAGTTTTTCGGAATGTAAAGCCCTATCAGCAGGGAAGATAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGACGAGCAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGAAACTGTTTGTCTTGAGTTCACATAAGGATGGTGGAATTTGTGGTGTAGCGGTGAAATGCATAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTTGCTGGAGCGTAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU7122;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9966),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.5766),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0204);
AAGGGAGGAAGAAGGGAGGAAGAGGGGGGAAGGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTACGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTGGGCCACGTGTGGCCTTTTGCAGGTAACGCGTGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGCCGGGCAAGCGTGTTGTGAAATGCATGCGCCCAGCGTCTGCCCTGCAGCGCGCACTGCCCAGCTTGAGTGCGCGCAACGTTGACGGAATTCGCCGTGTAGCGGTGAAATGCTTAGATATGGCGAAGAACTCCGATTGCGAAGGCAGCTGACGGGTGCGTAACTGACGCTCATGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU7124;tax=d:Bacteria(0.0014),p:"Proteobacteria"(0.0000),c:Gammaproteobacteria(0.0000),o:Alteromonadales(0.0000),f:Alteromonadaceae(0.0000),g:Marinobacter(0.0000);
GACACAAATGCTTAGGGATTTTATTGGTATCAGGGTTAATCGTGCCACGAACAGCGGCCTGGTCAATATAACCAGTCGTGTTAACCGTCGGGCGAGGAGTGGCATTAACACCATCCTTCATGAACTTAATCCACTGTTCACCATAAACGTGACGATGAGGGACATAAAAAGTAAAAATGTCTACAGTAGAGTCAATAGCAAGGCCACGACGCAATGGAGAAAGACGGAGAGCGCCAACGGCGTCCATCTCGAAGGAGTCGCCAGCGATAACCGGAGTAGTGGAAATGGTAAGAAGACGACCAATCGGACGAGCAAGGAAGCCAAGATGGGAAAGGTCATGCGGCATACGCTCGGC
>OTU7121;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.4812),o:Clostridiales(0.2039),f:Ruminococcaceae(0.0560),g:Oscillibacter(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGAGGAAGGTCTTCGGATTGTAAAGCTCTTTGATCAGGGACGAACACAATAACGGTACCTAAAAAACAGGCCCCGGCTAACTACGTGCCAGCGGCCGCGGTAATACGTGGGTGGCAAGCGTTGTCCGGATTTACGGGGGGGAAAGGGCGTGTAGCCGGGTCGGCAAGTCAGATGTGAAATCCACGGGCTTAACCCGTGAACTGCATTTGAAACTGTTGAGCTTGAGTGTCGGAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU7125;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.7995),f:"Prevotellaceae"(0.4563),g:Prevotella(0.0712);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATACAGGGATAAAGTAGGGAACGTGTTCCCTTTTGCAGGTACTGTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGGAGGTCAAGCGTGACGTGAAATGTAGGGGCTCAACCTTTGAATTGCGTCGCGAACTGGCTTTCTTGAGTGAGTACGACGTCAGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACCCCGATTGCGAAGGCAGCTGACGAGTCCTTAACTGACGCTAAAGCTCGAAGGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU7123;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.6138),f:"Prevotellaceae"(0.1291),g:Prevotella(0.0230);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGAAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATGTGGGAATAAAGTCAGGGACGTGTCCCTGTTTGCATGTACCACAGGAATAAGGACCGGCTAATTTCGTGCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGGAGGGTAAGCGTGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGAAACTGGAAGTCTTGAGTGCACGCAGAGGTGCCGGAATTCATGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTTGCTGGAGCGTAACTGACGCTGATGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU7126;tax=d:Bacteria(0.0058),p:"Bacteroidetes"(0.0000),c:Cytophagia(0.0000),o:Cytophagales(0.0000),f:Flammeovirgaceae(0.0000),g:Rapidithrix(0.0000);

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GCCGAGGGTCGCAAGGCTAATGATTCACACGCCGACTGCTATCAGTATTTTTGTGTGCCTGAGTATGGTACAGCTAAT
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>OTU7127;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9180),o:"Bacteroidales"(0.8
303),f:"Prevotellaceae"(0.3204),g:Prevotella(0.0904);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTAGCGCGCAGGACGACTGC
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ales"(0.0000),f:Sphingobacteriaceae(0.0000),g:Mucilaginibacter(0.0000);
TGCCATCCAAAACAGGGTCGCCAGCAATATCGGTATAAGTCACAGCACCTTTAGCGTTAAGGTACTGAATCTCTTTCG
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cillaceae(0.7068),g:Lactobacillus(0.3043);
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955),f:"Prevotellaceae"(0.6350),g:Prevotella(0.3915);
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ACCGGCTAATTCCGTGCCAGCAGCCGCGATAATACTGAAGGACCGGTCGTTATCCGGAATTATTGGGTTTAAAGGGA
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ococcaceae(0.3204),g:Oscillibacter(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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138),f:"Porphyromonadaceae"(0.4224),g:Butyricimonas(0.2171);
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652),f:Bacteroidaceae(0.1291),g:Bacteroides(0.0230);
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685),f:Bacteroidaceae(0.8505),g:Bacteroides(0.7643);
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ococcaceae(0.0355),g:Saccharofermentans(0.0087);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAATGCCGCGTGAGTGAAGAAGGT
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>OTU7137;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8
520),f:"Prevotellaceae"(0.5991),g:Prevotella(0.0904);
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ales"(0.0352),f:Sphingobacteriaceae(0.0086),g:Mucilaginibacter(0.0043);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
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821),f:"Porphyromonadaceae"(0.9852),g:Odoribacter(0.9799);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAGTGGACGAAAGTCTGAACCAGCCAAGTCGCGTGAGGGAAGACTGC
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395),f:"Prevotellaceae"(0.1485),g:Prevotella(0.0181);
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ospiraceae(0.4224),g:Ruminococcus2(0.1735);
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ococcaceae(0.1291),g:Ruminococcus(0.0230);
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280),f:"Prevotellaceae"(0.7787),g:Prevotella(0.3479);
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319),f:"Porphyromonadaceae"(0.0457),g:Parabacteroides(0.0110);
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diaceae_2(0.0355),g:Alkaliphilus(0.0087);
AAGGAAGGCAGAAGGAGGGAAGAGGGGGAAAGGGAGGAAAGGATGACGAAGGGACGCCGCGTGCAGGAAGAA
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138),f:"Prevotellaceae"(0.1679),g:Prevotella(0.0423);
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0547),f:"Fusobacteriaceae"(0.0149),g:Fusobacterium(0.0066);
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CGTCTAGGCGGTTTGGTAAGTCTGATGTGAAAATGCGGGGCTCAAATCCGTAGTGCGTTGGAAACTGTCAAACTAGA
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138),f:"Prevotellaceae"(0.3204),g:Prevotella(0.0326);
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acteriales"(0.8737),f:Enterobacteriaceae(0.7787),g:Escherichia/Shigella(0.3479);
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ospiraceae(0.0457),g:Blautia(0.0076);
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ospiraceae(0.1679),g:Eisenbergiella(0.0423);
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ospiraceae(0.7068),g:Coprococcus(0.5239);
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412),f:"Prevotellaceae"(0.5632),g:Prevotella(0.2607);
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846),f:"Prevotellaceae"(0.6709),g:Prevotella(0.3043);
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846),f:"Prevotellaceae"(0.7787),g:Prevotella(0.4351);
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ospiraceae(0.3204),g:Clostridium_XlVa(0.0904);
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ospiraceae(0.3884),g:Blautia(0.0808);
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diaceae_1(0.3544),g:Clostridium_sensu_stricto(0.1299);
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cillaceae(0.9871),g:Lactobacillus(0.9724);
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ospiraceae(0.1291),g:Parasporobacterium(0.0181);
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CGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCGGTTGCGAAGGCGGCCAGCTGGGCTTT
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diaceae_1(0.5632),g:Clostridium_sensu_stricto(0.3043);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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cillaceae(0.1872),g:Lactobacillus(0.0519);
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cillaceae(0.0710),g:Lactobacillus(0.0157);
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00),f:Haloferacaceae(0.0000),g:Halorubrum(0.0000);
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766),f:Bacteroidaceae(0.1872),g:Bacteroides(0.0519);
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280),f:"Prevotellaceae"(0.1872),g:Prevotella(0.0181);
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acteriales"(0.7995),f:Enterobacteriaceae(0.5991),g:Escherichia/Shigella(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
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Thermus"(0.0000),c:Deinococci(0.0000),o:Thermales(0.0000),f:Thermaceae(0.0000),g:Thermus(0.0000);
CCTGAACTTAATCCCCTGTTCCCCATCAACGTGACGCTGAGGGACATCAAACGTAACAATGTCTACAGTAGAGTCCAT
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>OTU7191;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Rumin
ococcaceae(0.1485),g:Acetivibrio(0.0157);
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streptococcaceae(0.2524),g:Clostridium_XI(0.0712);
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diaceae_1(0.8505),g:Clostridium_sensu_stricto(0.7162);
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>OTU7194;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Lachnospiraceae(0.4914),g:Blautia(0.1735);
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>OTU7196;tax=d:Bacteria(0.9450),p:Firmicutes(0.2586),c:Clostridia(0.0726),o:Clostridiales(0.0473),f:Clostridiaceae_1(0.0073),g:Oxobacter(0.0039);
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>OTU7198;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9762),o:Clostridiales(0.9497),f:Clostridiaceae_1(0.6709),g:Clostridium_sensu_stricto(0.3915);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGCCCTCGGGTTGTAAAACTCTGTCTTCAGGGACGATATTGACGGTGTGCGAGGAGGAAGCAACGGCTAACTACGTTCCAGCAGGCGCGGTAATACGTCGGTGGCGGGGGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTGTAAGTGAGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCATTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGACAATGGAATTCGTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTAGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU7197;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9933),c:Gammaproteobacteria(0.9711),o:"Enterobacteriales"(0.7252),f:Enterobacteriaceae(0.5273),g:Escherichia/Shigella(0.2171);
CCTTTATTCCTCCTTTGTTCCTATTTCCCCCTTGTCGCCCGCCCGCTGCCGCCATGCCGCGTGTATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTTAGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTGCTCATTAACGCTACCTGCAGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTACTACGGTGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGCACGCAGGCGGGTTGTTAAGTCAGATGTGAAAGCCCCGGGCTCAACCTGGGGACTGCATCTGATACTGGCAAGCCTGAGTCTCGTAGAGGTAGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCAGTGGCGAAGGCGGCCCCCTGGACGAAGACTGACGCTCGGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU7200;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachnospiraceae(0.3544),g:Dorea(0.0712);

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>OTU7199;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Ruminococcaceae(0.1291),g:Saccharofermentans(0.0204);

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>OTU7202;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8048),o:Clostridiales(0.5023),f:Ruminococcaceae(0.1872),g:Clostridium_III(0.0326);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGTAAACTTCTTTTACTAGGGACGAAGGACGTGACGGTTCCTGGAGAAAAACCAACGGCTAACTACGTGCCAGCAGACGCGGTAATACGTAGGATGCACGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGATTCAAGTCAGGAGTGAAATCCCGGGGCTCAACCCCGGAACTGCTTTGGAAACTGTATCCCTTGAGTGTCGGAGAGGCGAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTACTGGACGATAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU7201;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9755),o:Clostridiales(0.9389),f:Lachnospiraceae(0.7787),g:Clostridium_XlVa(0.6200);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGGATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCGGAGCAAGTCTGAAGTGAAAACCCAGGGCTCAACTCGGGTACTGCTTTGCAAACTGTTTTGCTAGAGTGTAGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU7203;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Ruminococcaceae(0.2184),g:Saccharofermentans(0.0519);
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CAGTAGGCGGACAACGAACAAGCGCCCGAGTAAACATAGTGCCATGCTCAGGAACAAAGCAACGCGGCACAGAATGTTTATAGGTCTGTTGAACACGACCAGAAAACTGGCCTAACGACGTTTGGTCAGTTCCATCAACATCATAGCCAGATGCCCAGCGATTATAGCGCATGACAAGTAAAGGACGGTTGTCAGCGTCATAAGAGGTTTTACCTCCAAATGAAGAAATAACATCATGGTAACGCTGCATGAAGTAATCGCGTACTTGGTCAGTAGGCAAAGTAGCATAAGCAGCTTGCAGACCCAGAGGATCAATAGATGTGGTAGATGTCGGCATTTGGCGAGAAAGCACAGTCTCAGGAGGAAGCGGAGCAGTCCAAATGTTTTTGAGATGGCAGCAACGGAAACCATAACGGGCATCATCTTGAGTAAGCTCATTAGGGTA
>OTU7206;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Clostridiaceae_1(0.4563),g:Clostridium_sensu_stricto(0.1735);
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>OTU7209;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.9280),f:Bacteroidaceae(0.6709),g:Bacteroides(0.5239);

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>OTU7207;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Clostridiaceae_1(0.2184),g:Clostridium_sensu_stricto(0.0423);

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>OTU7211;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8267),c:Sphingobacteriia(0.1740),o:"Sphingobacteriales"(0.0781),f:Sphingobacteriaceae(0.0252),g:Parapedobacter(0.0076);

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>OTU7212;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Clostridiales_Incertae_Sedis_XIII(0.3204),g:Mogibacterium(0.0808);

ACGGAAGGCAGCAGTAGGGAATCTTGCAAAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAAGGCTGAAGGCCTTCTGGTTGTAAACTTCTGTTCTTAGGGAAGAAGAAAGTGACGGTACTTAAGGAGAAAGCCTCGGCTAACTACGAGCCAGCAGCCGCGGTAATACTTAGGGTGAAAGAGTTATCCGGAATTATTGGGCGTAAAGAGTGCGTAGGTGGTTATCTAAGCGTAAGGTTTAAGCGTGCAGCTCAACTGCATCTCGCCTTGCGAACTGGACTACTTGAGTGCAGGAGGGGAAATCGGAATTCCTAGTGTAGCGATGAAATGCGTAGATATTAGGAGGAACACCAGCGGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGAGAGCAAACAGGATTAGATACCATGGTA

>OTU7208;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Rumin
ococcaceae(0.1872),g:Clostridium_IV(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGAGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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>OTU7210;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Clostri
diaceae_1(0.1291),g:Clostridium_sensu_stricto(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGAAGAAGGT
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ospiraceae(0.3204),g:Clostridium_XlVa(0.0615);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGACTGAAGAAGGA
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ospiraceae(0.2184),g:Parasporobacterium(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGACTGAAGAAGTA
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>OTU7215;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Ruminococcaceae(0.0710),g:Saccharofermentans(0.0087);
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>OTU7216;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Clostridiaceae_1(0.4914),g:Clostridium_sensu_stricto(0.3043);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTTTTAAGTGAGATGTGAAATACTCGGGCTTAATCTGAGTGCTTGATTTCAAACCGGAAGGCTTGAGTGCAGGAGAGGAGGAGGGAAATCCTAGTGTTGCGGTGAAATGCGTAAAGAATAGGGAAAACACCAGGGGCGAAGGCGCTTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU7218;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9507),c:"Bacteroidia"(0.8472),o:"Bacteroidales"(0.6509),f:Bacteroidaceae(0.4224),g:Bacteroides(0.2171);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGATTGAAGAAGGCCTTCGGGTTGTAAAGATCTATAATCAGGGACGAATTTTGACGGTACCTGAAGAACAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACTGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGTACTGGTTAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGTCAGTCTTGAGTACAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTGAGATATCACGAAGAACTCCGAATGCGAAGGCAGCTCACTGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTAGTA
>OTU7217;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Ruminococcaceae(0.0904),g:Saccharofermentans(0.0181);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAAGGAAGAAGGTCTTCGGATTGTAAACTTCTGTTATAGGGGACGAAGTATGACGGTACCCTATGAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTGGGTGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGTGTAGGCGGGATTGCAAGTCGGATGTGAAAACTATGGGCTCAACTCATAGCTTGCATTCGAAACTGTAGTTCTTGAGGGTCGGAGAGGTAACTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU7219;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Bacilli(0.9604),o:Lactobacillales(0.8303),f:Lactobacillaceae(0.5273),g:Lactobacillus(0.2607);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCTGATCTTAAAGCTCTTTTTTTGGTGAAGCAGGATAGAGGTCGTAACTGGCCTTTATTTGACGGTAATCAACCAGCATGTCCCGGCTAACTACGTGCCAGCAGCCTCGGTCATACGTCGGTGGCGAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAGAAACAAGTCTAAGGTGAAAGCCCGCGGCTTAACCGAGGAATTGCATCGGAAACTGTTGTTCTTGAGTGCAGAAGAGGAGAGAGGAACGCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCGCGGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGGAGAGAACAGGATTAGATACCCTGGTA

>OTU7220;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Bacilli(0.2321),o:Bacillales(0.1015),f:Bacillaceae_1(0.0355),g:Bacillus(0.0087);

ACGGAAGGAAGAAGGGGGTCCTCTTGGGCAATTGGCGAACGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGGTTTCGGCTCGTAAACCTCCGTCCTATGGGACGAAGGAAGTGACGGTACCATAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCTGATAAGTCTGGAGTGAAAGTCCTGCGTGCAAGGTGGGAATTGCTTTGGATACTGTTGGGCTGGAGTGCAGGAGAGGAAAGCGGAATGACCGGTGTAGCGGTGAAATGCGTAGAGATCGGTAGGAACACCAGTGGCGAAGGCGGCTTCCTGGACTGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU7223;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Bacilli(0.6346),o:Lactobacillales(0.2359),f:Lactobacillaceae(0.1098),g:Lactobacillus(0.0204);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGGAGCAGTAACTGGTTTCTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAGGGGCGTGCAGCCGGGTCTGCAGGTGATATGTGAAATCCATGGACTCAACCCATGACCTGCATTTGAAACGGTAGATGGGGAGGGTCGGGGGGGCAATCGGAATCCTGAGTGGGGGGGTGAAATGCGTAGATATAAGAAGGAAAACCAGGGGCGAAGGCGGATTGCTGGCCGCTAACGGACGGGGAGGCGCGAAAGTGTGGGAAGCAAAAAGGATTAGATACCCTGGTA

>OTU7221;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Clostridiaceae_1(0.1485),g:Clostridium_sensu_stricto(0.0326);

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acteriales"(0.2999),f:Enterobacteriaceae(0.1485),g:Escherichia/Shigella(0.0230);
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781),f:Bacteroidaceae(0.0252),g:Bacteroides(0.0076);
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ococcaceae(0.0099),g:Saccharofermentans(0.0046);
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0.0000),f:Streptosporangiaceae(0.0000),g:Nonomuraea(0.0000);
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ACCCATAAGGCCACGTATTTTGCCAGCTATTTAACTGGCGGCGCTTGCGTACCCGACGCCCCCAATTAGGGTCCACGC
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ococcaceae(0.0560),g:Saccharofermentans(0.0134);
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>OTU7235;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8448),c:Sphingobacteriia(0.1740),o:"Sphingobacteriales"(0.0781),f:Sphingobacteriaceae(0.0252),g:Pedobacter(0.0076);
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ococcaceae(0.1872),g:Ruminococcus(0.0326);
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CGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACCGT
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GGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCT
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GCTGGCTGCTGAACGCCCTCTTACGGATATTCGCGATGAGTATAATTCCCCCAAAACGAAAGGTATTAAGGATGAGT
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AGGCTCATGCTGATGGTTGGTTTATCGTTTTTGACACTCTCACGTTGGCTGACGACCGATTAGAGGCGTTTTATGATA
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coccaceae_2(0.0560),g:Desulfotomaculum(0.0134);
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>OTU7268;tax=d:Bacteria(0.0041),p:Firmicutes(0.0000),c:Bacilli(0.0000),o:Bacillales(0.0000),f:Listeriaceae(
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TTTTCTTTCCTCTCCCCCTTCTCTCCCCTCCCCTCCTCTTTCCCGTCTTTCCCGAACTTTTTCCAAGTATCGGCACCAGCTT
TATCAATACCATGCAAAATATCAACCACACCAGAAGCAGCATCAGTGACGACATTAGAAATATCCTTTGCAGTAGCGC
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TTTCTTTGATTTGGTCATTGGTAAAATACTGACCAGCCGTTTGAGCTTGAGGAAGCATGTGGCGCATAATCGCGGAAA
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ACGGAAGGCAGCAGTAAGGGATATTGGTCAATGGGCGGGAGCCTGAACCAGCCATGCCGCGTGAGGGATTGAGGCCCTACGGGTCGTAAACCTCTTTTGCCGGGGGATAACGGGAGCCACGTGTGGCGCCGTGAAGGTACCCGGAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGCTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGGCGTCTAAGTGAGCGGTGAAAGCTCGGGGCTTAACCTGTGCAGTGCCGCGGAAACTGGGGTCCTTGAATGCGGTCGAGGGCGGCGGAATGTGGCGTGTAGCGGTGAAATGCATAGATATGCCACAGAACACCGATAGCGAAGGCAGCTGTCCGGGCCTGCATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU7269;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Bacilli(0.9755),o:Lactobacillales(0.9063),f:Lactobacillaceae(0.8146),g:Lactobacillus(0.4351);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAACTCTGTTGTTGAAGAAGAACGTACGTGAGAGTAACTGTTCACGCAGTGACGGTATTCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGAGTTATTGGGCGTAAAGCGAGCGCAGGCGGTTACTTAAGGCGGAGGGGAAAGCCTTCGGCTTAAACGAAGAAGTTGAACGGAAACTGGGTGACTTGAGTGGAGAAGAGGACAGTGAGACTCCATGTGTAGGGGGTGAATGGGTAGATATATGGAAGAACAACAGGGGCGAAGGCGGCTGTCTGGGCTGCAAATGACGCTGAGGCTCGAAAGCATGGGTAGCGAAAAGGATTAGATACCCTGGTA
>OTU7270;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.5766),f:Bacteroidaceae(0.2184),g:Bacteroides(0.0615);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCCGAACCAGCCAAGTAGCGTGAAGGAAGACGGCCCTATGGGTTGTAAACTTCTTTTATGAGGGAATAAAGTGCATCACGTGTGGAGTTATGTATGTACCTCATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGATGGTTAAGCCAGGTGTGAAAGCTTGGGGCTCAACCGGAGAACTGCAGTGGATACTGGGCTGCTTGAGTGCGGGAGAGGCGGGCGGAATTTGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTTGCTGGAGCGTAACTGACGCTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU7272;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9441),c:Spirochaetia(0.8189),o:Spirochaetales(0.5766),f:Spirochaetaceae(0.3884),g:Treponema(0.0904);
ACGGAAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGAACGAAGAAGGCCGGAAGGTTGTAAAATTCTTTTGAAACTGAAGAATAAGTATTGCTGGGAATGGCGATATGGTGACGGTAGGTTTTGCATAAGCCACGGCTAATTACGTGCCAGGCGCCGCGGTAACACGTCCGATGCGAGCGCTGTTCGGAATTATTGGGCGTAAAGGGCATGTAGGCGGTTTTGCAAGCCTGGCGTGAAATGCATAGGCTCAACCTATGAACTGCATTGAGAACTACAAGACTTGAGTTACTTAGATGGAAGTGGAATTCCAGGTGTAGGGGTGAAATCTGCAGATATCTGGAAGAACACCAATGGCGAAGGCAAGTCTCAAGCAGATAACTGACGCTGATGTGCGAAGGTGCGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU7271;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Lachnospiraceae(0.4224),g:Clostridium_XlVa(0.0904);
CGGGAGGCAGCAGCGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCCGTCAGCAGGGAAGAAAATGACGGTACATGACCAAGAAGCCCCGGCTAACTACGTGCCCGCAGGCGCGGGAATACGTAGGGGGCAAGGGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGGGCAAGTCTGAAGTGAAAGCCCGGGGCCCAACCCCGGGACTGCTTTGGAAACTGTCTGGCTGGAGTGCAGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTCACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU7266;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Peptococcaceae_2(0.0252),g:Desulfotomaculum(0.0076);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGCGGGAAGAAGGGCTTCGGCTTGTAAACCTCTGTCTTATGGGACGAAAAGAGTGACGGTACCACAGGGGTAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGCCATACGTGCGGGGCGAGTGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCTGATAAGTCTGGAGTGAAAGTCCTGCGTTCAAGGTGGGAATTGCATTGGATACTGTCGGACTTGAGTGCAGGAGAGGAGAGCGGAATTACCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAATGGCGAAGGCGGCTTTCGGGACTGAAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU7274;tax=d:Bacteria(0.0024),p:"Proteobacteria"(0.0000),c:Gammaproteobacteria(0.0000),o:Xanthomonadales(0.0000),f:Xanthomonadaceae(0.0000),g:Lysobacter(0.0000);
TCTTTTCTTTCTTTTTTTTTCTCTTTCTTTCTTTCTTTCTTCTTCTCTTTCTGGTGTCGCCATGTCTAAATTGTTTGGAGGCGGTCAAAAAGCCGCCTCAGGTGGCATTCAAGGTGATGTGCTTGCTACCGATAACAATACTGTAGGCATGGGTGATGCTGGTATTAAATCTGCCATTCAAGGCTCTAATGTTCCTAACCCTGATGAGGCCGTCCCTAGTTTTGTTTCTGGTGCTTTGGCTAAAGCTGGTAAAGGATTTCTTGAAGGTACGTTTCAGTCTGGCACTTCTGCCGTTTCTGATAAGTTGCTTGATTTGTTTGGACTTGGTGGCAAGTCTGCCGCTGAGAAAGGAAAGGATACTCGTG
>OTU7275;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.6138),f:"Prevotellaceae"(0.1485),g:Prevotella(0.0326);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGTAGTCTGAACCAGCCAAGTAGCGTGAAGGATGACGGCCCTATGGGTTGTAAACTTCTTTTATAGGGGAATAAAGTGTGCCACGTGTACAGTATTGGAGATACCCTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGTTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCTGCCGTGCAAGGGTGTTGTGAAATTCAGGCGCTTAACCTGTGCACTGCAGCTGGAACTGTCAAGCTTGAGTACGGGAAACGTTGGCGGAATTCGCCGTGTAGCGGTGAAATGCTTAGATATGTCGAAGAACTCCGATTGCGAAGGCAGCTGACGGGTGCGTAACTGACGCTGATGCTCGAAAGTGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU7273;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:Sphingobacteriia(0.1159),o:"Sphingobacteriales"(0.0547),f:Sphingobacteriaceae(0.0149),g:Parapedobacter(0.0066);

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GCATCTCACGAAGCAGGCATTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU7276;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Clostridiales_Incertae_Sedis_XII(0.0355),g:Acidaminobacter(0.0087);
ACGGGAGGCAGCAGTAGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
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ACGGAAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGT
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>OTU7278;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Ruminococcaceae(0.1679),g:Flavonifractor(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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>OTU7279;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachnospiraceae(0.2864),g:Blautia(0.0615);

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ococcaceae(0.1485),g:Acetanaerobacterium(0.0326);
CCTTCCTTCCTCCTTCTTTTCTCTTTCCCCCTTTTCTCCCCCCTGATGCAGCGACGCCGCGTGAGGGAAGACGGTCCTCT
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diaceae_1(0.2864),g:Clostridium_sensu_stricto(0.0808);

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0.0352),f:Flavobacteriaceae(0.0086),g:Kordia(0.0039);
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231),f:"Porphyromonadaceae"(0.0059),g:Coprobacter(0.0035);
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ospiraceae(0.3544),g:Dorea(0.0808);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACTCTGATGCAGCGACGCCGCGTGAAGGATGAAGTA
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>OTU7287;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Lachn
ospiraceae(0.5273),g:Clostridium_XlVa(0.3479);

ACGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTAT
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>OTU7289;tax=d:Bacteria(1.0000),p:Firmicutes(0.3448),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Peptococcaceae_2(0.0149),g:Desulfotomaculum(0.0066);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCAGACCCAGCAACGCCGCGTGAGGGAAGAAGG
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AAAGCGGAATTACCGGTATAGCGGTGAAATGCGGAGAGATCGGTAGGAACAACAGTGGCGAAGGCGGCTTGCTGG
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>OTU7291;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Ruminococcaceae(0.1679),g:Clostridium_III(0.0204);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGATCCAGCAACGCCGCGTGAAGGAAGAAGGC
CTTCGGGTTGTAAACCTCTTTTTCCAGGGACGAAGGACGTGACGGTACCTGGAGAAAAAGCAACGGCTAACGACGTG
CCAGCAGCCGCGGTAAGACGGAGGTTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGTTG
CAAGTGGGGAGTGAAATCCCGGGGCTCAACCCCGGAACTGCTTTCCAAACTGTAACTCTTGAGTGTCGGAGAGGAAA
GGGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGA
CAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU7290;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.5174),c:Alphaproteobacteria(0.2321),o:Rhizobiales(0.0781),f:Rhodobiaceae(0.0252),g:Tepidamorphus(0.0076);

ACGGGAGGCAGCAGTGGGGAACATTGGACAATGGGCGAAAGCCTGATCCAGCCATGCCGCATGAGTGAAGAAGGC
TTTCGGGTTGTAAAGCTCTGTTATAGAGGAAGATAATGACGGTACTCTCAGAGGAAGTCCTGGCTAACTCCGTGCCA
GCAGCCGCGGTAATACGTAGAGGGCTAGCGTTATTCGGAATTATTGGGTGTAAAGGGCGCGTAGGCGGATTAGTAA
GTCAAAAGTGAAATGCCAAGGCTCAACCTTGGAGTTGCATTTAAAACTGCTGTTCTTGAGATTGAAAGAGGATAGAG
GAATTCCTGGTGTAGAGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGTCTAGCTGGGTCATAA
CTGACGCTGAGGCGCGAAGGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU7292;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.5
766),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0230);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
CCTATGGGTTGTAAACTGCTTTTATGCAGGGATAAAGTGGGCCACGCGTGGCCTTTTGCCGGTAACGCTTGAATAAG
GACCGGCTAATTCCGTGCCCGCCGCCGCGGTAATACGGGAGGTTCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGCAGGCCGCCGGGCAAGCGTGTCGTGAAATGCAGATGCTCAACGTCTGCACTGCGGCGCGAACTGCTCGGCTT
GAGTGCGTTCAACGTTGGCGGAATTCGCCGTGTAGCGGTGAAATGCTTAGATATGGCGAAGAACTCCGATTGCGAA
GGCAGCTGACGAGGGCGTAACTGACGCTCATGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU7293;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Pepto
streptococcaceae(0.3884),g:Clostridium_XI(0.1735);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
CTTCGGGTCGTAAAGCTCCGTTCTCAAGGAAGATAATGACGGTACTTGTGGAGGATGCCCCGGCTAATTCCGTTCCTG
CAGCCGCGGTAATATGCAGGGGGCTAGCGTTATCCGGATTTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGT
CAGGAGTGAAAGGCTACGGCTCAACCGTAGTAAGCTCTTGAAACTGGGAAACTTGAGTGCAAGAGAGGAAAGTGGA
ATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTAGCGAAGGCAGCCTGCTGGGCTCTAACTG
ACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU7294;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Rumin
ococcaceae(0.1291),g:Saccharofermentans(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCAGCGTGAAGGAAGAAGGT
CTTCGGATTGTAAACTTCTTTTATGAGGGACGAAGGACGTGACGGTACTTCATGATTAAGCCAAGGCTAACTACGAGC
CAGCAGCAGCGGTAATACGTAGGCGGCAAGCGTTATCCGGATTTAATGGGTGTAAAGGGCGCGTAGGCGGGGATG
CAAGTCAGATGTGAAATCTATGGGCTTAACCCATAAGCTGCATTTGAAACTGTATCTCTTGAGTGCTTGCGAGGTAAG
TGGAATTCCTTGTGTAGCGGTGAAATGCGTAGATATAAGGAAGAACACCAGTGGCGAAGGCGATCTACTGGACAGT
AACTGACGCTGAGGCGCGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU7295;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Rumin
ococcaceae(0.4914),g:Anaerotruncus(0.0519);

ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGTCGCGTGAGGGAAGACGGT
TTTCGGATTGTAAACCTCTGGCTTTGGGGACGAAACAAATGACGGTACCCAAGGAGGAAGCTCCGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGTGA
TTAAGTCAAGTGTTAAACCTATCGGCTCAACCGATAGTTGCGCTTGAAACTGGTCATCTTGAGTGGAGTAGAGGCAG
GCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTC
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>OTU7296;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9903),o:Lactobacillales(0.9685),f:Lactoba
cillaceae(0.9015),g:Lactobacillus(0.5720);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
TTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGAGGGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCA
GAAAGTCACGGCTAACGAAGTTCCAGCAGCCGCGGTAATACTTAGGGGGCAAACGGTATCCGGATTTATTGGGCGT
AAAGCGAGCGCAGGCGGTCGCTTAGGTCTGATGTGAAAGCCTTCGGCTTAACCGAAGAAGTACATCGGAAACCGGG
AGACTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGT
GGCGAAGGCGGCTGTCTGGTCTGTAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTG
GTA

>OTU7297;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9755),o:Clostridiales(0.9389),f:Clostri
diaceae_1(0.5991),g:Clostridium_sensu_stricto(0.4351);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCCGATGCAGCAACGCCGCGTGAGTGATGAAGGT
TTTCGGATCGTAAAGCTCTGTCTTTGGGGAAGATAATGACGGTACCCAAGGAGGAAGCCACGGTTAACTACGTGCCA
GCAGCCGCGGTAATAAGTAGGTGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGTGTAGGCGGATGATTAA
GTGGGATGTGAAATACCCGGGCTCACCTTGGGTGCTGCATTCCAATCTGGTTATCTAGAGTTCTGGAGAGGGGAGTG
GAATTCCTAGTGTGGCGGTTACATGCGTAGACATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTACC
TGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATTCCCTGGTA

>OTU7298;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Rumin
ococcaceae(0.0457),g:Faecalibacterium(0.0110);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGAGTGAGTGATGAAGGT
TTTCGGATCGTAAAGCTCGGTCTTTGGGGAAGATAAGGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCC
AGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGAAGGAC
AAGTTGGAAGTGAAACCCACGGGCTCGACCCATGAACTGCTTTCAAAACTGTTTTTCTTGAGTGGTGTAGAGCTAGGC
GGAATTCCCGGTGTATCGGTGGAATGCGTTGATATCGGGAGGAACACCGGTGGCGAAGGCGGCCTACTGGGCCCTA
ACTGCCGCTGGTTCTCGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTG

>OTU7299;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9908),o:Lactobacillales(0.9707),f:Lactoba
cillaceae(0.9294),g:Lactobacillus(0.5720);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
TTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCA
GAAAGTCACGGCTAACTATGTGCCAGCAGCCGCGTTAATACGTATGTGGCAAGCGTTATCCGGGTTTATTGGGCGTA
AAGCGAGCGCAGGCGGATGCTTAAGGTAGATGTGAAAGCCTTAGGCTTAACCGAAGAAGTGCATCGGAAACCGGGC
GACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGAGGTGGAATGCGTAGATATATGGAAGAACACCAGTG
GCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGG
TA

>OTU7301;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9776),o:Clostridiales(0.9685),f:Clostri
diaceae_1(0.7068),g:Clostridium_sensu_stricto(0.5239);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
TTTCGGATCGTAAAGCTCTGTCTTTGGGGAAGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAA
GTGGGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCATTCCAAACTGGTTATCTAGAGTTCAGGAGAGGATAGTG
GAACTACTAGTGTAGCGGAGAAATGCGTAGAGAATAGGGAGAACACCAGTTGCGGAGGCGACTCTCTAGACTGTAA
CTGACGCTGGGACTCGAAGGCGTGAGAGGCAAACAGGATTAGATACCCTGGTA

>OTU7302;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9966),c:"Bacteroidia"(0.9726),o:"Bacteroidales"(0.8
955),f:Bacteroidaceae(0.5273),g:Bacteroides(0.3479);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAAGCAGCCACGTCGCGTGAAGGATGAAGGC
TCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTATGTATAATGATTTGCATGTATTATATGAATAAGGA
TCGGCTAACTCAGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTGTAAAGGGA
GCGTAGGTGGACTGGTAAGTCAGTTGTGAAATCTTGCGGCTCAACCGTAAAATTGCAGTGGATACTGTCAGTCTAGA
GTACAGGATAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCGTAGATATCACGAAGAACTCCTATTGCGAAGG
CAGCTTGCTGGAGTGTAACTGACGCTGATGCGCGAAAGTGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU7300;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:Sphingobacteriia(0.2321),o:"Sphingobacteri
ales"(0.1015),f:Sphingobacteriaceae(0.0355),g:Parapedobacter(0.0076);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
CCTATGGGCTGTGAACCGCTTTTGCCGGGGGGCAATAGGGGCGTCGCGCACGGCCGTTGAGATTACCCGGGGAATA
AGCATGGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAG
GGTGCGTAGGCTGTTCGTCAAGCCAGGGGTGAAATGCACGGGCTCAACTGCGGAGCTGCCGTTGATACTGGCGCGC
TGGAGTGCGGATGACGCAGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACGCAGAACACCGATTGCG
AAGGCATCTGGCGAGTCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA

>OTU7303;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Clostridia(0.9762),o:Clostridiales(0.9497),f:Eubac
teriaceae(0.6350),g:Eubacterium(0.4787);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCTCGATGCAGCGACGCCGCGTGAAGGATGAAGTA
TTTCGGTATGTAAACTTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAATGGTAA
GTCTGATGTGAAAACCCGGGGCTCAACCCCGGGACTGCATTGGAAACTATCAAACTAGAGTGTCGGAGAGGCAAGT
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGATA
ACTGACGTCGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU7304;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Lachn
ospiraceae(0.1679),g:Blautia(0.0326);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAATGCCGCGTGAGTGAAGAAGGT
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AGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGTATCA
AGTCTGATGTGAAAGGCAGGGGCTCAACTCCTGGACTGCATTGGAAACTGGTATGCTTGAGTGCCGGAGGGGTAAG
CGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACATCAGTGGCGAAGGCGACTTACTGGACGAT
AACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU7305;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Rumin
ococcaceae(0.0560),g:Subdoligranulum(0.0134);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAATGCCGCGTGAGTGAAGAGGGT
CTTCGGATTGTAAAGCTCTTTGATTAGGGACGAAAAAATGACTGTACCTAAAGAACAAGCCCCGGCTAACTACGTGCC
AGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGACCGGC
AAGTTGGAAGTGAAATCTATGGGCTCAACCCATAAATTGCTTTCAAAACTGCTGGCCTTGAGTGTGGGAGAGAATAG
TGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGTGGCGAGGGCGACTATTTGGCCCAT
AACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU7306;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9908),o:Lactobacillales(0.9753),f:Lactoba
cillaceae(0.9294),g:Lactobacillus(0.7162);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
TTTCGGCTCGTAAAGCTCTGTTGTTAGAGAAGAACGTGCGTGCGATCAACTGTTCACGCAGTGCCGGTATCTAACCAG
AAAGTCACGGCTAACTACGTACCAGCAGCCGAAGTAATAAGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAA
AGCGAGCGCAGGCGGTTTGATAAGTCTGATGGTCAAGCCTGTGGCTTAACCAAAAAAGTGCATCTGAAACTGTCAGA
CTTGAGTGCAGAAGAGGACAGTGGAACTCCAGGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGC
GAAGGCGGCTGTCTGGTCGGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU7307;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9441),c:"Bacteroidia"(0.5579),o:"Bacteroidales"(0.2
999),f:"Porphyromonadaceae"(0.1098),g:Barnesiella(0.0157);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAACCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGT
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GCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGG
GTGCGTAGGCGGATTGTTAAGCCAGTGGTCAAAACGGGAGGCTCAACCTTCTGTCGCCATTGAAACTGGCAGTCTAG
AGTGAGCGAGAAGTATGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACACAGAACACCGATTGCGAAG
GCATCTGACGAATCCGCTATTGACGCTGATGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA
>OTU7308;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.7
995),f:"Prevotellaceae"(0.3544),g:Prevotella(0.0904);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTAGCGTGCGGGAAGACTGC
CCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTGCAGCACGTGTGCTGTTTTGTAGGTACCGCATGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGCAGGCTGATTATTAAGCGTGACGTGAAATGTAGCGGCTCAAAGGCGGGAGTGCGTTGCGAACTGGTAGTCTT
GAGTGAGTTCGAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAA
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>OTU7309;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:"Bacteroidia"(0.4428),o:"Bacteroidales"(0.2
039),f:"Prevotellaceae"(0.0355),g:Prevotella(0.0087);
ACGGAAGGCAGCAGTGGGGAATATTGGTCAATGGGCGAGAGCCCGAACCAGCCAAGCAGCGTGAGGGATGACGGT
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CATGGGCTAGTTCTGTGACGGCGGCCGCGGTAATTCGGAAGATGTGAGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCCGGAGATCACGCGAGTTGTGAAATGTAGTGGCTCAACCTCTGCACTGCAGCGCAAACTGTTATTCTTG
AGTATGCACAACGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACACCGATGGCGAAG
GCAGCTCACTGGAGCGCAACTGACGCGGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU7312;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.9
389),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGC
TCTAGGGGTCGTAAACCTCGTTTATATAAGAATAAAGTACAGTATGTATAATGTTTTGTATGTATTATATGAATAAGG
ATCGGCTAACTCCGTGCCAGCAGCAGCGGTAATACGGAGGAACCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGTGGACTGGTAAGTTAGATGTGAAAGTTTGCGGCTCAACCGTTAAATTGCAGTTGATACTGGCGGTCTTGA
GTACAGTAGAGGTAGGCGGAATTCGTGGTGTAGCGGTGGAATGCTTAGATATCGCGAAGAACTCCGATTGCGAAGG
CAGCTCACTGGGCTGCAACTGACACTGAGGCTCGAAAGTGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU7310;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9867),c:"Bacteroidia"(0.9726),o:"Bacteroidales"(0.8
955),f:Bacteroidaceae(0.6350),g:Bacteroides(0.4787);

ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGGGAAGACGGT
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GCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGGTAA
GTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGTCAGTCTTGAGTACAGTAGAGGTGGGCG
GAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCTATTGCGAAGGCAGCTCACTGGACTGCAAC
TGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU7313;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Bacilli(0.5579),o:Lactobacillales(0.2359),f:Lactobacillaceae(0.1098),g:Lactobacillus(0.0204);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGACTGGGCGT
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GGCTTGAGTGCGGAAGAGGTAAGTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTT
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TA

>OTU7311;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9988),c:Deltaproteobacteria(0.9762),o:Desulfovibrionales(0.9497),f:Desulfovibrionaceae(0.9201),g:Bilophila(0.6681);

ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGT
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AAGGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGGTAATCGGAATCACTGGGC
GTAAAGCGCACGTAGGCGGATTGGTAAGTCAGTGGTGAAAGTCCGCAGCCCAACTGTGGAACTGCCTTTGATACTGT
CAGGCTTGAGTACCGGAGAGGTTGGCGGAATTCCAGGTGCAGGAGTGAAATGCGTAGATATCTGGAGGAACACCG
GCGGCGAAGGCGGCCACCTGGACGGTAACTGACGCTGATGTGCGAAAGCGTGGGTAGCAAACAGGATTAGATACCC
TGGTA

>OTU7315;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Clostridiaceae_1(0.5632),g:Clostridium_sensu_stricto(0.3043);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
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GCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAA
GTGGGATGTGAAATACCCGGGCTTAACTTGGGTTCTGCATTTCAAACTGGTTTACAAGAGTTGAGGAGAGGAGAATT
GAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAAGAAGGACCACAGTGGCGAAGGCGACTTTCTGGACTGTAA
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>OTU7314;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Clostridiales_Incertae_Sedis_XIII(0.0457),g:Anaerovorax(0.0110);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGAAGAAGGTCTTCGGATTGTAAAGCTCTGTGATTAGGGACGAAAAAATGACTGTACCTTAAGATCAAGCCCCGGCTAACTACGTTCCAGCAGCCGCGGTAATACGTAGGGGGCCAACGTTTTCCGGAATTATTGGGCGTAAAGGGTGCGTAGGTGGTTTAGCAAGTTGGAAGTGAAATACCCAGGGCTTAACTCGGGTGCTGCATTCAAAACTACGAGACTTGAGTGTGGGAGAGAAAAGTGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTAATTGGCCGATAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU7316;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9605),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5023),f:Bacteroidaceae(0.1485),g:Bacteroides(0.0326);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTATGTATACTGTTTTGTATGTATTATATGAATAAGGATCGGCTAACTCCGTGCCAGTAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGATTTTTAAGTCAGCGGTAAAATCGCGAGGCTCAACCTTGTGCCGCCGTTGAAACTGGAGATCTTGAGTGGGCGAGAAGTATGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATGACGCAGAACTCCGATTGCGAAGGCAGCTTTCCAGCGCGCTACTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU7320;tax=d:Bacteria(0.0041),p:"Proteobacteria"(0.0000),c:Gammaproteobacteria(0.0000),o:Thiotrichales(0.0000),f:Thiotrichaceae(0.0000),g:Thiothrix(0.0000);

TCTTAATCATTTTATTAAATATATTATTTTTCTCCAGCCACTTAATTGATTTTATTTATGTTTTGTGCTATTGCTGGCGGTATTGCTTCTGCTCTTGCTGGTGGCGCCATGTCTAAATTGTTTGGAGGCGGTCAAAAAGCCGCCTCCGGTGGCATTCAAGGTGATGTGCTTGCTACCGATAACAATACTGTAGGCATGGGTGATGCTGGTATTAAATCTGCCATTCAAGGCTCTAATGTTCCTAACCCTGATGAGGCCGTCCCTAGTTTTGTGTCTGGTGCTATGGCTAAAGCTGGTAAAGGACTTCTTGAAGGTACGTTGCAGGCTGGCACTTCTGCCGTTTC

>OTU7317;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Peptostreptococcaceae(0.0904),g:Clostridium_XI(0.0181);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGACGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAACCTCTGTCCTCAAGGAAGAAAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGTGGTATCGTAAGTCAGAGGTGAAAGTTCGCGGCTCAACCGTAAGATTGCAGTTGGTACTGGCCTGCTAGAGTGTGGTAGAGGCAGGTGGAATTTGTAGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCGGCTTGCTGGACCGTAACTGACGCTGATGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU7319;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.5174),c:"Bacteroidia"(0.2902),o:"Bacteroidales"(0.1249),f:"Porphyromonadaceae"(0.0457),g:Barnesiella(0.0076);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGT
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CATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGG
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GAGTGTCGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAA
GGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU7318;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Lachn
ospiraceae(0.6350),g:Clostridium_XlVa(0.4351);
ACTTTATTCATCATTTTTTAATATTTCACAATTTTTTTAAACCCTTATTCAGCAACTCCTCTTGAGTGATGAATGTTTTCG
GATCTTAAATCTCTGTCTTTGGGGAAGATAATGACGGTACCCAAGGAAGAAGCCCCGGCTAACTACGTGCCAGCAGC
CGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTTTAGCAAGTCTG
AAGTGAAAGCCCGGGGCTCAACCCCGGTACTGCTTTGGAAACTGTTAGACTTGAGTGCAGGAGAGGTAAGTGGAAT
TCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTAACTGA
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>OTU7321;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:"Bacteroidia"(0.4812),o:"Bacteroidales"(0.2
359),f:Bacteroidaceae(0.1098),g:Bacteroides(0.0204);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACGGC
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CGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGC
GCAGGCTGCTTGTTAAGTCAGATGTGAAAGCCATTGGCTTAACCAAAGAACTGCATTGGAAACTGGTAGACTTGAGT
GCGGAAGAGGACGGTGGAACGCCATGTGTAGCGGCGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGC
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>OTU7322;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.5174),c:Sphingobacteriia(0.0626),o:"Sphingobacteri
ales"(0.0413),f:Sphingobacteriaceae(0.0099),g:Pedobacter(0.0046);
ACGGAAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATGCCGCGTGAAGGACTAAGGCC
CTATGGGCTGTAAACTTCTTTAGACGCAGAGCAATAAGGGCCACGCGTGGTCCGATGAGAGTATGCGTAGAATAAGC
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGT
GCGTAGGCTGTGCGTCAAGTCAGGGGTGAAATTCCGGGGCTCAACTCCGGGGCTGCCCTTGAGACTGTCGCGCTGG
AGTGCGGATGCCGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACTCAGAACACCGATTGCGAAG
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>OTU7323;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:"Bacteroidia"(0.5579),o:"Bacteroidales"(0.2
999),f:"Porphyromonadaceae"(0.1485),g:Butyricimonas(0.0326);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAATGG
TCTATGGCCTGTAAACCTCTTTTGTCAGGGAAGAATAAGGATGACGAGTCATTCGATGCCAGTACTTGACGAATAAGC
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGAATTATTGGGCGTAAAGGG
CGCGTAGACGGCCGAGTAAGTTATAGGTGAAAGCCCATCTTTCAAGGATGGAATTGCCTGTAATACTGCTTGGCTTG
AGTGCAGGAGAGGGAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGGTATTAGGAGGAACACCAGTGGCGAA
GGCGGCTTACTGGACGGCAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU7324;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:"Bacteroidia"(0.4812),o:"Bacteroidales"(0.2
359),f:Bacteroidaceae(0.1098),g:Bacteroides(0.0204);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGC
TCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTATGTATACTGTTTTGTATGTATTATATGAATAAGGA
TCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGA
GCGTAGGCGGTTAATTAAGTTAGATGTGAAATACCCGGGCTTAACTTGGGGGGTGCATCTAATACTGGTAAACTAGA
GTACAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAG
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>OTU7325;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:"Bacteroidia"(0.0726),o:"Bacteroidales"(0.0
473),f:Marinilabiliaceae(0.0086),g:Mangroviflexus(0.0043);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCAAGTCGCGTGCAGGAATAAGGCC
CTATGGGTCGCAGACTTCTTTTGCATGAAAATAAATAGTGGGACGAGTCCCACCCTGTAGGTATCATTCGAATAAGGA
TCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGGGCGTTATCCGGATTCATTGGGTTTAAAGGGTG
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>OTU7327;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Rumin
ococcaceae(0.1872),g:Papillibacter(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGG
TCTTCGGGTTGTAAACTTCTTTTATCAGGGACGAAGGAAGTAACGGTAACTGATGAATAAACCACCGCTAACTACGTG
CCAGCCACCGCGGTAATACGTAGGTGGCGCGCCTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGAATG
CAAGTCAGATGTGAAATCTATGGGCTTAACCTATGAACTGCATTTGAAACTGGATTGCTTGAGTGTCGGAGAGGTAG
ACGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTCCTGGACGA
TAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU7329;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Eubac
teriaceae(0.0710),g:Eubacterium(0.0157);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGT
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AGAAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGAGAAGC
AAGTCAGTGGTGAAAGGTATGGGCTTATCCCATAGACTGCCATTGAAACTGTTTTCCTTGAGTGAAGTAGAGGCAGG
CGGAATTCCGAGTGTTGCGGTGTAATGCGTAGATATTCGGAGGAACACCCGTGGCGATGGCGACCTGCTGGGCTTTA
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>OTU7326;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Rumin
ococcaceae(0.0355),g:Intestinimonas(0.0066);

AAGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCTAGCAACGCCGCGTGAAGGAAGAAGGC
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CAGCAGCCTCGGTAATACATAGGTGGCAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGTGTAGGCGGCAGTAT
AAGTCCGGAGTGAAAGTCCTGCTGTTAAGGTGGGAATTGCTTTGGATACTGCTTGGCTTGAGTGACGGCGAGGAAA
GCGGAATTACCGGTGTAGCGGTGAAATGCGTAGAGCTCGGTAGGAACACCAGTGGTGAAGGCGGCTTTCTGGACTG
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>OTU7328;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9805),o:"Bacteroidales"(0.9
775),f:Bacteroidaceae(0.9108),g:Bacteroides(0.9085);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGC
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CGTAGGTGGACTGGTAAGTCGGATTTGAAAGGTTGCGGCTCAACGGTAAAACTGCAGTTGATACTGGCAGTCTTGAG
TACAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAGGGC
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>OTU7331;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Bacilli(0.9784),o:Lactobacillales(0.9389),f:Lactoba
cillaceae(0.9108),g:Lactobacillus(0.7162);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGG
TTTCGGCTCGTAAAGCTCTGTTGGTAGTGAAGAAAGATAGAGGTAGTAACTGGCCTTTATTTTACGGTAATTACTTAG
AACGTCACGGCTCACTCCGTGCCAGCAGCCGCGGTCATACGTAGGTGCCAAGCGTTGTCCGGTTTTATTGGGCGTAA
AGCGAGTGCAGGCGGTTCCATAAGTCTGATGTGAAAGCCGGCGGCTCAACCGGAGAATTGCATCAGAAACTGTTGA
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>OTU7330;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8808),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.3
959),f:"Prevotellaceae"(0.0560),g:Alloprevotella(0.0134);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGCAAGGCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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>OTU7332;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9719),o:"Bacteroidales"(0.8
846),f:"Prevotellaceae"(0.6709),g:Prevotella(0.1735);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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GAGCGTAGGCCGTCTGTTAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGGATTGCAGCGCGAACTGGCAGACT
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>OTU7335;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9604),o:"Bacteroidales"(0.8
629),f:Bacteroidaceae(0.5273),g:Bacteroides(0.3479);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCCGAACCATCCAAGTAGCGTGAAGGATGACTGCC
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>OTU7336;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9540),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.6
881),f:"Porphyromonadaceae"(0.4914),g:Butyricimonas(0.1735);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAATGG
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CGGCTCTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU7334;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachn
ospiraceae(0.3204),g:Clostridium_XlVa(0.0904);

ATGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGCGAGTGAAGAAGTA
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GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGTTTGATAA
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GAATGTATGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACAGTAA
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>OTU7333;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Rumin
ococcaceae(0.0710),g:Clostridium_III(0.0157);
ACGGGGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCC
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CAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGTGTAGGCGGCGGAT
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ales"(0.0413),f:Sphingobacteriaceae(0.0099),g:Parapedobacter(0.0046);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGTCGTAATACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGTC
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>OTU7340;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.7
995),f:Bacteroidaceae(0.4224),g:Bacteroides(0.2171);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
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>OTU7338;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.7
995),f:Bacteroidaceae(0.3884),g:Bacteroides(0.1735);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGAAGACTGC
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>OTU7337;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Clostri
diaceae_1(0.0457),g:Clostridium_sensu_stricto(0.0110);
ACGGGAGGCAGCAGTGGGGAATTTTGGGCAATGGACGCAACCCTGACCCAGCAACGCCGCGTGAATGATGAAGGTC
TTCGGATTGTAAAGCTCTGTGATGGGGGACGAAGAAAGTGACGGTACCCCAATAGCAAGCCACGGCTAACTACGTG
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652),f:"Prevotellaceae"(0.1485),g:Prevotella(0.0204);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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ACCGGCTAATTCCGTGCCAGCAGCCGCGTTAATACGGAAGGGCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
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>OTU7341;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Rumin
ococcaceae(0.3884),g:Clostridium_IV(0.0519);
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ococcaceae(0.2184),g:Intestinimonas(0.0204);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGTGATGAAGGT
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diaceae_1(0.5273),g:Clostridium_sensu_stricto(0.3479);
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diaceae_3(0.0355),g:Caloranaerobacter(0.0087);

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ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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172),f:"Prevotellaceae"(0.8146),g:Prevotella(0.5239);
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ococcaceae(0.3544),g:Faecalibacterium(0.0423);
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483),f:Bacteroidaceae(0.0560),g:Anaerorhabdus(0.0134);

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999),f:"Prevotellaceae"(0.0904),g:Prevotella(0.0181);
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ospiraceae(0.2184),g:Ruminococcus2(0.0519);
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>OTU7352;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Clostri
diaceae_1(0.2524),g:Clostridium_sensu_stricto(0.0615);
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ococcaceae(0.1485),g:Intestinimonas(0.0230);

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acteriales"(0.7995),f:Enterobacteriaceae(0.5991),g:Escherichia/Shigella(0.2171);
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ospiraceae(0.1291),g:Anaerostipes(0.0204);
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ococcaceae(0.1872),g:Clostridium_IV(0.0181);
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520),f:"Prevotellaceae"(0.4914),g:Prevotella(0.0712);
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teriaceae(0.1485),g:Eubacterium(0.0326);

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ospiraceae(0.3884),g:Clostridium_XlVa(0.1299);

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teriaceae(0.1098),g:Eubacterium(0.0204);

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GCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGAATTATTGGGCGTAAAGAGTACGTAGGCGGGAGATTAA
GCGCAGGGTTTAAGGCAATGGCTTAACCACTGTATGCCCCGTGAACTGATCTTCTTGAGTGCAGGAGGGGAAAGCG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAA
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>OTU7371;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Pepto
streptococcaceae(0.0560),g:Clostridium_XI(0.0134);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCAGCGTGAGGGAAGAATGC
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CCAGCAGCCGCGGTAATACGTCGGGGGCTAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGCGTAGGTGGTTTCTT
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766),f:"Porphyromonadaceae"(0.2184),g:Parabacteroides(0.0615);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTAAGACTGAACCAGCCAAGTAGCGTGAAGGATGACTGTT
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CGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCAAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGC
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>OTU7373;tax=d:Bacteria(0.8319),p:"Bacteroidetes"(0.1707),c:Flavobacteriia(0.0324),o:"Flavobacteriales"(
0.0231),f:Flavobacteriaceae(0.0059),g:Galbibacter(0.0035);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGAGGAGACCCTGATCCAGCCATGCCGCGTGAAGGACTAAGGC
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0.0074),f:Corynebacteriaceae(0.0022),g:Corynebacterium(0.0021);
ACGGAAGGCAGCAGGATTAGATACCCTGGTAAGATCGGAAGAGCACACGACTGAACTCCAGTCACGTAGTTAGCTC
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>OTU7374;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Lachn
ospiraceae(0.0355),g:Blautia(0.0076);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGCAACTCCGATGCAGCGACGTCGCGTGACTGAAGACGTA
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GCCCCCGCGGTTATATGTCAGCGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGTGGTAAGGCAA
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>OTU7375;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.6
881),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0904);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCCGAACCAGCCAAGTAGCGTGCAGGACGACGGC
CCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAACTGTCCCACGTGTGGCATATTGCAGGTACCCTACGAATAAGG
ACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTTCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA

GCGTAGGCCGTCTGATAAGCGTGTTGTGAAATGTCGGGGCTCAACCTCGGCACTGCCGCGCGAACTGTGAGACTTGA
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>OTU7377;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:Sphingobacteriia(0.1159),o:"Sphingobacteri
ales"(0.0547),f:Sphingobacteriaceae(0.0149),g:Parapedobacter(0.0066);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGAAGACGGC
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GTGCGTAGGCGGGGTGGTAAGTCGTGCGTGAAATTTCCACGCCCCACGTGGAACGTGCGTTTGCTACTGGCGTCCTT
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0.0547),f:Flavobacteriaceae(0.0149),g:Kordia(0.0056);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATGCCGCGTGAAGGACTAGGGC
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AGCGTAGGCGGCTTTGCAAGTCAGAGGTGAAAGGCACGGGCTCAACCCGGAAAGTGCAGTTGATAATGGGAGGCT
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>OTU7379;tax=d:Bacteria(0.0024),p:"Spirochaetes"(0.0000),c:Spirochaetia(0.0000),o:Spirochaetales(0.000
0),f:Spirochaetaceae(0.0000),g:Borrelia(0.0000);
GTCTGTTTCTCCTGCTTATCACCTTCTTGAAGGCTTCCCATTCTTTCCGGACCCGCCTTCTGGTGATTTGCAAGACCGCG
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ococcaceae(0.1679),g:Clostridium_III(0.0230);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGGT
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GCGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGA
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riales(0.0000),f:Methanobacteriaceae(0.0000),g:Methanosphaera(0.0000);
AGACCCCTCATGTCAATCGATGTGGTAGAAGTCGTCATTTGGCGAGACAGCTCAGTCTCCGGCGGAAGCGGAGCAGT
CCAAATGTTTTTGAGATGGCAGCAACGGAAACCATAACGAGCATCATCTTGATTAAGCTCATTAGGGTTAGCCTCGGT
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>OTU7381;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Bacilli(0.9180),o:Lactobacillales(0.6881),f:Lactoba
cillaceae(0.4914),g:Lactobacillus(0.1299);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGGCTGATGGAGCAACGCCGCGGGAGTGAAGAAGGG
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,f:Flammeovirgaceae(0.0000),g:Aureibacter(0.0000);
CCTTCCCCTCCTCCCTCTTCCCCTTCTTCCCCGAATCACCAGAACGGAAAACATCCTTCATAGAAATTTCACGCGGCGGC
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639),f:Bacteroidaceae(0.1485),g:Bacteroides(0.0326);
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>OTU7382;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lachnospiraceae(0.3204),g:Clostridium_XlVa(0.0904);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATCTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACGAAGAAGTCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAGTAGCAAGTTTGAAGTGAAAACCCGGGGCTCAACCTCGGAAGTGCATTGAAAACTGTTTATCTAGAGTGCCAGAGGGGTTAGAGGAATTCCTAGTGTAGCGGTGAAATGCGTAAATATTAGGAGGAACACCAGTGGCGAAGGCGGCTATCTGGTCGATAACTGACGTTGAGGCTCGAAGGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU7384;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Lachnospiraceae(0.2524),g:Clostridium_XlVa(0.0712);
ACGGGAGGCAGCAGTGGGGAATAGTGGACAATGGGGGAAACCCTGATCCAGCCACGCCGCGTGAGTGAAGAAGTCTTTCGGTATGTAAAGCTCTATCGCCAAGGAAGAAAATGACGGTACTTTACTAAGAAGCCCCGGCTAACTACGTTCCATCAGCCGCGGCAATCCGCATGCCGCCAGCCTCATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCAAAGCAAGTCTGAAGTGAAAGCCCCGGGCTCAACACGGGAACTGCGTTGGAAACTGTTTAGCTAGAGTGCAGGAGAGGGAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATGAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTAACTGACGTTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU7386;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Lachnospiraceae(0.3204),g:Clostridium_XlVa(0.0519);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGAGGGAACTCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAACTCTATCAGCAGGGAAGAAAGGCCCGCAAGGGAGATGACGGTACCTGACTAAGAAGTCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGACAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGACGGCAGTGCAAGTCTGAAGTGGAAGCCCGGGGCTCAACCCCGGGACTGCTTTGGAAACTGTTCTGCTAGAGTACTGGAAGGGCAAGCGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATCAGGAGGAACACCGGTGGCGAAGGCGGCTTGCCGGACAGCAACTGACGTTGAGGCTCGAGAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU7389;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8628),c:"Bacteroidia"(0.5579),o:"Bacteroidales"(0.2999),f:"Porphyromonadaceae"(0.1485),g:Parabacteroides(0.0157);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATGCCGCATGAAGGACTAAGGCCCTATGGGCTGTAAACTTCTTTAGACGCAGAGCAATAAGGGCCACGCGTGGTCCGATGAGAGTATGCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGATTTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGCTGTGAAAGTTTGTGGCTCAACCATAAAATTGCCGTTGAAACTGGAGGTCTTGAGTATGTTTGGGGCAGGCGGAATGTGTGGTGTAGCTGTGAAATGCATAGATATCACGCAGAACTCCGATCGCGAAGGCAGCTTGCCAAGCCATAACTGACACTGAAGCACGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU7388;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Deltaproteobacteria(0.9798),o:Desulfovibrionales(0.9753),f:Desulfovibrionaceae(0.9294),g:Desulfovibrio(0.9686);
AAGGAAGGAAGAAGAGGGGAAGAGGGGGGAAGGGGAGAAAGAAGGAAGGAGAGACGAAGAGTGAGGGATGAAGGTCTTCGGATCGTAAACCTCTGTCAGAAGGGAAGAAACTAGGGTGTTCTAATCAGCATCCTACTGACGGTACCTTCAAAGGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAAGCACTGGGCGTAAAGCGCACGTAGGCTGTTATGTAAGTCAGGTGTGAAAGCCCACGGCTCAACCGTGGAACTGCCCTTGATACTGCACGACTCGAATCCGGGAGAGGGTGGCGGAATTCCAGGTGTAGGAGTGAAATCCGTAGATATCTGGAGGAACATCAGTGGCGAAGGCGGCCACCTGGACCGGTATTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU7387;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Clostridiaceae_2(0.0252),g:Alkaliphilus(0.0076);
CCTTCCTTCCTCCTTCTTTCCTCTTTCTCCCTTTCTTCCCATCTGCCTCCTTGACGCCGCGTGCAGGAAGAAGGGTTTCGGATTGTAAACTGCTTTAGACAGGGAAGAAACAAGACAGTACCTGTAGAATAAGCTCAGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTATCCGGATTTATTGGGTGTAAAGGGTGCGTAGACGGAGAAGCAAGTTAGTTGTGAAATCCCTCGGCTCAACTGAGGAACTGCAACTAAAACTACTTCCCTCGAGTGCTGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTTCTGGACAGTAACTGACGTTGAGGCACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU7390;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Ruminococcaceae(0.5632),g:Ruminococcus(0.3479);
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>OTU7393;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9348),c:"Bacteroidia"(0.5579),o:"Bacteroidales"(0.2999),f:"Porphyromonadaceae"(0.1485),g:Barnesiella(0.0204);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGAGGACGGTCCTACGGATTGTAAACCTCTTTTGTGGGGGAGTAACGGGCGGGACGCGTCCCGTATTGAGAGTACCCGAAGAAAAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGCGCGCCAAGTCAGCGGTGAAAGTTCGGGGCTCAACCCGGTGTAGCCGTTGAAACTGGCGTGCTCGGGTGCGTGAAAGGGAGGCGGAATGCGTTGTGTAGCGGTGAAATGCATAGATATGACGAAGAACTCCGATTGCGAAGGCAGCTTTCCAGCGCGCTAATGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU7391;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Lachnospiraceae(0.5273),g:Clostridium_XlVa(0.3479);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTATTTCGGTATGTAAACTTCTATCATCAGGGAAGAAGATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTACTACGTAGGTTGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGATGCAAGGCAGATGTGAAAGCGCGGGGCTCAACCAAGGGAGTGCATTTGAAACTGCGGGGCTGGAGTGGAGGAGAGGAAGGAGGAAATCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACGATGACTGACGTTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU7394;tax=d:Bacteria(0.0041),p:"Proteobacteria"(0.0000),c:Gammaproteobacteria(0.0000),o:"Enterobacteriales"(0.0000),f:Enterobacteriaceae(0.0000),g:Erwinia(0.0000);
ATATGAGAAGAGCCCTACCGCTGATTCTGCGTTTGCTGATGACCTAAGTCACCCTCAGCCCTAACCTTGCGAGTCATTTCTTTGCTTTGGTCATTGGTAAAATACTGACCAGCCGTTTGAGCTTGAGTAAGCATTTGGCGCATAATCTCGGAAACCTGCTGTTGCTTGGAAAGATTGGTGTTTTCCATAATAGACGCAACGCGAGCAGTAGACTCCTTCTGTTGATAAGCAAGCATCTCATTTTGTGCATATACCTGGTCTTTCGTATTCTGGCGTGAAGTCGCCGACTGAATGCCAGCAAGCTCGTTTTGAGTCTCATTTTGCATCTCGGCAATCTCTTTCTGATTGGCCAGTTGCAGTGTAGTAAGCTCTGGTTGATTCTCAAATCCGGC
>OTU7392;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Ruminococcaceae(0.4224),g:Saccharofermentans(0.0712);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGATGACGGTCTTCGGATTGTAAACTTCTTTGATTGGGGAAGAACAAAATGACCTACCCAAAGAACAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGACAAGCGTTATCCGGATTTACTGGGCGTAAAGGGCGTGTAGGCGGCCTTGCAAGTCAGAAGTGAAATTCTCGGGCTCAACCCGGGCGCTGCTTCTGAAACTGTAGGGCTTGAGTGCTGGAGGGGATAGCGGAATTCCTAGTGGAGCGGTAAAATGCGTAGATATTAGGAAGAACACCGGTGGCGAAGGCGGCTATCTGGACAGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU7395;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9168),c:Epsilonproteobacteria(0.7881),o:Campylobacterales(0.5023),f:Helicobacteraceae(0.3204),g:Helicobacter(0.0904);
ACGGAAGGCAGCAGTAGGGAATATTGCTCAATGGGGGAAACCCTGAAGCAGCAAAGCCGCGTGGAGGATGAAGGTTTTCGGATTGTAAACTCCTTTTGTTAGAGAAGATAATGACGGTATCTAACGAATAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTACTCGGAATCACTGGGCGTAAAGAGCGCGTAGGCGGGGTAGCAAGTCAGATGCGAAAGGCATGGGCTCAACCTGTGGACTGCATTGGAAACTGTTAGTCCTGAGTGCCGGAGGGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTGACTGGGCTTTAACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU7399;tax=d:Bacteria(0.0041),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Clostridiales(0.0000),f:Syntrophomonadaceae(0.0000),g:Syntrophomonas(0.0000);

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>OTU7397;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Rumin
ococcaceae(0.2524),g:Ruminococcus(0.0519);

ATGGAAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGAAACGCCGCGCGAACGATGAAGGT
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AGCAGCCGCGGTAATACGCAGGGAGCAAGCGTCGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCAGAGC
AAGTCAGATGTGAAATCCGTGGGCTTAACCCAAGAACTGCATTTGAAACTGTTTTGCTTTAGTGAAATAGAGGCAGG
CGGAATTCCCTGTATAGCGGTGAGATGCGTAGAGATAAGGAGGAACACCAGTGGCGAAGGCCGCCTGCTGGGCTTT
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>OTU7396;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.4045),o:Natranaerobiales(0.1483),f:N
atranaerobiaceae(0.0560),g:Dethiobacter(0.0134);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
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AGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGTGTAGGCGGCCAATT
AAGTCTGAAGTGAAATCCCTGGTTTCAAGTCAGGGTCTGCTTTGGAAACTGGTTGGCTTGAGTGCAGGAGAGGTTAT
CGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGGTAACTGGACTG
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>OTU7398;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Bacilli(0.8331),o:Lactobacillales(0.5395),f:Lactoba
cillaceae(0.3204),g:Lactobacillus(0.0808);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
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AAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTATCCGGATTTATTGGGTGTAA
AGGGTGCGTAGACGGGAATATAAGTTAGTTGTGAAATCCCTCGGCTCAACTGAGGAACTGCAACTAAAACTGGAAGC
CTTGAGTGCACGCAGGGGTGCCGGAATTCATGGTGTAGCGGTGAAATGCTTAGATATCATGGAGAACTCCGAAAGC
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>OTU7401;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9887),o:Lactobacillales(0.9389),f:Lactoba
cillaceae(0.9108),g:Lactobacillus(0.5720);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGAGTGAGTGAAGAAGGG
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GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTA
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G

>OTU7403;tax=d:Bacteria(0.0024),p:"Chlamydiae"(0.0000),c:Chlamydiia(0.0000),o:Chlamydiales(0.0000),f:
Chlamydiaceae(0.0000),g:Chlamydia(0.0000);
AGGTGAAGTAAAAGGTTCATACTTAAACATCACTGCAGCAACAATGGAAGAAGTGTACAAGCGTGCTGAGTACGCTA
AAGCTGCTGGTTCTATCGTTGTAATGATCGATTTAGTTATGGGTTACACAGCAATTCAAAGTTCAGCTATCTGGGCTCG
TGAAAACGATATGCTTTTACATTTACACCGTGCCGGTAACTCAACTTACGCGCGTCAAAAAAATCATGGTATTAACTTC
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>OTU7404;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lachn
ospiraceae(0.2184),g:Lactonifactor(0.0615);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTA
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AGTCTGAAGTGAAAGCCCCGGGCTCAACCTGGGTACTGCATTGGAAACTGTATTGCTGGAGTACTGGAGAGGTAAG
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>OTU7402;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9474),c:Gammaproteobacteria(0.8331),o:"Enterob
acteriales"(0.4280),f:Enterobacteriaceae(0.2524),g:Escherichia/Shigella(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
CTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTACTCATTGACGTTACCCGCAGA
AGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGT
AAAGGGTGTGTAGGCGGGCTCGCAAGTTGGATGTGTAATACCCAGAGCTTAACTCGGGTGCTGCATCTGAAACTACG
AGTCTTGAGTGTCGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGT
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GGTA
>OTU7400;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:Sphingobacteriia(0.1159),o:"Sphingobacteri
ales"(0.0547),f:Sphingobacteriaceae(0.0149),g:Parapedobacter(0.0066);

ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATGCCGCGTGAAGGACTAAGGCC
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AGTGCGTATGCTGTGGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATTACTCAGAACACCGATTGCGAAG
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>OTU7405;tax=d:Bacteria(0.0024),p:"Proteobacteria"(0.0000),c:Gammaproteobacteria(0.0000),o:Legionell
ales(0.0000),f:Legionellaceae(0.0000),g:Legionella(0.0000);
AATAACCCTGCCACCAATGCTTAGGGATTTTCTTGGTATCAGGGTTAATCGTGCCACGACACGCGGCATGGTCAATAT
AACCAGTAGTGTTAACAGTCTGGAGAGGAGTGGCATTAACACCATCCTTCATGAACTTAATCCACTGTTCACCATAAA
CGTGACGATGAGGGACATAAAAAGTAAAAATGTCTGCAGTAGAGTCAATAGCAAGGCCACGACGCAATGGAGAAAG
ACGGAGAGCGCCAACGGCGTCCATCTCGAAGGAGTCGCCAGCGATAACCGGAGTAGGTGAAATGGTAATAAGACGA
CCAATCTGACCAGCAAGGAAGCAAAGATGGGAAAGGTCATGCGGCATACGCTCGGCGCCAGTGTGAATATTAGACA
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>OTU7406;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.4311),c:"Bacteroidia"(0.2321),o:"Bacteroidales"(0.1
015),f:"Prevotellaceae"(0.0252),g:Prevotella(0.0076);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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CCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCGGCTTCG
CAAGTCAGCGGTGAAAGGCCCGGGCTCAACCCGGAAAGTGCCGTTGATACTGTGAGGCTGGAATGCGGATGCTGTG
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>OTU7408;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9867),c:"Bacteroidia"(0.9604),o:"Bacteroidales"(0.8
629),f:"Prevotellaceae"(0.6709),g:Prevotella(0.3915);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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GACCGGCTACTTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCCGTCTTATAAGCGAGTTGTGAAATGTCGGGGCTCAACCTGGGAATTGCAGCGCGAACTGTGAGACTTG
AGTGGGGAAGAAGTAGGCGGAATTCGGAGTGTAGCGGTGAAATGCGTAGATATGGCGAAGAACTCCAGTGGCGAA
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>OTU7407;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:"Bacteroidia"(0.2902),o:"Bacteroidales"(0.1
249),f:"Prevotellaceae"(0.0252),g:Prevotella(0.0076);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTAGCGGGAAGGACGAAGGC
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GGCCGGCTAACTCCGGGCCAGCAGCCGCGGTAATACGGAGGACCCGAGCGTTATCCGGATTTATTGGGTTTAAAGG
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AGTTCGGACGATCCCGGCGGAATTCCTCGTGTAGCGGTGACCTGCATAGCTCTCGCGAAGAACCCCGATTGCGTCGG
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>OTU7410;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.5
766),f:Bacteroidaceae(0.1485),g:Bacteroides(0.0326);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACGGC
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>OTU7411;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9348),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.3
959),f:"Prevotellaceae"(0.1098),g:Prevotella(0.0181);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGCGTGAGGGAAGACTGC
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GCGCAGGCCGTGGGTTAAGCGTGTCGTGAAATTCCGTCGCTCAACGGCGGACGGGCGGCGCGAACTGGTCCACTTG
AGTACGCAGGACGTTGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAG
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>OTU7409;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9474),c:Betaproteobacteria(0.8048),o:Burkholderi
ales(0.4652),f:Sutterellaceae(0.2864),g:Sutterella(0.0808);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGT
CTTCGGGTTGTAAAGTTCTTTTATTAAGGACGAAGAAATGACGGTACCCGACTAAGAAGCCCCGTCTAACTACGTGCC
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AGTTAGATGTGAAATCCCCGGGCTTAACCTTGGAATTGCATTTATGACTGCAGAACTCGAGATTGTCAGAGGATAGT
GGAATTCCAAGTGTAGCAGTGAAATGCGTAGATATTTGGAAGAACACCAGTGGCGAAGGCAGCCCTCTGGGACATA
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>OTU7412;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9711),o:"Bacteroidales"(0.8
737),f:"Prevotellaceae"(0.5991),g:Prevotella(0.1299);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGGACCAGCCAAGTAGCGTGCAGGATGACGGC
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GTGCGCGGAAAGCGGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGG
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>OTU7414;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Bacilli(0.9834),o:Lactobacillales(0.9866),f:Lactoba
cillaceae(0.6350),g:Lactobacillus(0.3043);
ACGGAAGGCAGCAGTAGAGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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GACTTGAGTGGATAAGAGGAAGGTGGAACTCCATGTGTAGCGGTGGAATGTGTAGATATATGGAAGAACACCAGTG
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959),f:"Prevotellaceae"(0.1485),g:Prevotella(0.0230);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGC
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GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
TGCGTAGGTTGCCGATTAAGTCAGCGGTGAAAGTCAGTGGCTCAACCATTGAACTGCCGTTGAAACTGGTTGGCTTG
AGTACGTACGGGGCAGGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACCCCGATCGCGAAG
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>OTU7415;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9507),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3
319),f:"Rikenellaceae"(0.1098),g:Alistipes(0.0204);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCATGCCGCGTGCAGGATGACGGCT
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>OTU7418;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9892),o:Lactobacillales(0.9280),f:Lactoba
cillaceae(0.8505),g:Lactobacillus(0.6681);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
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CAAGTCACGGCTAACTACGTGCCATCAGCCGCGGTAATATGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAA
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>OTU7417;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Pepto
streptococcaceae(0.4224),g:Clostridium_XI(0.2171);

AAGGGAGGGAGAAGGAGGGAAGAGGAGAAAAAGGGAGAAAGGATGATGCAGCAACGCCGCGTGAGCGATGAAG
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CAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGATTTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTA
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>OTU7420;tax=d:Bacteria(0.0024),p:"Verrucomicrobia"(0.0000),c:Spartobacteria(0.0000),g:Spartobacteria
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GGTATTGTCTGTGAGCGCTGTGGTGTGGAGGTCACCGAAAGCCGGGTGCGTCGTCACCGGATGGGTTTCATCAAGCT
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AGCTGCTCACCGAGGACGAGTGGGTGGAGATCGAGGACGAGATCTATGCCGAGGAATCGGAGGTCGAGAACGGGC
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>OTU7416;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:"Bacteroidia"(0.5195),o:"Bacteroidales"(0.2
679),f:Bacteroidaceae(0.1291),g:Bacteroides(0.0230);

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>OTU7419;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9933),o:Lactobacillales(0.9798),f:Lactoba
cillaceae(0.9666),g:Lactobacillus(0.9686);

ACTTTCGGCATCAGTCTGGAATCTTCCACACTGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTT
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ococcaceae(0.1098),g:Intestinimonas(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCAAGCAACGCCGCGTGAAGGAAGAAGG
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cillaceae(0.8505),g:Lactobacillus(0.5239);
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GAAAGTCCCGGCTAACTACGTGCCAGCAGCCGCGTAAAGACGTAGGTGGCGAGCGTTATCCGGATTTATTGGGCGTA
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280),f:Bacteroidaceae(0.2524),g:Bacteroides(0.0712);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
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>OTU7424;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Rumin
ococcaceae(0.4563),g:Oscillibacter(0.0423);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGCAGGAAGAAGGC
TTTCGGGTTGTAAACTTCTTTTGTCAGGGACGAGTAGAAGACGGTACCTGACGAATAAGCCCCGGATAACTACGTGC
CAGCAGCCGAGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGAGGGC
AAGGCAGATGTGAAATCCACGGGCTCAACTCGTGACCTGCATTTGAAAATACTCTTCTTGAGTATCGGAGAGGCAAT
CGGAATTCCTAGTGGAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGGCGAAGGCGGATTGCTGGACGA
CAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU7425;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachn
ospiraceae(0.2864),g:Clostridium_XlVa(0.0808);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTT
TTTCGGTTTGTAAAGCTCTGTCTGCAGGGACGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGAGGCA
AGTCTGGTGTGAAAGCCCAGGGCTCAACACTGGAACTGCATTGGAAACTGTAAGGCTAGAGTGCTGGAGAGGTAAG
TGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGT
AACTGACGTTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU7426;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9993),c:Actinobacteria(0.9892),o:Actinomycetales(
0.9938),f:Corynebacteriaceae(0.7068),g:Corynebacterium(0.5720);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGGAAGCCGGATGCAGCGAGGCGGCGGGGGGGGATGACGG
CCTTCGGGTGGTAAACTCCTTTCACCATCGACGAAGGTTTCCGGACGGTAGATGGGGAAGAAGCACCGGCTAACTAG
GGGCCAGCACCCGGGGCAATACGTGGGGGGGGAGCGTGGTCCGGAATTACTGGGCGTAAAGAGCTCGTAGGTGGT
TTGTCGCGTCGTCTGTGAAATTCCGGGGCTTCACTCCGGGCGTGCAGGCGATACGGGCATAACTTGAGTACTGTAGG
GGAGACTGGAATTCCTGGTGTAGCGGTGAAATGCGCAGATATCAGGAGGAACACCGGTGGCGAAGGCGGGTCTCT
GGGCAGTAACTGACGCTGAGGAGCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU7427;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Rumin
ococcaceae(0.1098),g:Clostridium_IV(0.0087);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGATGAAGGT
TTTCGGATCGTAAACCTCTGTCAGGGGGGAAGAAACCCCCTCGTGCGAATAATGCGAGGGCTTGACGGTACCCCCAA
AGGAAGCACCGGCTAACTCCGTGCCAGCAGCTGCGGTAATACGTTGGTGGCAAGCGTTGTCCGGATTTACTGGGTGT
AAAGGGCGTGCAGCCGGGTCTGCAAGTCAGATGTGAAATACTTGGGCTCAACCCGTGAGATGCATTTGAAACTGTAG
GTCTGGAGTGTCGGAGGGGAAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACGCCAGTG
GCGAAGGCGGATTGCTGGACGGTAACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTG
GTA
>OTU7428;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Lachn
ospiraceae(0.1872),g:Blautia(0.0519);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGGGTGATGAAGGT
TTTCTGATCGTAAAGCTCTGTCTTTGGGGAAGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGGAGGATTCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGTATCAA
GTCTGATGTGAAAGGCAGGGGCTCAACTCCTGGACTGCATTGGAAACTGGTATGCTCGAGTGCCGGAGGGGTAAGC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTTCTGGACTGTA
ACTGACACTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU7429;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9321),o:"Bacteroidales"(0.8412),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0808);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
CCTATGGGTTGTAAACTTCTTTTATAAGGGAATAAATGTGGGTACGCGTACCCGTTTGCATGTACCTTCTGAATAAGG
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCGGGCGCTTAAGTCAGTCGTGAAATGTCGGGGCTCAACCTGAGAATTGCAGTTGAAACTGGGTGGCTTG
AGTGCAGTAGAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAG
GCAGCTTGCCGGGGCGTAACTGACGCTGATGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU7430;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Ruminococcaceae(0.1679),g:Clostridium_IV(0.0134);

ACGGGAGGCAGCAGTGGGGAATATTGGTCAGTGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
CTTCGGATTGTAAACTTCTTTTATGAGGGACGAAGGACGTGACGGTACCTCATGAATAAGCCACGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGGATGC
AAGTTAGATGTGAAATCTATGGGCTTAACCCATAAATTGCATTTGAAACTGTATCTCTTGAGTGCTGGAGAGGTAGAT
GGAATTCCTTGTGTAGCTGTGAAACGCGTAGATATAAGGAAGAACACCAGTGGCGAAGGCGACCTCCTGGACAGCA
ACCGCCGCTCAGGCGCGAACGCGTGGGGACCAAACAGGATTAGATACCCTGGTA

>OTU7432;tax=d:Bacteria(0.0041),p:"Verrucomicrobia"(0.0000),c:Opitutae(0.0000),o:Opitutales(0.0000),f:Opitutaceae(0.0000),g:Opitutus(0.0000);

GGGATCGTTTGCGAGCGTGGTGGTGTTGAGGTCACAGAGAGTCGGGTGCGACGTCACCGCATGGGCTTTATCAAGT
TGGCGGCGCCCGTCTCCCATGTTTGGTACCTGAAAGGGATTCCCAGTTATGTGGCCATCCTTTTGGATATGCCCCTTCG
GGATGTTGAGCAGATTGTTTATTTCAACTGTTATGTGGTTCTGGATGCGGGTGATCACAAAGACCTGAAGTACAAGCA
ATTGCTCACGGAAGATGAGTGGCTTGAAATTGAAGACGAGATTTATGCAGAAGATTCAGAAATTGAAAATGAACCCG
TCGTTGGAATTGGTGCCGAGGCGCTGAAGCAGCTCCTTGAGGATCTCCAACTCAATGCGGTGGCTGAACAATTACGT
GAGGAGATTGCTGGTAGCAAGGGGCAGAAACGCGCCAAGCTGACCAAGCGCCTACG

>OTU7431;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Bacilli(0.9711),o:Lactobacillales(0.8412),f:Lactobacillaceae(0.5632),g:Lactobacillus(0.2607);

ACGGGAGGCAGCAGTAGGGAATCTTCCTCAATGGTCGCAAGCCTGATCGAGCAACATCGCGTGAGTGAAGAAGGGT
CTCGGCTCGTAAAGCTCCTTTTTTAGAGAAGAACGTTCCTGAGAGCAACTGTTCACGCAGTGACGGTATCTAACCAGA
AAGTCACGGCTCACTACGTGCCCGCAGCCGCGACAATACGTAGGTGGCAAGTGTTATCCGGATTTATTGGGCGTAAA
GCGAGCGCAGGCGGTTTGATAAGTCTGATGTGAAAGCCTGTGGCTTAACCAAAAAAGTGCATCGGATGCTGGATAA
CTTGAGTGCAGGAGAGGACAGTGGAACTCCAGGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCGGTGG
CGAAGGCGGCTGTCTAGCTTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGT
A

>OTU7433;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9903),o:Lactobacillales(0.9606),f:Lactoba
cillaceae(0.9201),g:Lactobacillus(0.7643);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
TTTCGGATCGTAAAGCTCTGTCGTTGGTGAAGAAGGATAGAGGTAGTAAATGGCCTATACTTGACGGTAATAAACCA
GAAAGTCACGGCTAATTACGTGCCAGCAGCCGCGGTCATAAGTTGGTGGCAAGAGTTGTCCGGATTTATTGGGCGTA
AAGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCCTCGGCTTAACCGAGGAACTGCATCTGAAACTGTTTT
TCTTGAGTGCAGAAGAGGAGGGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGG
CGAAGGCGGCTCTCTGGTCTGCAACTGACGCCGAGGCGCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGT
A

>OTU7435;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9711),o:"Bacteroidales"(0.8
737),f:"Prevotellaceae"(0.6709),g:Prevotella(0.3479);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
TGCGCAGGCGGCGGATCAAGTCAGCGGTCAAACTTCGGGGCTCAACCCCGTTTTGCCGTTGAAACTGATCGGCTGGA
GTCTGTTCGAGGGACGCGGAATGCGAGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACTCCGATTGCGAAGG
CAGCCTGCTGTAGCGTAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU7434;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Clostri
diales_Incertae_Sedis_XIII(0.1679),g:Anaerovorax(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGATGCAGCCACGCCGCGTGAGCGAAGAAGGT
CTTCGGATTGTAAAACTCTGTCCTTGGGGAAGATAATGACGGTACCCTTGGAGGAAGCCACGGCTCACTACGTGCCA
GCAGCCGCGGTACTACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTGCGTAGGTGGTTACCTAA
GCAGGGGGTGAAAGGCACTGGCCTAACCAATGTCAGCCGCCTGAACTGGGCTACTTGAGTGCAGGAGAGGAAAGC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGAGCGTT
ACTGACACTGAGGCACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU7437;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:"Bacteroidia"(0.1740),o:"Bacteroidales"(0.0781),f:"Prevotellaceae"(0.0252),g:Alloprevotella(0.0076);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGCGAGACTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTCTGGTTTGTAAACTGCTTTTAGTTGGGAATAAAACGCGGTACTTGTACCGCGTATTGTATGTACTATCAGAAAAAGGACCGGCTAATTCCGTGCCAGCTTCCGCGGTAATACGGGGTATGCTAGCTTTATCCGGATTTATTGGGTATAAAGGGTGCGTAGGCGGAAGTGCAAGTCAGAGGTGAAATCCCCGCGCTCAACGCGGGAGTTGCAGTTGAAACTGTACATCTGGAATGCTCTTGCCGTGGGAGGAATGAGTAGTGTAGCGGTGAAATGCATAGATATTACTAAGAACACCGATTGCGAAGGCATCTCACGAAGGGGCGATTGACGCTGAGGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU7436;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:"Bacteroidia"(0.1740),o:"Bacteroidales"(0.0781),f:"Porphyromonadaceae"(0.0252),g:Barnesiella(0.0076);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGCCCTACGGGTCGTAAACTGCTTTAGACGCGGAGCAATAAGGTCCACGCGTGGACCGATGAGAGTATGCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCGGCCGAGTAAGTGAGAGGTGAAAGATAGGGGCTCAACCCTTGACGTGCCGCGGATACTGTTCGGCTTGAATGATCACGCCGCGGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACACCGATTGCGAAGGCAGCTCGCGAGGGGTCAATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU7439;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9784),o:Clostridiales(0.9707),f:Lachnospiraceae(0.8146),g:Blautia(0.5239);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGCAGTATCTCGGTATGTAAACTTCTATCAGCAGGGACGATAGTGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCCGCCGCGGTAATACGTAGGGGGCCTGTGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTGTGGCAAGTCTGATGTGAAAGGCATGGGCTCAACGGGTGGACTGCATTGCAAACTGTCATACTTGAGTGCCTGAGGGGTAAGCGGAATTCGTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU7438;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Bacilli(0.9820),o:Bacillales(0.9606),f:Planococcaceae(0.7787),g:Paenisporosarcina(0.5239);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAACTCTGTTGTGAGGGAAGAACAAGTGCGAGAGTAACTGCTCGTACCTTGACGGTACCTCATTAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTATTGGGCGTAAAGCGCGCGCAGGCGGTCCTTTAAGTCTGATGTGAAAGCCCACGGCTCAACCGTGGAGGGTCATTGGAAACTGGGGGACTTGAGTGCAGAAGAGGAAAGCGGAATTCCAAGTGTAGCGGTGAAATGCGTAGAGATTTGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGTCTGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU7440;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Bacilli(0.6730),o:Lactobacillales(0.3639),f:Lactobacillaceae(0.1291),g:Lactobacillus(0.0204);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTGGGGAAGAAAGTGCGTGATAGTAACTGGCCTTGCAGTGACGGTAACAATCAAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTGATAAGTCTGAGGTGAAAGACTTTGGCTCAACCAAGGAAGGGCAGAGGAAACTGGCTTGCTTGAGTGTGGAGGAGGAGAGAGGAACGCCTGGTGTAGCGGTGTAATGCGTAGATATATGGAAGAACACCGGAGGCGAAGGCGGCTGTCTAGGCTATAACTGACACTGAGGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU7442;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9711),o:"Bacteroidales"(0.8737),f:"Prevotellaceae"(0.5991),g:Prevotella(0.1735);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATACGGGGATAAAGTGGGCCACGTGTGGCTTATTGTAGGTACCGTATGAAAAAGGACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTTATAAGCGTGTTGTGAAAGTTCGCGGCTCAACCTTAGCATTGCAGTGCGAACTGGGTGACTTGAGTACGGAGGAGGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU7441;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9993),c:Actinobacteria(0.9877),o:Coriobacteriales(0.9940),f:Coriobacteriaceae(0.9898),g:Slackia(0.9915);

ACGGGAGGCAGCAGTGGGGAATTTTGCACAATGGGGGCAACCCTGACGCAGCGACGCCGCGTGCGGGACGAAGTCATTCGTGACGTAAACCGCTTTCAGCGAGGAAGAACCATGACGGTACTCGCAGAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGAATCATTGGGCGTAAAGCGCGCGCAGGCGGGCTTTCAAGCGGCGGCGTCGAAGCCGGGGGCTCAACCCCCGGAAGCGCCCCGAACTGGAAGCCTCGGATGCGGCAGGGGGAGGCGGAATTCCCGGTGTAGCGGTGAAATGCGCAGATATCGGGAAGAACACCGACGGCGAAGGCAGCCTCCTGGGCCGGCATCGACGCTGAGGCGCGAAAGCTGGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU7444;tax=d:Bacteria(0.0041),p:"Deinococcus-Thermus"(0.0000),c:Deinococci(0.0000),o:Thermales(0.0000),f:Thermaceae(0.0000),g:Thermus(0.0000);

GTCCGCCGCCGTTGCGAGGTACTCCCGGCAAGCGTCAAGGCGCTCGTCTTTTGTATGTCGGTGGTCCACAATTTTCCTTGCAGGGGCTTCGGCCCCTTACTTTAGGATAAATTATGTCTAATATTCAAACTGGCTCCGAGCGTATGCCGCATGACCTTTCCCATCTTGGCTTCCTTGCTGGTCAGATTGGTCGTCTTATTACCATTTCAACTACTCCGGTTATCGCTGGCGACTCCTTCGAGATGGACGCCGTTGGCGCTCTCCGTCGTTCTCCATTGCGTCGTGGCCGGGCGATTGACTCTACTGTAGACATTTTTACTGTTTATGTCCCTCAGCGTCACGTTTATGGTGAACAGTGGATTAAGTGCATGAAGGATGGTGTTAATGCCACTCCTC

>OTU7443;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachnospiraceae(0.4224),g:Anaerostipes(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGCGTAGGTGGTCTGGCAAGTCAGAAGTGAAAACGCAGGGCTTAACCCTGCGACGGCTTTTGAAACTGTAAGACCAGAGGGCAGGAGAGGCAAGCGGAATTCCTAGTGTAGCGGGGAAATGCGTAGATATTAGGAGGAACACCAGGGGCGAAGGCGGCTTGCGGGACTGTTACGGACACTGAGGCACGAAAGCGTGGGGAGAAAACAGGATTAGATACCTGGTA
>OTU7445;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9918),o:Lactobacillales(0.9730),f:Lactobacillaceae(0.9480),g:Lactobacillus(0.9085);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGAAGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGAAGTAAGGGGCCTGTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACGACGGGCAAGCAGCCGCGGGAATACGTAGGTGGCAAGAGTGGTCCGGAGTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAATCCCTCGGCTTAACCGAGGAACTGCATCGGAAACTGTTTTTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGAGATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU7447;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9991),c:Actinobacteria(0.9851),o:Actinomycetales(0.9889),f:Corynebacteriaceae(0.9294),g:Corynebacterium(0.9686);
ACGGGGGCGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGGGGGATGAAGGCCTTCGGGTTGTAAACTCCTTTCGCTAGGGACGAAGATGTATTTTGACGGTACCTGGAGAAGAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCGAGCGTTGTCCGGAGTTACTGGGCGTAAAGAGCTCGTAGGTGGTTTGTCACGTCGTCTGTGAAATCCCGGGGCTTAACTTCGGGCGTGCAGGCGATACGGGCATAACTTGAGTGCTGTAGGGGAGACTGGAATTCCTGGTGTAGCGGTGAAATGCGCAGATATCAGGAGGAACACCAATGGCGAAGGCAGGTCTCTGGGCAGTAACTGACGCTGAGGAGCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU7446;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.9280),f:"Prevotellaceae"(0.9015),g:Prevotella(0.4351);
ACGGAAGGCAGCAGTGAGAAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGTCACGTGTGGCATATTGCAGGTACCCTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGACGCGGTAATACGGAAGGTCGGGGCGTTATCCGGATTCATTGGGTTTAAAGGGAGCGTAAGCCGTCTTATAAGCGTGTTGTGAAATGGCGGGGCTCAATCTTGGCATGGCAGCGCGAACTGTGAGACTTGAGTGTGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTTAAATGCTTAGATATGACGAAGATCTCCGATCGCGAAGGCAGCCTGCTGTAGCGCAACTTACTCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU7449;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9180),o:"Bacteroidales"(0.8303),f:"Prevotellaceae"(0.5632),g:Prevotella(0.1735);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGAAGTCTGAACCAGCCAAGTAGCGTGCAGGACTGCGGCCCTATGGGTTGTAAACTGCTTTTATGGGGGGATAAAAAGTGCCACGTGTGGCATATTGAGGGTACCCTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGACGATCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCCGGTTTATAAGCGTGTGGTGAAATGCCGTGGCCCAACCTCGGAATTGCAGCGGGAACTGGGAGACTTGAATGCGGAGGAAGTAGGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTACTGTAGCGCAACTGACGCTGAAGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU7451;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.9606),f:"Prevotellaceae"(0.8864),g:Prevotella(0.6681);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGAAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTGTACGGGAATAAAGTGCGGGACGTGTCCCGTTTTGTATGTACCGTAAGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCTGGGGATTAAGCGTGACGTGAAAGCCCGCGGCTCAACCGTGGAAGTGCGGCGCGAACTGGTTTCCTTGAGTGTATTCGACGTTAGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTGGCGAGGCTATAACTGACGCTAAAGCTCGAAGGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU7448;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Bacilli(0.9711),o:Lactobacillales(0.8303),f:Lactobacillaceae(0.5273),g:Lactobacillus(0.2607);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGCCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCCGTTGTTGGTGAAGAAGGATCGTGGCAGCAACCGGCCATTATTTGACGGTAATCAACCAGAACGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAGATAAGCCTGAAGTGAAAGCCACCGGCTTAACAGGGGAACTGCGTCGGGAACTGTCCTTCTTGAGTGCAGAAGAGGCGAGTGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCGGTGGCGAAGGCGGCTCTCTAGTCTGCAACTGACGCTGAGGCTCGAAGGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU7452;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.9063),f:"Porphyromonadaceae"(0.6350),g:Parabacteroides(0.3043);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAAGGATGAAGGTTCTATGGATTGTAAACTTCTTTTATGGGGGAATAAAGTGCAGGATGTATCCTGTTTTGTATGTACCTCATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGTGGCCTTTTAAGTCAGCGGTGAAAGTTTGTGGCTCAACCATAAAATTGCCGTTGAAACTGGAGGGCTGGAGTATGTTGGGGGCAGGCGGAATGTGTGGTGTAGCGGTGAAAGGCATAGATATCACGCAGAACTCCGATCGCGAAGGCAGCTTGCCAAGCCATAACGGACACTGAAGCACGAAAGTGGGGGTATCAAACAGGATTAGATACCCGGTA

>OTU7450;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:"Bacteroidia"(0.2321),o:"Bacteroidales"(0.1015),f:"Porphyromonadaceae"(0.0355),g:Barnesiella(0.0087);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGCCCTACGGGTCGTAAACTTCTTTAGACGCAGCGCAATAAGGTCCACGCGTGGACCGATGAGGGTCTGCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGTTGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCGGCCGAGTAAGTCAGAGGTGAAAGACCCGGGCTTAACCCGGGAAGTGCCGTTGATACTGGTTGGCTAGAATGATCCCGCCGCGGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATTAGGCAGAACACCGATTGCGAAGGCATCTCGCGAGAGGTCAATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU7454;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9719),o:"Bacteroidales"(0.8846),f:"Prevotellaceae"(0.5632),g:Prevotella(0.3043);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGCCCTATGGGTTGTAAGCTGCTTTTATACAGGGATAAAGTGGGGCACGTGTGGCTTTTTGTAGGTACTGTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGGCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCTGATGTATAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGAATTGCAGCTGGAACTGTGTAACTTGAGTGCGGTGGAGGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGGACCGCTACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU7455;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9726),o:"Bacteroidales"(0.8955),f:"Prevotellaceae"(0.6709),g:Prevotella(0.2171);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGATATCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGCCCTATGGGTTGTAAACTGCTTTTATACGGGGATAAAGTGAGCCACGTGTGGCTTTTTGCAGGTACTGTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTCGTCTGGTAAGCGAGTTGTGAAAGTTCGGGGCTCAACCGTGACATTGCAGCTCGAACTGGCAGACTTGAGTGCACAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGTAACTGACACTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU7453;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9638),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.6881),f:"Prevotellaceae"(0.3204),g:Alloprevotella(0.0904);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGCGAGACTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTCTGGGTTGTAAACTGCTTTTAGTTGGGAATAAAAGGCGGTACGTGTACCGCGTATTTTATGTACCATCATAAAAAGGACCGCCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAATGTCCAGGCGTTATCCGGATTTATTGGATTTAAAGGGAGCGTAGGCGGATTTTTAAGTCAGTTGTGAAAGGTTGAGGCTAAACCGTAAAATTGCAGTTGAAACTGGAAGTCTGGAGTGCACGCAGAGGTGGCGGAATGCATGGTGTAGCGGTGAAATGCGTAGATATCAGGAAGAACTCCGATCGCGAAGGCAAGTGACTGGAGTGCGACTGACGCTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU7456;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9877),o:Lactobacillales(0.9172),f:Lactobacillaceae(0.8505),g:Lactobacillus(0.5239);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGCCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGGCTTCGGCTCGTAAAGCTCTGTTGGTAGTGAAGAAAGATAGAGGTATTAACTGGCCTTTATTTGACGGTAATTACTTAGAAAGTCACGTCTAACTACGTGCCAGCAGCCGCGGTAATACTAAGGTGGCAAACGGTGTCCGGATTTATTGGGCGTAAAGCGAGTGCAGGCGGATCAATAAGTCTGATGTGAAAGCCTTCGGCTCAACCGTGGAATTGCATCAAAAACTGTTGATCTTGAGTTCGAAAGAGGAGAGTGGAACTCCAAGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTATCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU7460;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Lachnospiraceae(0.1485),g:Clostridium_XlVa(0.0326);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTTAAGAAGTATTTCGGTATGTAAAGCGCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCTGCTAACTACGTGCCAGCATCCGCTGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGGTGCAAGTCTGAAGTGAAATCCCGGGGCTCAACCCCGGTGCTGCTTTGGAAACTGTACTGCTAGAGTGCTGGAGAGGTCAGTGGCATTCCTAGTGTCGCGGTGAAATGCGTAGATATTAGGAGGAACAACAGTCGCGAAGGCGGCTATATGGACTGTAACTGACACTGAGGCACGAACGCATGGGTAGCGAACGGGATTAGATACGCTGGTA
>OTU7457;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9966),c:"Bacteroidia"(0.9719),o:"Bacteroidales"(0.8846),f:"Prevotellaceae"(0.7428),g:Prevotella(0.3479);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGTTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTTCAGGTACCCTATGATTCCGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGTTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTCGTCTTATAAGCGTGTGGGGAAATGTCGAGGGTCAACCTGGGGATTGCAGCGCGAACTGTGAGACTTGAGTGCGGAGGAAGTAGGCGGAATTCGTAGTGTAGCGGTGAAATGCGTAGATATGACGAAGAACACCGATGGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU7458;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Ruminococcaceae(0.3884),g:Gemmiger(0.0423);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGAGGAAGAAGGTTTTCGGATTGTAAACTCCTGTCGTTAGGGACGATAATGACGGTACCTAACAAGAAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAAAACGTAGGGTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGATGCAAGTTGGGAGTGAAATCCATGGGCTCAACCCATGAACTGCTCTCAAAACTGTATCCCTTGAGTATCGGAGAGGCAAGCGGAATTCCTTGTGTAGCGGTGAAATGCGTAGATATAAGGAAGAACACCAGTGGCGAAGGCGATCTACTGGACAGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU7459;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:"Bacteroidia"(0.1159),o:"Bacteroidales"(0.0547),f:Bacteroidaceae(0.0113),g:Bacteroides(0.0056);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGAAGAAGGACCTATGGATTTTAAACTTCTTTTGCCGGAGAGCAATAAAGGTCTCGTGAGAACCGATGAGAGTATCCGACGAATAAGCATCGGCTAACTCCGTGCAAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTCCGGTAAGTCAGTCGTGAAAAGCGCGCGCTCAACGGGGGTCGTGCGTTTGAAACTGTTGGGCTTGAGTGCGGGTGCGGTAGGTGGAATTTGTGGTGTAGCGGTGAAATGCATAGATATCACACAGAACACCGATTGCGAAGGCATCTCACGAGTCCGCAATTGACGCTGAGGCACGAAAGCGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU7461;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9918),o:Lactobacillales(0.9685),f:Lactobacillaceae(0.9201),g:Lactobacillus(0.8124);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGATGGTTAGAGGTATTAACGGGCCTTTATTTGCCGGTAATCAACCAGAAAGTCCCGTCTAACTACGTGCCATAACCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCCTAGGCTTAACCGAGGAACTGCATCGGAAACTGTTTTTCTTGAGTGCAGAAGAGGAGAGTGGAAATCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTAGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU7462;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.9389),f:"Prevotellaceae"(0.9015),g:Prevotella(0.5720);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGAAGGACCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTCCCAAGTGTGGCATATTGCAGGTACCCAAGGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGCAAATACGGAAGATCCGGGAGTTATACGGATTTATTGGGTTTGAAGGGAGCGTAGGCCGTCTTATAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGTGCGACTTGAGTGCTCAGAAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGAATGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGTACAGGATTAGATACCCTGGTA

>OTU7464;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.6138),f:Bacteroidaceae(0.1291),g:Bacteroides(0.0230);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAGGGAATAAAGTTGGGTACGGGTGCCCGTTTGCATGTACTTCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCAGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGCTTTTTAAGTGAGTTGTGAAATTTTGAGGCTCAACCTCAGAACTGCAGTGGAAACTGGAGATCTTGAGTGCAGATGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCATGAAGAACCCCGATTGCGAAGGCAGCTTGCTGGGGTGTAACTGACGCTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU7463;tax=d:Bacteria(1.0000),p:Firmicutes(0.3448),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Lachnospiraceae(0.0252),g:Clostridium_XlVa(0.0076);

ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGCGAAAGCCTGATCCAGCCATGCCGCGTGAATGAAGAAGGACTTTGGGATGTAAACCTCTATTAGTAGGGAAGATAATGACGGTACCTGCAGAAGAAGTCCTGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGGGCTAGCGTTATTCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGTGTAGCAAGTTAAAAGTGAAAGCCAAAGGCTCAACCTTGGAACTGCTTTGAAAACTGTTAAACTAGAGAGCGAAAGAGGTAAGAGGAATTCCTAGTGTAGCGGTGAAATGCGTAAATATTAGGAGGAACACCAGTGGCGAAGGCGGCTAACTGGTTGAAATCTGACGTTGAGGCGCGAAGGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU7465;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Lachnospiraceae(0.1291),g:Clostridium_XlVa(0.0230);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAGGAAGTATTTCGGTATGTAAAGCTCGATCAGCAGGGAAGAAGAAATGAGGGTACCTGACTAAGAAGACCCGGCTAACTAAGTGCCAGCAGCCGCGGTAATACGGAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAGAGGGAGCGTAGGCGGCATGGCAAGTCTGATGTGAAAACCCAGGGCTCAACCGTGGTACTGCATTGGATACTGTCGATCTGGAGTGTCGGAGAGGTAAGCGGAATTCGTAGTGTAGCGGTGAAATGCGTAGATATGATGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGATGACTGACGCTGAGTCTCGAAAGCGTGGGGAGCACACAGGATTAGATACCCTGGTA

>OTU7466;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.9063),f:"Prevotellaceae"(0.7068),g:Prevotella(0.2171);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCCGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTACGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGAGCCACGTGTGGCTTATTGTATGTACCGTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTGTTAAGCGTGATGTGAAATGGCGGGGCTCAACCGGGGAATTGCAGCGCGAACTGGTATACTTGAGTGCGCAGGACGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCTGGCGAGGGCATAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU7469;tax=d:Bacteria(0.0024),p:"Bacteroidetes"(0.0000),c:"Bacteroidia"(0.0000),o:"Bacteroidales"(0.0000),f:Bacteroidaceae(0.0000),g:Bacteroides(0.0000);

GGTATTGTTTGTGAGCGTTGCGGTGTCGAAGTCATCGAAAGCCGCGTGCGTCGTCACCGCATGGGTTTCATCAAGCTGGCTGCGCCGGTGTCCCATGTTTGGTACCTGAAAGGCATCCCCAGCTATGTGGCGATCCTGCTGGACATGCCGCTGCGGGATGTGGAGCAGATTGTCTACTTCAACTGTTATGTAGTGCTGGATCCAGGCGATCACAAGACCCTGAAGTACAAGCAGCTGCTTACTGAGGACGAGTGGCTGGAGATCGAAGATGAGATCTATGCTGAGGACTCTGAAATTGAGACCGAGCCTGAGGGAGGCATCGGCGCTGAAGCGCTCAAGAGTTTGCTTGAGGATCTTGAGCTCAATGAGATCGCTGAACAGCTTCGTGAGGAGATCAGTGGCAGCAAAGGCCAGAAGCGCGCCAAGCTGATCAAGCGTCTGCG

>OTU7468;tax=d:Bacteria(0.9450),p:Firmicutes(0.1310),c:Clostridia(0.0425),o:Clostridiales(0.0291),f:Clostridiaceae_2(0.0073),g:Alkaliphilus(0.0039);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCCGAACCAGCCAAGTCGCGTGAGGGACGAAGGCCCTACGGGTTGTAAACCTCTTTTATAAGGGAATAAAGGGCGCCCCGTGTGACGCATTGCATGTACCTTATGAAAAAGCATCGGCTAACCCCGTGCCATCACCCGCGGTAATATGGAGGATGCGAGCCTTATCCGGATTTATTGGGCGTAAAGGGTGCGTAGACGGTAAGTCAAGTGAGGTGTGAAAGCCCACGGCTTAACTGAGGAACTGCAACTAAAACTGATTTTCTTGAGTACTGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTTCTGGACAGAAACTGACGTTGAGGCACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU7467;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9867),c:Deltaproteobacteria(0.9719),o:Desulfovibrionales(0.8629),f:Desulfovibrionaceae(0.6350),g:Bilophila(0.3915);
ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGTTCTCGGACCGTAAACCTCTGTCAGGGGGGAAGAAACCCCCTCGAGTGAATAATGCGAGGGCTTGGCGGTACCCCCAAAGGAAGCACCGGCTAACTCCGTGCCCGCAGCCGCGGGAATACGGAGGGTGCAAGCGGTAATCGGAATGACTGGGCGTAAAGCGCACGTAGGCGGCTTGGTAAGTAAGGGGTGAAATCCCACAGCCCAACTGTGGAACTGCGTTTGAAACTGCCAGGCTTGAGTACCGGAGGGAGTGGCGAAATTCCAGGTGTAGGAGTGAAAGCCGTAGATATATGGAGGAACACCGGTGGCGAAGGCGGCCACCTGGACGGTAATGGACGCGGGGGTGCGAAGGCGGGGGTAGCAAACAGGATTAGATACCTGGGT
>OTU7471;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9994),c:"Bacteroidia"(0.9776),o:"Bacteroidales"(0.9685),f:"Prevotellaceae"(0.9201),g:Prevotella(0.6200);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGACTTCAAGTTGGAGGTGAAAGGTCAAGGCTTAACCTTGGCACTGCATCCAAAACCGTAGTTCTTGAGTGGAGTAGAGGTAAGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU7470;tax=d:Bacteria(1.0000),p:"Verrucomicrobia"(0.6036),c:Subdivision5(0.3483),g:Subdivision5_genera_incertae_sedis(0.0134);
ACGGGAGGCAGCAGTCGAGGATCATTTGCAATGGGCGAAAGCCCGACAATGCGACGCTGCGTGGAGGATGAAGGCCCTCGGGTCGTAAACTCCTGTCATGGGGGAACAGGCGAAGGCGGCGAACACCCGCCGGAGTTGAGTGTACCCCAAGAGGAAGCGACGGCTAACTCTGTGCCAGCAGCCGCGGTAATACAGAGGTCGCAAGCGTTGTTCGGATTTACTGGGCGTAAAGGGCGCGTAGGCGGCGCGGCGTGTCGGATGTGAAATCCCCGGGCTCAACCCGGGAAGTGCGTCCGAGACTGCCGTGCTCGAGTCCGGAAGGGGGAATCGGAATGCAGGGTGTAGCGGTGAAATGCGTTGATATCCTGCAGAACACCGG

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>OTU7472;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9812),o:Clostridiales(0.9798),f:Rumin
ococcaceae(0.9759),g:Clostridium_IV(0.4351);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
TTTCGGGTTGTAAACTTCTTTTGTCAGGGACGAAACAAATGACGGTACCTGACGAATAAGCCACGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGAGTGC
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>OTU7474;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Lachn
ospiraceae(0.1679),g:Parasporobacterium(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGACTGAAGAAGTA
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GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGTGGTAAGGCA
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>OTU7473;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Rumin
ococcaceae(0.3544),g:Intestinimonas(0.0423);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
CTTCGGATTGTAAACTTCTTTTATGAGGGACGAAGGACGTGACGGTACCTCATGAATAAGCCACGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGGGTGC
AAGTCAGATGTGAAATCTATGGGCTCAACTCATAAACTGCATTTGAAACTGTACTTCTTGAGTACTGGAGAGGTAGAC
GGAATTCCTTGTGTAGCGGTGAAATGCGTAGATATAAGGAAGAACACCAGTGGCGAAGGCGGTCTACTGGACAGCA
ACTGACGCTGAGGCGCGAAAGCGTGGGGAGCGAACAGGATGAGATCCCTGGTA
>OTU7476;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9933),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5
023),f:Bacteroidaceae(0.0710),g:Bacteroides(0.0157);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGCGAGACTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTCTGGGTTGTAAACTGCTTTTAGTTGGGAATAAAAGGCGGTACGTGTACCGCGTATTGTATGTACCATCAGAAAAA
GGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATGCGGAAGGTCAAGGCGTTATCCGGATTTATTGGGTTTAAAGG
GAGCGTAGGAGGATTTTTAAGTCAGCGGTGAAAGTCAGTGGCTCAACCATTGAACTGCCGTTGAAACTGGTTGGCTT
GAGTACGTACGGGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAA
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>OTU7475;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lachnospiraceae(0.3544),g:Clostridium_XlVb(0.0904);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAAGGATGAAGGGTTTCGGCTCGTAAACTTCTATCAATAGGGAAGAAAGAAATGACGGTACCTAAATAAGAAGCCCCTGCTAACTACGTGCCAGCCGCCGCGGTACTACGTAGGGGGCAAGCGTTATTCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGAGAGGCAAGTCTGATGTGAAAATCCGGGGCTTAACCCCGGGAGTGCATTGGATACGGTCTATCTGGAGTGGGGTAGAGGCAAGCGGAATTCCGAGTGTAGAGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGTTATAACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAGCAGGATTAGATACCCTGGTA
>OTU7477;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9903),o:Lactobacillales(0.9606),f:Lactobacillaceae(0.9108),g:Lactobacillus(0.7643);
ACGGAAGGCAGCAGTGGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCACAACGTCACGGCTAACTCCGTGCCCGCAGCCGCTGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAGATAAGTCTAATGTGAAAGCCCTCGGCTTAACCGAGGAACTGCATCGGAAACTGTTGTGCTTGAGTGCAGAAGAGGAGAGTGGAACTCCAAGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCGGCAACTGACGCTGAGGCTCGAAAGCATGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU7481;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9871),o:Lactobacillales(0.8955),f:Lactobacillaceae(0.7787),g:Lactobacillus(0.5239);
ACTTTATTCCTCAGTAGTTAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGGTGGTGAAGATGGATAGAGGTAGTAACTGGCCTGTATTTGACGGTAATCAACCAGAAAGCCACGGCTAACTACGTGCCAGCACCCGCGGTAGTACGTAGGGGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGTCGGAAAAATAAGTCTAAAGTGAAAGCCCTCGGCTTAACCGAGGAATTGCATCGGAAACTGTTTTTCTTGAGAGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGAAACTGACGCTGAGGCGCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU7478;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9762),o:Clostridiales(0.9497),f:Ruminococcaceae(0.9015),g:Clostridium_IV(0.1299);
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172),f:"Prevotellaceae"(0.8146),g:Prevotella(0.4351);
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cillaceae(0.8864),g:Lactobacillus(0.6681);

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ococcaceae(0.4563),g:Flavonifractor(0.0423);
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999),f:"Prevotellaceae"(0.0457),g:Prevotella(0.0110);
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959),f:"Prevotellaceae"(0.0904),g:Prevotella(0.0157);
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172),f:"Prevotellaceae"(0.8146),g:Prevotella(0.4351);
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352),f:Prolixibacteraceae(0.0086),g:Prolixibacter(0.0043);
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707),f:Bacteroidaceae(0.9015),g:Bacteroides(0.8605);
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0.0413),f:Flavobacteriaceae(0.0099),g:Capnocytophaga(0.0046);
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652),f:"Porphyromonadaceae"(0.2524),g:Butyricimonas(0.0326);
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843),f:Bacteroidaceae(0.9201),g:Bacteroides(0.9566);
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679),f:Bacteroidaceae(0.1291),g:Bacteroides(0.0230);
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520),f:"Prevotellaceae"(0.5273),g:Prevotella(0.1299);
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>OTU7532;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Rumin
ococcaceae(0.0457),g:Clostridium_III(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGACGCAACTCTGATCCAGCCATGCCGCGTGAAGGACTAAGGCC
CTATGGGCTGTAAACTGTTTTTGCTGGGGAGCAATAAGGGTCACGCGCTGACCCGATGCGAGTACACAGCGAATAAG
CATCGCCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGGGCGTTATCCGGATTTACTGGGTGTAAAGGG
CGCGTAGGCGGGGATGCAAGTCAGATGTGAAAACTAAGGGCTTAACCCATAGACTGCATTTGAAACTGAGTTGCTTG

AGTGTAGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAA
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>OTU7534;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9835),c:Actinobacteria(0.9719),o:Actinomycetales(
0.8629),f:Thermomonosporaceae(0.4563),g:Actinoallomurus(0.2171);
GTGCCAGCAGCCGCGGTAACACGTAGGGCGCAAGCGTTGTCCGGAATTATTGGGCGTAAAGAGCTCGTAGGTGGTC
CGCCGCGTCCGCTGTGAAAATCCAGGGCTTAACCCTGGACTTGCAGTGGATACGGGCGAACTAGAGGTAGGTAGGG
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>OTU7537;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Rumin
ococcaceae(0.2524),g:Clostridium_III(0.0326);
CCTTCCTTCCTCCTTTTTTCCTCTTTCTCCCTTTTTTCCCCCCTGACGCAGCAACGCCGCGTGAAGGATGAAGGCCTTCG
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AGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGTCAGCAAGT
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AATTCCTAGTGTAGCGGTGAAATGCATAGAGATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACAGTAAC
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>OTU7535;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Clostri
diaceae_3(0.0355),g:Caloranaerobacter(0.0087);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGCCCCAGCAACGCCGCGTGAGGGAAGAAGG
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ACGGCCGGCCTCCTCTCAGCCTCTTCCTCCCTGGACGAAAGTCTGACGGAGCGACGCCGCGTGGATGATGAAGGCCG
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>OTU7538;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Clostridiaceae_3(0.0710),g:Caloranaerobacter(0.0157);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCCTAAGGGACGAAGGAAGTGACGGTACCTTAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAGTGACTGGGCGTAAAGGGCGTGTAGGCGGCAGTATAAGTCCGGAGTGAAAGTCCTGCTTTCAAGATGGGAATTGCTTTGGATACTGTAGGGCTTGAGTGCAGGAGAGGTTATCGGAATTCCCGGTGTAGTGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU7539;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9835),c:"Bacteroidia"(0.5579),o:"Bacteroidales"(0.2999),f:"Prevotellaceae"(0.0710),g:Prevotella(0.0157);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATACGGGGATAAAGTCATCAACGTGTGGACGTTTGTAGGTACCGTATGAAAAAGGATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGCCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGACGGTCAAGTGAGTTGTGAAATGTTGCCGCTCAACCGTTGAATTGCATTTGAAACTGTTTGTCTTGAGTTCATACAATGATGGTGGAATTTGTGGTGTAGCGGTGAAATGCATAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCAACAGGGGCGCGACTGACGCTAAGGCTCGAAAGTGCGGGAATCAAACAGGATTAGATACCCTGGTA
>OTU7540;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),g:Natranaerovirga(0.0110);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCGATGCCGCGTGAAGGACGAAGATTTTCGGATTGTAAACTTCTATCAGCAAGGAAAAAAGAGGATAGTACTTGACTAAGCAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGCGTAGGCGGCTATGCAAGTTTGGTGTCAAAGACCGCAGCTTAATTGCGGGCAGGCGCTGAAAACTGTGTAGCTGGAGTATATGAGAGGGAACCGGAATTCCTAGTGTAGGGGTGAAATCTGTAGATATTAGGAAGAACACCAATGGCGAAGGCAGGTTTCTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU7541;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Peptostreptococcaceae(0.3204),g:Clostridium_XI(0.0904);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCGCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGATTTACTGGGCGTAAAGGGGGCGTAGGTGGTTTCTTAAGTAAGAGGTGAAAGGCTACGGCTCAACCGTGAAATGCCTTTAAAACTGGTAAACTTGAGTGCAGGAGAGGAGAGAGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU7543;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:"Bacteroidia"(0.4428),o:"Bacteroidales"(0.2039),f:Bacteroidaceae(0.0457),g:Bacteroides(0.0110);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGTAAGGCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCACCTACGTGTAGGTGTTTGTATGTACTTTATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCCTCGGCTTAACCGGGGAACTGCATCGGAAACTGTTGGACTGGAATGCGGATGCCGTGGGAGGAATGTGTGGTGTAGCGGTGAAATGCATAGATATCACACAGAACACCGATTGCGAAGGCATCTCACGAATCCGCAATTGACGCTGAGGCACGAAAGCGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU7542;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Ruminococcaceae(0.0904),g:Clostridium_IV(0.0181);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGGATGAAGAAGGCCTTCGGATTGTAAACCTCTGTCTTCGGGGACGATAATGACGGTACCCTGGGAGGAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAAAACGTAGGTTGCAAGCGTTGTCCGGAGTTACTGGGTGTAAAGGGAGCGTAGGCGGATTTTCAAGTGGGCAGTGAAATCTATGGGCTCAACTCATGAGTTGCTTTTCAAACTGGCAGTCTTGAGTGCAGGAGAGGTAGGCGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATCAGGAAGAACACCAGTGGCGAAGGCGACCTACTGGACAGTAACTGACGCTGAGGCTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU7544;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Clostridiales_Incertae_Sedis_XIII(0.1872),g:Mogibacterium(0.0519);

ACGGAAGGCAGCAGTAGGGAATCTTGTACAATGGGCGAAAGACTGATGCAGCAACGCCGCGTGAGGGATGAAGGCCTTCGGGTTGTAAACTTCTGTTCTTAGGGAAGAAGAAAGTGACGGTACCTAAGGAGAAAGCCCTGGCTAACTACGTGCCAGCAGGCGCGGTAATGCGTAGGGGGCAAGTGTTATCCGGAATTATTGGGCGTAAAGAGTGCGTAGGTGGTTATCTAAGCGTAAGGTTTAATCGTGCTGCTCAACTGCCTCTCGCCTTGCCAACTGGACTACTTGTGTGCAGTAGGGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGTGTAGAGATTAGGAGGAACACCAGCGGCGAAGTCGGCTTTCTGGACTGTAACTGACTCTTACGCACGAAAGCGTGGAGAGCAAACAGGATTAGATACCCTGGTA

>OTU7547;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:Sphingobacteriia(0.2321),o:"Sphingobacteriales"(0.1015),f:Sphingobacteriaceae(0.0355),g:Parapedobacter(0.0066);

ACGGAAGGCAGCAGTAAGGGATATTGGTCAATGGGCGGGAGCCTGAACCAGCCATGCCGCGTGAGGGAATGAGGCCCTACGGGTCGTAAACCTCTTTTGCCGGGGGATAACGGGCGCTACGGGTGGCGCCGTGAAGGTACCCGGAGAATAAGCATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGATGCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGACTTCTAAGTCAGAGGTGAAAGTTCCGGGCTCAACCGGGGCAGTGCGGATGAAACTGGGGGTCTTGAATGCGGTAGAGGCCGGCGGAATGTGTCGTGTAGCGGTGAAATGCATAGATATGCCACAGAACACCGATAGCGAAGGCAGCTGGCCGGGCCTGCATTGACGCTGAGGCACGAAGGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

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ococcaceae(0.1679),g:Clostridium_IV(0.0157);
ACGGGAGGCAGCAGCGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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>OTU7546;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8628),c:"Bacteroidia"(0.5579),o:"Bacteroidales"(0.2
999),f:"Prevotellaceae"(0.0904),g:Alloprevotella(0.0157);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATAGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGA
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cillaceae(0.1098),g:Lactobacillus(0.0204);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
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>OTU7548;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Lachn
ospiraceae(0.2524),g:Hespellia(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAATGATGAAGTC
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TTGAAAGGGAAACGATTGAAGCCAGTCGTACCGACGGGAAATCAACTTCTCGAGTGCCTATCATGGGTGACGTTGAGCTTAACGGCCTTCGATGCTTGTGTTTGTTGGTGCTTTTTGGGTGTACTTTTCCGTATGGTAGGTCAGCATCGATTTTAATCGTCATAAAATGATCGGGGGAATGTAGCTTCGGTCTCGTATCGGAGTGTTATAGACCTTGGTAGATGTGACGATTGGGATCGAGGATTGCAACGAATACCCTCTGGGCTATCCGTCTGTCCTCTGAAAGTCGCTCGGGTGTCGAAAGCTTGCTTATGGCTATTCGAGTCGGCGGTCAACAGGTTAGAACGTGATTATATTCGTTAAGGATGCTGACGTA
>OTU7554;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9711),o:"Bacteroidales"(0.8737),f:Bacteroidaceae(0.5632),g:Bacteroides(0.3915);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGTCTGAACCAGCCAAGTAGCGTGAAGGATGACGGCCCTATGGGTTGTAAACTTCTTTTATATGAGAATAAAGTGCAGTACGTATACCGTTTTGTATGTATTATACGAATAAGGATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGAATAGTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAGCACTGCAGTTGATACTGTCAGTCTTGAGTACAGTAGAGGTCGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCTTACTGGACTGCAACTGACGCTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU7553;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:"Bacteroidia"(0.4045),o:"Bacteroidales"(0.1719),f:"Porphyromonadaceae"(0.0710),g:Barnesiella(0.0157);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGAAGGAAGGAGGTCCTATGGATTGTAAACTGCTTTTTTCGGGGAATAATAAGACGTTCGCGAAGGTTGATGCAGGTACCTGAAGAATAAGGATCGGCCAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCGGCTTTGCAAGTCGGCGGGTAAAGGCCCGGGCTTAACCCGGGTGGTGCCGTGGATACTGGGGAGCTGGAATGCAGGTGAGGAGGGAGGAATTCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACACCGATTGCGAAGGCATCTCTCAGGTCCGCTATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
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teriaceae(0.4224),g:Eubacterium(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCAACGCCGCGTGGAGGAAGACGGT
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:Synergistaceae(0.0113),g:Dethiosulfovibrio(0.0043);
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cillaceae(0.0000),g:Pediococcus(0.0000);
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teriaceae(0.1291),g:Eubacterium(0.0230);

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acterales(0.1719),f:Syntrophaceae(0.0710),g:Desulfomonile(0.0157);
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547),f:Prolixibacteraceae(0.0149),g:Tangfeifania(0.0066);
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>OTU7561;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Pepto
coccaceae_2(0.0355),g:Desulfotomaculum(0.0087);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGG
GTTTCGGCTCGTAAACCTCTGTCCTATGGGACGAAGGAAGTGACGGCACCATAGGAGGAAGCCCCGGCCAACTACGT
GCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTCGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCAC
GCTAAGTCTGGAGTGAAAGTCCTGCCGTCAAGGTGGGAATTGCTTTTGATACTGGAAGGCTTGAGTGCAGAAGAGG
TAAGTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGA
CGATAACTGACGCTGGGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU7562;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Lachn
ospiraceae(0.4563),g:Clostridium_XlVa(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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CAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCAGAG

CAAGTCCGATGTGAAAGCCCGCGGCTCAACCGCGGGACTGCATTGGAAACTGCCCGGCTGGAGTGCAGGAGAGGTA
AGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACG
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>OTU7564;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:"Bacteroidia"(0.1159),o:"Bacteroidales"(0.0
547),f:"Porphyromonadaceae"(0.0149),g:Barnesiella(0.0066);
ACGGAAGGCAGCAGTAAGGGATATTGGTCAATGGGCGGGAGCCTGAACCAGCCATGTCGCGTGAGGGAATAAGGC
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GCGCAGGCGGGCGCTTAAGTGGGCGGTGAAATGTCGCGGCTCAACCGGGTAAGTGCCGCGGGAACTGGGGGCCTT
GAGTGAGGTCGAGGCAGGCGGAATGTGGCGTGTAGCGGTGAAATGCATAGATATGACAAAGAACACCGATAGCGA
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>OTU7563;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:Flavobacteriia(0.1740),o:"Flavobacteriales"(
0.0781),f:Flavobacteriaceae(0.0149),g:Tenacibaculum(0.0066);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGATGGAAATCTGATCCAGCCATGCCGCGTGCAGGAAGACGGC
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CACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTATCCGGATTTATTGGGTTTAAAGGG
TGCGTAGGCTGTAAGTCAAGTCAGAGGTGAAAAGTCGGTGCTAAACCTTGAGGGTGCCTTGGAAACTGACTTACTAG
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>OTU7565;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8
520),f:"Prevotellaceae"(0.4914),g:Prevotella(0.0808);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACTGC
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GCGTAGGCCGTCTGTTAAGCGTGTTGTGAAATGTGGGGGCTCAACCGGCGAATTGCAGCGCGAACTGGCATACTTGA
GTGAGCAGGAAGAAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGG
CAGCCTGCCGTAGCGTAACTGACGCTAATGCTCGAAAGTGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU7567;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8267),c:"Bacteroidia"(0.4045),o:"Bacteroidales"(0.1
719),f:"Porphyromonadaceae"(0.0355),g:Parabacteroides(0.0076);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGGAGCCCGAACCAGCCAAGTCGCGTGCAGGATGACGGT
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TGCAAACGAGGTAGGCGGAATGTGATGTGTAGCGGTGAAATGCTTAGATATCACGAGGAACTCCGATTGCGAAGGC
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>OTU7566;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9992),c:Gammaproteobacteria(0.9805),o:Pasteure
llales(0.9606),f:Pasteurellaceae(0.9387),g:Actinobacillus(0.3479);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCATGCCGCGTGAATGAAGAAGGC
CTTCGGGTTGTAAAGTTCTTTCGGTGATGAGGAAGGTGTTTGTTTTAATAGAACAAGCAATTGACGTTAGTCACAGAA
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>OTU7569;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:"Bacteroidia"(0.2321),o:"Bacteroidales"(0.1
015),f:"Porphyromonadaceae"(0.0355),g:Barnesiella(0.0087);
ACGGAAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATGCAGCGTGAAGGACTAATGCC
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ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGT
GCGTAGGCGGCTTGGCAAGTCAGCGGTGAAAGGTCCGGGCTCAACCGGGAAAGTGCAGTTGATACTGTGAGGCTTG
AGTGCGGAAGCTGTGGGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACTAAGAACACCGATTGCGAAG
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>OTU7568;tax=d:Bacteria(0.0024),p:"Bacteroidetes"(0.0000),c:Sphingobacteriia(0.0000),o:"Sphingobacteri
ales"(0.0000),f:"Cyclobacteriaceae"(0.0000),g:Fontibacter(0.0000);
TTTAACCTGACTATTCCACTGCACCCCCTGAACGGACTGGAAATACTGGTACTAATCATGGTGGCGAATAAGTACGCG
TTCTTGCTAATCACCAGAAGGCGGTTCCTGAATGAATGGGAAGCCTTCAAGAAGGTGATAAGCAGGAGAAACATACG
AAGGCGCATAACGATACCACTGACCCTCAGCAATCTTAAACTTCTTAGACGAATCACCAGAACGGAAAACATCCTTCA
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>OTU7570;tax=d:Bacteria(0.0041),p:"Proteobacteria"(0.0000),c:Gammaproteobacteria(0.0000),o:Pseudom
onadales(0.0000),f:Pseudomonadaceae(0.0000),g:Pseudomonas(0.0000);
GGTTATTTCCTCGACAACTTAGAGCCAATACCCTCAGCTTTACTGTCTTTCCAGAAATTGTTCCAAGTATCGGCAACAG
CTTTATCAATACCCTGAAAAATATCAACCACACCAGAAGCAGCATCAGTGACGACATTAGAAATATCCTTTGCAGTAG
CGCCAATATGAGAAGAGCCATACCGCTGATTCTGCGTTTGCTGATGAACTAAGTCAACCTCAGCACTAACCTTGCGAG
TCATTTCTTTGATTTGGTCAGTGGTAAAAGACTGAACAGCCGTGTGAGCGTGAGTAAGCATGTGGCGCATAAGCTCG
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>OTU7571;tax=d:Bacteria(0.0024),p:Firmicutes(0.0000),c:Bacilli(0.0000),o:Bacillales(0.0000),f:Bacillaceae_1(0.0000),g:Bacillus(0.0000);

ACTGACCAATCTGTCCACGGAGTGCTTAATCCAACTTACCAAGTTGGGTTACGACGCGCCGCCGTTCAACCAGATCTTGCAGCAGAACGCAACCAGAGAGATGAGATTGAGGCTGGGAAAAGTTACTGTAGCCGACGTTTTGGCTGCGCAACCTGTGACGACAAATCTGCTCAAATTTATGCGCGCTTCGATAAAAATGATTGGCGTATCCAACCTGCAGAGTTTTATCGCTTCCATGACGCAGAAGTTAACACTTTCGGATATTTCTGATGAGTCGAAAAAGTATCTTGATAAAGCAGGAATTACTACTGCTTGTTTAAGAAGTAAATCGAAGTGGACTGCTGGCGGAAAATGAGAAAATTCGACCTAGCCTTGCGCAGCTCGAGAAGCGCTTACTG

>OTU7573;tax=d:Bacteria(0.0024),p:"Bacteroidetes"(0.0000),c:Flavobacteriia(0.0000),o:"Flavobacteriales"(0.0000),f:Schleiferiaceae(0.0000),g:Schleiferia(0.0000);

TCCCTTTCTCCCTTTTTTTTCTTCTTTCCCCCCGCCGCCTCCTGTGGCCTTCCAGGTGATGTGCTTGCTACCGATCCCACTACTGTAGGCATGTGTGATGCTGGTATTAAATCTGCCATTCAAGGCTCTAATGTTCCTAACCCTGATGAGGCCGTCCCTAGTTTTGTTTCTGGTGCTATGGCTAAAGCTGGTAAAGGACTTCTTGAAGGTACGTTGCAGGCTGGCACTTCTGCCGTTTCTGATAAGTTGCTTGATGTGGTTGGACTTGGTGGCAAGTCTGCCGCTGATAAAGGAAAGGATACGCGTGATGATCTTGCTGCTGCATTTCCTGAGCTGAAGGCTTGGGAGCGGGCTGGTGCTGATGCTTCCTCTGCTGGTATGGTTGACGACGGATTGGAGAAGCAAAAAGAGCTTACTAAAATGCA

>OTU7574;tax=d:Archaea(0.0024),p:Parvarchaeota(0.0000),g:Candidatus_Parvarchaeum(0.0000);

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>OTU7572;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:Sphingobacteriia(0.3483),o:"Sphingobacteriales"(0.1483),f:Sphingobacteriaceae(0.0560),g:Olivibacter(0.0110);

ACGGGAGGCAGCAGTAAGGGATATTGGTCAATGGGCGGGAGCCCGAACCAGCCATGCCGCGTGAGGGAATGAGGCCCTACGGGTCGTAAACCTCTTTTGCCGGGGGATAACGGGCGCCACGGGTGGCGCCGTGAAGGTACCCGGAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGGCGTCTAAGTGAGTGGTGAAAGTTACGGCGTCCACCGGGATCTACACGCTGACCCTGGGCGACTCGAATGCGGGAGAGGGTGGCGGAATGTCGGGTGTAGCGGTGAAATCCGTAGATATGTGACAGAACACCAGTGGCGAAGGCGGCTACCTGGGCCGGTATTGACGCTGAGGTACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU7575;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9992),c:Epsilonproteobacteria(0.9747),o:Campylobacterales(0.8846),f:Campylobacteraceae(0.6709),g:Campylobacter(0.4787);

ACGGGAGGCAGCAGTAGGGAATATTGCGCAATGGGGGAAACCCCGACGCAGCAACGCCGCGTGGAGGATGACACT
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>OTU7576;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Peptococcaceae_2(0.0457),g:Desulfotomaculum(0.0110);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCCTACCCAGCAACGCCGCGTGAGGGAAGAAGGT
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>OTU7577;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Clostridiaceae_1(0.0560),g:Clostridium_sensu_stricto(0.0134);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGC
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>OTU7578;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Ruminococcaceae(0.8864),g:Gemmiger(0.0904);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGAGGAAGAAGG
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>OTU7580;tax=d:Bacteria(0.0058),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Clostridiales(0.0000),f:Clostridiales_Incertae_Sedis_XI(0.0000),g:Peptoniphilus(0.0000);

CGAAGACGCCTCAAAGCGAACCACACCGGCATAAACTTTAGTGTCGGCCTCCAAAGCACTATCAGCACCAACAGACA
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AACTATCAAAATATAACGTTGACGATGTAGCTTTAGGTGTCTGTAAAACAGGTGCCGAAGAAGCTGGAGTAACAGAA
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>OTU7579;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9871),o:Lactobacillales(0.9889),f:Aerococcaceae(0.9871),g:Aerococcus(0.9837);
ACGGGAGGCAGCAGTAGGGAATCTTCCGCAATGGGCGCAAGCCTGACGGAGCAATGCCGCGTGAGTGAAGAAGGT
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>OTU7581;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Clostridiaceae_1(0.0560),g:Anaerosporobacter(0.0134);
ACGGAAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCCACGCCGCGTGAACGATGAAGGT
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>OTU7583;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:Sphingobacteriia(0.1159),o:"Sphingobacteriales"(0.0547),f:Sphingobacteriaceae(0.0149),g:Olivibacter(0.0056);
CCTTTCTTCCTCCTTCCTTTCTCTTTTTCCCTTTTCTTTCGCCTGCCCCCTCCATGCCGCGTGAGGGAATGAGGCCCTACG
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>OTU7584;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9900),c:"Bacteroidia"(0.7114),o:"Bacteroidales"(0.4280),f:"Prevotellaceae"(0.1485),g:Prevotella(0.0181);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGC
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>OTU7582;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.8808),c:Betaproteobacteria(0.7114),o:Burkholderiales(0.4280),f:Sutterellaceae(0.2184),g:Sutterella(0.0615);
ACGGGAGGCAGCAGTGGGGAATTTTGGACAATGGGGGCAACCCTGATGCAGCCATACCGCGTGCATGATGAAGGTC
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GTA
>OTU7585;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9719),o:"Bacteroidales"(0.8846),f:"Porphyromonadaceae"(0.6350),g:Parabacteroides(0.3043);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATTTTCTCGCGCCTGCCCCCTCCAAGTCGCGTGAAGGATGAAGGTTC
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>OTU7588;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Lachnospiraceae(0.0904),g:Ruminococcus2(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGGA
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>OTU7587;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.9280),f:"Prevotellaceae"(0.8505),g:Prevotella(0.4787);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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ococcaceae(0.2864),g:Oscillibacter(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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ACGGGAGGCAGCAGTAAGGGATATTGGTCAATGGGCGGGAGCCTGAACCAGCCATGCCGCGTGAGGGATTGAGGCCCTACGGGTCGTAAACCTCTTGTGCCGGGGGATAACGGGCGCCACGCGGGGCGCAGTGAAGGTAACCGGAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGGCGTCTAAGTCAGCTGTGAAAGTTCCCGGCTCAACCGGGTCAGTGCCGTTGATACTGGGGGTCTTTACTGCGGTCGAGGCCGGCGGAATGTGGCTTGTAGCGGTGAAATGCATAGATATGCCACAGAACACCGATAGCGAAGGCAGCTGGCCGGGCCTTCATTGACGCTGAGGCACGAAAGCGTGGGGATCGACCAGGATTAGATACCCTGGTA
>OTU7618;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9776),o:Clostridiales(0.9685),f:Clostridiaceae_1(0.7428),g:Clostridium_sensu_stricto(0.4787);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTTTCTGCAGGGACGATAATGACGGTACCTGAGGAGGACGCCACGTCTAACTACGTTCCAGCCGCCGCGGTACTACGTAGGTGGCCAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTTTTAAGTGAGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCATTTCAAACTGGAGGTCTAGAGTGCAGGAGAGGAGAATGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCGGTGGCGAAGGCGATTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
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ales"(0.0000),f:"Cyclobacteriaceae"(0.0000),g:Algoriphagus(0.0000);
GGCATTGTTTGTGAGCGCTGTGGTGTTGAGGTCACAGAGAGTCGGGTGCGACGTCACCGCATGGGCTTTATCAAGTT
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ococcaceae(0.1098),g:Clostridium_III(0.0157);
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>OTU7623;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8331),o:Clostridiales(0.5395),f:Rumin
ococcaceae(0.1679),g:Butyricicoccus(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGTCGCGTGAAGGAAGAAGGC
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ococcaceae(0.0560),g:Intestinimonas(0.0134);

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>OTU7626;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Pepto
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ACGGGAGGCAGCAGGGGGAGATATTGCGCAATGGGCGAAAGCGTGAAGCAGCGAAGCCGAGTGAGCGATGAAGG
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ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACTGC
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ococcaceae(0.0560),g:Clostridium_III(0.0134);
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ales"(0.1249),f:Sphingobacteriaceae(0.0457),g:Parapedobacter(0.0076);
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cillaceae(0.8146),g:Lactobacillus(0.4351);
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cillaceae(0.8505),g:Lactobacillus(0.4351);
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ococcaceae(0.5273),g:Clostridium_IV(0.0712);
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ospiraceae(0.0710),g:Blautia(0.0076);
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753),f:Bacteroidaceae(0.9108),g:Bacteroides(0.9085);
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ospiraceae(0.5632),g:Blautia(0.1735);
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679),f:"Porphyromonadaceae"(0.0560),g:Parabacteroides(0.0134);
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cillaceae(0.7068),g:Lactobacillus(0.3043);
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412),f:Bacteroidaceae(0.4224),g:Bacteroides(0.2171);
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ospiraceae(0.0904),g:Clostridium_XlVa(0.0157);
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ospiraceae(0.5991),g:Clostridium_XlVa(0.4351);
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onadales(0.9798),f:Moraxellaceae(0.9868),g:Alkanindiges(0.9705);
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ospiraceae(0.1291),g:Lachnospiracea_incertae_sedis(0.0157);
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ospiraceae(0.6709),g:Coprococcus(0.4787);
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063),f:Bacteroidaceae(0.5273),g:Bacteroides(0.3479);
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520),f:"Prevotellaceae"(0.4914),g:Prevotella(0.1735);
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CTTGAGTGATGGAGAGGCAGGCGGAATTCCGTGTGTAGCGGTGAAATGCGTAGATATACGGAGGAACACCAGTGGC
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>OTU7807;tax=d:Bacteria(1.0000),p:"Lentisphaerae"(0.8988),c:"Lentisphaeria"(0.7497),o:Victivallales(0.39
59),f:"Victivallaceae"(0.2184),g:Victivallis(0.0615);

ACGGAAGGCAGCAGTCGAGAATCTTCCGCAATGCGCGAAAGCGTGACGGAGCAATGCCGCGTGTCGGATGAAGGC
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GCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTTCGGATTTATTGGGCGTAAAGGGTCTGTAGGAGGTTCG
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>OTU7809;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Negativicutes(0.7881),o:Selenomonadales(0.502
3),f:Veillonellaceae(0.3204),g:Mitsuokella(0.0519);

ACGGGAGGCAGCAGTGAGGAACATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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AGCGCAGGCGGGAGATCAAGTCTATCTTAAAAGTGCGGGGCTCAACCCCGTGAGGGGATGGAAACTGGTCTTCTTG
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>OTU7808;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Pepto
streptococcaceae(0.1291),g:Clostridium_XI(0.0230);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
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352),f:"Porphyromonadaceae"(0.0086),g:Coprobacter(0.0043);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCAGCGTGCGGGAAGGAGGC
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cillaceae(0.8864),g:Lactobacillus(0.6681);
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teriaceae(0.2184),g:Eubacterium(0.0615);
ACTTTATTCCTCATTTGTTACTATTGCACAATGGGCGAAATCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTT
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ococcaceae(0.0252),g:Faecalibacterium(0.0076);

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AATTCCCGGGGTAGCGGTGGAATGCGTAAATATCGGGAGGAACACCAGTGGCGAAGGCGACCAACTGGGTACAATC
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>OTU7814;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Lachnospiraceae(0.1291),g:Coprococcus(0.0157);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTA
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GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTACCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGCCCCGTAA
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GGAATTTGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGTAGCGCAA
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>OTU7815;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Clostridiaceae_1(0.5632),g:Clostridium_sensu_stricto(0.3479);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAAGCCTGATGCAGCAACGCAGCGTGCGTGATGACGGC
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GCAGGCGCGGTAATGCGCAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAA
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>OTU7813;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Ruminococcaceae(0.4224),g:Subdoligranulum(0.0423);

ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGT
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>OTU7817;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Ruminococcaceae(0.1098),g:Anaerobacterium(0.0181);

ACGGGAGGCAGCAGTGGGGGATATTACACAATGGGGGAAACCCTGATCGAGCAACGCCGCGTGAATGATGAAGGT
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>OTU7818;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9321),o:Clostridiales(0.8303),f:Rumin
ococcaceae(0.4914),g:Intestinimonas(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCATGACCAAGCAACGCCGCGTGACGGAAGAAGGC
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diaceae_1(0.3204),g:Clostridium_sensu_stricto(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCAACGCCGCGTGAGTGATGAAGGC
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ococcaceae(0.2524),g:Papillibacter(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGACGGC
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>OTU7821;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:"Bacteroidia"(0.2902),o:"Bacteroidales"(0.1
249),f:"Porphyromonadaceae"(0.0113),g:Barnesiella(0.0056);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGATGAAGGT
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ococcaceae(0.4914),g:Ruminococcus(0.2607);
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639),f:"Porphyromonadaceae"(0.1098),g:Parabacteroides(0.0157);
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846),f:"Porphyromonadaceae"(0.6709),g:Parabacteroides(0.3043);
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teriaceae(0.0904),g:Eubacterium(0.0181);

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ococcaceae(0.0355),g:Clostridium_III(0.0066);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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teriaceae(0.2864),g:Eubacterium(0.0808);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGTCGCGTGAAGGATGAAGTA
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lales(0.9172),f:Acetobacteraceae(0.7787),g:Roseomonas(0.2607);
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249),f:Marinilabiliaceae(0.0457),g:Mangroviflexus(0.0110);

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629),f:"Prevotellaceae"(0.5991),g:Prevotella(0.1735);
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023),f:"Prevotellaceae"(0.3204),g:Prevotella(0.0519);
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cillaceae(0.6350),g:Lactobacillus(0.3915);
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diaceae_2(0.0099),g:Alkaliphilus(0.0046);

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AGTTAGTTGTGAAATCACTCGGCTTAACTGAGGAACTGCAACTAGAACTATTGTTCTTGAGTGTTGGAGATGAAAGTG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGACTTTCTGGACAATAA
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>OTU7832;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Lachn
ospiraceae(0.3544),g:Clostridium_XlVa(0.1299);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
TTTCGGTATGTAAAGCTCTATTAGTAGGGAAGAAAATGACGGTACTCGACTAAGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATTCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCGGTGCA
AGTTAGAAGTGAAATCCCGGGGCTCAACCCCGGAGCTGCTTTTAAAACTGTACTGCTAGAGTGCTGGAGAGGTAAGT
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACAATA
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>OTU7834;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Clostri
diaceae_1(0.4563),g:Clostridium_sensu_stricto(0.1735);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCGGCAATGCCCGGTAAGTGATAACGGC
CTCCGGGTTGTAAACCCTTGTCTCCAGGGCCGTAAATGACGGTCCCTGGGGAGGAAGCCACGGCAAATTACGTGCCA
GCAGCGGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTTTTAA
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GGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGCTTCTCTGGACTGTA
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>OTU7836;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:"Bacteroidia"(0.4045),o:"Bacteroidales"(0.1
719),f:"Porphyromonadaceae"(0.0560),g:Barnesiella(0.0076);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCCGCCAAGTCGCGTGCGGGAAGACGGT
CCTACGGATTTTAAACCTCTTTTGCCGGGGAACAACGGGCATCACGTGTGGTTCTGTGAGTGTACCCGGAGAAAAAG
CATCGGCTAACTCCTTGCCAGCAGCCGCGGTAATCCGGCGGATGCGAGCGTTATCCGGATTTATTGGGGTTAAAGGG
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AAGGAAGCATACTATCCTCCAACTGACGCTGAGGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU7835;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8331),o:Clostridiales(0.5766),f:Rumin
ococcaceae(0.2524),g:Flavonifractor(0.0181);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGG
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CCCGCCGCCGCGGAAATACGTAGGTGGAGCGCGATATCCGGATTTACTGGGTGTAAAGGGAGTGTAGGCGGGATTG
CAAGTCAGATGTGAAAACTATGGGCTCAACCTATAGCCTGCATTTGAAACTGTAGTTCTTGAGTACTGGAGAGGCAG
ACGGAATTCCAAGTGTAGCGGTGAAATGCGTAGATATAAGGAGGAACATCAGTGGCGAAGGCGACTTACTGGACGA
TTACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU7837;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Lachnospiraceae(0.2524),g:Clostridium_XlVa(0.0712);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTT
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AGCAGCCCCGGTAATTCGTTGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCAAGGCA
AGTCTGAAGTGAAAGGCCGGGGCTCAACCGCGGGACTGCATTGGAAACTGTGTAGCTGGAGTACAGAAGAGGTAA
GTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATAAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTG
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>OTU7838;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Bacilli(0.5963),o:Lactobacillales(0.3319),f:Lactobacillaceae(0.1679),g:Lactobacillus(0.0423);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
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AAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTATCCGGATTTACTGGGTGTAA
AGGGTGCGTAGGCGGCTTGGTAAGTCAGATGTGAAATGTATGGGCTCAACCCATGAACTGCATTTGAAACTATTGAG
CTTGAGTGAAGTAGAGGTAGGCGGAATTCCCTGTGTAGCGGTGAAATGCGTAGATATAAGGAAGAACACCAGCGGC
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>OTU7842;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:"Bacteroidia"(0.0726),o:"Bacteroidales"(0.0473),f:"Rikenellaceae"(0.0113),g:Alistipes(0.0056);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAAAGTCTGAACCAGCCATGCCGCGTGAAGGAATAAGGC
CCTATGGGTCGTAAACTTCTTTTGTATGTGAGCAATAAGGTCCACGAGTGGTCCGATGACAGTATCATACGAATAAGC
ATCGCCTAACTCCGTGGCAGCAGCCGCGGTAATACGGAGGATGCAAGCGTTATCCGGATTCATTGGGTTTAAAGGGT
GCGTAGGCGGATTAGTAAGTCAGAAGTGAAATTCCAGTGCTCAACATTGGACGTGCCGTTGATACTGCTGAGCTAGA
AAGCGGATGCGGTGAGAGGAATGTGTGGCGTAGCGGTGAAATGCATAGATATCACACAGAACACCGATTGCGAAG
GCGTCTAACGAGTTCGAAATTGACGCTGAGGCACGAAGGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU7841;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Clostridiaceae_2(0.0710),g:Alkaliphilus(0.0157);

ACGGGAGGCAGCAGTCGGGAATATTGCACAATGGAGGAAACTCTGATGCAGTGACGCCGCGTACAGGAAGAAGGT
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CCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTATCCGGATTTATTGGGTGTAAAGGGTGCGTAGACGGGACAA
CAAGTTAGTTGTGAAATCCCTCGGCTTAACTGAGGAACTGCAACTAAAACTACCTTTCTTGAGTGCTGGAGAGGAAA
GTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTTCTGGACGG
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>OTU7839;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Bacilli(0.6346),o:Lactobacillales(0.3319),f:Lactobacillaceae(0.1679),g:Lactobacillus(0.0423);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
TTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAG
AAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGACGAGCGTTGTCCGGATTTACTGGGTGTAA
AGGGCGCGTAGGCGGACTGTCAAGTCAGTCGTGAAATACCAGGGCTTAACCCCGGGGCTGCGATTGAAACTGACAG
CCTTGAGTATCGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGG
CGAAGGCGGATTGCTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGG
TA

>OTU7840;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Lachnospiraceae(0.2864),g:Pseudobutyrivibrio(0.0712);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACACCGCGTGAGCGAAGAAGGA
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GCAGCCGCGGTCATACGTAGGGGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGATAGGCA
AGTCTGATGTGAAAGCCCGGGGCTCAACCGCGGGAGTGCATTGGAAACTGTATATCTGGAGTGCAGGAGAGGTAAG
TGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTACTGGACGGT
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>OTU7843;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9991),c:Actinobacteria(0.9961),o:Actinomycetales(0.9866),f:Geodermatophilaceae(0.9201),g:Blastococcus(0.7643);

GTGTCAGCAGCCGCGGTAATACGTAGGGTGCAAGCGTTGTCCGGAATTATTGGGCGTAAAGAGCTCGTAGGCGGTT
TGTTGCGTCGGCTGTGAAAACCTGAGGCTCAACCTCAGGCCTGCAGTCGATACGAGCAGACTAGAGTGTTGCAGGG
GAGACTGGAATTCCTGGTGTAGCGGTGAAATGCGCAGATATCAGGAGGAACACCGGTGGCGAAGGCGGGTCTCTG
GGCAACAACTGACGCTGAGGAGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTAGTCCACGCCGTAAAC
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CGGCCGCAAGGCTAAAACTCAAATGAATTGGCGGGG

>OTU7846;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8448),c:"Bacteroidia"(0.4045),o:"Bacteroidales"(0.1719),f:"Porphyromonadaceae"(0.0457),g:Barnesiella(0.0076);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGT
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CATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGG
TGCGCAGGCGGCGCGTCAAGCCGGCGGTAAAATTGCGGGGCTCAACCGTGTAGAGCCGTCGGAAACGGGGAGTCT
GAGTGACGAAGAAGTCTGGGGAATTCGAGGGGGTGCGGTGAAATGCCTTGATTTCGACCAGAACTCCGAATTCGAA
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>OTU7845;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Rumin
ococcaceae(0.3544),g:Intestinimonas(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCCACGCCGCGTGAAGGAAGAAGGC
TTTCGGGTTGTAAACTTCTTTTATAAGGGACGAAAGAAATGACGGTCCCTTATGAATAATCTCCGGCTAACTACGTGC
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>OTU7844;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3639),f:Rumin
ococcaceae(0.1098),g:Clostridium_IV(0.0157);
AAGGGAGGCAGCAGTGGGGGATGGTGCAAAATGGGCGCAAGCATGATGCAGCGACGCCGCGTGTGGGAAGACGG
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GAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTAGTAGGAACACCAGTGGCGAATGCGGCCAACTGGGCTTTTAC
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>OTU7848;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.7
995),f:"Prevotellaceae"(0.4224),g:Prevotella(0.0904);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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GCGTAGGCCGGCGTTTAAGCGTGTTGTAAAATGTAGACGCTCAACGGCAGCACTGCGACGCGAACTGGTTTCCTTGA
GTACGCACAAAGTGTGCGGAATTCGTGGTGTAGCGGTGAAATGCTTGGATATGACGAAGAGCTCCGATTGCGAAGG
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>OTU7847;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Rumin
ococcaceae(0.1485),g:Ruminococcus(0.0326);

ACGGGAGGCAGTAGTGGGGGATATTGCGCAAGGGGGGCAACCCGGACGCAGCAAAGCCGCGTGAACGATGAAGG
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CAGCAGCAGCGGAAATACGTAGGGAGAAAGCGTGGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCAGAG
CAAGTCAGATGTGAAATCCGTGGGCTTAACCCTCGACCTGCATTTGAAACTGTTTTGCTTGAATGAGGTTGAGGCAGG
CGGAATTCCCTGTGTAGCGGTGAAATGCATAGAGATAGGGCAGAACACCAATTGCGAAGGCGTCCTGCTGAGCTTTT
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>OTU7849;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.8988),c:Spirochaetia(0.7497),o:Spirochaetales(0.465
2),f:Spirochaetaceae(0.2864),g:Treponema(0.0326);

ACGGGAGGCAGCAGCTAGGAATATTCCGCAATGGAGGAAACTCTGACGGAGCGACGCCGCGTGGGTGATGAAGGT
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AAAGGGCGTGTAGGCGGTATTGCAAGTCTGTTGGGAAAGGCGGGGGCTCAACCCCTGGACTGCGTTGGGAACTGAA
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GGTA

>OTU7850;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.9
389),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
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>OTU7851;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Rumin
ococcaceae(0.7428),g:Gemmiger(0.0904);

ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGAGGAAGAAGGT
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>OTU7852;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9992),c:Alphaproteobacteria(0.9846),o:Sphingomo
nadales(0.9775),f:Sphingomonadaceae(0.9759),g:Sandarakinorhabdus(0.9724);

GTGTCAGCAGCCGCGGTAATACGGAGGGGGCTAGCGTTGTTCGGAATCACTGGGCGTAAAGCGTGCGTAGGCGGCC
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GTGAGTGGAATTCCGAGTGTAGAGGTGAAATTCGTAGATATTCGGAAGAACACCAGTGGCGAAGGCGGCTCACTGG
ACCGTTGTTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTAGTCCACGCCATAAACG
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6),f:Spirochaetaceae(0.3884),g:Treponema(0.0712);
ACGGGAGGCAGCAGCTACGAATATTCCGCAATGGACGAAAGCCTGACGGAGCGACGCCGCGTGGATGATGAAGGC
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erales(0.9172),f:Rhodobacteraceae(0.9015),g:Rhodobacter(0.3915);
GTGTCAGCAGCCGCGGTAATACGGAGGGGGCTAGCGTTGTTCGGAATTACTGGGCGTAAAGCGCACGTAGGCGGAC
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ococcaceae(0.0560),g:Oscillibacter(0.0087);
ACGGAAGCCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAGGGAAAAAGGT
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>OTU7856;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9992),c:Actinobacteria(0.9861),o:Actinomycetales(
0.9911),f:Intrasporangiaceae(0.9108),g:Tetrasphaera(0.6681);

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TGCCAGCAGCCGCGGTAATACGTAGGGTGCGAGCGTTGTCCGGAATTATTGGGCGTAAAGAGCTTGTAGGCGGTTT
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ospiraceae(0.3204),g:Clostridium_XlVa(0.0904);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGCGTGAAGAAGTT
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ococcaceae(0.4224),g:Subdoligranulum(0.0423);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAAGGAAGAAGTC
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412),f:"Prevotellaceae"(0.5632),g:Prevotella(0.0808);
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707),f:Bacteroidaceae(0.8505),g:Bacteroides(0.7643);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGATAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGC
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ococcaceae(0.0904),g:Ruminococcus(0.0134);
ACGGAAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGT
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>OTU7862;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Bacilli(0.9321),o:Lactobacillales(0.7252),f:Lactoba
cillaceae(0.4914),g:Lactobacillus(0.3043);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTT
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ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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ales"(0.0413),f:Sphingobacteriaceae(0.0099),g:Parapedobacter(0.0046);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGCGGT
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acterales(0.0781),f:Campylobacteraceae(0.0252),g:Campylobacter(0.0076);
CCTTTCTTCCTCCTTTTTTCCTCTTTTTCCCTTTTCTTCCGCCTGCCCCCTCCATGCCGCGTGGAGGATGACACGTTTCGG
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>OTU7866;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachn
ospiraceae(0.3884),g:Clostridium_XlVa(0.1299);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACCCTGATGCAGCGACGCCGCGTGAGTGATGAAGTA
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>OTU7868;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8808),c:Sphingobacteriia(0.3483),o:"Sphingobacteri
ales"(0.1483),f:Sphingobacteriaceae(0.0560),g:Olivibacter(0.0134);
ACGGGAGGCAGCAGTAAGGGATATTGGTCAATGGGGGGAACCCTGAACCAGCCATGCCGCGTGAGGGAATAAGGC
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>OTU7867;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Pepto
coccaceae_1(0.1679),g:Peptococcus(0.0423);

ACGGGAGGCAGCAGTGGGGAATCTTCCGCAATGGGCGAAAGCCTGATGGAGCAATGCCGCGTGAGTGAAGAAGGC
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ionales(0.4280),f:Desulfovibrionaceae(0.1679),g:Desulfovibrio(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGCGGGATGAAGGT
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>OTU7869;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Pepto
coccaceae_2(0.0457),g:Desulfotomaculum(0.0110);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGG
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Thermus"(0.0000),c:Deinococci(0.0000),o:Deinococcales(0.0000),f:Deinococcaceae(0.0000),g:Deinococcus(
0.0000);
GGCGTGCTTACTCCAACTTACCAAGCTGGGTTCCGACGCGCCGCCGTTCAACCAGATATTGTAGCAGAACGCAAACC
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>OTU7871;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9321),o:"Bacteroidales"(0.8412),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0904);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACTGCCCTATGGGTTGTAAACTGCTTTTATACGGGAATAAAGTCCACTACGTGTAGTGGTTTGTATGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCTGGATTTTAAGCGTGTTGTGAAATGCGGCGGCTCAACCGTCGATGTGCAGCGCGAACTGGAGTCCTTGAGTGAGTACGAGGAAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTTTCCAGTCCTTAACTGACGCTAAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU7874;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Lachnospiraceae(0.4914),g:Dorea(0.2607);

CCTTTCTTCCTCCTTTGGGCCTCTTTCCCCATGGCGGCCCCTCTGATGCAGCGACGCCGCGTGAAGGATGAAGTATTTCGGTATGTAAACTTCTATCAGCAGGGAAGAAAATGACGGCACCTGACTAAGAAGACCCGGCTAACTACGTGTCAGCAGCAGCGGTAATACGTAGGGGGCAAGCGTCATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTTTGCAAGCCAGATGTGAAAGCCCGGGGCTCAACCCCGGGACCGCATTTGGAACTGTAATGCTAGAGTGTCGGAGAGGCAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU7873;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.5174),c:"Bacteroidia"(0.2902),o:"Bacteroidales"(0.1249),f:"Porphyromonadaceae"(0.0457),g:Butyricimonas(0.0110);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAATGGTCTATGGCCTGTAAACCTCTTTTGCCAGGGAAGAATAAAAGGTACGTGTACCTTCTTGCCAGTACCTGACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGATAATACGGGGGATGCGAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGTGTAGGCGGGACCGCAAGTCAGATGTGAAAATTACGGGCTCAACCCGTAACCTGCGTCTGAAACTGTGGTTCTTGAGAGTGGGAGAGGTAGATGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU7876;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Ruminococcaceae(0.7068),g:Oscillibacter(0.0808);

ACGGGACGGCAGCAGTGGGGAATATTGGGCAATGGACGCAAGTCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTAAGGGGGAAGAGCAGAAGACGGTACCCCTTGAATAAGCCACGGCTAACTAGGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGAAGGCAAGTCAGATGTGAAAACTATGGGCTCAACCCATAGCCTGCATTTGAAACTGTTTTTCTTGAGTACTGGAGAGGCAGGCGGAATTCCGTGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU7875;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Peptostreptococcaceae(0.1098),g:Clostridium_XI(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGCCTTCGGGTTGTAAACTTTTGTCTTTAGTGAAAAGAGAGGATGGTAGCTAAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGATAATACGTAGGTGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGCGTAGGCGGGACTTTAAGTCAGATGTGAAAGGCGGGGGCTTAACCCCCGAACTGCATTTGAAACTGGAGTTCTTGAGTGTCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAGTGCGTAGATATTAGGAGGAACACCAGTAGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU7877;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Clostridiaceae_1(0.3204),g:Clostridium_sensu_stricto(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAAGCCTGATCCAGCCATGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTTTTCAGGGACGATAATGACGGTACTCGAGGAAGAAGTCCCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGTGGCTAGCGTTGTCCGGAATTACTGGGCGTAAAGGGCGCGTAGGCGGACTAGTAAGTGAGATGTGAAATACCCGGGCTCAACCTTGGAGTTGCATTTCAAACTGCAAGTCTAGAGATCAGAAGAGGATAATGGAATTCCTAGTGTAGAGGTGAAATTCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGATTGTATCTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU7878;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Lachnospiraceae(0.2184),g:Ruminococcus2(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCAAAATGGGAGAAAGACTGATGCAGCGACGCCGCGTGAGCGAAGAAGAATCTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGAAGGGACCTGACTAAGAAGCACCAGCTAACTAAGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAGAGGCAAGTCTGATGTGAAAACCCGGGGCTCACCCCCGGGAGTGCATTGTAAACTGTTTATCTGGAGTGCCGGAGGAGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTCGATATTAGTAGGTACACCAGTGGCGAAGTCGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTTGTA
>OTU7880;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Bacilli(0.6730),o:Lactobacillales(0.3959),f:Lactobacillaceae(0.2184),g:Lactobacillus(0.0615);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGCAATACGAAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTGCGTAGGTGGTTACCTAAGCAGGAGGTGAAAGGCAATGGCTCAACCATTGTTAGCCCCCTGAACTGGGCTACTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTTACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU7881;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.9280),f:"Rikenellaceae"(0.9108),g:Alistipes(0.9085);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAAAGCCTGAACCAGCCATGCCGCGTGCAGGAAGACGGCCCTATGAGCTGTAAACTGCTTTTGTAAGGGAGTAAACGCTCTTACGTGTAAGAGCCTGAAAGTATCGTACGAATAAGGATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGGTTGTTAAGTTAGTTGTGAAATACCGGTGCTTAACACCGGAACTGCCTCTAATACTGTTTTCCTAGAGAGTAGTTGCGGTAGGCGGAATGTATGGTGTAGCGGTGAAATGCTTAGAGATCATACAGAACACCGATTGCGAAGGCAGCTTACCGGACTATATCTGACGTTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU7882;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Eubacteriaceae(0.3204),g:Eubacterium(0.0904);

ACGGAGGCAGCCGTGGGGAATATTGCCCAATGGGCGCAAGCCTGATGCCGCCACGCCGCGTGCGCGATGAATGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTTCCCGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTAAAGTCAGAGGTGAAAGGCTACGGCTCAACCGTAGTAAGACTTTGAAACTGGGAAACTTGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCGGCTCTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU7879;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Lachnospiraceae(0.1872),g:Clostridium_XlVa(0.0230);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGATAATGACGGTACCTGAAGGAAGGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGTGTAGGCGGGACTGCAAGTCAGATGTGAAAATTACGGGCTCAACCCGTGAACTGCATTTGAAACTGTAGTTCTTGAGAGCCGGAGGGGTAAATGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTGGGAGGAACACCAGTGGCGAAGGCGATTTACTGGACGGCAACTGACGCTGAGACACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU7883;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9719),o:"Bacteroidales"(0.8846),f:"Prevotellaceae"(0.5991),g:Prevotella(0.1735);

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>OTU7884;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Peptostreptococcaceae(0.3204),g:Clostridium_XI(0.0904);
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>OTU7885;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9747),o:Lactobacillales(0.8955),f:Lactobacillaceae(0.7428),g:Lactobacillus(0.3043);
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737),f:Bacteroidaceae(0.4224),g:Bacteroides(0.2171);
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291),f:"Rikenellaceae"(0.0073),g:Rikenella(0.0039);
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395),f:Bacteroidaceae(0.2184),g:Bacteroides(0.0615);
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cillaceae(0.2864),g:Lactobacillus(0.0615);
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707),f:"Porphyromonadaceae"(0.9573),g:Paludibacter(0.9743);
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"Nitrospiraceae"(0.8864),g:Nitrospira(0.8124);
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252),f:"Prevotellaceae"(0.1679),g:Prevotella(0.0423);
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995),f:Bacteroidaceae(0.3544),g:Bacteroides(0.1299);
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diaceae_2(0.0252),g:Alkaliphilus(0.0076);
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352),f:Bacteroidaceae(0.0073),g:Bacteroides(0.0039);
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ospiraceae(0.1679),g:Clostridium_XlVa(0.0326);
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ococcaceae(0.1679),g:Clostridium_IV(0.0134);
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diaceae_1(0.4563),g:Clostridium_sensu_stricto(0.2607);
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2),f:Spirochaetaceae(0.6709),g:Treponema(0.3043);
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473),f:Prolixibacteraceae(0.0113),g:Prolixibacter(0.0056);
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7),f:Spirochaetaceae(0.0149),g:Treponema(0.0066);
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ales"(0.0781),f:Sphingobacteriaceae(0.0252),g:Parapedobacter(0.0076);
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172),f:"Prevotellaceae"(0.4914),g:Prevotella(0.3043);
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483),f:"Porphyromonadaceae"(0.0355),g:Barnesiella(0.0087);
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ospiraceae(0.9881),g:Howardella(0.9856);
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412),f:"Prevotellaceae"(0.4224),g:Prevotella(0.0808);
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0.0000),f:Microbacteriaceae(0.0000),g:Microbacterium(0.0000);
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diaceae_1(0.4563),g:Clostridium_sensu_stricto(0.2607);
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ospiraceae(0.2184),g:Clostridium_XlVa(0.0615);
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>OTU7965;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9877),o:Lactobacillales(0.9172),f:Lactobacillaceae(0.8146),g:Lactobacillus(0.4351);

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>OTU7967;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Erysipelotrichia(0.9719),o:Erysipelotrichales(0.8846),f:Erysipelotrichaceae(0.8146),g:Turicibacter(0.7162);

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acteriales"(0.8520),f:Enterobacteriaceae(0.7068),g:Escherichia/Shigella(0.3043);
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cillaceae(0.1679),g:Lactobacillus(0.0423);
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280),f:"Rikenellaceae"(0.9108),g:Alistipes(0.8124);
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606),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);
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ococcaceae(0.0457),g:Sporobacter(0.0066);
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063),f:Bacteroidaceae(0.6350),g:Bacteroides(0.4787);
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diaceae_1(0.1679),g:Clostridium_sensu_stricto(0.0423);

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95),f:Erysipelotrichaceae(0.5991),g:Erysipelotrichaceae_incertae_sedis(0.4351);

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>OTU7995;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Lachnospiraceae(0.4563),g:Dorea(0.1735);
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ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGCGAAACCCTGATCCAGCAATGCCGCGTGAGTGATGACGGCCTTTGGGTTGTAAAGCTCTTTTTTTAGGGAAGATAATGACGGTACCCAAGGAAGAAGCCATGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGAGCGTAGGCGGATTTTTAAGTTAAATGTGAAATACCCAGGCTTAACTTTGGTGCTGCGTTTCAAACTGGAAGTCTAGAGAGTGGAAGAGGAGAAGGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGCTTCTCTGGACCGTAACTGACGCTGAGGCTCGAAGGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

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>OTU8005;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9987),c:Gammaproteobacteria(0.9740),o:"Enterobacteriales"(0.8412),f:Enterobacteriaceae(0.6709),g:Escherichia/Shigella(0.2607);

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846),f:"Prevotellaceae"(0.3544),g:Prevotella(0.1299);
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753),f:Bacteroidaceae(0.9108),g:Bacteroides(0.9085);
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acteriales"(0.9063),f:Enterobacteriaceae(0.8864),g:Escherichia/Shigella(0.4351);
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995),f:"Prevotellaceae"(0.5273),g:Prevotella(0.0615);
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cillaceae(0.1872),g:Lactobacillus(0.0519);
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cillaceae(0.8146),g:Lactobacillus(0.4351);
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>OTU8022;tax=d:Bacteria(0.0041),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Clostridiales(0.0000),f:Eubac
teriaceae(0.0000),g:Eubacterium(0.0000);
CGATTCTGTCAAAACCTGACTCGTTGGATGAGGAGACGTGGCTTAATCTGCTTGGCCCGTTCGTCAAGGACTGGTTTA
GATATGCGTCACCTTTTGTTCATGGTAGAGATTCTCTTGTTGACATTTTAAAAGAGCGTGGATTACTATCTGAGTCCGA
TGCTGTTCAACCACTAATAGGTAAGAAATCATGAGTCAAGTTACTGAACAATCCGTACGTTTCCAGACCGCTTTGGCC
TCTATTAAGCTCATTCAGGCTTCTGCCGTTTTGGATTGAACCGAAGAGGATTTCGATTTTCTGACGAGTAACAAAGTTT
GGATTGCTACTGACCGCTCTCGTGCTCGGCGCGGCGTTGAGGCTTGCGGTGAGGGGACGCTGGACTTGGTAGGATA
>OTU8021;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Bacilli(0.9784),o:Lactobacillales(0.9389),f:Lactoba
cillaceae(0.8864),g:Lactobacillus(0.6681);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGA
TTTCGGCTCGTAAAGCTCTGTTGGTAGGGAAGAAAGATAGAGGTAGTTACTGACCTTTATTTGACGGTAATTACTTCG
AAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACTCAGTTGGCGAGCGGTGTCCGGATTTATTGGGGGTAA
AGCGAGTGCAGGCGGTTCAATAAGTCTGATGTGAAAGCCTGCGGCTCAACCGGAGAATTGCATCAGAAACTGTCGA
GCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTG
GCGAAGGCGGCTCTCTGGTCGGCAACTGACGTTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGG
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>OTU8020;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9348),c:Deltaproteobacteria(0.7881),o:Desulfovibr
ionales(0.5023),f:Desulfovibrionaceae(0.2524),g:Desulfovibrio(0.0615);
ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGT
CTTCGGATCGTAAACCTCTGTCAGAAGGGAAGAATAAGCATTGTTCTAATTAGCAGTGCCGTGACGGTACCTTCAAAG

AAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTA
AAGCGAATGTAGGCGGTACTGTAAGTTTGAGGTGAAAGCCCACGGCTCAACCGTAGAAGTGCCTTGGAAACTGGCG
GACTTGAGTGCGAGAGAGGACAGCGGAATTCCAGGTGTAGGAGTGAAATGCGTAGATATATGGAAGAACATCAGTG
GCGAAGGCGGCTATCTGGTTTGTAACTGACGCTGAGATGCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGG
TA

>OTU8023;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Lachn
ospiraceae(0.1679),g:Pseudobutyrivibrio(0.0423);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
CTTCGGATTGTAAACTTCTTTTATCAGGGACGAAGGAAGTGACGGTACCTGATGAATAAGCCACGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTATGGTGCAAGCGTTATCCGGATCTACTGGGTGTAAAGGGAGCGTAGGCGGCAAGA
TAAGTCTGAAGTGAAAGCCCGGGGCTCAACCGCGGGATTGCTTTGGAAACTGTAGTGCTAGAGTGTCGGAGGGGCA
AGTGGAATTCCTAGTGTAGCGGTGAAATGCGAAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACG
ATTACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8025;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Lachn
ospiraceae(0.4563),g:Clostridium_XlVa(0.2171);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTA
TCTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACTTGACTAAGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTGGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGAGAGGCA
AGTCCGAAGTGAAAGCTCGGGGCTCAACCTCGGAACTGCGTTGGAAACTGTTAGTCTAGAGTGCAGGAGAGGTAAG
TGGAATTCGTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGT
AACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8026;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9892),o:Lactobacillales(0.9938),f:Lactoba
cillaceae(0.9108),g:Lactobacillus(0.5239);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATAGAGCAACACCGCGTGAGTGAAGAAGGG
TTTCGGCTCGGAAAGCTCTGTTGTTGGAGAAGAACGTTGGTGAGCGTAACTGTTCACGCAGGTACGGTATCCAAACG
GAAAGGCACGTCCAACTACGTGCCAGCAGCCGCGGTAGTACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTA
AAGCGAGCGCAGGCGGTTGCTTAGGTCTGATGGAAAAGCCTTCGGCTTAACCGAAGAAGTGCATCGGGAACCGGGC
GACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTG
GCGAAGGCAGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGG
TA

>OTU8024;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Bacilli(0.9462),o:Lactobacillales(0.8520),f:Lactoba
cillaceae(0.6350),g:Lactobacillus(0.1299);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCCACGCCGCGTGAGTGATGAAGGT
TCTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACATGCGGGAGAGTAACTGTGCACGCAGTGACGGTATCCAACAA
GAACGTCACAGCTAACTACGGGCCAGCAGGCGCTGTAATACGTAGGAGGCAAGCGTTATCCGGATTTATTGGGCGTA
AAGCGAGCGCAGGCGGTTGCTTAGGTCTGATGTGAAAGCCTTCGGCTTAACCGAAGAAGTGCCTCGGAAACCGGGC
GACTTGAGAGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCGGTG
GCGAAGGCGGCTGTCCGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGG
TA

>OTU8027;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.9
063),f:Bacteroidaceae(0.5632),g:Bacteroides(0.3915);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGC
CCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAATTCCGGTATGGATACACGTTTGCATGTATTTTATGAATAAGGA
ACGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGTAGTTGGATGGTTAAGTCAGTTGTGAAAGTCTGAGGCTCAACCGTAAAATTGCAGTTGATACTGTAAATCTAGAGT
GCAGTAGAGGCTGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCA
GCCTGCTGAGCTGCAACTGACACTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU8028;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Bacilli(0.9791),o:Lactobacillales(0.9497),f:Lactoba
cillaceae(0.9108),g:Lactobacillus(0.7643);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGG
TTTCGGCTCGTAAAGCTCAGATGGTAGTGAAGAAAGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATTACTTAG
AAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATATATTGGACGTAA
AGCGAGTGCAGGCGGTTCAATAAGTCTGATGTGAAAGCCATCGGGTCAACCGGAGAAATGCATCAGAAACTGTTGG
ACTTGCGTTCAGAAGATGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGTAAGCACACCGGTGG
CGAAGGCGGCTCTCTAGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGT
A

>OTU8030;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9903),o:Lactobacillales(0.9685),f:Lactoba
cillaceae(0.9294),g:Lactobacillus(0.8124);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
TTTCGGACCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGCAGTAACTGGTCTTTATTTGACGGTAATCAACAA
GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATAGGAAGGTGGCAAGCGTTGTCGGGATTTATTGGGCGT
AAAGCGAGCGAAGGCGGAATGATAAGTCTTATGTGAGAGCCCACGGCGCAACCGTGGAACTGCATCGGAAACTGTC
ATTCTTGACTGCAAAAGATGAGAGTGGAACTACATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCTGTG
GCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGG
TA

>OTU8031;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Lachnospiraceae(0.1485),g:Roseburia(0.0204);

ACGGGAGGCAGAAGGGGGGGATCTTTCCCAATTCTTTCCCCCCTGCTGCCGCGACGCCTCGTGAGTTAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGAAAGATAATGACGGTACCTGACTAAGAAGCACCTGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGGTGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGACGGCATGGCAAGCCAGATGTGAAAGGTGGAGGATCAACCCCCAGGCTGCATTTGGAACTGTCAAGCTAGAGTAGCGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTACTGGACGATAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8029;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Lachnospiraceae(0.1485),g:Clostridium_XlVa(0.0326);

ACGGGAGGCAGCAGTGGGGGATATTGGACAATGGGGGAAACCCTGATGCAGCGATGCCGCGTGAGTGAAGAAGGATTTCGGGTTGTAAAGCTCTTTTAGCGGGGAAGAAAATGACGGTACTTACCGAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAGGGGGCAAGCGTTATTCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGAGATGCAAGTCTAGAGTGAAAGCCCAGGGCTCAACCCTGGGATTGCTTTTGAAACTGTATAGCTAGAGTGCGAGAGAGGAAAGTGGAATTCCTAGTGTAGAGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACAGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8032;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Lachnospiraceae(0.4914),g:Clostridium_XlVa(0.2607);

ACGGAAGGCAGCAGTGGGGGATATTGGACAATGGGGGGAACCCTGATCCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAGGAAGAGACGGTACCTGAGTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAAAGGCAAGTCTGAAGTGAAAGGCGGGGGCTCAACCCCCGGACTGCGTTGGAAACTGTGATTCTGGAGTGCAGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8034;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Bacilli(0.9840),o:Lactobacillales(0.8412),f:Lactobacillaceae(0.5632),g:Lactobacillus(0.2607);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGAATCGTAAAGCTCAGTCGTTGGTGAAGACGGATGGTGGCAGCAACTGGCCATTATTTGACGGTAATCAACCAGAAAGTCACGGCTAATTACTTGCCAGCAGCCGCGGTAATACGTAGTTGGCAACCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAGATAAGTCTGGAGTGAAAGCCGCCGGCTGAACCGGGGAACTGCGTCGGAAGCTGTCCTTCTTGAGTGCAGAAGAGGAGAGTGGAAATCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACGCCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU8035;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.8755),o:"Bacteroidales"(0.7252),f:"Porphyromonadaceae"(0.3204),g:Parabacteroides(0.0904);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTCGTAAACTTCGTTTATAAGGGAATAAATGTGGGTACGCGTACCCGTTTGCATATACCTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGAGAAGCAAGTCAGTGGTGAAAGGTATGGGCTTAACCCATAGACTGCCATTGAAACTGGGGGGCTTGAGTATGTTTGAGGCAGGCGGAATGCGTGGTGTAGCGGTGAAATGCTTAGATATCACGCAGAACCCCGATTGCGAAGGCAGCCTGCCAAGCCATGACTGACGCTGATGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU8033;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Lachnospiraceae(0.7428),g:Clostridium_XlVb(0.4351);

ACGGGAGGCAGCAGTGGGGAATCTTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAAGGATGAAGGGTTTCGGCTCGTAAACTTCTATTAATAGGGAAGAAAGTAATGACGGTACCCAATTAAGAAGCTCCGGCTAACTACGCACCAGCAGCCGCGGAAATACGTAGGGGGCACGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGCATGGTAAGCCAGATGTGAAAGCCTTGGGCTTAACCCGAGAATTGCATTTGGAACTAGCTAGCTAGAGTACAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTTCTAGACTGCAACTGACGCTGAGGCTCGAAAGCATGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU8036;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Clostridiaceae_1(0.1679),g:Clostridium_sensu_stricto(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGTAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGCAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGTGTAGGCGGGGAAGCAAGTCAGATGTGAAAGTTACGGGCTCAACTCGTGAACGGCGTCTGAAACTGTTTTTCTTGAGGGTCGGAGAGGCAGGCGGAATCCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCCTGCTGGACCGTAACTGACGTTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8037;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Bacilli(0.5963),o:Lactobacillales(0.3319),f:Lactobacillaceae(0.1679),g:Lactobacillus(0.0423);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTGAGAGAAGAACGTGCGTGAGAGCAACTGTTCACGCAGTGACGGTATCTAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGTGAATACGTAGGGGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGTGTAGGCGGGACTGAAAGTCAGATGTGAAAATTACGGGCTCAACCCGTAACCTGCGTCTGAAACTGTGGTTCTTGAGAGTGGGAGAGGTAGATGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8038;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9605),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5023),f:"Prevotellaceae"(0.1679),g:Prevotella(0.0423);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACCAGGGGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGAGCGTAGGCGGGCGCTTAAGTCAGCTGTGAAAGTTTGGGGCTCAACCTTAAAATTGCAGTTGATACTGGGTGCCTTGAGTGCAGTATAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACTCAGAACACCGATTGCGAAGGCATCTGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA

>OTU8039;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Bacilli(0.9321),o:Lactobacillales(0.7623),f:Lactobacillaceae(0.4563),g:Lactobacillus(0.0808);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGGTTTCTGCTCGTAAAGCTCCGTTGGTAGTGAATAAAGATAGAGTTAGTATCTGGCCTTTATTTGACGGCAATTATTTAGAAAGTCACGGCTAATTCCGTGCCACCAGCCACTGTAGTACGTACGTGGCAAGCATTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAACGAAGTCTAAGGTGAAAGGCCTCGGCTCAACCGAGGAACTGCATCGGAAACTGGTTTTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCCCTCGGGTCCGCTACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU8040;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:"Bacteroidia"(0.0726),o:"Bacteroidales"(0.0473),f:Prolixibacteraceae(0.0113),g:Prolixibacter(0.0056);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGCGGCCCTATGGGCTGTGAACCGCTTTTGCCCGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACCCGGGGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATCCGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCTGTTCGTCAAGGCAGGGGTGAAATGCCGGGGCTCAACGCCGGGGCTGCCGTGGGGACTGGCGGGCTGGAGTGCGGATGCCGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACGCAGAACACCGATTGCGAAGGCAGCTGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGTATAGAACAGGATTAGATACCCTGGTA

>OTU8041;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.3448),c:"Bacteroidia"(0.1740),o:"Bacteroidales"(0.0781),f:Bacteroidaceae(0.0252),g:Bacteroides(0.0076);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGTCCTAGGGATTGTAAACTTCTTTTATAAGGGAATAAAACGCTCCACGTGTGGAGCCTTGTATGTACCTTATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAGTACGTAGGTCCCGAGCGTTGTCCGGATTTATTGGGCGTAAAGTGAGCGCAGGCGGTTTCGTAAGTCTGAAGTTAAAGGCAGTGGCTCAACCATTGTTCGCTTTGGAAACTGTATAGCTTGAGTATCGGAGGGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTACTGGACGATAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8044;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.8267),c:Actinobacteria(0.5963),o:Actinomycetales(0.3319),f:Actinomycetaceae(0.1679),g:Actinomyces(0.0423);

ACGGAAGGCAGCAGTGGGGAATTTTGCACAATGGACGCAAGTCTGATGCAGCGACGCCGCGTGAGGGATGGAGGCCTTCGGGTTGTGAACCTCTTTCGCTCATGGTCAAGCCGCACGTGTGCGTGTGGTGAGGGTAGTGGGTAAAGAAGCGCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGTGTGTAGGCGGGACTGCAAGTCAGATGTGAAGATTACGGGATCACCCCGTAACCTGCCATTGAAACTGGCGGGCTCGAGTGCGTGCGAGGAAGGCGGAATGCGTTGTGTAGCGGTGAAATGCATAGATACGACGCAGAACTCCGATTGCGAAGGCAGCTTTCCAGCGCGCTACTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU8042;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Lachnospiraceae(0.0904),g:Clostridium_XlVb(0.0181);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCAACGCCGCGTGAACGAAGAAGGCCTTCGGGTCGTAAAGTTCTGTCCATAGGGAAGAAATAAATGACGGTACCTTTGGAGGAAGCCCCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGGGGCAAGCGTTATACGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGTCGATTAAGTTAGATGTGAAACCCCCGGGCTTAACTTGGGGACTGCATCTAATACTGGTTGACTTAGAGTACAGGAGAGGGAAGCGGAATTCCTAGTGTAGCGGTGAAATGCATAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGAAACTGACACTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU8045;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9321),o:"Bacteroidales"(0.8412),f:"Prevotellaceae"(0.4563),g:Prevotella(0.1735);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGTAAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTCTGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTGTGGGACGTGTCCCATATTGTAGGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATCCGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCAGTCGTTTAAGCGTGTCGTGAAATGCCGGGGCTCAACCGTGGCACTGCAGCTCGAACTGGATGACTTGAGTTCGGGGGAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCGGCTTACCGGAGCGTTACTGACGCTGAAGCTCGAAAGTGCGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU8043;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Bacilli(0.9719),o:Lactobacillales(0.8520),f:Lactobacillaceae(0.5991),g:Lactobacillus(0.2607);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGATGAAGGTTTTCGCCTCGTAAAGCTCTGTTGTTGGAGAAGAAGGATCGTGAGAGTAACTGTCCACGCTGTGACGGTATTCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTGCGTAAGTCTGACGTGAAAGCCTGCGGCTTAACCGAAGAGGTGCATCGGAAACCGGGCGACTTGAGTGCAGAAGAGGTAGGTGGAACTCCGAGTGTAGCGGTGAAATGCGTAGATATATGGAGGAACACCGGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU8047;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9762),o:"Bacteroidales"(0.9497),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);

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>OTU8048;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9671),c:"Bacteroidia"(0.4812),o:"Bacteroidales"(0.2359),f:"Porphyromonadaceae"(0.0560),g:Parabacteroides(0.0087);

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diaceae_1(0.0904),g:Sarcina(0.0181);
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diaceae_1(0.5273),g:Clostridium_sensu_stricto(0.2171);
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ales"(0.0000),f:Sphingobacteriaceae(0.0000),g:Pedobacter(0.0000);
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diaceae_1(0.6350),g:Clostridium_sensu_stricto(0.3043);

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937),f:Bacteroidaceae(0.9387),g:Bacteroides(0.9705);
ACTTTCTTCCTCAGTTCTTCCTCTTTTTCCCTTTCCTCTCTCCTTCACCCTCCAAGTAGCTTGAAGGATGAAGGCTCTATG
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ales"(0.0352),f:Sphingobacteriaceae(0.0086),g:Mucilaginibacter(0.0043);
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ococcaceae(0.0560),g:Clostridium_IV(0.0134);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
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>OTU8082;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Lachn
ospiraceae(0.0113),g:Lachnospiracea_incertae_sedis(0.0056);

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>OTU8084;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.8808),c:Actinobacteria(0.7114),o:Coriobacteriales(
0.4280),f:Coriobacteriaceae(0.2524),g:Collinsella(0.0204);
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ospiraceae(0.3204),g:Clostridium_XlVa(0.0712);
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>OTU8086;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Lachn
ospiraceae(0.1291),g:Ruminococcus2(0.0204);
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280),f:"Porphyromonadaceae"(0.1485),g:Porphyromonas(0.0157);

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ales"(0.0413),f:Sphingobacteriaceae(0.0099),g:Parapedobacter(0.0046);
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781),f:"Porphyromonadaceae"(0.0252),g:Barnesiella(0.0076);
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occaceae(0.1485),g:Enterococcus(0.0230);
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ococcaceae(0.0113),g:Intestinimonas(0.0046);

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280),f:"Porphyromonadaceae"(0.1291),g:Barnesiella(0.0157);
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diaceae_1(0.5991),g:Clostridium_sensu_stricto(0.3915);
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es(0.3959),f:Solirubrobacteraceae(0.1872),g:Solirubrobacter(0.0519);
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diaceae_1(0.0355),g:Clostridium_sensu_stricto(0.0087);

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>OTU8095;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Bacilli(0.6730),o:Lactobacillales(0.3959),f:Lactobacillaceae(0.2184),g:Lactobacillus(0.0615);

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ales"(0.7623),f:Vibrionaceae(0.5632),g:Catenococcus(0.0904);
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719),f:"Rikenellaceae"(0.0252),g:Alistipes(0.0076);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGTCATGCCGCGTGAAGGACTAAGGC
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0.0413),f:Flavobacteriaceae(0.0099),g:Cruoricaptor(0.0046);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCAGCGTGAAGGACTAAGGC
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>OTU8106;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Eubacteriaceae(0.0149),g:Alkalibaculum(0.0066);

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>OTU8108;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9903),o:Lactobacillales(0.9775),f:Lactobacillaceae(0.9387),g:Lactobacillus(0.8124);

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>OTU8109;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9913),o:Lactobacillales(0.9753),f:Lactobacillaceae(0.9294),g:Lactobacillus(0.7643);
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412),f:"Prevotellaceae"(0.5273),g:Prevotella(0.0904);
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679),f:"Porphyromonadaceae"(0.1098),g:Barnesiella(0.0157);
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diaceae_1(0.2864),g:Clostridium_sensu_stricto(0.0712);
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ococcaceae(0.5632),g:Intestinimonas(0.0712);
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3),f:Spirochaetaceae(0.5632),g:Treponema(0.2171);
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685),f:"Prevotellaceae"(0.9015),g:Prevotella(0.7162);
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(0.9730),f:Methylobacteriaceae(0.9387),g:Methylobacterium(0.9686);
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adales(0.9389),f:Succinivibrionaceae(0.9201),g:Succinivibrio(0.7643);
CCTTCCTTCCTCCTTCTTGACTATTGCACCCTGGCGGAAACTCTGATGCAGCCATGCCGCGTGTGTGAAGAAGGCCTTC
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ACGGGGCAGCATTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGGAGGAAGAAGGTCT
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ales"(0.0473),f:Chitinophagaceae(0.0113),g:Lacibacter(0.0056);
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ospiraceae(0.9201),g:Roseburia(0.7162);
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ae_Sedis_XI(0.0025),g:Clostridium_XII(0.0024);
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995),f:"Prevotellaceae"(0.4563),g:Prevotella(0.0808);
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ococcaceae(0.1679),g:Papillibacter(0.0181);
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cillaceae(0.8864),g:Lactobacillus(0.3915);
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629),f:"Prevotellaceae"(0.5632),g:Prevotella(0.2171);
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erales(0.9843),f:Rhodobacteraceae(0.9873),g:Paracoccus(0.8605);
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766),f:Bacteroidaceae(0.1485),g:Bacteroides(0.0326);
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>OTU8142;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Rumin
ococcaceae(0.1291),g:Clostridium_IV(0.0204);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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>OTU8141;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Bacilli(0.9719),o:Lactobacillales(0.8303),f:Lactobacillaceae(0.6350),g:Lactobacillus(0.3043);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCAGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCGCAGTCGGTAGTGAAGAAAGATAGAGGTAGTAACTGGCCTTTATGTGACGGTAATTACTTAGAAAGTCACGGCTAACTACGTGCCAGCAGAAGCGGTAATACGTAGGTGGAAAGCGATGTCCGGATTTATTGGGCGTAAAGCGAGTGCAGGCGGTGCAATCAGTCTGATGTGCAAGCCTTCGGCTCAACCGTAGAATTGCATCAGAAACTGTTGAACTTGAGTGCAGAAGCGGAGATTGGACCGCCATGTGTGGCGGTGGAATGCGTAGCTATATGGACGACCACCGGTGGCGCAGGCGGCTCTCTGGTCTGCAACTGACGCTGATGCTCGCAAGCATGGGTAGCGAACATGATTAGATACCCTGTTA

>OTU8143;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Lachnospiraceae(0.1872),g:Clostridium_XlVa(0.0519);

ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACTCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGGAAATGACGATACCTGAATAAGAAGCACCGGCTAACTACGAGCAAGCAGCCGCGGTAATACGTAGGGGGCAGGGGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGATGCAAGTCTGAAGTGAAAGCCCAGGGCTCAACCCTGGAACTGCTTTTGATACTGTATGGCTAGAGTGCTGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGGCACTAACTGACGCTGAGGCTCGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU8144;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Ruminococcaceae(0.3884),g:Clostridium_IV(0.0326);

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>OTU8145;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Clostridiaceae_1(0.1485),g:Clostridium_sensu_stricto(0.0204);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGAAAACCCTGATGAAGCAACGCCGCGTGATTGATGACGGCCTTCGGGTTGTAAAGCTCTGTTTTCAGGGACGATAATGACGGTACCGGAGGAGGAAGCAACGGCTAACAACGTGCCAGAAGCCGCGGAAAAAGGTAGTGGGGGGGGGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGACGGCATGGCAAGTTGGATGTGAAATACCCGGGCTTAACTTGGGGGCTGCATCCAATACTGTCGGACTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8147;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:"Bacteroidia"(0.4812),o:"Bacteroidales"(0.2359),f:"Porphyromonadaceae"(0.0710),g:Parabacteroides(0.0134);

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>OTU8146;tax=d:Bacteria(1.0000),p:Firmicutes(0.3448),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Ruminococcaceae(0.0252),g:Clostridium_IV(0.0056);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGATGACGGTCCTACGGATTGTAAACCTCTTTTGTCGGGGAGTAACGTGCGGGACGGGTCCCGTATTGAGAGTACCCGAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGTCGGCAAGTCCGATGTGAAATCCACGGGCTTAACTCGTGAACTGCATTTGAAACTGTTGCTCTTGAGTATCGGAGAGGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTTCTGGACTGAAACTGACGCTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8148;tax=d:Bacteria(1.0000),p:Firmicutes(0.1905),c:Clostridia(0.0726),o:Clostridiales(0.0473),f:Lachnospiraceae(0.0099),g:Clostridium_XlVb(0.0046);

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>OTU8149;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Lachnospiraceae(0.3544),g:Pseudobutyrivibrio(0.0519);

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ococcaceae(0.1872),g:Ruminococcus(0.0230);
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teriaceae(0.2864),g:Eubacterium(0.0808);
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652),f:Bacteroidaceae(0.2864),g:Bacteroides(0.0808);
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ococcaceae(0.1679),g:Clostridium_III(0.0230);
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>OTU8158;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Lachn
ospiraceae(0.6350),g:Pseudobutyrivibrio(0.3043);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
TTTCGGTATGGAAAGCTCTATCAGCAGGGAAGAAGAAATGACGGTACCTGACTAATAAGCGGCGGCGAAATACGTG
CCAGCAGCCGCGGTAATACGAATGGAGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGTTTTA
TAAGTCTGATGTGAAAGCCCGGGGCTCAACCGCGGCACTGCATTGGGAACTGTAGAACTAGAGTGTCGGAGGGGTA
AGTGGAATTCCTAGTGTAGCGGTGAAATGCTTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGAGG
GTTACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU8155;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Rumin
ococcaceae(0.1291),g:Clostridium_IV(0.0157);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGATGGC
TTTCGGGTTGTAAACTTCTTTTAACAGGGACGAAGAAGTGACGGTACCTCTTGAATAAGCCCCTGCTAACTACGTTCC
AGCAGCCGCGTTAATACGTAGTTGGCGTGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGGAATGCA
AGTCAGATGTGAAATCCAAGGGCTCAACCATTGAACTGCATTTGAAACTGTATTTCGTGAGTGTCGGAGAGGTTGAC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGTCAACTGGACGATA
ACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU8157;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Clostri
diaceae_1(0.0560),g:Sarcina(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
CTTCGGATCGTAAACCTCTGTCAGAAGGGAAGAAACTAGGGTGCTCTAATCATCATCCTACTGACGGTACCTGTAAAG
TAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGTGTAA
AGGGTGAGTAGGCGGGCTGACAAGTCAGATGTGAAATGTTCGGGCTTAACCTGAGAACTGCATTTGAAACTGCCAG
TCTTGAGTGTCGGAGGGGTAATCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGG
CGAAGGCGGATTACTGGACGACAACTGACGCTGATACACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGT
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>OTU8156;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Bacilli(0.2902),o:Bacillales(0.1249),f:Paenibacillaceae_1(0.0457),g:Paenibacillus(0.0110);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGG
GTTTCGGCTCGTAAACTTCTGTCCTATGGGACGAAGGAAGTGACGGTACCATAGGAGGAAGCCCCGGCTAACTACGT
CCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGATTGGGGGTAAAGGGCGTGTAGGCGGTCT
GGTAAGTCTGGAGTGAAAGCCCTGGTTTCAAGGTAGGAATTGTTTTTGATACTGTGGGGCTGGAGTGCAGGAGAGG
AAAGCGGAATTCCTGGTGTAGCGGTGAAATGCGTAGAGATCAGTAGGAACACCAGTGGCGAAGGCGGCTTACTGGA
CTGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8159;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Lachnospiraceae(0.0355),g:Lachnospiracea_incertae_sedis(0.0066);

ACGGGAGGCAGCAGCCCGTCGTTAGGATTAGATACCCTGGTAAGATCGGAAGAGCACACGTCTGAACTCCAGTCACC
CAACAATCTCGTATGCCGTCTTCTGCTTGAAAAAAAAAAGTACCTGACTAAGAAGCACCGGCTAAATACGTGCCAGCA
GCCGCGGTAATACGTATGGTGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGCGTAGGTGGAATGGTAAGTC
AGATGTGAAAACTATGGGCCCAACCCATAGCCTGCATTTGAAACTGCCGATCTAGAGTGCAAGAGAGGAAAGTGGA
ATTCCTAGTGTAGCGTTTTTTTTTTTTAATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCC
GATCTACGGGAGGCAGCAGCCCGTCGTTAGGATTAGATACCCTGGTA

>OTU8161;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Lachnospiraceae(0.0113),g:Clostridium_XlVa(0.0046);

ACGGAAGGCAGCAGCCCGTCGTTAGGATTAGATACCCTGGTAAGATCGGAAGAGCACACGTCTGAACTCCAGTCACC
CAACAATCTCGTATGCCGTCTTCTGCTTGAAAAAAAAAAATACCTGACCAAGAAGCCCCGGCTAACTACGTGCCAGCA
GCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGAGACAAGTC
TGAAGTGAAAGGCTGGGGCCCAACCCCGGTACTGCTTTGGAAACTGCCTGGATAGAGTGCGGGAGGTGTAAGCGGA
ATTCCTAGTGTAGCGGTTTTTTTTTTTAATGATACGGCGACCACCGAGATCTAAACTCTTTCCCTACACGACGCTCTTCC
GATCTACGGAAGGCAGCAGCCCGTCGTTAGGATTAGATACCCTGGTA

>OTU8162;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:Sphingobacteriia(0.0726),o:"Sphingobacteriales"(0.0473),f:Chitinophagaceae(0.0113),g:Terrimonas(0.0056);

GTGTCAGCCGCCGCGGTAAGACGAAGGATGCAAGCGTTATCCGGATTCATTGGGTTTAAAGGGAGCGTAGGTGGAC
TGATAAGTCAGTGGTGAAATCTTCGAGCTTAACTCGGAAATTGCCATTGATACTGTTGGTCTTGAGTACAGTTGCTGT
GGGCGGAATATGACATGTAGTGGTGAAATACATAGAGATGTCATAGAACACCGATTGCGAAGGCAGCTCACAAAGC
TGTAACTGACACTGAGGCTCGAAAGTGTGGGGATCAAACAGGATTAGATACCCTGGTAGTCCACACTGTAAACGATG
ATTACTCGCTGCTAGAGGGCAACTTTTAGTGGCTTAGCGAAAGCGATAAGTAATCCACCTGGGGAGTACGCCGGCAA
CGGTGAAACTCAAAGGAATTGGCGGGG

>OTU8160;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9726),o:Clostridiales(0.8737),f:Eubacteriaceae(0.3544),g:Eubacterium(0.1299);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTCGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTACTACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGAGGTGAAAGGCTACGGCTCAACCGTAGTAAGCCGTGGAAACTGGGAAACTTGAGTGAAGGAGAGGAGAGTGGAATTCGTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCGGCTCTCTGGACTGGTATTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8163;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Lachnospiraceae(0.0355),g:Ruminococcus2(0.0066);

ACGGAAGGCAGCAGGATTAGATACCCTGGTAAGATCGGAAGAGCACACGTCTGACTCCAGTCACCCAACAAACTCGTATGCCTTCTTCAGCTTGAAAAAAGTTGACGAAGGAAGTGACGGTAGGCTATAAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGACGGCAGATCAAGTCTGATGTGAAATCCCTGGGCTCAACCCCGGAACTGCATTGGAAACTGGTCAGCTGGAGTGCCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTTTTTTAATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACCCGACGCTCTTCCGATCTACGGAAGGCAGCAGGATTAGATACCCTGGTA

>OTU8164;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Lachnospiraceae(0.1098),g:Blautia(0.0204);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACTCTGATGCAGCAACGCCGCGTGAGGGATGAAGGACTTCGGGATGTAAACTTCTATCATCAGGGAAGAAAATGACGGTACCTGAGTAAGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTTTTGTAAGTGTGATGTGAAATACTCGGGCTCAACCCGAGAACTGCATTGGAAACTGTAGATCTAGAGTACCGGAGAGGAAAACGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCCTGCTGGACGGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8165;tax=d:Bacteria(1.0000),p:Firmicutes(0.9994),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Lachnospiraceae(0.7428),g:Blautia(0.4351);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGGGAAGGAAGAAGTATCTCGGTATGTAAACTTCTATCAGCAGGGAAGATAGTGACGGTACCTGACTAAGAAGCCCCGGCGAAATACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTGTGGCAAGTCTGAGTTTAAAGGCATGGGCTCAACCTGTGGACTGCGTTTGAAACTGTCATACGTTAGTGCCGGATGGGTAAGCGGAAGTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGTCGAAGGCGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGGGGGGAGCTAACAGGATTAGATACCCTGGTA

>OTU8166;tax=d:Bacteria(1.0000),p:"Tenericutes"(0.8267),c:Mollicutes(0.5963),o:Anaeroplasmatales(0.3319),f:Anaeroplasmataceae(0.1679),g:Anaeroplasma(0.0423);

ACGGGAGGCAGCAGCCCGAGGATTAGATACCCTGGTAAGATCGGAAGAGCACACGTCTGAACTCCAGTCACCCAAC
AATGTCGTATGCCGTCTTCTGCTTGAAAAAAAAAAAACAAATTGACGGTACAAGATGAATAAGCTCCGGCTAACTACG
TGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTATCCGGAATTATTGGGCGTAAAGGGTGCGCAGATGGCAC
ATTAAGTTTCTTGTAAAAATGCTAGGCTCAACTTAGTAGGTCAAGAGATACTGATGAGCTAGAGTACAAAAGAGGCA
AGTGGAATTCCATGTTTAGCGTTAAAATTCTTTTTTTTAATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACAC
GACGCTCTTCCGATCTACGGGAGGCAGCAGCCCGAGGATTAGATACCCTGGTA

>OTU8167;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Ruminococcaceae(0.0904),g:Clostridium_IV(0.0134);

ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGAGGAAACTCTGATGCAGCAACGCCGCGTGAGGGATGAAGGT
TTTCGGATTGTAAACCTCTGTCCTTAGTGAAGAACAAAATGACGGTAACTAAGGAGGAAGCTCCGGCTAACTACGTG
CCAGCGGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGATTTATTGGGTGTAAAGGGTGCGTAGGCAGTTATG
TAAGTCAGGCGTGTAATGCAGAGGCTTAACCTCTGAACTGCGTTTGAAACTGCGTAACTTGAGTGGAGTAGAGGCAG
ATGGAATTTCCAGTGTGGCGGTGAAATGCGTAGATATTGGAAGGAACACCAGTGGCGAAGGCGATCTGCTGGGCTC
TAACTGACGCTGAGGCACGAAAGCATGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8168;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:Sphingobacteriia(0.1159),o:"Sphingobacteriales"(0.0547),f:Sphingobacteriaceae(0.0149),g:Parapedobacter(0.0066);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATCCAGCCATGCCGCGTGAAGGACTAAGGCC
CTATGGGTCGTAAACTTCTTTTGACGCAGAGCAATAAGGTTCACGTGTGGACTGATGAGAGTATGCGTCGAATAAGC
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGT
GCGTAGGCGGATGGGTAAGTCAGCGGTGAAATGTCCCGGCTTAACCGGGGAACTGCCACTGATACTGCCTGTCTTGA
ATGCGGATGCCGTGGGAGGAATGTGTAGTGTAGCGGTGAAATGCATAGATATTACACAGAACACCGATTGCGAAGG
CATCTCACGAATCCGTTATTGACGCTGAGGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU8169;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Ruminococcaceae(0.1679),g:Ethanoligenens(0.0326);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGAGGAAACTCTGATGCAGCAACGCCGCGTGAGGGAAGAAGGT
TTTCGGATTGTAAACCTCTGTTTTTAGTGAAGAATAGAATGACGGTAGCTAAAGAGGAAGCCACGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGTGCGCAGGCGGGACTG
CAAGTTGGATGTGAAATACCGAGGCTTAACCTCGGAGCTGCATCCAAAACTGGGGTTCTTGAGTGGAGTAGAGGTAA
ACGGAATTCCGAGTGTAGAGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGGCTC
TAACTGACGGTGGGGCACGAAAGTGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU8170;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9987),c:Alphaproteobacteria(0.9726),o:Sphingomonadales(0.5395),f:Sphingomonadaceae(0.3544),g:Sphingomonas(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGCGAAAGCCTGATCCAGCAATGCCGCGTGAGTGATGAAGGCTTTAGGGTTGTAAAGCTCTTTTACCCGGGACGATAATGACAGTACCGGGAGAATAAGCTACGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGAGCTAGCGTTGATCGGAATTACTGGGCGTAAAGCGCACGTAGGCGGCTGTGTAAGTTAGAGATGAAAGCCTGGAGCGCAACACCAGCAATGCCTATAAGACTGCATCGCTTGAATCCAGGGGAGGTGAGTGGAATTCCGAGTGTAGAGGTGAAATTCGTAGATGTTCGGAAGAACACCAGTGGCGAAGGCGGCTCACTGGACTAGTATTGACGCTGAGGAGCGAAAGCGTAGGGAGCAAACTGGATTAGATACCCTGGTA
>OTU8171;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6036),c:Flavobacteriia(0.0626),o:"Flavobacteriales"(0.0413),f:Flavobacteriaceae(0.0099),g:Flavobacterium(0.0046);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCTTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACCAGGCGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCGGTGCGTCAAGTGGGAGATGAAATACCGGGGCTCAACACGGGGGCTGCACTTGATACTGTCGCGCTGGAGTGCAGATGAGGCGAGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCAGGAAGAACACCGGTGGCGAAGGCGTCTGGCGGGTCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU8172;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9769),c:Actinobacteria(0.9462),o:Actinomycetales(0.6881),f:Actinomycetaceae(0.3204),g:Arcanobacterium(0.0712);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGACGGAAGTCTGATGCAGCAACGCCGCGTGGGGGATGACGGCTTTCGGGTTGTAAACTCCTTTTATCACTGAAGAAGCGAGAGTGACGGTAGGTGGTGAATAAGCATCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGATGCGAGCGTTATCCGGATTTATTGGGCGTAAAGAGCTCGTAGGCGGTTTGTTGCGTCTGCTGTGAAAGTCCGGGGCTTAACTTCGGGATTGCAGTGGGTACGGGCAGGCTGGAGTGCGGTAGGGGTAGCTGGAATTCCTGGTGTAGCGGTGGAATGCGCAGATATCAGGAGGAACACCGATGGCGAAGGCAGGTTACTGGGCCGTTACTGACGCTGAGGAGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU8173;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Ruminococcaceae(0.3204),g:Ruminococcus(0.0519);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGAGGAAACTCTGATGCAGCAATGCCGCGTGAGGGAAGAAGGTCTTCGGATTGTAAACCTAAGTAGACAGGGACGATAATGACGGTACCTGTAAAGTAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGTGCGTAGGCGGGTCTGCAAGTCAGGTGTGAAGTCCCGGGGCTTAACTCCGGAGCTGCACTTGAAACTGTGGATCTTGAGTGAAGTAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTTTAACTGACGCTGAGGCACGAAAGCATGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8174;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8472),o:"Bacteroidales"(0.6509),f:"Prevotellaceae"(0.2864),g:Alloprevotella(0.0519);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTAGGCGGGGGTAAAGGGGCGTACGCGTTCCGCCTTTGCAAGTACTGCTAGAAAAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGCGATTAAGTCAGCTGTGAAAGCCGGCGGCTCAACCGTAGGCGTGCAGTTGATACTGGGGGTCTTGAGTGCAGGCAGGGGAGTCGGAATTCGTGGTGTAGCGGTGAAATGCTCAGATATCATGAAGAACTCCGATCGCGAAGGCAGATGCCCGGAGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU8175;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Lachnospiraceae(0.1679),g:Clostridium_XlVa(0.0423);

ACGGAAGGCAGCAGTAGGGAATATTGGACAATGGGGGGAACCCTGATCCAGCGACGCCGCGTGAGTGAAGAAGTTCTTCGTAATGTAAAGCTCTATCAGCAGGGACGATAATGACGGTACCTGACTAAGAAGCACCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGGTGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGATGGTCAGGCAAGTCAGGAGTGAAATACCGGGGCTCAACCCCGGGGCTGCTCTTGAAACTGCAGGACTGGAGTGCAGGAGGGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTTGCGAAGGCGGCTTACTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8177;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8267),c:"Bacteroidia"(0.1740),o:"Bacteroidales"(0.0781),f:"Porphyromonadaceae"(0.0252),g:Porphyromonas(0.0076);

ACGGGAGGCAGCAGTGAGGAATATTACTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGAACGCTACGGCCCTACGGGTCTTAAACTTCTTTTGTCTGGGAGCAATAAGGTGTTCGTGAACACCGATGAGAGTACCAGACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAAAACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGCCTGTTAAGTCAGCGGTGAAATGTCCGCGCTCAACGAGGAAAGTGCCGTTGATACTGGTGGGCTTGAATGCGGATGACGTTGGAGGAATGTGTGGTGTAGCGGTGAAATGCATAGATATCACACAGAACACCCGTTGCGAAGGCAGCTCACTAATCCGCTACTGACGCTGATGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU8179;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8628),c:"Bacteroidia"(0.2902),o:"Bacteroidales"(0.1249),f:"Rikenellaceae"(0.0457),g:Alistipes(0.0110);

ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGACGCAAGTCTGAACCAGCCATGCCGCGTGAAGGAATACGGCCCTATGAGTCGTAAACTTCTTTTGTAGCAGAGCAATCACTATTACGTGTAAGCGGATGAGAGTATCCGACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTTGGGTAAGTCAGAGGTGAAATATCGGGGCTTAACCGCGGAACTGCCATTGATACTGTCTGTCTAGAGTGTAGATGCGGTAGGAGGAATGTATAGTGTAGCGGTGAAATGCTTAGAGATTACACAGAACACCGATTGCGAAGGCATCTTACGAAACCGTTTTTGACGTTGAGGCACGAAAGCGTGGGGATCAAACAGGATTAGAGACCCTGGTA

>OTU8176;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Ruminococcaceae(0.3204),g:Ruminococcus(0.0808);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGTCTTCGGATTGTAAAGTTCTTTTATTAAGGACGAAGAAGTGACGGTACTTAATGAATAAGCTCCGGCTAATTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGCTTTACTGGGTGTAAAGGGTGCGTAGGCGGCAGAGCAAGTTAGATGTGAAATCCGTGGGCTTAACCCACGAACTGCCTTTGAAACTGTTTTGCTTGAGTGAAGTGGAGGGCGGCGGAATTCCCTGTGTAGCGGTGAAATGCGTTGAGATACGGAGGAACCCCAGTTGCGAAGGCGGCCTGCCTGGCTTTAACTGACGCTGAGGCACGAAGGCGTGGGTAGCAAACAGGATTAGATACCCCGGTA
>OTU8178;tax=d:Bacteria(0.9073),p:Firmicutes(0.2586),c:Clostridia(0.1159),o:Clostridiales(0.0547),f:Ruminococcaceae(0.0073),g:Intestinimonas(0.0039);
ACGGGAGGCAGCAGGATTAGATACCCTGGTAAGATCGGAAGAGCACACGTCTGAACTCCAGTCACCCAACAATCTCGTATGCCGTCTTCTGCTTGAAATAAAAAACGAAGGAAGTGACGGTACCTCATGAATAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTATCCGGATGTACTGGGTGTAAAGGGCGTGTAGGCGGGAAAGCAAGTCAGATGTGAAAACCATGGGCTCAAACTGTGGCCTGCATGGTAAACAGTTGTTCCTGAGGGATGGAGAGGCAGTCGGAATTCCGTGTGTAGCGGTGAAATGCGTATTTTTTTTTATAATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATCTACGGGAGGCAGCAGGATTAGATACCCTGGTA
>OTU8182;tax=d:Bacteria(0.0024),p:"Acidobacteria"(0.0000),c:Acidobacteria_Gp3(0.0000),g:Gp3(0.0000);
TTAACACTACTGGTTATATTGACCATGCCGCTTTTCTTGGCACGATTAACCCTGATACCAATAAAATCCCTAAGCATTTGTTTCAGGGTTATTTGAATATCTATAACAACTATTTTAAAGCGCCGTGGATGCCTGACCGTACCGAGGCTAACCCTAATGAGCTTAATCAAGATGATGCTCGTTATGGTTTCCGTTGCTGCCATCTCAAAAACATTTGGACTGCTCCGCTTCCTCCTGAGACTGAGCTTTCTCGCCAAATGACGACTTCTACCCCCTCTATTGACATCATGGGCCTGCCAGCTCCCTATGCTAACTTGCATACTCACCAAGACCTTGATTACTGCATCCCGCGTT
>OTU8181;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9769),c:Actinobacteria(0.9038),o:Solirubrobacterales(0.6881),f:Conexibacteraceae(0.3544),g:Conexibacter(0.1299);
GTGTCAGCAGCCGCGGTAATACGTAGGGTGCAAGCGTTGTCCGGAATCATTGGGCGTAAAGAGCGTGTAGGCGGCCCGATTAGTCCGCTGTGAAAGTCCAGGGCTCAACCCTGGAATGCCGGTGGATACTGTCGGGCTCGAGTCCGGAAGAGGCGAGTGGAATTCCTGGTGTAGCGGTGAAATGCGCAGATATCAGGAAGAACACCAACGGCGAAGGCAGCTCGCTGGGACGGTACTGACGCTGAGACGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTAGTCCACGCCGTAAACGATGGGTACTAGGTGTGGGGGGTGTCGACTCCCCCCGTGCCGAAGCTAACGCATTAAGTACCCCGCCTGGGGAGTACGGCCGCAAGACTAAAACTCAAATGAATTGACGGGG
>OTU8180;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Ruminococcaceae(0.1485),g:Clostridium_III(0.0326);

ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAAGGAAGAAGGT
TTTCGGATCGTAAACTTTTGTCTTATGGGACGAACGATGACGGTACCATAGGAGGAAGCCACGGCTAACTACGTGCC
AGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGCGCGTAGACGGGCAGATA
AGTCAGATGTGAAATACCGAGGCTCAACCTCGGGGCTGCATTTGAAACTATCAGTCTTGAGTGCAGGAGAGGGAAG
CGGAATTCCTAGTGTAGCGGTAAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGT
AACTGACGTTGAGGCGCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU8183;tax=d:Archaea(0.4171),p:Pacearchaeota(0.1707),g:Pacearchaeota_Incertae_Sedis_AR13(0.0046
);
GTGCCAGCCGTCGCGGTAATCCCGGCAGTTCAAGTCGCATCCACTATTATTGGGTCTAAAACATCCGTAGCTTGCTAT
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AAGGAGTACGCTGGAGGTAATGGTTAAATGTGTTAATCTTCAGCGGACTAACAATGAGCGAAGGCACCTTACAAGGA
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>OTU8184;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Lachn
ospiraceae(0.2864),g:Coprococcus(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCGACGCCGCGTGGAGGAAGAAGTA
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AGTCAGCAGTGAAAACCCGGGGCCCAACCCCGGGCATGCTGTTGAAACTGCATTGCTTGATTCCGGGAGGGGTAAG
CGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATCAGGAGGAACACCGGTGGCGAAGGCGGCTTACTGGACCGG
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>OTU8185;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.7
995),f:"Prevotellaceae"(0.4914),g:Prevotella(0.0904);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGAAAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCAGGCGTTATCCGGAGTTATTGGGTTTAAAGGGA
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GTGCGCGGAATGTAGGCGGAATTCGTCGTGTAGCGGTGAAACGCTTAGATATGACGAAGAACTCCGATTGCGAAGG
CAGCTTACAGTAGCGTAACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU8186;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Clostri
diaceae_1(0.4563),g:Clostridium_sensu_stricto(0.2607);

ACGGGAGGCAGCAGTAGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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GCAGCCGCGGTAATACTTCGTTGGCGCGCCTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTTATAAG
TGAGATGTGAAATACTCGGGCTTAACCTGTGTGCTGCATTACAAACTGGAGGTCTAGAGTGCAGGAGAGGAGAGTG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGCTTCTCTGGACTGTAA
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>OTU8188;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Lachn
ospiraceae(0.2184),g:Fusicatenibacter(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGTA
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>OTU8189;tax=d:Bacteria(0.9450),p:Firmicutes(0.1707),c:Clostridia(0.0626),o:Clostridiales(0.0413),f:Rumin
ococcaceae(0.0073),g:Fastidiosipila(0.0039);
ACGGAAGGCAGCAGTTAGGAATATTGGGCAATGGAGGCAACTCTGACCCAGCAACGCCGCGTGAAGGATGAAGGTC
CTCGGATTGTAAACTTCTGTATTAGAGGAAGAAGATAGTGACGGTACTCTAATAGAAAGCTACGGCAAACTACGTGC
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AAGTCCGATGTGAAAGCCCGTGGCTCAACCACGGAATTGCATCGGATACTGGGTGACTAGAGTGCGGAAGAGGTTG
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>OTU8187;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.6730),o:Clostridiales(0.3639),f:Rumin
ococcaceae(0.1291),g:Oscillibacter(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTTCTGCCTCAACGCCGCGTGAGCGATGAAGGCC
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CAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGAATGTAAG
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AATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGACAAC
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>OTU8190;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9900),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.6
881),f:"Prevotellaceae"(0.4224),g:Prevotella(0.0519);

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GTGCGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAATTTTTTTTTTATTGATACGGCGACCACCGAGATCGAC
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>OTU8191;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Lachn
ospiraceae(0.0252),g:Robinsoniella(0.0076);
ACGGGAGGCAGCAGTCGGGAATATTGCGCAATGGAGGAAACTCTGACGCAGTGACGCCGCGTATAGGATGAAGGT
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GAATTCCTAGTGTAGCGGTGAACTGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTACTGGACTGTAA
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000),f:Thermotogaceae(0.0000),g:Geotoga(0.0000);
AGAACTTTAAAAGTGCTCATCATTGGAAAACGTTCTTCGGGGCGAAAACTCTCAAGGATCTTACCGCTGTTGAGATCC
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CAGGAAGGCAAAATGCCGCAAAAAAGGGAATAAGGGCGACACGGAAATGTTGAATACTCATACTCTTCCTTTTTCAA
TATTATTGAAGCATTTATCAGGGTTATTGTCTCATGAGCGGATACATATTTGAATGTATTTAGAAAAATAAACAAATAG
GGGTTCCGCGCACATTTCCCCGAAAAGTGCCACCTGACGTCTAAGAAACCATTATTATCATGACATTAACCTATAAAA
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>OTU8192;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9992),c:Actinobacteria(0.9938),o:Actinomycetales(
0.9933),f:Corynebacteriaceae(0.9201),g:Corynebacterium(0.8605);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGACGGAAGCCTGATGCAGCGACGCCGCGTGGGGGATGAAGGC
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GTCGCGTCGTCTGTGAAATTCCGGGGCTTAACTCCGGGCGTGCAGGCGATACGGTCTAACTTGAGTGCTGTAGGGGA
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>OTU8194;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9769),c:Sphingobacteriia(0.9038),o:"Sphingobacteri
ales"(0.7995),f:Chitinophagaceae(0.4914),g:Hydrotalea(0.0519);

GTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTATCCGGATTCACTGGGTTTAAAGGGTGCGTAGGCGGGC
TAGTAAGTCAGTGGTGAAATCCCCGAGCTTAACTTGGGAACTGCCGTTGATACTATTAGTCTTGAATATCGTGGAGGT
AAGCGGAATATGTCATGTAGCGGTGAAATGCTTAGATATGACATAGAACACCAATTGCGAAGGCAGCTTGCTACACG
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>OTU8197;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9604),o:"Bacteroidales"(0.8629),f:"Prevotellaceae"(0.5273),g:Prevotella(0.1299);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGC
CCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTGGGGGACGTGTCCCTTATTGCAGGTACCGCATGAATAAG
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GAGTGCGCAGGAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACCCCGATTGCGAA
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>OTU8195;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Ruminococcaceae(0.0355),g:Clostridium_IV(0.0087);

ACGGGAGGCAGCAGTGGGGGATATCGCACAATGGAGGAAACTCTGTTGCAGCAACGCCGCGTGAGGGATGAAGGT
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GATGGAATTTCCAGTGTAGCGGTGAAATGCGTAGATATTGGAAGGAACACCCGTGGCGAAGGCGATCTGCTTGGCG
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>OTU8196;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Ruminococcaceae(0.1485),g:Papillibacter(0.0204);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGG
ACTTCGGGTTGTAAACTTCTTTTAACAGGGAAGAAGAAGTGGCGGTACCTGTTGAATTAGCCACGTCTAACGACGTG
CCAGCAGCCGCGTCAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGAGTG
CAAGTCAGGTGTGTAATCTACAGGCTCAACCTGTAAACTGCATTGGAAACTGTGTATCTTGAGTGTCGGAGAGGTAG
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>OTU8198;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Ruminococcaceae(0.0560),g:Butyricicoccus(0.0134);

ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGGGAAACCCTGACGCAGCAACGCCGCGTGATCGAAGAAGGT
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CAAGTCAGATGTGAAATCTATGTGCTCAACGCATAGACTGCGTCTGAAACTGTATGTCTTGAGTGTCGGAGGGGTAG
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>OTU8199;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Clostridiaceae_1(0.3544),g:Clostridium_sensu_stricto(0.1299);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGATGACGGT
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GCAGCCGCGGTAATACGTAGGTCGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTCTTAA
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>OTU8200;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Peptostreptococcaceae(0.1291),g:Clostridium_XI(0.0230);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAAGGATGAAGGT
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>OTU8201;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Bacilli(0.9861),o:Lactobacillales(0.9934),f:Streptococcaceae(0.9852),g:Streptococcus(0.9799);

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>OTU8205;tax=d:Bacteria(0.0041),p:"Bacteroidetes"(0.0000),c:"Bacteroidia"(0.0000),o:"Bacteroidales"(0.0000),f:"Prevotellaceae"(0.0000),g:Prevotella(0.0000);

GCTGGCACTTCTGCCGTTTCTGATACGTTGCTTGATTTGATTGGACTTGGTGGCCAGTCTGCCGCTGATAAAGGACAG
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023),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0181);
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ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
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ococcaceae(0.5632),g:Ruminococcus(0.0904);
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diaceae_1(0.5273),g:Clostridium_sensu_stricto(0.3479);
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652),f:"Prevotellaceae"(0.2184),g:Alloprevotella(0.0230);
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cillaceae(0.8146),g:Lactobacillus(0.5239);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCCACGCCGCGTGAGTGAAGACGGG
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ococcaceae(0.1872),g:Clostridium_III(0.0230);
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cillaceae(0.1485),g:Lactobacillus(0.0326);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGCAGCAACACCGCGTGAGTGAAGAAGTGT
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>OTU8212;tax=d:Archaea(0.0024),p:"Euryarchaeota"(0.0000),c:Halobacteria(0.0000),o:Halobacteriales(0.0
000),f:Halobacteriaceae(0.0000),g:Salarchaeum(0.0000);

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ales"(0.0547),f:Sphingobacteriaceae(0.0149),g:Parapedobacter(0.0066);

ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGATGGAAATCTGACCCAGCCATGCCGCGTGCAGGAAGACGGT
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diaceae_1(0.3884),g:Clostridium_sensu_stricto(0.1299);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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GGAACTCCATGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGCTTCTCTGGACTGTA
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>OTU8213;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.1905),c:Spirochaetia(0.0726),o:Spirochaetales(0.047
3),f:Spirochaetaceae(0.0113),g:Treponema(0.0056);

ACGGGAGGCAGCAGCTACGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGGATGATGAAGGC
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>OTU8214;tax=d:Bacteria(1.0000),p:Firmicutes(0.2586),c:Clostridia(0.1159),o:Clostridiales(0.0547),f:Eubac
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ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGTCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
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cillaceae(0.5273),g:Lactobacillus(0.1735);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATCGAGCCACGCCGCGTGAGTGAAGAAGGTT
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509),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0230);
ACGGAAGGCAGCAGTGAGGAATATTGGGCAATGGACGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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ococcaceae(0.1872),g:Intestinimonas(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGACGAAAGCCTGACCCAGCAAAGCCGCGTGAAGGAAGAAGGC
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GCAAGTCAGATGTGAAATCTATGGGCTCAACCCATAAACTGCATTTGAAACTGTATTTCTTGAGTACTGGAGAGGCAA
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>OTU8217;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Clostri
diaceae_1(0.3884),g:Clostridium_sensu_stricto(0.1735);

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GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTA
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ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAGCGCCGCGTGAGCGATGAAGGC
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diaceae_1(0.4563),g:Clostridium_sensu_stricto(0.2607);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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>OTU8222;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Rumin
ococcaceae(0.2524),g:Papillibacter(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
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diaceae_1(0.7787),g:Clostridium_sensu_stricto(0.5239);

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>OTU8224;tax=d:Bacteria(0.0041),p:"Bacteroidetes"(0.0000),c:Sphingobacteriia(0.0000),o:"Sphingobacteri
ales"(0.0000),f:Chitinophagaceae(0.0000),g:Sediminibacterium(0.0000);

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cillaceae(0.6709),g:Lactobacillus(0.3479);

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>OTU8226;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Bacilli(0.9827),o:Lactobacillales(0.7995),f:Lactoba
cillaceae(0.5632),g:Lactobacillus(0.1735);

ACGGAAGGCAGCAGTAGGGGATCTTCCACAAAGGGCGCAAGCCTGACGGAGCAACACCGCGTGAGTGAAGAAGGG
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ales"(0.1015),f:Sphingobacteriaceae(0.0355),g:Olivibacter(0.0076);

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diaceae_1(0.6709),g:Clostridium_sensu_stricto(0.3915);
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9),f:Veillonellaceae(0.0457),g:Selenomonas(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGAAGAAGGT
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ionales(0.9497),f:Desulfovibrionaceae(0.8864),g:Desulfovibrio(0.7162);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGATGAAGGT
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>OTU8233;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9704),c:Spirochaetia(0.9321),o:Spirochaetales(0.841
2),f:Spirochaetaceae(0.6709),g:Treponema(0.3479);
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ococcaceae(0.1872),g:Clostridium_IV(0.0204);
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ospiraceae(0.7068),g:Clostridium_XlVa(0.5720);
ACGGGAGGCAGCAGTGGGGAATATTACACAATGGGCAAAAGCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGCGGCCCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTCCCAGGCGAATAAGCACCGGCAAACTCCGGGCCAGCACCCGCGGTAATACGGGGGTTGCGAGCGTTACCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCTGTGCGTCAAGTCGGGTGTGAAATTCCGGTGCTCAACACCGGGGCTGCCCCTGAAACTGTCGCGCTGGAGTGCGGATGCCGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACGCAGAACACCGATTGCGAAGGCATCTGGCGAATCCGTAACTGACGCTAAGGCACGAAAGCGTGGGTATAGAACAGGATTAGATACCCTGGTA
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diaceae_1(0.4224),g:Clostridium_sensu_stricto(0.1299);
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diaceae_3(0.0355),g:Caloranaerobacter(0.0087);

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639),f:"Porphyromonadaceae"(0.1098),g:Parabacteroides(0.0204);
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639),f:"Prevotellaceae"(0.1291),g:Prevotella(0.0230);
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streptococcaceae(0.3884),g:Clostridium_XI(0.1735);

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diaceae_1(0.1485),g:Clostridium_sensu_stricto(0.0326);
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ales"(0.0547),f:Sphingobacteriaceae(0.0149),g:Sphingobacterium(0.0056);

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cillaceae(0.1485),g:Lactobacillus(0.0326);

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GCGTGCGCAGGCGGTTGGGTAAGACAGATGTGAAATCCCCGGGCTTAACCTGGGAACTGCATTTGTGACTGCTCGAC
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>OTU8262;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachnospiraceae(0.3204),g:Coprococcus(0.0615);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTA
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AGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCTGTCTGGTA
AGCGTGTTGTGAAATGTAGGCGCTCAACGTCTGAATTGCAGCGCGAACTACCGGACTTGAGTGCGCAGGAAGTAGG
CGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGGCTCT
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ACGGGAGGCAGCAGTAGGGAATTTTCGGCAATGGGCGAAAGCCTGACCGAGCAATGCCGCGTGAATGAAGAAATTC
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AAAGCCCCGGCTAACTATGTGCCAGCAGCCGCGGTAATACATAGGGGGCGAGCGTTATCCGGATTTACTGGGTGAA
AAGGGCGCGTAGGCGGGGATGCAAGTCAGATGTGAAATCTATGGGCTTAACCCATAAACTGCATTTGAAACTGTATC
TCTTGAGTGTCGGAGAGGTAGACGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGAGG
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>OTU8266;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Bacilli(0.2321),o:Lactobacillales(0.1015),f:Lactobacillaceae(0.0355),g:Lactobacillus(0.0087);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAACGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGTGAAGAAGGG
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AAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGTTGGCAAGCGTTGTCCGGAATCACTGGGTGTAA
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>OTU8267;tax=d:Bacteria(1.0000),p:Firmicutes(0.2586),c:Clostridia(0.1159),o:Clostridiales(0.0547),f:Clostri
diaceae_1(0.0113),g:Clostridium_sensu_stricto(0.0056);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGACTGAACCAGCCAAGTAGCGTGAGGAACGACTGC
CCTATGGGTTGTAAACCTCTTTTGATTGGGAACAAAGAGCGCCACGTGTGGTGCGTTGCGTGTACCTTTCGAATAAGC
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GCGTAGGCGGATTCTTAAGTGGGACGTGAAATGCCCGGGCTTAACCTGGGTGCTGCATTCCAAACTGGGAATCTAGA
GTGCATGAGGTGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAG
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>OTU8268;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Bacilli(0.9604),o:Lactobacillales(0.7995),f:Lactoba
cillaceae(0.5632),g:Lactobacillus(0.3479);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
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GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATGACTGGGCGT
AAAGGGTGGGTAGGCGGGCTGACAAGTCAGATGTGAAATGTTCGGGCTTAACCTGAGAACTGCATTTGAAACTGCC
AGTCTTGAGTGTCGGAGGGGTAATCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGT
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GTA
>OTU8269;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9903),o:Lactobacillales(0.9172),f:Lactoba
cillaceae(0.8146),g:Lactobacillus(0.6681);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGCCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTT
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AAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGCAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAA
AGCGAGCGCAGGCGGAAAAGTAAGTCTAATGTGAAATCCCTCGGCTTAACCGGGGTACTGCATCGGAAGCTGTTTTT
CTTGAGTGCAGAAGAGGAGAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAGTGGC
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>OTU8272;tax=d:Archaea(0.0024),p:"Crenarchaeota"(0.0000),c:Thermoprotei(0.0000),o:Sulfolobales(0.00
00),f:Sulfolobaceae(0.0000),g:Sulfurisphaera(0.0000);

ATAAGCCGCTTGCAGACCCATCATGTCAATAGATGTGGTAGAAGTCGTCATTTGGCGAGCAAGCTCAGTCTCAGGCG
GACGCGGCGCAGTCCACATGTTTTTGAGATGGCAGCAACGGAAACCATAACGAGCATCATCTTGATTAAGCTCATTA
GGGTTAGCCTCGGTACGCTCAGGCATCCACGGCGCTTTAAAATAGTTGTTATAGATATTCAAATAACCCTGAAACAAA
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>OTU8271;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8808),c:"Bacteroidia"(0.2902),o:"Bacteroidales"(0.1
249),f:"Porphyromonadaceae"(0.0457),g:Barnesiella(0.0110);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTCGCGTGAAGGAAGACGGA
TCTATGGTTTGTAAACTTCTTTAGTGTGGGAACAAAGCGTGGTTGCGACCGCAGATGAGTGTACCACAAGAATAAGC
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGT
GCGTAGGCGGTATGGTAAGTCAGTGGTGAAATGTCTCCGCTCAACGGTGAAAGTGCCATTGATACTGTCGTACTTGA
ATGCGGTCGAGGCCGGCGGAATGTGGCGTGTAGCGGTGAAATGCATAGATATGCCACAGAACACCGATAGCGAAG
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>OTU8270;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6036),c:Sphingobacteriia(0.0626),o:"Sphingobacteri
ales"(0.0413),f:Sphingobacteriaceae(0.0099),g:Parapedobacter(0.0046);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAAAGTCTGGACCAGCCATGCCGCGTGAAGGAATAAGGC
CCTATGGGTCGTGAACTTCTTTTGTATGTGAGCAATAAGGTCCACGTGTGGACCGATGAGAGTAGCATACGAATAAG
CAGCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCAAGCGTTATCCGGATTCATTGGGTTTAAAGGG
TGCGTAGGCGGCTGGGTAAGTCAGAGGTGAAATTCCAGTTCTCAACATTGGCCGTGCCGTTGATACTGCTGCGCTTG
AATGCGGATGCCGTGGGAGGAATGTGTGGTGTAGCGGTGTAATGCATAGACATCACACAGAACACCTATTTCGAGTT
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>OTU8274;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Bacilli(0.9820),o:Lactobacillales(0.8412),f:Lactoba
cillaceae(0.5632),g:Lactobacillus(0.2607);
ACGGGAGGCAGCAGGAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
GTTCGGATCGTAAAGCACTGTTGTTGGTAAAGAAGGATAGAGGTAGTAACTGGCCTATATTTGACGGTAATCAAACA
GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATAAGTAGGGGGCAAGCGGTGTCCGGATTTATTGGGCGT
AAAGCGAGTGCAGGCGGTTCAATAAGTCTTATGTGAAAGCCTTCTGCTCAACCGGCGGTTTGCCTCAGAAACTGTTG
AACTTGATTGCAGACGAGGAGAGTTGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTG
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>OTU8275;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Clostri
diaceae_1(0.4563),g:Clostridium_sensu_stricto(0.2607);

AAGGGAGGAAGAAGGGGGGAAGAGGGAAAAAAGGGGGAAAAGAGGAGGGAGAAAAGGAGGGTGAGGGATGAC
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GCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTT
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AAGGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCGGTGGCGAAGGCGCTTCTCTGGACT
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>OTU8273;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9990),c:Epsilonproteobacteria(0.9834),o:Campylob
acterales(0.8737),f:Helicobacteraceae(0.5991),g:Helicobacter(0.3043);
ACGGGAGGCAGCAGTAGGGAATATTGCTCAATGGGGGAAACCCTGAAGCAGCAACGCCGCGTGGAGGATGACGGT
TTTCGGATTGTAAACTCCCTTTGTGAGAGAAGATAATGACGGTATCTCACGAATAATCACCGGCCAACATCGTGCCAG
CAGCCGTGGTAATACGGAGGGTGCAAGCGTTATTCGGAATCACTGGGCGTAAAGAGTGCGCAGGCGGATTAATAAG
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>OTU8276;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.2586),c:"Bacteroidia"(0.1159),o:"Bacteroidales"(0.0
547),f:"Porphyromonadaceae"(0.0149),g:Barnesiella(0.0066);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGT
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>OTU8278;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Pepto
streptococcaceae(0.2864),g:Clostridium_XI(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGC
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GCAGCCGCGGTAATACGTAGGGGGCTAGCCTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGTGGTCTCTTAG
GTCAGGAGTGAAAGGCTACGGCTTAACCGGAGTAAGCTATTGAAAACTGTAGACGTGAGTGCAGGAGAGGAAAGG
GGAAATTCTAGGGTAGCGGGGGAATGCGTAGATATTAGGAGGAACACCAGTAGCGAAGGTGGCTTTCTTGACTGTA
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>OTU8277;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Clostri
diaceae_1(0.0904),g:Clostridium_sensu_stricto(0.0181);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATTTTCTCCCGCCTGCTGCCTCGACGCCGCGTGAAAGAAGAAGTATT
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CAGCAGCGGTACTACGTATGGAGACAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGATTTTTAAGT
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GAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGCTTCTCTGGACTGTAA
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>OTU8279;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Bacilli(0.9180),o:Lactobacillales(0.7623),f:Lactobacillaceae(0.4914),g:Lactobacillus(0.0904);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATAGAGCAACACGGCGTGAGTGAAGAAGGG
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AAAGTTACTGCTAACTACTTGTCAGCAGCCGCGGGGATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTGA
AGCGAGCGCAGGCGGTTTGATAAGTCTGATGTGAAAGCCTTTGTCGTAAACAAAGAAGAGCATCGGAAACTGTCAG
ACTTGAGTGCAGAAGAGGATAGTGGAACTACAAGTGTAGCGGTTGCATGCGTAGATATATGGAAGAACACCAGTGG
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>OTU8282;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.6881),f:Bacteroidaceae(0.3204),g:Bacteroides(0.0904);

ACGGGAGGCAGCAGTGAGGAATACTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGATGACTGT
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CATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGTGGACTGGTAAGTTAGTTGTGAAAGTTTGCGGCTCAACCGTGAGATTGCAGTTGTTACTGTCAGTCTTGT
GTACAGTAGAGGTGGGCGTAGTTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGAGTGCGAAGT
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>OTU8281;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Ruminococcaceae(0.2184),g:Clostridium_IV(0.0181);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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GCGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGA
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>OTU8280;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9168),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5023),f:Bacteroidaceae(0.3204),g:Bacteroides(0.0904);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGGGAAGACGGT
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AAGTCAGTTGTGAAAGTTTGCGGCTGAACCGTAAAATTGCAGTTGATACTGGCAGTCTTGAGTGCAGTAGAGGTGGG
CGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGAGTGTA
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>OTU8283;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9887),o:Clostridiales(0.9938),f:Clostridiaceae_1(0.6709),g:Clostridium_sensu_stricto(0.4351);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGGC
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AAGCCGCGGCAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAAG
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GAATGCCTAGTGTAGCGGTGAGATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTAA
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>OTU8285;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.8448),c:Fusobacteriia(0.6346),o:"Fusobacteriales"(0.3639),f:"Fusobacteriaceae"(0.1872),g:Fusobacterium(0.0230);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGG
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>OTU8287;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Bacilli(0.9719),o:Lactobacillales(0.8629),f:Lactobacillaceae(0.7068),g:Lactobacillus(0.4787);

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>OTU8286;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9762),o:"Enterobacteriales"(0.8520),f:Enterobacteriaceae(0.7068),g:Escherichia/Shigella(0.3479);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
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GTA

>OTU8284;tax=d:Bacteria(1.0000),p:Firmicutes(0.3448),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Rumin
ococcaceae(0.0149),g:Oscillibacter(0.0056);

ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGAGGAAACTCTGACGGAGCGACGCCGCGTGGATGATGAAGGT
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GGTA

>OTU8288;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Clostri
diaceae_1(0.1485),g:Clostridium_sensu_stricto(0.0230);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAAAAGGGATGCAGCAAGGCCGGGTGAGTGATGACGG
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>OTU8290;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Clostri
diaceae_1(0.2184),g:Clostridium_sensu_stricto(0.0615);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
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GCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGAGTGCA
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AATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCGGCTCTCTGGACTGTAACT
AACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8289;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Bacilli(0.9851),o:Lactobacillales(0.9707),f:Enterococcaceae(0.9108),g:Enterococcus(0.8605);
CCTTTCTTCCTCCTTCTGGAATCTTCGGCACTGGACGCAAGTCTGACCGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAACTCTGTTGTTAGAGAAGAACAAGGATGAGAGTGGAAAGTTCATCCCTTGACGGTATCTAACCAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCTGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTCTTTTAAGTCTGATGTGAAAGCCCCCGGCTTAACCGGGGAGGGTCATTGGAAACTGGGAGACTTGAGTGCAGAAGAGGAAAGCGGAATTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGTCTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU8291;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Ruminococcaceae(0.0560),g:Acetanaerobacterium(0.0110);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGGGAAGACGGTCCTCTGGATTGTAAACCTCTGTCTTCGGGGACGAAAGAAGACGGTACCCGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGACGGAATGGCAAGTCTGATGTGAAAGGCCGGGGCTCAACCCTGGGACTGCTTTGGAAACTGTATGGCTAGAGTGCTGGAGAGGTAAGTGGAATGCCTAGTGTAGCGGTGAAATGCATAGATATGACGCAGAACTCCGATTGCGAAGGCAGCTTTCCAGCGCGCTACTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU8292;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9755),o:Clostridiales(0.9389),f:Clostridiaceae_1(0.6350),g:Clostridium_sensu_stricto(0.3915);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGTTGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCGTGGACGATAATGACGGTCCCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAATGGAGCGTAGGCGGACTTTTAAGTTAGATGTGAAATACCCGGGCTCAACTTGAGTGCTGCATTTCAAACAGGAAGTCTAGAGTGCAGGAGAGGAGAAGGGAATACCTAGTGTAGCGGTGAAATGCGTAGAGATGAGGAAGAACACCAGTGGCGAAGGAGGTTCGCTGGACTGTAACTGACGCTGAGGCTCGAAAGAGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU8294;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8520),f:"Porphyromonadaceae"(0.6709),g:Butyricimonas(0.3479);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAATGGCCTATGGCCTGTAAACCTATTTTGTCAAGGAAGAATAAAAGGTACGCGTACCTTCTTGCCAGTACTTGACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGCGCGTAGGCGGGACGCCAAGTCGGCGGTAAAAGACTGGAGCTAAACTGGAGCAGGCAGTTGAAACGGGAGACCTGGAGACGAGACGAGGGAGGCGGAAGAAGTGAGGAAGGGGTGAAATGGTTGGATTTAACTGGGACCCCCGATAGCGAAGGCAGCTTCCAGGCTCGATCTGACGCTGATGCGCGAGAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU8293;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachnospiraceae(0.3884),g:Clostridium_XlVa(0.1299);
ACGGGAGGCAGCAGTGGGGGATATTGGACAATGGGGGGAACCCTGATCCAGCGACGCCGCGTGAGTGAAGAAGTATCTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAGGAATGACGGTACCTGAGTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGTAGACGGTGATGTAAGTCTGGAGTGAAAGGCGGGGGCCCAACCCCCGGACTGCTCTGGAAACTATGTGACTGGAGTGCAGGAGAGGTGAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTCACTGGACTGTAACTGACGTTGAGGCTCGAGAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU8298;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Clostridiaceae_1(0.4914),g:Clostridium_sensu_stricto(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGTTTTCGGATCGTAAAGTTCTGTCTTTGGGGAAGATAATGACGGTACCCAAAGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCCGGAATACGTAGGTGGCAAGCGGTATCCGGATTTACTGGGCGGAAAGGGAGCGTAGGCGGACGATTAAGTGGGATGTGAAATCCCCGGGCTCAACTTGTGTGCTGCATTTCAAACTGAAAGTCTTGAGTGCAGGAGAGGAGAGGGGAACTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGCTTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU8295;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Negativicutes(0.3483),o:Selenomonadales(0.1483),f:Veillonellaceae(0.0560),g:Anaerovibrio(0.0134);
ACTGGAGGCAGCAGTTAGGAATCTTTTTCCCTTTCTTCCACTCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTTTTCGGATTGTAAACTTCTGTTCTATGGGAAGAAGAAAGTGACGGTACCATAGAAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGAATAACTGGGCGGAAAGGGAGCGTAGGTGGTAATTTAAGTTAAATGTGAAAGCCCGGGGCTCAACTCCGGAATTGCATTTAATACTGGGTTACTAGAGTGCAGGAGGGGTAAGCGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGAGGCGAAGGCGGCTTACTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU8296;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Peptostreptococcaceae(0.2864),g:Clostridium_XI(0.0808);
GTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGAATCACTGGGCGTAAAGGGTGCGTAGGCGGCCAAACAAGCCAGAGGTGAAAGGCTACGGCTTAACCGTAGTAAGCCTTTGGAACTGTATGGCTTGAGTGCAGGAGAGGAGAGTGGAATTCCTGGTGTAGCGGTGAAATGCGTAGAGATCAGGAAGAACATCGATGGCGAAGGCAGCTCTCTGGCCTGAAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTAGTCCACGCCGTAAACGATGGATACTAGGTGTAGGGGGTTCGATTCCCTCTGTGCCGGAGTTAACGCAATAAGTATCCCGCCTGGGGAGTACGGTCGCAAGATTGAAACTCAAATGAATTGACGGGG

>OTU8297;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9992),c:Alphaproteobacteria(0.9827),o:Rhizobiales(0.9606),f:Rhizobiaceae(0.6709),g:Rhizobium(0.5239);

GTGTCAGCCGCCGCGGTAATACGAAGGGGGCTAGCGTTGTTCGGAATTACTGGGCGTAAAGCGCACGTAGGCGGATATTTAAGTCAGGGGTGAAATCCCGCAGCTCAACTGCGGAACTGCCTTTGATACTGGGTATCTTGAGTATGGAAGAGGTAAGTGGAATTGCGAGTGTAGAGGTGAAATTCGTAGATATTCGCAGGAACACCAGTGGCGAAGGCGGCTTACTGGTCCATTACTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTAGTCCACGCCGTAAACGATGAATGTTAGCCGTTGGCAAGCTTGCTTGTCGGTGGCGCAGCTAACGCATTAAACATTCCGCCTGGGGAGTACGGTCGCAAGATTAAAACTCAAAGGAATTGGCGGGG

>OTU8299;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Clostridiaceae_1(0.3884),g:Clostridium_sensu_stricto(0.0904);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTTTTAAGTGAGATGTGAAAGACCAAGGCTCAACTTTGGAACTGCAATTCATACTGGATAGCTAGAGTGCAGGAGGGGTATGTGGAACTCCTAGTGCAGCGGTGGAATGCGTAGATATTAGGAAGAACACCAGAGGCGAAGGCGACATACTGGACTGTAACTGACACTGAGACTCGAAAGCTTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU8301;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8267),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3319),f:"Prevotellaceae"(0.1679),g:Prevotella(0.0423);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTAAAGCAAGTCAGAAGTGAAAGCCCGCGGCTGAACTGCGGGACTGCTTTGGAAACTGTTTAACTGGAGTGTCGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTACTGGGCCGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU8304;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.9038),o:Clostridiales(0.7623),f:Peptostreptococcaceae(0.1679),g:Clostridium_XI(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAACGTCTGATGCAGCAATGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTTAAGCCCCGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCCAGCTACGTGCCACCAGCCGCGGCAATACGCCGGGGGCCACCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCCGTGGTGAAAGGCTACGGCTCAACCGTAATAAGCCTTTGGAACTGGGAAACTTGAGTGCAGGAGAGGAGAGTGGAATTGCTAGTGTAGCGGTGAAATGCATAGATATTAGGAGGAACACCAGTTGCGAAGGCAGCTCTCTGGGCTGTAACTGACACTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU8300;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9348),c:"Bacteroidia"(0.4428),o:"Bacteroidales"(0.2039),f:"Porphyromonadaceae"(0.0904),g:Barnesiella(0.0157);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGTCCTATGGATTGTAAACTGCTTTTTTCGGGGAATAATAAGACTTTTGCGAAGGTTGATGCAGGTACCCGAAGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATTCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGTTGCTTGTTAAGTCAGCGGTGAAAGTCAGCGGCTCAACCATTGAATTGCCGTTGAAACTGGCGAGCTTGAGTACGTACGGGGCAGGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACCCCGATCGCGAAGGCATCTCACAAATCCGCTATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU8303;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.5174),c:Alphaproteobacteria(0.2902),o:Rhodobacterales(0.1249),f:Rhodobacteraceae(0.0457),g:Nesiotobacter(0.0110);

GTGCCAGCCGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGAATCATTGGGCGTAAAGGGCGCGTAGGCGGTTTGTTAAGTCAAATGTGAAATACACTGGCTCAACCAGTGGGCTGCGTTTGAAACTGGCAAACTTGAGTACAGGAGAGGAGAGTGGAATTCCTGGTGTAGCGGTGAAATGCGTAGAGATCAGGAAGAACATCGATGGCGAAGGCAGCTCTCTGGCCTGAAACTGACGCTGAGGCGTGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTAGTCCACGCCGTAAACGATGGAAGCTAGTTGTCAGGCAGCATGCTGTTTGGTGACGCAGTTAACGCATTAAGCTTCCCGCCTGGGGAGTACGGTCGCAAGATTAAAACTCAAATGAATTGACGGGG

>OTU8302;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Ruminococcaceae(0.1291),g:Clostridium_IV(0.0181);

ACGGAAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGAACGAAGAAGGCCGGAAGGTTGTAAAGTTCTTTTGAAACTGAAGAATAAGTATTGCAGGGAATGGCGATATGGTGACGGTAGGTTTTGAATAAGCAACGGCTAATTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGAGTGCAAGTTGAATGTTTAATCTATGGGCTCAACCCATATCAGCGTTCAAAACTGCATTTCTTGAGTGAAGTAGAGGTTGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGTCAACTGGACGATAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8307;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9605),c:Spirochaetia(0.8897),o:Spirochaetales(0.7623),f:Spirochaetaceae(0.5632),g:Treponema(0.2171);

ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGAACGAAGAAGGCCGGAAGGTTGTAAAGTTCTCTTGAAACTGAAGAATAAGTATTGCAGGGAATGGCGATATGGTGACGGTAGGTTTTGAATAAGCAACGGCTAATTACGTGCCAGCAGCCGCGGTACCACGTAAGTTGCGAGCGTTGTTCGGAATTATTGGGCGTAAAGGGCATGTAGGCGGTTTTGCAAGCGTGGTGTGAAATGCATAGGCTTAACCGATGAACGGCATTGAGAACTACAAGAGTTGAGTCACTGAGGCGGAACTGGAATTCCAGATGTAGGGGTGAAATCTGCAGATATCTGGAAGAACACCAATG

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>OTU8305;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Bacilli(0.8897),o:Lactobacillales(0.7252),f:Enteroc
occaceae(0.4224),g:Enterococcus(0.1735);
ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGACGCAAGTCTGACCGAGCAACGCCGCGTGAGTGAAGAAGGT
TTTCGGATCGTAAAACTCTGTTGTTAGAGAAGAACAAGGATGAGAGTGGAAAGTTCATCCCTTGACGGTATCTAACC
AGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGTGT
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ATCTTGAGTGTCGGAGGGGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTG
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>OTU8308;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:Sphingobacteriia(0.3483),o:"Sphingobacteri
ales"(0.1483),f:Sphingobacteriaceae(0.0560),g:Solitalea(0.0134);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAGGCCTGAACCAGCCATGCCGCGTGCAGGAATAAGGC
CCTATGGGTCGTAAACTGCTTTTGTACGGGAGCAATAAGTGTTACGAGTAACACGATGAGAGTACCGTACGAATAAG
CATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCAAGCGTTATCCGGATTTATTGGGTTTAAAGGG
TGCGTAGGCTGTGCGTCAAGTCAGAGGTGAAATACCCGGGCTTAACCTGGGAACTGCCTTTGATACTGTCGCGCTGG
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>OTU8306;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Clostri
diales_Incertae_Sedis_XII(0.0149),g:Acidaminobacter(0.0066);
AAGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
TTTCGGATTGTAAACCTCTGTCGCAGAAGACGAAGGAAGTGACGGAATTCTGTGAGGAAGCCCCGGCTAACTACGTG
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>OTU8312;tax=d:Bacteria(0.0041),p:"Proteobacteria"(0.0000),c:Gammaproteobacteria(0.0000),o:Pseudom
onadales(0.0000),f:Pseudomonadaceae(0.0000),g:Pseudomonas(0.0000);
AGGTGAAACTAAAGGTTCTTACTTAAACATTACTGCTGGTACAATGGAAGAAGTGTACAAACGTGCTGAGTACGCTA
AAGCTGTTGGTTCTGTAATTGTTATGATCGATTTAGTAATGGGTTATACAGCAATTCAAAGTGCAGCTATTTGGTCTCG
TGACAATGACATGTTATTACATTTACACCGTGCTGGTAACTCTACATATGCACGTCAAAAAAATCATGGTATTAACTTC
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>OTU8309;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8755),o:"Bacteroidales"(0.7252),f:"Prevotellaceae"(0.4224),g:Prevotella(0.0423);

AAGGGAGGAAGAAGGGAGGAATATTGGTCAATGGACGTAAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTAGTGCGGGAATAAAGTCAGGGACGTGTCCCTGATTGCAGGTACCGCAAGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCTGTTTATTAAGCGTGTTGTGAAAAACCCGTGCTCAACATGGGTCGTGCAGCGCGAACTGTTTTTCTTGGGTACGCAGTAGGTAGGCGGAATTCGTTGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCCAGGCCGTTACTGACGCTGAAGCTCGAAGGTGCGGGTATCGAACAGGATTAGATACCATGGTA

>OTU8310;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Bacilli(0.7881),o:Lactobacillales(0.5023),f:Lactobacillaceae(0.3204),g:Lactobacillus(0.0904);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGGTAGTGAAGAAAGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATTACTTAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGTCTGCAAGTCAGATGTGAAATCCATGGGCTTAACCCATGAACTGCATTTGAAACTGTGGATCTTGAGTGCTGGAGGGGCAATCGGAATTACCAGTGTAGCGGTGAAATGCGTAGATATTGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACATTAACTGACGCTGAGGAGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8314;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8897),o:"Bacteroidales"(0.7623),f:"Prevotellaceae"(0.3544),g:Prevotella(0.0904);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGGATAATGTTGGCTACGTGTAGCCATTTGCAGGTACCGCATGAATAAGGACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCGGGTGCTTAAGCGAGATGTGAAATGTTGGCGCTCAACCGTTGAACTGCGGCGGATACTGGGTGTCTTGAGTGAAGTCGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCCGCAAGGCCTTTACTGACGCTAATGCTCGAAGGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU8311;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Peptococcaceae_2(0.0560),g:Desulfotomaculum(0.0134);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTATCCTCGAGGACGAAGGAAGTGACGGTACTTGAGGAGGAAGTCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGTGTAGGCGGCCGATTAAGTCTGGAGTGAAAGTCCTGCTTTCAAGGTGGGGATTGCTTTGGAGACTGGTTGGCTTGGAGGCGGAAGAGGTAAGTGGAATTACCAGTGTAGCGGTGAAATGCGTAGAGGTTGGGAGGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8313;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8520),f:"Prevotellaceae"(0.5273),g:Prevotella(0.1299);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCATTTATGCGGGGATAAAGTGAGGGATGCATCCCTTTTTGCAGGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATGCGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCTGGAGATTAAGCGTGTTGTGAAATGCGGCGGGTCAACCGTGGCACTGCAGGGCGAACTGGTTTCCTTGAGTGCGCTGAAGGTGAGCGGAATTTGTGGTGTAGCGGTGAAATGCGTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGTATCGCGACTGACGCTGAAGCTCGAAAGTGCGGGTATCGTACAGGATTAGATACCCTGGTA
>OTU8316;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Lachnospiraceae(0.4914),g:Dorea(0.1735);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTTAAGTATGAAGTATTTCGGTATGTAAACTTCTATCAGCATGGAATAAGATGACGGTACCTGACTAAGACGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTCCTGGGTGTAAAGGGATCGTAGACGGCTTTGCAAGCCAGATGTGAAAGCCCGGGGCTAAACCACGGGAGTGCATTTGGAACTGTAATGCTAGAGTGTCGGAGAGGCAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGATGGACGATGACTGAAGTTGAGGCTCGAAAGCGTGGGGAGAAAACAGGATTAGATACCCTGGTA
>OTU8315;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Ruminococcaceae(0.6350),g:Ruminococcus(0.4351);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGTCTTCGGATTGTAAAGTTCTTTTATTAAGGACGAAGAAGTGACGGTACTTAATGAATAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGATGGCAAGTCAGATGTGAAATCCATGGGCTCAACCCATGAACTGCATTTGAAACTGTCGTTCTTGAGTATCGGAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTAACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU8317;tax=d:Bacteria(0.0024),p:"Proteobacteria"(0.0000),c:Alphaproteobacteria(0.0000),o:Sphingomonadales(0.0000),f:Erythrobacteraceae(0.0000),g:Altererythrobacter(0.0000);
CAGGCACACAAAAATACTGATAGCCGTCGGCGTGTGCATCCTTCGCCTTGCGACCCTCGGCAGCAAGAACCATACGACCCATATCACGAACATAGTCACGCAAAGCATTGGGATTATCATAAAACGCCTCTAATCGGTCGTCAGCCAACGTGAGAGTGTCAAAAACGATAAACCAACCATCAGCATGAGCCTGTCGCATTGCATTCATCAAACGCTGAATAGCAAAGCCTCTACGCGATTTCATAGTGGAGGCCTCCAGCAATCTTGAACACTCATCCTTAATACCGTTCTGTTTGGGGTAATTATACGCAGCGCGAATATCCTTAAGAGGGCGTTCAGCAGCCAGATTGCGGCAAAACTGCGTAACCGGCTTCTCGTTCTCTAAAAACCATTGTGCGTCC

>OTU8318;tax=d:Bacteria(0.0058),p:"Actinobacteria"(0.0000),c:Actinobacteria(0.0000),o:Actinomycetales(0.0000),f:Micrococcaceae(0.0000),g:Yaniella(0.0000);
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>OTU8319;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Ruminococcaceae(0.0710),g:Clostridium_III(0.0087);
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>OTU8321;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.5174),c:Alphaproteobacteria(0.2902),o:Rhodospirillales(0.0547),f:Rhodospirillaceae(0.0149),g:Insolitispirillum(0.0066);
ACGGGAGGCAGCAGTGAGGAATATTGGGCAATGGAGGGAACTCTGACCCAGCCATGCCGCGTGAGTGAAGAAGGTTTTCGGATTGTAAAGCTCTTTCGGACGGGAAGATAATGACGGTACCGTCTAAAGTAGCACCGGCTAACTTCGTGCCAGCAGCCGCGGTAATACGAAGGGTGCAAGCGTTGTTCGGAATTACTGGGCGTAAAGGGTGTGTAGGCGGCCATTCAAGATAGCGGTGAAATCCCGGAGCTCAACGTCGGAATTGCCATGATAACTGAGTGGCTAGAGTGACAGAGAGGATATTGGAACACCCAGTGTAGAGGTGAAATTCGTAGATATTGGGTAGAACACCGGAGGCGAAGGCGAGTATCTGGCTGTAAACTGACGCTGAGGCACGAAAGCATGGGGATCAAACAGGATTAGATACCCTGGTA
>OTU8320;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.3448),c:Actinobacteria(0.1740),o:Coriobacteriales(0.0781),f:Coriobacteriaceae(0.0252),g:Slackia(0.0076);
ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGCGGGAAGGAGGCCCTCGGGCCGTAAACCGCTTTCAGCGGGGACGATCGTGACTGTACCCGCAGAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGATTCATTGGGTTTAAAGGGAGCGTAGGCCGCTTGGTAAGCGTGTTGTGGAATGTACCGGCTCAACCGGTGACGTGCAGCGCGAACTGCCTGGCTTGAGTGTGCGGTAGGCAGGCGGAATTCCCTGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTCAACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
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719),f:"Prevotellaceae"(0.0710),g:Prevotella(0.0157);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGATGAAGTA
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ococcaceae(0.3544),g:Ruminococcus(0.0808);

ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGAAACCCTGACGCAGCAACGCCGCGTGAACGAAGAAGGT
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CAAGTCAGATGTGAAATCCGTGGGCTTAACCCACGAACTGCATTTGAAACTGTTTTGCTTGAGTGAAGTAGAGGCAA
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483),f:Bacteroidaceae(0.0355),g:Bacteroides(0.0087);

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>OTU8326;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9988),c:Epsilonproteobacteria(0.9784),o:Campylob
acterales(0.9497),f:Helicobacteraceae(0.9108),g:Helicobacter(0.7162);

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cillaceae(0.8864),g:Lactobacillus(0.6681);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
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CCTTTATTCCTCCTTTTTTACTATTTGGCAATGTGCGAAATCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGGTTTC
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ococcaceae(0.3204),g:Oscillibacter(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGGCCCAGCAACGCCGCGTGAAGGAAGAAGGC
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ospiraceae(0.0457),g:Clostridium_XlVa(0.0110);

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737),f:Bacteroidaceae(0.5273),g:Bacteroides(0.3479);
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ospiraceae(0.8146),g:Lachnospiracea_incertae_sedis(0.6681);
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acteriales"(0.0000),f:Enterobacteriaceae(0.0000),g:Erwinia(0.0000);
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280),f:Bacteroidaceae(0.6350),g:Bacteroides(0.4787);
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cillaceae(0.5273),g:Lactobacillus(0.2171);
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547),f:"Marinilabiaceae"(0.0149),g:Anaerophaga(0.0066);
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ococcaceae(0.2864),g:Clostridium_IV(0.0181);
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onadales(0.0000),f:Alteromonadaceae(0.0000),g:Agarivorans(0.0000);
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821),f:Bacteroidaceae(0.9201),g:Bacteroides(0.9566);
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ospiraceae(0.2524),g:Clostridium_XlVa(0.0615);
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ococcaceae(0.3204),g:Ruminococcus(0.0615);
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ococcaceae(0.6709),g:Ruminococcus(0.3915);
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Thermodesulfobacteriales(0.0000),f:Thermodesulfobacteriaceae(0.0000),g:Caldimicrobium(0.0000);
TGGAGTAACAGAAGTGAGAACCAGCTTATCAGAAAAAAAGTTTGAATTATGGCGAGAAATACCAGTCTGAAACATGC
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ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTAATTCGTTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCCGGAGATTAAGCGTGTTGTGAAATGTAGGTGCTCAACATCTGCACTGCAGCGCGAACTGGTTTCCTTGAGTACGCACAAAGTGGGCGGAATTTGTGGTATAGCGGTGAAATGCTTAGATATCACGAGGAACCCCAATTGCGAAGGCAGCTCGCTGTAGCGTAACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU8374;tax=d:Bacteria(0.8319),p:"Proteobacteria"(0.1508),c:Alphaproteobacteria(0.0324),o:Rickettsiales(0.0231),f:Rickettsiaceae(0.0059),g:Orientia(0.0035);
GTGCCAGCAGCCGCGGTAATACGAAGGATGCTAGCGTTACTCGGAATTACTGGGCGTAAAGAATATGTAGGCTGATTATTAAGTTGATAGTGAAATCCCCGAGCCTAACTCGGGAACTGCTCTCAAAACTGATAGTCTAGAATATGGTAGAGAGTAAGGGAATTCTTGGTGTAGGGGTAAAATCCGTAGATATCAGGAGGAAGACCGGAAGCGAAAGCGCTTACTTGGGCCATTATTGACGCTGAGATATGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTAGTCCACGCTGTAAACGATGAGTGCTAATTCTAGGGACTTGTTCTCTGGGGTAAAGCTAACGCGTTAAGCACTCCGCCTGGGTAGTACGATCGCAAGATTAAAACTCAAATGAATTGGCGGGG
>OTU8373;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:"Bacteroidia"(0.0726),o:"Bacteroidales"(0.0473),f:Prolixibacteraceae(0.0113),g:Prolixibacter(0.0056);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGCGCGGGACGGAGGCCCTATGGGCTGTGAACCTCTTTTGCCTGGGGGCAATATGGGCGTCGCCCACGTTCGATGAGATCACCAGGCGAATAAGCATCGGCTAACTCCGTTCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCTGTGCGTCAAGTCGGGGGTGAAATTCCGGTGCTCAACACCGGGGCTGACCTTGATACTGTCGCGCTGGAGTGCGGATGCCGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACTAAGAACACCGATTGCGAAGGCATCTGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA

>OTU8375;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Ruminococcaceae(0.2864),g:Intestinimonas(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTCTTCGGATTGTAAACTTCTTTTATGAGGGACGCAGTACTTTACGGTACCTCATGAATAAGCCACGGCTTACTACTTGCCAGCAGCCGCGTCAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGGATGCAAGTCAGATGTGAAATCTATGGGCTTAACCCATAAACTGCATTTGAAACTGTATCTCTTGAGTGCTGGAGAGGTAGGCGGAATTCCTTGTGTAGCGGTGAAATGCGTAGATATAAGGAAGAACACCAGTGGCGAAGGCAGTATACTGAGCAGTAACTGACGCTGAGGCGCGAGAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU8377;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9441),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3319),f:"Porphyromonadaceae"(0.1098),g:Barnesiella(0.0157);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGAAGTCTGAACCAGCCAAGTCGCGTGAGGGAAGGCGGTCCTATGGATTGTAAACCTCTTTTGTCGGGGAGCAACGGCCGGAACGTGTTCCGGTGTGCGCGTACCCGTCGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGCGGTTCAAGTCAGCGGTCAAACTTCGGAGCTCAACTCCGTACCGCCGTTGAAACTGGCAGGCTGGAGTGCGTGCGATGGTGGCGGAATGCGCGGTGTAGCGGTGAAATGCATAGATATCGCGCAGAACTCCGATTGCGAAGGCAGCTGCCAAGCACGCTACTGACGCTCATGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU8376;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.8087),c:Gammaproteobacteria(0.4428),o:Chromatiales(0.1249),f:Ectothiorhodospiraceae(0.0457),g:Ectothiorhodosinus(0.0110);
GTGCCAGCAGCCGCGGTAATACAGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGTGCGTAGACGGTTGTCTAAGTCGGATGTGAAATCCCCGGGCTCAACCTGGGAATGGCATTCGAGACTGAACAGCTAGGGTGCGGAAGAGGGAAGCGGAATTTCCGGTGTAGCGGTGAAATACGTAGATATCGGAAGGAACATCAGTGGCGAAGGCGGCTTCCTGGTCCAGCACCGACGTTCAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTAGTCCACGCCTTAAACGATGAGGACTAGACGTTGGAAGGGTTAGCCTTTCAGTGTCGCAGCTAACGCGATAAGTCCTCCGCCTGGGGAGTACGGCCGCAAGGTTGAAACCCAAAGGAATTGGCGGGG
>OTU8378;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9711),o:Clostridiales(0.8629),f:Peptostreptococcaceae(0.3204),g:Clostridium_XI(0.0904);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGGGCGTAGGTGGTTTCTTAAGTCAGAGGTGAAAGGCTACGGCTCAACCGGAGTAAGCCTTTGAAACTGGGAAGCTTGAGTGCAGGAGAGGAGAGAGGAATTCCTAGTGGAGGGGTGAAATGCGGAGGAATTAGGAGGAACACCAGTTGCGAAGGCGGCTCTCTGGACTGTAACTGACACCTAGGCATGAAAGCGGGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8379;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Lachnospiraceae(0.3544),g:Clostridium_XlVa(0.1299);
ACGGAAGGCAGCAGTGGGGAATATTGGACAATGGGCGCAAGCCTGATCCAGCGACGCCGCGTGAGCGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAACGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCAGTACAAGTCAGGAGTGAAAGCCCGTGGCTTAACCACGGAACTGCTTTTGAAGCTGTGCAGCTAGAGTGCAGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTACTGGACTGTAACAGACGTTGAGGCTCAAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU8380;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Eubacteriaceae(0.2524),g:Eubacterium(0.0712);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGCAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTCTCTCGGTATGTAAACTTCGATCATCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGCAAGTCTGATGTGAAAATCCGGGGCGCAACCCCTGCACTGCATTGGACACTGTACGGCTCGAGTGTCGGAGAGGTAAGTGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATAGGGAGGAACACCAGTGGCGAAGGCGGCCCTCTGGACAGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU8381;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:Flavobacteriia(0.9928),o:"Flavobacteriales"(0.9934),f:Flavobacteriaceae(0.9936),g:Flavobacterium(0.6200);
GTGCCAGCAGCCGCGGTAATACGGAGGATCCAAGCGTTATCCGGAACCATTGGGTTTAAAGGGTCCGTAGGCGGCTTAATAAGTCAGTGGTGAAAGCCCTACGCTTAACGTAGGAACGGCCATTGATACTGTTAGGCTTGAATTATTAGGAAGTAACTAGAATATGTAGTGTAGCGGTGAAATGCTTAGAGATTACATGGAATACCAATTGCGAAGGCAGGTTACTACTAATGGATTGACGCTGATGGACGAAAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTAGTCCACGCCGTAAACGATGGATACTAGCTGTTGGGCGCAAGTTCAGTGGCTAAGCGAAAGTGATAAGTATCCCACCTGGGGAGTACGTTCGCAAGAATGAAACTCAAAGGAACTGGCGGGG
>OTU8384;tax=d:Bacteria(0.0041),p:"Proteobacteria"(0.0000),c:Deltaproteobacteria(0.0000),o:Desulfovibrionales(0.0000),f:Desulfohalobiaceae(0.0000),g:Desulfonatronovibrio(0.0000);
GGTCGGCATCAAAAGCACTATCAGCCCCAACAGAAACAACCTGCTTAGCGGCGTTGCCCGATGTATCCATCTGAATGCAATGAAGCAAACCACCATTACCAGCATTAACCGTCAAACTATCAAAATATAACGTTGACGATGTAGCTTTAGGTGTCTGTAAAACAGGTGCCGAAGAAGCTGGAGTAACAGAAGTGAGAACCAGCTTATCAGAAAAAAAGTTTGAATTATGGCGAGAAATAAAAGTCTGAAACATGATTAAACTCCGAAGCAGAAAACCGACCGCGCTTCGCTTGGTCAACACCTCAGCGGCAGAAATTAAAATGTTTACCGCTTCGGCGTTA
>OTU8383;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:"Bacteroidia"(0.4428),o:"Bacteroidales"(0.2039),f:Bacteroidaceae(0.0904),g:Bacteroides(0.0181);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGATGGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
CCTATGGGTTGTAAACTTCTTTTACAAAGGAATAACGTCGGGCATGCATACCCGTTTGCATGTACTTTATGAATAAGCA
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>OTU8385;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Erysipelotrichia(0.7881),o:Erysipelotrichales(0.50
23),f:Erysipelotrichaceae(0.3204),g:Turicibacter(0.0904);
ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGAATGATGAAGGC
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GTA
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streptococcaceae(0.1291),g:Clostridium_XI(0.0230);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGAAGAAGGTC
TTCGGATTGTAAAGCTCTTTGATCAGGGACGAACACAATGACGGTACCTGAAGAACAAGCCCCGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTT
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>OTU8386;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Pepto
coccaceae_1(0.2864),g:Peptococcus(0.0808);
ACGGGAGGCAGCAGTGGGGAATCTTCCGCAATGGGCGAAAGCCTGACGGAGCAATGCCGCGTGAGTGAAGAAGGC
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>OTU8389;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.7995),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0712);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTACGGGTTGTAAACTGCTTTTGCGCGGGGATAAAGTTCGCCACGAGTGGCGTTTTGCAGGTACCGCGCGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCGGGATGTTAAGCGTGACGTGAAATCCGGGGGCCCAACCTTCGGCGTGCGTCGCGGACTGGCGTCCTTGAGTGCACTGAAAGCGTGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACCCCGATTGCGAAGGCAGCTCGCTGCGGTGTTACTGACGCTGAGGCTCGAAGGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU8388;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Ruminococcaceae(0.3544),g:Ruminococcus(0.1299);

ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGACGGTCTTCGGATTGTAAAGCTCTTTTATTAAGGACGAAGAGGTGACGGTACTTAATGAATAAGCTCCGGTTAACTACGTGCGAGCAGCCGCGGTAATACGTAGGGCGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCATAGCAAGTCAGATGTGAAATCCGTGGGCTTAACCCACGAACTGCATTTGAAACTGTGTTGCTTGAGTGAAGGAGGGGCAAGCGGAATTCCCTGTGTAGCGGGGAAAAGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGACCTGCTGGACTTTAACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU8387;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Lachnospiraceae(0.1485),g:Blautia(0.0326);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTTCCAGCAGCCGCGGTAATACGTAGGCGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCATAACAAGTCTGATGTGAAAGGCTGGGGCTTAACCCCGGGACTGCATTGGGAACTGTTAAGCTTGAGTGACGGAGGGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTACGGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8390;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Clostridiaceae_1(0.0149),g:Oxobacter(0.0066);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCGCAGAAGACGAGGGAGTGACGGGAATCCGGGAGGAAAGCCCGGGCAAACACGGGGCCGCAGCCGCGGGAAAAAGGAGGGGGCGGGCGGTGTCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGTTAATTAAGTTGGATGTGAAATTCCCGGGCTTAACTTGGGAGCTGCATTCAAAACTGGTTAACTAGAGTTCAGGAGAGGGAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAGCACCGGTGGCGAAGGCGGCTTTCTGGACTGACACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8391;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Bacilli(0.4428),o:Lactobacillales(0.2039),f:Lactobacillaceae(0.0904),g:Lactobacillus(0.0181);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGGTGGAGAAGAACGTGAGTGAGAGTAACTGGTCACGCAGTGACGGTATCTAATTAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGTACGGCAAGTCTGATGTGAAAGCCCTGGGCTCAACCCCGGTACTGCATTGGAAACTGTCGAACTAGAGTGTCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8393;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Clostridiaceae_1(0.5273),g:Clostridium_sensu_stricto(0.3479);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGATGAAGGTCTTCGGTACGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGACGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAAGTGTGATGTGAAATACCTGGGCTCAACCTGGGGGCTGCATTTGAAACTGGTAGGCTAGAGTGCAGGAGAGGTGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAACTGACACTGAGGCACGAAAGTGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU8394;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:Flavobacteriia(0.0726),o:"Flavobacteriales"(0.0473),f:Flavobacteriaceae(0.0113),g:Myroides(0.0056);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGTCCTATGGATTGTAAACTGCTTTTTTCGGGGAATAATAAGACTTTTTCGAAGGTTGATGCAGGTACCCGACGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATTCGAGCGTTATCCGGATTTATTGGGTTTAAAGAGTGCGTAGGCGGTTAGATAAGTTTGAGGTTAAATGCTTCTGCTCAACAGGAGTTTGCCTTGAAAACTGTCTGACTAGGATGTAAACGGAGCAGGCGGAAGGAATCATGGAGCGGTGACATGCAGAGATATGATGCAGAAAAACGAGCGCGAAGGCAGCTTGCGAGGATACGATTGACGCTGAAGCACGAAAGCGTGGGGAGCGAACAGGATTAAGATACCCTGGTA

>OTU8392;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Lachnospiraceae(0.1485),g:Lachnospiracea_incertae_sedis(0.0204);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTCAAGCTCTATCAGCAGGGAAGAAGATGACGGTACCTGACTAAGAAGCACCGGCCAAATACGAGCCAGCCGACGCGGTAATACGTATGGTGCAAGCATTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGTGGCAAGGCAAGCCAGAAGTGAGAACCCGGGGCTAAACCGCGGGATTGCTTTTGGAACTGTCATGCTGGAGTGCAGGAGGGGTGAGCGGAATTCCTAGTGGAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGAGGCGAAGGCGGCTCACTGGACTGTAACTGACACTGAGGCTCAAAAGCGTGGGGAGCAAACAGGATTAGATGCCCAGGTA

>OTU8395;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.4652),f:Lachnospiraceae(0.1291),g:Clostridium_XlVa(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAATAAGCCCCGGCTAACTACGTTCCAGCAGCCGCGGTAATACGTAGGGGGCCAGCGTTATCCGGATTTACTGGGCGTAAAGGGCGCGTAGGCGGCATAGAAAGTCAGATGTGAAATCCGTGGGCTTAACCCGCGAACTGCATTTGAAACTGTCTTACTCGAGTGTAGTAGAGGCAGGCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCGTGCTGGGCTATAACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU8396;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Peptococcaceae_1(0.3884),g:Peptococcus(0.1735);
ACGGGAGGCAGCAGTGGGGAATCTTCCGCAATGGGCGAAAGCCCGACGGAGCAATGCCGCGTGAGTGAAGAAGGCCTTCGGGTTGTAAAGCTCTATCCTTGTGCAAGATAGCAGAGTATAGTAACTGATAGTCTGAGGACGGTAAACAAGAAGGAAGCCCCGGCTAACTATGTGCCAGAAGCCGCGGCAAAACATAGGGGGCAAGCGTTGTCCGGAATCACTGGGCGTAAAGGGCGCGTAGGCGGTCTGTTAAGTCTGATGTGAAAAGTAAGGGCTCAACCCTTAACGTGCATCTGATACTGGCAGACTTGAGTGCGGACGAGGCCAGTGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATTAAGAGGAACACCAGTGGCGAAGGCGACTTGCTTGGCCGTAACTGACGCTGGGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU8398;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Ruminococcaceae(0.2524),g:Intestinimonas(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGCAACCCTGACCCAGCGACGCCGCGTGAAGGAAGAAGGCTTTCGGATTGTAAACTTCTTTTATGTGGGACGATAGTGACGGTACCACATGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGCCAGCAAGTCAGGAGTGAAATCTATGGGCTTAACCCATAAATGGCATTTGAAACTGTTGTTCTTGAGTAACGGAGAGGCAAGCGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU8397;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Clostridiaceae_1(0.4224),g:Clostridium_sensu_stricto(0.1735);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCTGGTCGTAAAGCTCTGTCCTCAAGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAAGTGAGATGTGAAATTCCCGGGCTCAACCTGAGTATTGCATTTCAAACTGGATGTCTAGAGTGCAGAGAAGGAGGATGGAAGTCCTAGTGTAGCGGTGAAATGCGTAGAGATCAGGAAGAACACCGGTGGCGAAGGCGATCCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGAGACCCTGGTA

>OTU8399;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9180),o:"Bacteroidales"(0.8303),f:Bacteroidaceae(0.3204),g:Bacteroides(0.0904);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGAAAGTCCGAACCAGCCAAGTAGCGTGAAGGATGACGGCCCTATGGGTTGTAAACTTCTTTTATAGAGGAATAAAGTCGGGTACGTGTCTCTGTTTGCATGTACTTTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGATGTGTAAGTCTGTTGTGAAAGCTTGGGGCTCAACCGTAGAATTGCAGTTGAAACTGTATAGCTTGAGTGCAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGACTGCAACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU8402;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:Sphingobacteriia(0.0726),o:"Sphingobacteriales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Solitalea(0.0056);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCCTATGGTCTTTGAACCGCTTTTTCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACCTGGGGAATAAGCATCGGCTACCTCCGTGCCAGCAGCCGCGGTAATACGGGGGATTCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCTGTGCGTCAAGTCAGGCGTGAAATTCCGGGGCTCAACGCCGGGGCTGCCCTTGATACTGTCGAGCTGGAGTGCGGATGGCGCCGGAGGAATGTGTGGTGTAGCGGTGAAATGCTTAGATATAACTAAGAACACCGATTGCGAAGGCATCTGGCGAATCAGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA

>OTU8403;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Ruminococcaceae(0.1098),g:Ruminococcus(0.0204);

ACGGGAGGCAGCAGTGGGGAATATTGCACCATGAGCGAACGCCTGATGCAGCGACGCCGCGTGAGCGAAGATGTATCTCGGTATGTAAAGCTCTATCAGCAAGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCAGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAGAGGCAAGTCTGATGTGAAAACCCGGGGGGCAAACCCGGTAGTGGATTTGAAACTGTTTATCGGGAGAGACGGAGGGGTAAGTGGAATTCCTAGTGTAGCGGTCAAAGGCGTAGATACTAGGAGGTACACCAGTAGCGAAGGCGGATTACCTGACGCTAACTGACGTTGAGCCTCGAAAGCGTGGGGAGCAGACAGGATTAGATACCCTGGTA

>OTU8400;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Eubacteriaceae(0.1098),g:Eubacterium(0.0204);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGACGGTCTTCGGATTGTAAACTTTTGTTCTTGGTGAAGAAAAATGACGGTAGCCAAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGAAATCAAGTTGGATGTGAAATGTCGGGGCTTAAACCCGGAACTTCAATCAAAACCGATAATTCTGAGTTGAGTAGAGGGTAGCGGAATTCCCGGGGGTGCGGGGAAATGGGTAGGTTTTCGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGGCTTTAACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGACACCCTGGTA

>OTU8401;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Lachnospiraceae(0.2524),g:Clostridium_XlVa(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTTTCTCGGATTGTAAAGTCCTATCAGCGGGGAAGAAAATGACGGTACCTGACTAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGGGCGGCAAGTCTGAAGTGAAAACTCTGGGCTCAACCCAGAGAGTGCATTGGAAACTGTTTATCTGGAGTGCTGGAGAGGTAAGTGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATCAGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCATGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU8404;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.5174),c:"Bacteroidia"(0.0626),o:"Bacteroidales"(0.0413),f:Prolixibacteraceae(0.0099),g:Prolixibacter(0.0046);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGTAGGCCCTATGGGCTGTGAACCGCTTTTTCCTGGGAGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACCAGGCGACTAAGCATCGGCAACCTCCGTGCCAGCGGCCGCGGTAATACGGGGGATGCGGGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCTGTGCGTCAAGTGTGTTGTGAAATTCCGGGGCTCAACACCGGGGCTGCCCTGGATACTGTCGCGCTGGAGTGCGGATGACGCTGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACTCAGAACACCGATTGCGAAGGCATCTGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA
>OTU8405;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Ruminococcaceae(0.1679),g:Clostridium_IV(0.0157);
ACGGAAGGCAGCAGTGGGGAATATTGGACAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTCAAGAGGGAAGAGCAGAAGGCGGTACCTCTAGAATAACCCACGGCTAACTCCGCGCCAGCAGCCGCGGTAATACGTACGGTGCAAGCTTTGTCCGGATTTACTGGGTGTAAAGGGCGTGCAGCCGGGTCTGCAAGTCAGATGTGAAATCCATGGGCTCAACCCAGGAACTGCATTTGAAACTGTAGATCTTGAGTGTCGGAGGGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGATAACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU8406;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Lachnospiraceae(0.1291),g:Roseburia(0.0230);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCAGCGTGAGCGAAGAAGTCTTTCTGGATTTAAAACTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTCATAAGCACCGTCTAAATTCGTGCCAGCAGCCCCGGTAACACGTCGGCGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGTGGCAAGACAAGTCAGTTGTGAAAGGCCGGGGCTCAACCTGGGTACTGCAGTGGAAACTGTGGAACTAGAGTGTGGGAGGAGCAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGACAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8408;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Eubacteriaceae(0.1291),g:Eubacterium(0.0230);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGTTTTCGGGTTGTAAACTTCTGTTTTCGGTGACGAACAAATGGCGGTAACCGAGTAGGAAGCCACGGCTAACTACGGTCCCGCAACCGCGGGAATCCGTAGGTGGCAAGCGGTATCCGGAATTACCGGGTGTAAAGGGAGCGCAGGCGGGATAGCAAGTCAGCTGTGAAAACTATGGGCTCAACCCATAAACTGCAGTTGAAACTGTTATGCTTGAGTGGCGTAGAGGCGAGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCGATAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU8409;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Peptostreptococcaceae(0.2184),g:Clostridium_XI(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCTCAATGGGCGAAAGTCTGATGCAGCAACGTCGCGTGAGCGACGAAGGCCTTCGGGTCGTAAAGCCCTGTTCTCAAGGAAGATAATGACGGTACTTGTGGAGGAAGCCCCGGCCAACTACGTGCCAGCAGCCGCGGCAATACGCAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGAGGTGAAAGGCTACGGCTCAACCGTAGAAAGCCTTTGAAACTGGGAAACTTGAGTGCAGGAGAGGAGAGTGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCGGCTCTCTAGAATGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU8407;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Ruminococcaceae(0.3544),g:Pseudoflavonifractor(0.0326);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACGCAGCAACGCCGCGTGAAGGATGAAGGCTTTCGGGTTGTAAACTTCTTTTATGAGGGACGAGCAGAAGACGGTACTTATTGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGCGCAGCCGGGTCTGCAAGTCAGATGTGAAATCCGTGGGCTCAACCCATGAACTGCATTTGAAACTGTAGATCTTGAGTGAAGGAGAGGCAGTCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGTTAACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU8410;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Clostridiaceae_1(0.3204),g:Clostridium_sensu_stricto(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCTCAATGGGGGAAACCCTGAAGCAGCAAAGCCGCGTGAGGGATGAAGGTCTTCGGATCCTAAAGCTCTTTCTTTAGGGACGTTAATGACGGTACCTGAGGAGGAATCCACGGCTAACTACGTGCCAGCACCCGCGGCAATACGCAAGTGGCGAGGTTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAAGTGAGAGATGAAATACCCAGGCTCAACCTGGGGGCTGCAGTTCAAACTGGAAGTCTAGAGTGTGGGAGAGGAGGGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGCAGAACCCCAGTGGCGAAGGCGACTCTCTGAGCTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8412;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8520),f:"Prevotellaceae"(0.4914),g:Prevotella(0.0904);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGCCCTATGGGTTGTAAACTGCTTTTATAAGGGGATAAAGTGCGCCACGTGTGACTTTTTGTATGTACCTCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGAGGATTAAGCGTGACGTGAAATGTAGATGCTCAACGGCTGAGCTGCAGCGCGAACTGGTTTTCTTGAGTGAGTACAAAGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACCCCGATTGCGAAGGCAGCTGACGGGAGCGTAACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU8411;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Lachnospiraceae(0.1485),g:Cellulosilyticum(0.0181);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACACCGCGTGAAGGAAGAAGGTCTTCGGATTGTAAACTTCTATCAGCAGGGAAGAATAAAAACTTTAGTTTTTTAATGACGGTACCTGACTAAGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGATTTATTGGGTGTAAAGGGTGCGTAGGCGGCTGCGTAAGTCAGACGTGTAATGCAGAGGCTTAACCTCTGAACTGCGTTGGAAAATGTGTAGATTGAGTGGAGTAGAGGCGGATGGAATTTCCAGTGTAGCGGTGAAATGCGTAGATATTGGAAGGAACACCAGTGGCGAGGGCGATCTGCTGGGCTCTAACTGACGCTGAGGCACGAAAGCATGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8413;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Ruminococcaceae(0.4914),g:Ruminococcus(0.1735);

ACGGAAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGTCGCGTGAACGATGAAGGTCTTCGGATTGTTAAGCTCTTTTATTAAGGACGAAGAAGTGACGGTACTTAATGAATTTGCTCCGGCTAGCTACGTGCCAGCAGCCGCTGTAATACGTAGGGAGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCAGAGCAAGTCAGATGTGAAATCCGTGGGCTTAACCCACGAGCTGCATTTGAAACTGGTTTGCTTGAGTGAAGTAGAGGCAGGCGGAATTCCCTGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCGATGGCGAAGGCGGCCTGCTGGGCTTTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8416;tax=d:Bacteria(0.9450),p:"Spirochaetes"(0.3448),c:Spirochaetia(0.1740),o:Spirochaetales(0.0781),f:Spirochaetaceae(0.0252),g:Spirochaeta(0.0046);

GTGTCAGCCGCCGCGGTGATACGTAAGGAGCGAGCGTTGTTCGGAATTATTGGGCGTAAAGGGTGCGTAGGCGGTTTAATAAGTCTGTAATCAAAGACTCGGGCTCAACTCGAGGTCGGTTATGGAAACTGTTAAACTAGAATCTTTCAGGGGAAGCTAGAATTTCTGGTGTAGGGGTGGAATCTGTTGATATCAGAAAGAATACCAAAGGCGAAGGCAGGCTTCTAGGAAATGATTGACGCTGAGGCACGAAAGTGTAGGGAGCAAACAGGATTAGATACCCTGGTAGTCTACACCGTAAACGATGTACACTAGGTGTTGGTTCACATTAGAATCAGTACTCAAGCTAACGCGATAAGTGTACCGCCTGAGGAGTATGCCGGCAACGGTGAAACTCAAATGAATTGGCGGGG

>OTU8415;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachnospiraceae(0.4224),g:Clostridium_XlVa(0.1299);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATCTCGGTATGTAAAGCTCTGTCAGCAGGGAAGAAAACGACGGTACCTGAAGAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACTGCGAGACAAGTCTGGAGTGAAAGCCCGGGGCCCAACCCCGGGACTGCTTTGGAAACTGCCTGGCTGGAGTGCGGGAGAGGTGAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGCGGCGAAGGCGGCTCACTGGACCGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU8414;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Clostridiaceae_2(0.0355),g:Alkaliphilus(0.0087);
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>OTU8418;tax=d:Bacteria(0.0024),p:Firmicutes(0.0000),c:Bacilli(0.0000),o:Lactobacillales(0.0000),f:Lactobacillaceae(0.0000),g:Lactobacillus(0.0000);
ACTGACGACTTCTACCACATCTATTGCCATTATGGGTCTTCAAGCTGCTTATGCTAATTTGCCTACTGACCAAGACCGTGATTACTTCATGCCGCGTTACCATGATGTTATTTCTTCATTTGGAGGTAAAACCTCTTATGACGCTGACAACCGTCCTTTCCTTGTCATGCGCTCTAATCTCTGGGCATCTGGCTATGATGTTGATGGAACTGACCAAACGTCGTTAGGCCAGTTTTCTGGTCGTGTTCAACAGACCTATAAACATTCTGTGCCGCGTTTCTTTGTTCCTGAGCATGGCACTATGTTTACGCGTGCGCTTGTTCGTTGTCCGCCGACTGCGACTAAAGAGATTCAGTACCTTAACGCGAAAGGTGCTTTGACTTATACAGATATGGCTGGCGACCCTGGTTTGTATGGCAACGTGCCGCCGCGGGAAATTTC
>OTU8419;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Erysipelotrichia(0.5195),o:Erysipelotrichales(0.2679),f:Erysipelotrichaceae(0.1291),g:Turicibacter(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGACGCAGCGACGCCGCATGCGGGACAGAGGCCTTCGGGTCGTAAACCGCTTTCAGCAGGGAAGAGACGAGACTACACCTGCAGAAGAAGCCCCGTCTCACTACGTGCCAGCAGCCGCGGTAATGCGTAGGTCGCGAGCGTTATCCGGAATTATTGGGCGTAAAGGGCGCGCAGGTGGTTGATTAAGTCAGATGTGAAAGCCCACGGCTTAACCGTGGAGGGTCATTGGAAACTGGTAGACTAGAGTGTAGAAGAGGGTAGTGGAATTCCGTGTGTAGAGGTGAAATGCGTAGAGATATGGAGGAACACCAGTGGCGAAGGCGGCTTCCTGGTCTATAACTGACACTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8417;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9933),c:Gammaproteobacteria(0.9719),o:"Enterobacteriales"(0.7623),f:Enterobacteriaceae(0.5632),g:Escherichia/Shigella(0.1735);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATAACTTTGCTCATTGACGTTACCCGAAGAAGAAGCACAGGCTCACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGCACGCAGGCGGTTTGTGAAGTCAGATGAGAAATCCCCGGGCTCAACTTGGTAACTGCAACTGATACTGGCAATCTTGAAGCGCGTAGAGGAGGGTAAAATTCCAGGTGTAGCTGTGAAATGCGTAGAGATCTAGAGGAATACCGGTGGCGAAGGCGGCCCCCTTGACGAAGACTGACGCTCAGGTGCTAAAGCGTGGGGAGCAAACAGGATTAGATACCCGGGTA
>OTU8421;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Ruminococcaceae(0.1872),g:Intestinimonas(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTGTCAGGGACGAGTAGAAGACGGTACCTGACGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGTCTTTTAAGTTGGATGTGAAATCCCCGGGCTTAACTTGGGGTCTGCATCCAATACTGGGAGACTAGAGTGCAGGAGAGGGCAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTAACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU8420;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Ruminococcaceae(0.1872),g:Clostridium_III(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACTCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGGAAGTGACGGTACCTGGAGAAACAGCAACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGATGCAAGTCATGAGTGAAATACCGGGGCTCAACCCCGGAACTGCTTTTTAAACTGTATCCCTTGAGTGTCGGTGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGTAAGAACACCAGTGGCGAAGGCGGCTTGCTGTACGATAACTGACGCTTAGGCGCGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU8423;tax=d:Bacteria(0.0041),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Clostridiales(0.0000),f:Clostridiales_Incertae_Sedis_XI(0.0000),g:Peptoniphilus(0.0000);
ACAAGATTGAGTGTGAGGTTATACCGCCGAAGCGGTAAAAATTTTAATTTTTGCCGCTGAGGGGTTGACCAAGCGCCGCGCGGTAGGTTTTCTGCTTAGGAGTTTAATCATGTTTCAGACTTTTATTTCTCGCCATAATTCAAACTTTTTTTCTGATAAGCTGGTTCTCACTTCTGTTACTCCAGCTTCTTCGGCACCTGTTTTACAGACACCTAAAGCTACATCGTCAACGTTATATTTTGATAGTTTGACGTTTAATGCTGGTAATGGTGGTTTTCTTCATTGCATGAAGAGGGATACATCTGTCAACGCCGCTAATCAGGTTGTTTCTGTTGGTGCGGATATTGCTTGTGATGCCGACCCTAAATTGTTTGCCGGTTTGGTTCGCTTTGAGTCTTCTGCGGTTCCGACTACCCTCCC

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>OTU8422;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Bacilli(0.9834),o:Lactobacillales(0.9389),f:Enteroc
occaceae(0.8505),g:Enterococcus(0.7162);
CCTTTCTTCCTCCTTCTTTCCTCTTCTTCCCTTTCCGCCCGTCTGACCGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCG
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acteriales"(0.7995),f:Enterobacteriaceae(0.5991),g:Escherichia/Shigella(0.2171);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGACTGATGAAGCAATGCCGAGTGAAGGAAGAAGGA
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ococcaceae(0.0710),g:Cellulosibacter(0.0157);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
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352),f:Bacteroidaceae(0.0086),g:Bacteroides(0.0043);
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959),f:"Porphyromonadaceae"(0.1872),g:Parabacteroides(0.0230);
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ospiraceae(0.3884),g:Eisenbergiella(0.1299);
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359),f:"Rikenellaceae"(0.1098),g:Alistipes(0.0204);
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737),f:"Prevotellaceae"(0.4914),g:Prevotella(0.1299);
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395),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0204);
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t(0.9879),g:Streptophyta(0.9856);
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412),f:Bacteroidaceae(0.4914),g:Bacteroides(0.3043);
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ales"(0.1249),f:Sphingobacteriaceae(0.0457),g:Solitalea(0.0110);
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ospiraceae(0.2864),g:Clostridium_XlVa(0.0712);
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ospiraceae(0.6709),g:Coprococcus(0.5239);
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821),f:Bacteroidaceae(0.9108),g:Bacteroides(0.9085);
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ococcaceae(0.0149),g:Saccharofermentans(0.0056);
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ospiraceae(0.5991),g:Roseburia(0.3479);
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ococcaceae(0.1872),g:Sporobacter(0.0157);
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ospiraceae(0.1098),g:Clostridium_XlVa(0.0204);
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359),f:"Porphyromonadaceae"(0.0355),g:Parabacteroides(0.0087);
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ales"(0.1015),f:Sphingobacteriaceae(0.0355),g:Parapedobacter(0.0087);
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719),f:Bacteroidaceae(0.0560),g:Bacteroides(0.0134);
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359),f:"Rikenellaceae"(0.1098),g:Alistipes(0.0204);
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652),f:Bacteroidaceae(0.1872),g:Bacteroides(0.0519);
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ales"(0.0291),f:Sphingobacteriaceae(0.0073),g:Parapedobacter(0.0039);
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ococcaceae(0.9294),g:Gemmiger(0.2171);
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diaceae_1(0.2184),g:Clostridium_sensu_stricto(0.0519);
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039),f:Bacteroidaceae(0.0904),g:Bacteroides(0.0181);
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138),f:Bacteroidaceae(0.1098),g:Bacteroides(0.0204);
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473),f:Prolixibacteraceae(0.0113),g:Prolixibacter(0.0056);
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0.0000),f:Pseudonocardiaceae(0.0000),g:Thermocrispum(0.0000);
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413),f:Marinilabiliaceae(0.0099),g:Mangroviflexus(0.0046);
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,f:Cytophagaceae(0.0000),g:Dyadobacter(0.0000);
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ATTGTTCACGGAAGATGAGTGGCTTGAAATTGAAGACGAGATTTATGCAGAAGATTCAGAAATGGAAAATGAACGC

GTCGTGGGAATTGGGGCCGAGGCGCTGAAGCAGCTGCTTGAGGATCTCCAACTCAAGGCTGTGGCTGAACAATTAC
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0.0000),f:Flavobacteriaceae(0.0000),g:Chryseobacterium(0.0000);
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CACCTTCTTGAAGGCTTACCATTCAGTAAGGAACCGCCTGCTGGTGATTTGCAAGAACGCGTACGTATTCGCCACCAT
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>OTU8587;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Rumin
ococcaceae(0.1291),g:Clostridium_III(0.0134);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCAGCGTGAAGGAAGAAGG
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>OTU8591;tax=d:Bacteria(0.8696),p:Firmicutes(0.4311),c:Clostridia(0.0425),o:Clostridiales(0.0291),f:Lachn
ospiraceae(0.0073),g:Clostridium_XlVa(0.0035);
ACGGAAGGCAGCAGCCCGTCAGGATTAGATACCCTGGTAAGATCGGAAGAGCACACGTCTGAACTCCAGTCACAGT
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>OTU8590;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9726),o:"Bacteroidales"(0.8
955),f:"Porphyromonadaceae"(0.7787),g:Parabacteroides(0.6200);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGCCGAGAGGCTGAACCAGCCAAGTCGCGTGAGGGATGAAGGC
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>OTU8594;tax=d:Bacteria(0.0024),p:"Spirochaetes"(0.0000),c:Spirochaetia(0.0000),o:Spirochaetales(0.0000),f:Leptospiraceae(0.0000),g:Leptospira(0.0000);

AGAAGGCGGTTCCTGAATGAATGGGAAGCCTTCAAGCAGGTGCTAATCCGGCGAAACATACGCAGGCGCATAACGATCCCACTGCCCCTCAGCAATCTTAAACTTCTTAGACGAATCACCAGAACGGAAAACATCCTTCATAGAAATTTCACGCGGCGGCAAGTTGCCATACAAAACAGGGTCGCCAGCAATATCGGTATAAGTCAAAGCACCTTTAGCGTTAAGGTACTGAATCTCTTTAGTCGCAGTAGGCGGAAAACGAACAAGCGCAAGAGTAAACAGAGTGCCATGCGCAGGAACAAAGAAACGCGGCACAGAATGTTTATAGGTCTGTGGAACACGACCAGAAAACTGGCCTAACGACGGTG

>OTU8593;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9784),o:"Bacteroidales"(0.9707),f:"Prevotellaceae"(0.9201),g:Prevotella(0.7643);

ACGGGAGGCAGCAGTGAGGAATATTGGTCACTGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTACACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATAAGGCCCGGCTAATTCCGTGACAGCAGCCGCGGTAATACGGAGGATTCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTTATAAGCGTCTGGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGGGAGACTGGAGTGCGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTGAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU8592;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9474),c:Gammaproteobacteria(0.8331),o:"Enterobacteriales"(0.4280),f:Enterobacteriaceae(0.2524),g:Escherichia/Shigella(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTGCTCATTGACGTTACCCGCAGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGAGCAAGCGTTATCCGGATTCATTGGGCGTAAAGCGCGCGTAGGCGGCTTGCTAAGCGGGACTTCTAATCCGAGGGCTCAACCCCCGGCCGGGTTCCGAACTGGTAGGCTCGAGTGCGGTAGGGGCAAGTGGAATTCCATGTGTAGCGGTGAAATGCGCAGATATATCGAGGAACACCAGTGGCGAAGGCGGCTTCCTGGTCTGTAACTGACACTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8596;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Clostridiaceae_1(0.3204),g:Clostridium_sensu_stricto(0.0904);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGAAGCAGCAACGCAGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTTTCTTCAGGGACGATAATGACGGCATCTGAGGAGGATGCCACGGCTAACTATGTTCCAGCAGCCGCGGTAATATGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAAGTGAGTTGTGAAATGCCCAGGCCCAACTTGGGTACTGCATTTCTAACTGGAAGTCTAGAGTGCGGGAGACGTGAATGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAATAACACCAGTGGCAAAGGCAGTTGTCTGGACTGCAACTGACGCTGAGGCTCGAAAGCGTGGGGAACGAACAGGATTAGATACCCTGGTA

>OTU8598;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9540),c:"Bacteroidia"(0.5579),o:"Bacteroidales"(0.2999),f:"Prevotellaceae"(0.1098),g:Prevotella(0.0134);

ACGGGAGGCAGCAGTGAAGGATAAGAGTCAATGGGAAAAAGGGAAGAGCAGCCAAGTAAAGTGCAGGCAGAAGGCCATATGGGATGTAGACTGCTTTTGGAAGGAAATAAAGTGCTCCACGTGTGGAGTTTTGTAGGTACCATACGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTGGATTAAGTGTGTTGTGAAAGGTAGGCGCTCAACGTCTGACTTGCAGCGCATACTGGTCCACTTGAGTTCGCACAACGCGGGCGGAATTTGTCGTGTAGCGGTGAAATGTTTATATTTTGCTGATACCCCCGCTTCCGAAGTCTGCTCTCTTTCCCTCCACGACCCTCTTCCCTCGTAAGTGCGGCTGTCGCCCAGGATTAGATACCCTGGTA

>OTU8595;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Ruminococcaceae(0.3544),g:Intestinimonas(0.0326);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTGTCAGGGAAGAGAAGAAGACGGTAACTGCCGAATACGCCACGGCTAACTACGTGACCACCGCCGCGGTAATACGTAGGTGGCGCGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGGCGGCAAGTCAGATGTGAAATCCCCGGGCTTAACCCACGAACTGCATTTGAAACTGTTTTGCTTGAGTGAAGGAGAGGCAGGCGGAATTCCCTGTGTAGCGGTGAGATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTAACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU8597;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9507),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3319),f:"Porphyromonadaceae"(0.1291),g:Tannerella(0.0204);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTTCTTTTATACGGGGGTAAAGTGCTGTACGTGTACCTTATTGCAAGTATCGAATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGATGATTAAGTGAGCGGTGAAATGGAGGGGCTCAACCATTCAGTTGCCGTGGATACTGGTAGTCTTGAGTGTGAGCGAGGTAGGCGGAATTTGATGTGTAGCGGTGAAATGCTTAGATATGTCGAAGAACCCCGATTGCGAAGGCAGCTTACCAGGATACGACTGACGCTGAGGCACGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU8599;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:Sphingobacteriia(0.0626),o:"Sphingobacteriales"(0.0413),f:Sphingobacteriaceae(0.0099),g:Pedobacter(0.0046);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGTCCTATGGATTGTAAACTGCTTTTTTCGGGGAATAATAAGACTTTTGCGCAGGTTGATTCAGGTACACGAAGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCACGGTAATACGGAGGATTCGAGCGTTATCCGGATTTATTGGGTTTAATGGGTGCGTAGGGGGTTAGTTAAGTGTGAGGTTAAATGCTTCTGCTCAACTGGGGTTTGCCTTGAAAACTGTCTGACTAGGATGTGAACGACGAAGGAGGAATGAATCATGTAGCGGTGACATTCGTAGATATGATTCAGAACACCGATGGCGAAGGCAGCTTGCTAGGATACGATTGACGCTGAAGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU8600;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8267),c:"Bacteroidia"(0.1740),o:"Bacteroidales"(0.0781),f:"Porphyromonadaceae"(0.0252),g:Barnesiella(0.0076);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCAAGCCGCGTGCAGGAAGGCGGCCCTACGGATTGTAAACTGCTTTTTCCGGGGAGTAACAAGCCCCATGCGAAGCGCGATGCGGGTACCCGGAGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCGGTGCGACAAGTCTGAGGTTAAATGCTTCTGCTCAACAGGAGGTTGCCGTGGAAACTGTGTGACTAGGATGTAAGCGGCGCAGGCGGAATGAGTCGTGTAGCGGTGACATGCATAGATATGACGCAGAACACCGATCGCGAAGGCAGCTTGCGAGGATACGATTGACGCTGAGGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU8601;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9933),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3319),f:Bacteroidaceae(0.1098),g:Bacteroides(0.0204);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGTCCTATGGATTGTAAACTGCTTTTTTCGGGGAATAATAAGACTTTTGCGAAGGTTGATGCAGGTACCCGAAGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATTCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGTGGGCGTGTAAGTCAGTTGTGAAAGTTCGTGGCTCAACCACGGAATTGCAGTTGAAACTGCATGCCTTGAGTGCGGTAGAGGTAGGCGGAATTCATGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTTGCTGGAGCGTAACTGACGCTGATGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU8603;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9866),o:Lactobacillales(0.8955),f:Lactobacillaceae(0.7428),g:Lactobacillus(0.3915);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCACTTTTGTTGGAGAAGAACGTGCGTGAGTGTAACTGTTTACGCAGTGACGGTACCCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCAAGCGTTATCCGGATTTACTGGGCGTAAAGCGAGCGCAGGCGGTTGGTTAAGTCTGATGTGAAAGCCTTCGGCTTAACCGGAGAAGTGCATCGGAAACCGGGCAGCTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAGGAACACCGGTGGCGAAGGCGGCTGCCTGGTCTGCGACTGACGCTGAGGTTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU8602;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Ruminococcaceae(0.7787),g:Intestinimonas(0.3479);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCCTCGGGTTGTAAACTTCTTTTGTCAGGGACGAAGCAAGTGACGGTACCTGACGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGAGTGCAAGTTGGGTGTGTAATACCCAGAGCTTAACTCGGGTGCTGCATCTGAAACTGTATTTCTTGAGTGTCGGAGAGGTTGACGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGTCAACTGGACGATAACTGACGCTGAGGCGCGAAAGCGTTGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8604;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Lachnospiraceae(0.6709),g:Clostridium_XlVa(0.4787);
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CCTTTCTTCCTCCTTCTTTCCTCTTTTCCCCTTGGCGCCAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCCTATGTGACGAAGGAAGTGACGGTAGCATAGGAGGAAGCCCCGACTAACTACGTACCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGTTTGGTAAGTTGGATGTGAAATGCCCGGGCTTACCTTGGGGGCTGCATCCAATACTGTGGGACTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU8607;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Ruminococcaceae(0.2184),g:Oscillibacter(0.0181);
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ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGAAGACGGTCTTCGGATTGTAAAACTCTTTGAATAGGGACGAACACAATGACGGTACCGGAAGAATAAGCCTCGGCCATCTACGTGCCAGCACCCGTGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGTGTGTAGGCGGGCTCGCAAGTTAGTGGTGAAACCCCTGGGCTTAACATGTGAACTGCCATGGATACTGTCAGCCTGGAGTATGGGAGAGGATAACGGAATATCCAGTGTAGAGGTGAAATTCGTAGATATTAGGAAGAACACCGATGGCGAAGGCGGTTATCTAGCCGATTACTGACGCTGAGGCGCGAAGGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU8612;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8267),c:Sphingobacteriia(0.1740),o:"Sphingobacteriales"(0.0781),f:Sphingobacteriaceae(0.0252),g:Parapedobacter(0.0076);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGTCCTATGGATTGTAAACTGCTTTTTTCTGGGAATAATGAGACTTTTGCGTAGGTGGATGCAGGTACTCGAAGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATTCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTTAGTTAAGTTGAAGGTTAATGGATCCTGCTAACCACTAGTTTGCCTTGAGAACTGTTTGACTAGGATGTAAACGGCGCAGGCGGAATGCATCATGTAGCGGTGACATGCATAGATATGATTCAGAACACCGATCGCGAAGGCAGCTTGCGAGGATACGATTGACGCTGAAGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU8613;tax=d:Bacteria(0.8696),p:"Bacteroidetes"(0.2586),c:"Bacteroidia"(0.0425),o:"Bacteroidales"(0.0291),f:Prolixibacteraceae(0.0073),g:Prolixibacter(0.0039);

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ales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Solitalea(0.0056);
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Thermus"(0.9441),c:Deinococci(0.8189),o:Thermales(0.5766),f:Thermaceae(0.3884),g:Rhabdothermus(0.0
230);
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diaceae_1(0.6350),g:Clostridium_sensu_stricto(0.3043);
ACGGGAGGCAGCAGTGGGGAATCTTGCCCAATTTGGTCCACCCTGATGCAGCAATGCCGCGTGAGTGATGAAGGCC
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CAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGTGTAAG
TGAGATGTGAAATACCCGGGCTTAACTTGGGGGCTGCATTTCAAACTAGAAGTCTAGAGTGCAGGAGAGGAGAGTG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGCTTCTCTGGACTGTAAC
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>OTU8615;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachn
ospiraceae(0.3884),g:Blautia(0.0904);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGAAGGC
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GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGCGCGCAGGTGGTTGATTAA
GTCTGATGTGAAAGGCTGGGGCTCAACCCCGGGACTGCATTGGAAACTGCCCGTCTTGAGTGCCGGAGAGGTAAGC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTA
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>OTU8617;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Clostridiaceae_1(0.2524),g:Clostridium_sensu_stricto(0.0712);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
CTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGCGTAGATGGCATGGCAA
GTCTGAAGTGAAATGCGGGGGCTCAACCCCTGAACTGCTTTGGAACTGTCTGGCTAGAGTGCAGGAGGGGCAGGCG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCCTGCTGGACTGTAA
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>OTU8619;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Bacilli(0.8189),o:Lactobacillales(0.5023),f:Lactobacillaceae(0.3204),g:Lactobacillus(0.0904);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
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TCTTGAATGCGGATGCCGTGGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCACTCAGAACACCGATTG
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>OTU8618;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Ruminococcaceae(0.6350),g:Ruminococcus(0.3043);

CCGGGAGGCAGCAGTGGTTTCTCTTGCGCAATTTGGTCACCCCTTCCGCCTCAACGCCGCGTGAACGATGAAGGTCTT
CGGATTGTAAAGTTCTTTTATTAAGGACGAAGAAGTGACGGTACTTAATGAATAAGCTCCGGCTAACTACGTGCCAGC
AGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCCGAGCAAGT
CAGATGTGAAATCCGTGGGCTTAACCCACGAACTGTATTTGAAACTGTTTTGCTTGAGTGAAGTAGAGGCAGGCGGA
ATTCCCTGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTAACT
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>OTU8620;tax=d:Bacteria(1.0000),p:"Verrucomicrobia"(0.9769),c:Opitutae(0.9604),o:Opitutales(0.7623),f:Opitutaceae(0.5632),g:Opitutus(0.1735);

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AGCAGAATTCATGGTGTAGCAGTGAAATGCGTAGATATCATGAGGAATACCAGAGGCGAAGGCGGCTACCTGGACA
ATTGCTGACGCTCAGGCACGAAAGCGTGGGGAGCAAAAGGGATTAGATACCCCTGTAGTCCACGCCCTAAACGGTG
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>OTU8623;tax=d:Bacteria(0.7564),p:"Bacteroidetes"(0.1707),c:Sphingobacteriia(0.0324),o:"Sphingobacteri
ales"(0.0231),f:Sphingobacteriaceae(0.0059),g:Solitalea(0.0032);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGTCTGAACCAGCCATGCCGCGTGCGGGAAGGCGGC
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GGAACGGGTTACTCCGTTCCCACAGGCCGGGGTATTACGGGGGTAGGGAGCGTAATCCGGATTCATTGGGTTTAAA
GGGTGCGTAGGCTGTGCGTCAAGTCAGGCGTGAAAAGCCGGTGCTCAACTCCGAGGCTGCCCTTGATACTGGCGCG
CTGGAGTGCGGATGCCGCCAGAGGAATGTGTTGTGTAGCGGTGAAATGCTCAGATATCACACAGAACGCCGATTGC
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>OTU8622;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Lachn
ospiraceae(0.2184),g:Clostridium_XlVa(0.0519);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGATGAAGGA
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GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGACGGCTGAGTAA
GTCGGGTGTGAAATCCCAGGGCTCAACCCTGGGACTGCATTGCAAACTGTATGGCTAGAGTGCAGGAGAGGTGAGT
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCCTTCTGGACTGTA
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>OTU8621;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.3448),c:"Bacteroidia"(0.0525),o:"Bacteroidales"(0.0
352),f:Prolixibacteraceae(0.0086),g:Prolixibacter(0.0043);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
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AGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAG
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AGAGTGCGAAAGGCGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCGTAGATATCACTCAGAACACCGATGGCG
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>OTU8624;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9474),c:Spirochaetia(0.8331),o:Spirochaetales(0.613
8),f:Spirochaetaceae(0.4224),g:Treponema(0.0904);

ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGAACGAAGAAGGC
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TAAGCCACGGCTAATTACGTGCCAGCAGCCGCGGTAACACGTAAGTTGCGAGCGTTGTTCGGAATTATTGGGCGTAA
AGGGAGTGTAGGCGGTTTTTCAAGCTTGGTGTGAAATGCATAGGCTCAACCTAAGAACTACATTGGGAACCACAAGA
CTTGAGTTACTGAGGTGGAAGTGGAAGTCCAGGTGTAGGGGTGAAATCTGTAGATATATGGAAGAACACCAATGGC
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>OTU8625;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Lachn
ospiraceae(0.2864),g:Clostridium_XlVa(0.0808);
ACGGAAGGCAGCAGTGGGGGATATTGCACGATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGGGAAGAAGG
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>OTU8627;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9994),c:"Bacteroidia"(0.9805),o:"Bacteroidales"(0.9
775),f:"Porphyromonadaceae"(0.9666),g:Butyricimonas(0.9724);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAATGG
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>OTU8626;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Lachn
ospiraceae(0.4563),g:Clostridium_XlVa(0.2171);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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>OTU8629;tax=d:Archaea(0.0024),p:"Euryarchaeota"(0.0000),c:"Methanomicrobia"(0.0000),o:Methanomi
crobiales(0.0000),f:Methanomicrobiaceae(0.0000),g:Methanoculleus(0.0000);

TGAGTGTGAGGTTATAACGCCGAAGCGGTAAAAATTTTAATTTTTGCCGCTGAGGGGTTGACCAAGCGAAGCGCGGT
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>OTU8631;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9900),c:"Bacteroidia"(0.9604),o:"Bacteroidales"(0.8
629),f:"Prevotellaceae"(0.4224),g:Alloprevotella(0.2171);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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coccaceae_2(0.0113),g:Desulfotomaculum(0.0056);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
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412),f:Bacteroidaceae(0.4563),g:Bacteroides(0.2607);
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623),f:"Porphyromonadaceae"(0.5273),g:Butyricimonas(0.2607);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAATGT
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AAGAGAAGAGGGAGGGGGAAAAAGTGAGGGAGGGGTGAAATGCATAGATATCAATAGGAACCCCGAAAGGGAAG
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9),f:Veillonellaceae(0.1872),g:Mitsuokella(0.0230);
ACGGGAGGCAGCAGTGGGGAATCTTCCGCAATGGGCGAAAGCCTGACGGAGCAACGCCGCGTGAGTGAAGAAGGT
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0.0547),f:Flavobacteriaceae(0.0113),g:Cruoricaptor(0.0046);
ACGGAAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATGCCGCGTGAAGGACTAAGGCC
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ales"(0.0781),f:Sphingobacteriaceae(0.0252),g:Parapedobacter(0.0076);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGCGGC
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547),f:Bacteroidaceae(0.0149),g:Bacteroides(0.0066);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGGTGAAAACCTGATCCAGCCATGCCGCGTGAAGGATTACGGTC
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cillaceae(0.2864),g:Lactobacillus(0.0808);
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319),f:Bacteroidaceae(0.1679),g:Bacteroides(0.0423);
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389),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);
ACGGGAGGCAGCAGTGAGGAATATTGCTCAATGGGCGCGAGCCTGAACCAGCCAAGTCGCGTGAAGGATGAATGC
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781),f:"Porphyromonadaceae"(0.0252),g:Porphyromonas(0.0076);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGATGGAAATCTGATCCAGCCATGCCGCGTGAAGGAATACGGTT
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ospiraceae(0.0457),g:Clostridium_XlVb(0.0110);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACTCCGCAACGCCGGGTGAGAGAAGAAGGT
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781),f:"Porphyromonadaceae"(0.0252),g:Barnesiella(0.0066);
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18);
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821),f:"Prevotellaceae"(0.9666),g:Prevotella(0.8124);
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413),f:"Rikenellaceae"(0.0099),g:Rikenella(0.0046);
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629),f:"Prevotellaceae"(0.5991),g:Prevotella(0.1299);
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cillaceae(0.8864),g:Lactobacillus(0.6681);
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0.0000),f:Nocardiaceae(0.0000),g:Gordonia(0.0000);
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685),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);
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ospiraceae(0.1485),g:Blautia(0.0326);
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diaceae_1(0.6709),g:Clostridium_sensu_stricto(0.4787);
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0.0000);
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359),f:"Rikenellaceae"(0.1098),g:Alistipes(0.0181);
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753),f:"Porphyromonadaceae"(0.9573),g:Butyricimonas(0.9705);
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497),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);
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ales"(0.1015),f:Sphingobacteriaceae(0.0355),g:Parapedobacter(0.0087);
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730),f:Bacteroidaceae(0.8864),g:Bacteroides(0.8124);
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623),f:Bacteroidaceae(0.2864),g:Bacteroides(0.0808);
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999),f:"Porphyromonadaceae"(0.1291),g:Barnesiella(0.0134);
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412),f:Bacteroidaceae(0.5273),g:Bacteroides(0.3479);
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onadales(0.9821),f:Pseudomonadaceae(0.9871),g:Pseudomonas(0.8124);
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063),f:Bacteroidaceae(0.5632),g:Bacteroides(0.3915);
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509),f:"Prevotellaceae"(0.3204),g:Prevotella(0.0615);
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acterales(0.9063),f:Campylobacteraceae(0.8146),g:Campylobacter(0.7162);
AAGGGAGGAAGAAGGAGGGAAGATTGCTCAATGGGCGAAAGCCTTAAGCATCAACGACGCGTTTATTATGACACTT
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TCTTTTGTGAAATCTAATGACTTAACCATTAAACTGCTTGAGAAACTGATAATCTAGAGTGAGGGAGAGGCAGATGG

AATTGGTGGTGTAGGGGTAAAATCAGTAGAGATCACAAAGAATACCCATTGCGAAGGCGATCTGCTAGAACTCAAAT
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>OTU8693;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.5174),c:Fusobacteriia(0.2902),o:"Fusobacteriales"(0.
1249),f:"Fusobacteriaceae"(0.0457),g:Fusobacterium(0.0087);
ACGGGAGGCAGCAGTGGGGGATATTGGACAATGGACCAAAAGTCTGATCCAGCAATTCTGTGTGCACGATGAAGTT
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GCAAGTCAGGCGTGAAATATATCGGCTCAACCGGTATCTGCGCTTGAAACTGCAGGTCTTGAGTGAAGTAGAGGTTG
GCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAGCACCAGTAGCGAAGGCGGCTTTCTGGACTG
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>OTU8697;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9321),o:"Bacteroidales"(0.8
412),f:Bacteroidaceae(0.2864),g:Bacteroides(0.0808);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGAAGGT
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GCGTAGGTGGACTGGTAAGCTAGTTGTGAAAGTTTGGGGCTCAACCGTAGAATTGCAGTTGAAACTGCCAGTCTTGA
GTACAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATCGCGAAGG
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>OTU8699;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9762),o:"Bacteroidales"(0.9
497),f:"Prevotellaceae"(0.9015),g:Prevotella(0.4787);
AAGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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GACCGGCTAATTCCGTGCCAGCAGCAGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCCGTCTTATAAGCGTGTTGTGAAATGTCGTGGCTCAACCTGGGCATTGCAGCGCTAACTGTGATACTTGA
TTGCGCAGTAATTAGGCGGAATTCGTCGTGTATCGGTGAAATGCTTAGATATGACGATGAGCTCCTATTGCTAATGCA
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>OTU8702;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9474),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5
023),f:"Prevotellaceae"(0.1098),g:Alloprevotella(0.0204);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGAGTTAGTCTGAACCAGCCAAGTAGCGTGCAGGATGAAGGCC
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CGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGC
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>OTU8700;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Rumin
ococcaceae(0.0113),g:Saccharofermentans(0.0056);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGAAGACGGT
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GCAAGTTGGATGCGTAATACCCAGAGCTTAACTCAGGTACTGCATCTGAAACTAGCAGTCTTGAGTGTGTAAGATGT
AAGTGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACATCAGTGGCGAAGGCGACTTACTAGAC
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>OTU8704;tax=d:Bacteria(0.0024),p:"Bacteroidetes"(0.0000),c:Sphingobacteriia(0.0000),o:"Sphingobacteri
ales"(0.0000),f:"Cyclobacteriaceae"(0.0000),g:Fontibacter(0.0000);
TGCGACTCCAGCGATTCAGTACCTTAACGCTACAGGTGCTTTGACTTATACCGATATTGCTGGCGACCCTGTTTTGTCT
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GAGGGTCAGTGGTATCGTTATGCGCCTTCGTATGTTTCTCCTGCTTATCACCTTCTTGAAGGCTTCCCATTCATTCAGG
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>OTU8701;tax=d:Bacteria(0.9450),p:"Bacteroidetes"(0.3448),c:"Bacteroidia"(0.0525),o:"Bacteroidales"(0.0
352),f:Prolixibacteraceae(0.0086),g:Prolixibacter(0.0043);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCACGCCGCGTGCGGGAAGGAGGC
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GGTGCGTAGGCTGTGCGGCAAGTCAGGGGTGAAATTCCGGGGCTCAACTGTGGGGTTGCCCTTGATACTGTCGGGC
TTGAGTGCGGATGACGGTGGAGGAATGAGTGGTGTAGGGGTGAAATGCGTAGATATCACGAAGAACACCGATTGC
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>OTU8703;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Rumin
ococcaceae(0.1098),g:Intestinimonas(0.0134);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGATGAAGGT
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CAGCCGCCGCGGCAATACGTAGGTGGCAAGCGATATCCGGATCTACTGGGTGTAAAGGGTGTGTAGGCGGGAAGCC
AAGTCTGATGTGAAAATCAGGGGCTCAACCCAGGAACTGCATTTGAAACTGTAATTCTTGAGTGGCGTAGAGGCAAG
CGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTAT
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>OTU8705;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9988),c:Deltaproteobacteria(0.9769),o:Desulfovibrionales(0.9606),f:Desulfovibrionaceae(0.8146),g:Desulfovibrio(0.7162);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGGAAGCCTGACGCAGCGACGCCGCATGAGGGATGAAGGTCTTCGGATCGTAAACCTCTGTCAGATGGGAAGAAACTAGGGTGCTCTACTCATCATCCTACTGACGGTACCTTCAAAGGAGGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTTATACGTACGGTGCAAGCGTTAATCGGAATCATTGGGCGTAAAGCGCACGTAGGCTGTTATGTAAGTCAGGGGTGAAAACCCACGGCTCAACCGGGGAACTGCCCTTGATACTGGACGACTCGAATGCGGGAGAGGGTGGCGGAATTCCAGGTGTAGGAGTGAAATCCGTAGATATCAGGAGGAACATCAGTGGCGAAGGCGGCCACCTGGACCGGTATTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU8706;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Eubacteriaceae(0.1679),g:Eubacterium(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGTTGCAGTAACGCCGGGGGGGGGAAGACGGTTTTCGGATTGTAAACCTCTGTTTTCGGGGACGAACAAATGCCGGTAACCGAGTAGGAAGCCACGCCTACCAACGTCCCAGCAGCCGGGGTATTACGTAGGGGGCAAGGGTTATCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGATAGCAAGTCAGCTGTGAAAACTATGGGCTCAACCCATAAACTGCAGTTGAAACTGTTATTCTTGAGTGGAGTAGAGGCAAGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTCTAACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU8707;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8628),c:"Bacteroidia"(0.4428),o:"Bacteroidales"(0.2039),f:"Porphyromonadaceae"(0.0904),g:Barnesiella(0.0134);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGTCCTACGGATTGTAAACCTCTTTTGTCGGGGAGTAACGTGCGGGACGCGTCCCGTATTGAGAGTACCCGTAAAAGAAGCATCGGCTAACTCTGTGTCAGCAGCCGCGGTAATACGGATGATGCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGCGCGCCAAGTCAGCGGTAAAAGTTCGGGGCTCAACCCGGTGTCGCCTTGGAAACTGGCGTGCTGGAGTGCGGGCGAGGAAGGCGGAATGCGTTGTGTAGCGGTGAAATGCATAGATATGACGCAGAACTCCGATGGCGAAGGCAGCTTTCCAGCGCGCTACTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU8708;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6036),c:"Bacteroidia"(0.3483),o:"Bacteroidales"(0.1483),f:"Prevotellaceae"(0.0560),g:Prevotella(0.0134);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCAATGACTAAGGACCGGCTAATTCCGTGCCAGCAGGCGCGGCAATACGGGAGGTCCGGGCGCTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGAGTGCAAGTCTGATGTGAAATCCAAGGGCTCAACCCGTGAACTGCATTTGAAACTGTATTGCTTGAGTGTCGGAGAGGTTGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGGTCAACTGGACGGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8709;tax=d:Bacteria(1.0000),p:Firmicutes(0.3448),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Eubacteriaceae(0.0252),g:Alkalibaculum(0.0076);

ACGGGAGGCAGCAGTGGGGAATACTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATCGTAAACCTCTGTTGTAGGGGACGAGGAAAAGACGGTACCCTACGAGGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATGACTGGGCGTAAAGGGCATGTAGGCGGTTTTGCAAGCTTGGTGTGAAATGCATAGGATCAACCTATGAACTGCATTGAGAACTACAAGACTTGAGTTACTGAGGTGGAACTGGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGCTATCTGGACATAGACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8710;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.2999),f:Ruminococcaceae(0.1485),g:Intestinimonas(0.0204);

ACGGAAGGCAGCAGTGGGGAATATTGGGAAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGATCTTCGGATTGTAAACCTTAGTCAAAAGGGAAGAAGAAAGTGACGGTACCTGTGGAGGCAGCCACGGCTAACTACGTGCCAGCAGCCGGGGTAATACGTAGGTGGAGAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGTGTAGGCGGGCATGCAAGTCAGATGTGAAAACTATGGGCTTAACCCATAGCCTGCATTTGAAACTGTGAGTCTTGAGAGTGGGAGAGGTAAATGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCTGGAGGAACACCAGTGGCGAAGGCGATTTACTTGACCACAACTGACGCTTAGACACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8713;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9638),c:"Bacteroidia"(0.8048),o:"Bacteroidales"(0.5395),f:"Rikenellaceae"(0.3544),g:Alistipes(0.1299);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGTCCTATGGATTGTAAACTGCTTTTTTCGGGGAATTATAAGCCTTTTTCGCAGGTTGATTCCTGTACCCGACGAATCAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATTCGCGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTTAGATAAGTTAGAGGTGAAGTACCGGGGCTTAACACCGGAACTGCGTCTAATACTGTTGAACTAGAGAGTAGTAGAGGTAGGAGGAATGTATGGTGTAGAGGTGAAATGCGTAGAGATCAGACAGAACACCGATGGCGAAGGCAGCTTACCAAACTATATCTGACGTTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8711;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Ruminococcaceae(0.1291),g:Clostridium_III(0.0181);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGCAACCCCGACGCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCGCAAGGGAAGAAGGAAGTGACGGTATCCTGTGAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGACGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGAGCGTAGGCGGTCTGGTAAGTTAGATGTGAAATACCGGGGCTTAACCTGGGGGCTGCATCTAATACTGTTGTACTAGAGTACAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCATAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTTCTGGACTACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8712;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Ruminococcaceae(0.1872),g:Oscillibacter(0.0204);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAACCCCGACGCAGCAACGCCGCGTGAAGGAAGAAGGCTCTCGGGTTGTAAACTTCTTTCAAGAGGGAAGAGCCGAAGACGGTACCTCGAGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCTAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGCAGCCGGGTCTGCAAGTCAGATGTGAAATCCATGGGCTCAAAACATGATCTGCATTTGAAACTGTAGAGCTTGAGTGTCGGAGGGGGAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGATAACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU8714;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9835),c:Gammaproteobacteria(0.9321),o:Legionellales(0.6881),f:Legionellaceae(0.4914),g:Legionella(0.3043);
GTGTCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGGGTTTGTAGGTGGTTGGATAAGTTATCTGTGAAAGCCCCGGGCTCAACCTGGGAAGGTCAGATAAGACTGTTTAACTCGAGTATAGGAGAGGGTAGTGGAATTTCCGGTGTAGCGGTGAAATGCGTAGAGATCGGAAGGAACACCAGTGGCGAAGGCGGCTACCTGGCCAGATACTGACACTGAAAAACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTAGTCCACGCCGTAAACGATGTCAACTAGTTGTTGGTGATATGAATATCATTAGTGACGAAGCTAACGCGATAAGTTGACCGCCTGGGGAGTACGGTCGCAAGATTAAAACTCAAAGGAATTGGCGGGG
>OTU8715;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Ruminococcaceae(0.3544),g:Clostridium_IV(0.0230);
ACGGGAGGCAGCAGTAGGGAATATTGGGCAATGGGCGCAAGTCTGACGCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTAAGAGGGAAGAGCAGAAGACGGTACCTCTAGAATAAGCCACGGCTAACTACGTGGCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTGGTCCGGATTTACTGGGTGTAAAGGGCGTGCAGCCGGGTCTGTAAGTCAGATGTGAAATCCATGGGCTCAACCGATGAGCTGCATTTGAAACTGTAGGTCTTGAGTGCAGGAGGGGCAATCGGAATTCCTCGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGTCGCTAACTGACGCTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU8716;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9604),o:"Bacteroidales"(0.8629),f:"Prevotellaceae"(0.5632),g:Prevotella(0.0904);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGCCCTATGGGCTGTAAACTGCTTTTATACGGGGATAAAGTGGGCCACGTGTGGCTTATTGCAGGTAACGTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTGTTAAGCGATGTGTGAAATGTCTGGGCTTAACCTGGGCACTGCCGCGCGAACTGTCAGACTTGAGTGCGCATGCAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTTGCGTAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU8719;tax=d:Bacteria(0.0076),p:"Actinobacteria"(0.0000),c:Actinobacteria(0.0000),o:Actinomycetales(0.0000),f:Actinomycetaceae(0.0000),g:Actinomyces(0.0000);

AATTCATACGTTCAACCTGCGGTACGTGCTAGAGCGCGACCAACAGGGACGTCGCTAACAGTTTAAAATATACAGTTTGTGATAAAGCTATACGTGTTCATGTAGACAATAAATACAAATCGTTATTTGAGCAGACCATCCAAAATGGGGGCCCTTTCGTCTCGCGCGTTTCGGTGATGACGGTGAAAACCTCTGACACATGCAGCTCCCGGAGACGGTCACAGCTTGTCTGTAAGCGGATGCCGGGAGCAGACAAGCCCGTCAGGGCGCGTCAGCGGGTGTTGGCGGGTGTCGGGGCTGGCTTAACTATGCGGCATCAGAGCAGATTGTACTGAGAGTGCACCATAAAATTGTAAACGTTAATATTTTGTTAAAATTCGCGTTAAAATTCGCGAATT

>OTU8718;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:"Bacteroidia"(0.5579),o:"Bacteroidales"(0.2999),f:"Prevotellaceae"(0.1485),g:Prevotella(0.0230);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAGTGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGTATGGTGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGGGCTTTAAGTCAGGTGTGAAATGTATGGGCTCAACCCGTAAACTGCACTTGAAACTGAGGCTCTTGAGTGAAGTAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8717;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Ruminococcaceae(0.1872),g:Gemmiger(0.0204);

ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGAGGAAGAAGGTTTTCGGATTGTAAACTCCTATCGTTAGGGACGATAATGACGGTACCTAACAAGAAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAAAACGTAGGGTGCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGCGTGTAGCCGGGTCGGCAAGTCAGACGTGAAATCCACGGGCTTAACTCGTGAACTGCATTTGAAACTGTTGATCTTGAGTATCGGAGAGGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCCGTGGCTAAGGCGGCTTGCTGGGCTCTAACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8720;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8448),c:"Bacteroidia"(0.6346),o:"Bacteroidales"(0.3639),f:Bacteroidaceae(0.1291),g:Bacteroides(0.0230);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCGTTTATAAAGGAATAAAGTCGGGTATGGATACCCGCTTGCATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGCGTAAAGGGCGCGTAGACGGCCGAGTAAGTTATAGGTGAAAGCCCATCTTTCAAGGATGGAATTGCCTGTAATACTGCTTGGCTTGAGTGCAGGAGAGGGAAGCGGAATTCCCGGTGTAGCGGTGGAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGGCACCAACTGACGCTGAGGCTCGAAAGTGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU8721;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Lachnospiraceae(0.3884),g:Dorea(0.0904);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGATTGTAAAACTCTGTCTTTAGGGACGATAATGACGGGACCTAAGGCGGAAGCCACGGCTAACTACGTGCCAGCACCCCCGGTAACACGCAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGGTGTGCAAGTCTGAAGTGAAAGGCATGGGCTCAACCTGTGGACTGCATTGGAAACTGTGCAGCTAGAGTGTCGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU8723;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:Flavobacteriia(0.8331),o:"Flavobacteriales"(0.6138),f:Cryomorphaceae(0.3884),g:Wandonia(0.0519);
GTGCCAGCCGCCGCGGTAATACGGAGGGTGCAAGCGTTATCCGGAATCATTGGGTTTAAAGGGTCCGCAGGCGGATTTATAAGTCAGTGGTGAAATCCTGCAGCTCAACTGCAGAACTGCCATTGATACTGTAAGTCTTGAATTTGATCGGAGTGGGCGGAATGTGTAGTGTAGCGGTGAAATGCATAGATATTACACAGAACACCGATAGCGAAGGCAGCTCACTAGGTTATAATTGACGCTCATGGACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTAGTCCACGCCGTAAACGATGATTACTCGTTCTTGACAGCAATGTCAGGGACCAAGCGAAAGTGATAAGTAATCCACCTGGGGGGTACGATCGCAAGGTTGAAACTCAAATGAATTGACGGGG
>OTU8722;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Ruminococcaceae(0.2864),g:Clostridium_IV(0.0326);
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iicoccales(0.0020),f:Methanomassiliicoccaceae(0.0006),g:Methanomassiliicoccus(0.0006);
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172),f:"Rikenellaceae"(0.9015),g:Alistipes(0.8124);

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CTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTGCCCATTGACGTTACCCGCAGA
AGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAGTACGGAGGGTGCAAGCGTGATCCGGATTTACTGGGTGT
AAAGGGAGCGTAGACGGCGATGCAAGTGTGGTGTGAAAGCCCAGGGCTCAACCCTGGGACTGCTTTTGAAACTGGA
TGGCTAGAGTGCTGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACATCAGT
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GTA

>OTU8753;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Lachn
ospiraceae(0.0560),g:Blautia(0.0110);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGGAACCCTGATGCAGCGACGCCGCGTGGGCGATGAAGTA
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GCAGCCGCGGTAATAAGTATGGGGCAAGCGTCATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCCTGGCAA
GCCTGATGTGAAATACCGGGGCCCAACCGCGGGGCTGCATTGGGAACTGCCAGGCTGGAGTGCCGGAGAGGCAGG
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>OTU8752;tax=d:Bacteria(1.0000),p:Firmicutes(0.3448),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Ruminococcaceae(0.0252),g:Clostridium_IV(0.0066);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGCGAGGGAAGAAGGTCTTCGGATTGTAAACCTCTTTCAGCAGGGAAGAAGTAAGTGACGGTACCTGCAGAAGAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGCTATCCGGAATTACTGGGTGTAAAGGGTGTGTAGGCGGGATTGCAAGTCAGGCGTGAAATCATAGGGCTCAACCCGGTGACTGCGCTTGAAACTGTAGTTCTTGAGAGTGGGAGAGGTAAACGGAAGTCCTGGTGTGGTAGTGAAATGCGTAGATATCAGGAGGAACACCGGTGGCGAAGGCGGTTTACTGGACCACAACTGACGCTGAGACACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU8754;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Bacilli(0.5963),o:Lactobacillales(0.3319),f:Lactobacillaceae(0.1679),g:Lactobacillus(0.0423);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTATTGGGCGTAAAGCGCGCGCAGGCGGCCGTGCAAGTCCATCTTAAAAGCGTGGGGCTTAACCCCATGAGGGGATGGAAACTGCAGGGCTGGAGTGTCGGAGGGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCATAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTACTGGACGATAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU8755;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Lachnospiraceae(0.1872),g:Coprococcus(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGGTGAAGAAGTTTTTCGGAATGTAAAGCCCTATCAGCAGGGAAGATAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTTTAAAGGGTGCGCAGGCGGCGCGCCAAGTCAGCGGTCAAAGTTCCGGGCTCAACCCGGTGTCGCCGTTGAAACTGGCGTGCTCGAGTGTCGGAGGGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAGGGCGGCTTACTGGACGATTACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU8757;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Lachnospiraceae(0.4224),g:Blautia(0.2171);
ACGGAAGGCAGCAGTGGGGAATATTGCACGATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAGAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTGTGGCAAGTCTGATGTGAAAGGCATGGGCTCAACCCGTGGACTGCATTGGAAACTGTCATACTGTAGTGGCGGAGGGGTAAGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGTGAAGGCGGCGTACTGGACGGGAACTGACGTTGAGGCTCGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU8759;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Lachnospiraceae(0.6350),g:Blautia(0.3915);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAGACGAGACTGTACCTGCAGAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGATGGACAAGTCTGATGTGAAAGGCTGGGGCTCAACCCCGGGACTGCATTGGAAACTGCCCGTCTTGAGTGCCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAAATACCCTGGTA
>OTU8756;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachnospiraceae(0.4224),g:Clostridium_XlVa(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTGTCAGGGGCGAGTAGAAGACGGTACCTGACGAATAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAACGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCAAGGCAAGTCTGGAGTGAAAGCCCGTGGCCCAACCACGGGACTGCTTTGGAAACTGTGTTGCTGGAGTGCAGGAGGGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTACTGGACTGTAACTGACGTTGAGGCCCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
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ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGGGCAACCCTGATCCAGCGACGCCGCGTGAGTGATGAAGTATTTCGGTATGTAAAGCCCTATCAGCAAAGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTCATCCGTCGGGCGCTAGCGGTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGAGGTGAAAGGCTACGGCTCAACGGTAGTAAGCCGTTGAAACTGGGAAACTTGAGTGCAGGAGAGGAGAGTGGAATGCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCGGCACTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU8760;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Lachnospiraceae(0.4563),g:Eisenbergiella(0.1735);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGTTTTCGGTATGTAAAGCTCTATCATTGGGGAAGAAAATGACGGTACCCGACTAAGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAATGACAAGCCAGATGTGAAAACCCAGGGCTCAACTCGGGGACTGCATTTGGAACTGTCAGGCTGGAGTGCAGGAGAGGTGAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGTAGGAACACCAGTGGCGAAGGCGGCTTACTGAACTGTAACTTACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8763;tax=d:Bacteria(0.0041),p:"Proteobacteria"(0.0000),c:Betaproteobacteria(0.0000),o:Ferrovales(0.0000),f:Ferrovaceae(0.0000),g:Ferrovum(0.0000);

TTCAGCGCCTTCCATGATGAGACCGGCCGTTTGAATGTTGACGGGATGCACCTAATCAGCACTGACGGCAGCAATACCCTCAACCGGAGCATGAACGCGAGGGTATCCTACAAAGTCCAGCGTACCATAAACGCAAGCCTCAACGCAGCGACGAGCACGAGAGCGGTCAGTAGCAATCCAAACTTTGTTACTCGTCAGAAAATCGAAATCATCTTCGGTTAAATCCAAAACGGCAGAAGCCTGAATGAGCTTAATAGAGGCCAAAGCGGGCTGGAAACGTACGGATTGTTCAGTAACTTGAATCATGATGTCTTACCGATTAGTGGTGGAACAGCATCGGACTCA

>OTU8761;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Clostridiaceae_1(0.5991),g:Clostridium_sensu_stricto(0.4351);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGAAGGTCTTCGGATCGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCCGAAGAGGAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTGTAAGTGAGATGTGAAATACCCAGGCTCAACCTGGGAACTGCATTTAAAACTGGAAGTCTAGAGTGCGGGAGAGGAGAGTGGAATTCCTAGTGTAGTGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGACTATCTGGTCTATAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8762;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Clostridiaceae_1(0.1872),g:Clostridium_sensu_stricto(0.0326);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAAGTCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCCGGTTGTAAAGCTCTGTCTTTAGGGACGTTAATTACGGTACCTGTGGAGGTATCCACGGCTAACTACATTCCAGCACGCGCGGTAACATGTCAGCGGCGAGCGTAGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTATTAAGTGCGATGTGAAATACCCGGGCTCAACTTGCGTGCTGCAGTTCGAACTGGAAGTCTAGAGTGCGTGCGAGGAGAATGGAATTCGTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACCCCGGTGGCGAAGGCAGTTCTCTAGACTGTAACTGACGCTGAGGCTCGAAAGCGCGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU8764;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.6899),c:Gammaproteobacteria(0.4045),o:Pasteurellales(0.1719),f:Pasteurellaceae(0.0710),g:Actinobacillus(0.0087);

ACGGAAGGCAGCAGTGGGGAATATTGCACAGTGGGGGGAACCCTGATGCAGCCATGCCGCGTGAATGAAGAAGGCCTTCGGGTTGTAAAGTTCTTTCGGTGAGGAGGAAGGTGTTTGTTTTAATAGAACAAGCAATTGACGTTAGTCACAGAAGAAGCACCGGCTAAACCCGTGCCAGCAGACGCGGTAATACGGAGGATTCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCTGTGCGTCAAGTCAGGGGTGAAATTCCGGGGCTCAACTCCGGTGCTGCCCTTGATACTGTCGCGCTGGAGTTCGGCTGCCGCCGGCGGAATGCGTGGTGTAGCGGTGAAATGCTTCGATATCACTCAGAACACCGATTGCGAAGGCATCTGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA

>OTU8766;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lachnospiraceae(0.3204),g:Clostridium_XlVa(0.0808);

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ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTAAGTGATGACGGC
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252),f:"Prevotellaceae"(0.4563),g:Prevotella(0.0615);
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acteriales"(0.2999),f:Enterobacteriaceae(0.1485),g:Escherichia/Shigella(0.0326);
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520),f:Bacteroidaceae(0.5273),g:Bacteroides(0.3479);
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ococcaceae(0.9387),g:Gemmiger(0.1735);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGAAGCCGCGTGGAGGAAGAAGG
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ospiraceae(0.2864),g:Coprococcus(0.0615);

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8),f:Spirochaetaceae(0.4224),g:Treponema(0.1299);

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483),f:Bacteroidaceae(0.0355),g:Bacteroides(0.0087);

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497),f:Bacteroidaceae(0.6709),g:Bacteroides(0.5239);
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ales"(0.0413),f:Sphingobacteriaceae(0.0099),g:Solitalea(0.0046);
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acterales(0.9063),f:Campylobacteraceae(0.7787),g:Campylobacter(0.6681);
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5),f:Spirochaetaceae(0.5991),g:Treponema(0.3043);
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509),f:Bacteroidaceae(0.2524),g:Bacteroides(0.0712);
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ospiraceae(0.2184),g:Clostridium_XlVa(0.0615);
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diaceae_1(0.4224),g:Clostridium_sensu_stricto(0.1735);
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172),f:Bacteroidaceae(0.5991),g:Bacteroides(0.4351);
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798),f:"Porphyromonadaceae"(0.9759),g:Butyricimonas(0.9743);
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730),f:Bacteroidaceae(0.9015),g:Bacteroides(0.8605);
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730),f:Bacteroidaceae(0.8864),g:Bacteroides(0.8124);
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occaceae(0.0000),g:Enterococcus(0.0000);
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ales"(0.0352),f:Sphingobacteriaceae(0.0086),g:Solitalea(0.0043);
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775),f:Bacteroidaceae(0.9108),g:Bacteroides(0.9085);
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138),f:Bacteroidaceae(0.1485),g:Bacteroides(0.0326);
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2(0.0000),g:Oceanobacillus(0.0000);
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249),f:"Porphyromonadaceae"(0.0457),g:Barnesiella(0.0087);
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352),f:Prolixibacteraceae(0.0086),g:Mariniphaga(0.0043);
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diaceae_1(0.4563),g:Clostridium_sensu_stricto(0.1735);
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9),f:Spirochaetaceae(0.0710),g:Treponema(0.0157);
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ospiraceae(0.5632),g:Blautia(0.2607);
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ionales(0.6509),f:Desulfovibrionaceae(0.2184),g:Bilophila(0.0326);
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72),f:Erysipelotrichaceae(0.9015),g:Turicibacter(0.8605);
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395),f:"Porphyromonadaceae"(0.1679),g:Parabacteroides(0.0423);
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ococcaceae(0.4563),g:Clostridium_IV(0.0519);
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412),f:"Prevotellaceae"(0.5273),g:Prevotella(0.1299);
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acteriales"(0.2999),f:Enterobacteriaceae(0.1485),g:Escherichia/Shigella(0.0326);
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359),f:"Porphyromonadaceae"(0.1098),g:Barnesiella(0.0181);
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252),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0615);
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ospiraceae(0.5273),g:Roseburia(0.1735);
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teriaceae(0.0149),g:Alkalibaculum(0.0066);
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cillaceae(0.9201),g:Lactobacillus(0.9085);
CCTTCCTTCCTCCTTCTTTCCTCTTCCCCCATTTACTCAATTCTAATTTAGCAACTCCTCGTGATTTAAGAAGGTTTTCGG
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cillaceae(0.8146),g:Lactobacillus(0.5239);
ACGGGAGGCAGCAGTAGGGAATATTCCACAATGGGCGCAAGCCTGATGGGGCAACACTGCGTGAGTGAAGAAGGG
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606),f:Bacteroidaceae(0.6709),g:Bacteroides(0.5239);
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412),f:"Prevotellaceae"(0.4563),g:Prevotella(0.0712);
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0.0000),f:Micrococcaceae(0.0000),g:Kocuria(0.0000);
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cillaceae(0.0252),g:Lactobacillus(0.0076);
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cillaceae(0.8146),g:Lactobacillus(0.5720);
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acteriales"(0.8520),f:Enterobacteriaceae(0.7068),g:Escherichia/Shigella(0.3479);
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occaceae(0.3544),g:Enterococcus(0.0904);
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639),f:Bacteroidaceae(0.1098),g:Bacteroides(0.0204);
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483),f:Bacteroidaceae(0.0355),g:Bacteroides(0.0087);
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cillaceae(0.8864),g:Lactobacillus(0.4787);
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39),f:Erysipelotrichaceae(0.1872),g:Turicibacter(0.0519);

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ospiraceae(0.1485),g:Clostridium_XlVa(0.0230);
ACGGGAGGCAGCAGTAGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
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CCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTTGAT
CAAGTCTGATGTGAAAGCCCGGGGCTCAACTCCGGGACTGCATTGGAAACTGAACAGCTGGAGTGCAGGAGAGGTA
AGTGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACATCAGTGGCGAAGGCGACTTACTGGACG
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0.0000),f:Flavobacteriaceae(0.0000),g:Flavobacterium(0.0000);
GTGAATCATCGAATCTTTGAACGCACATTGCGCCCCATGGTATTCCATGGGGCATGCCTGTTCGAGCGTCATTTGTAC
CCTCAAGCTTTGCTTGGTGTTGGGCGTCTTGTCTGTTTATTCAGACTCGCCTTAAAGTCATTGGCAGCCAGTGTTTTTG
GTAGTAAGCGCAGCACATTTTGCGTCTTCCTTTCTAAACCGCGGCATCCACCAAGCCTTTTTTCACTTTTGACCTCGGAT
CAGGTAGGGATACCCGCTGAACTTAAGCATATCAATAAGCGGAGGA
>OTU8887;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Clostri
diaceae_1(0.4224),g:Clostridium_sensu_stricto(0.2171);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
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>OTU8888;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Clostri
diaceae_1(0.5273),g:Clostridium_sensu_stricto(0.3479);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGGTGAAGGT
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GGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTA
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>OTU8889;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Bacilli(0.2902),o:Bacillales(0.1249),f:Paenibacillaceae_1(0.0457),g:Cohnella(0.0110);

ACGGGAGGCAGCAGTGGGGGATATCGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGCCCTACGGGTTGTAAACCTCGTTTGCTGGGGAGCAACGCTGCGGACGCGTCCGCAGGTGAGAGTACCCGGAGAAAAAGCATCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCCGTTAAGTCTGGAGTGAAAGTCCTGCTTTCAAGGTGGGAATTGCTTTGGATACTGATGGGCTGGAGTGCAGGAGGGGAAAGCGGAATTACCGGTGTAGCGGTGAAATGCGTAGAGATCGGTAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGAAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8891;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Lachnospiraceae(0.1291),g:Lachnospiracea_incertae_sedis(0.0204);

ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGTTTTCGGATTGTAAACCTCTGTTCTAAGTGACGAAGAATGACGGTAGCTTAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGAGAAGCAAGCCAGATGTGAAAGCCCGGGGCTCAACCCCGGGACTGCATTTGGAACTGTAATGCTAGAGTGTCGGAGAGGCAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAGCACCTGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8892;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Peptostreptococcaceae(0.0904),g:Peptostreptococcus(0.0181);

ACGGGAGGCAGCAGTAGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTTTGTCCTATGTGACGAAGGAAGTGACGGTAGCATAGGAGGAAGCCCCGGCTAACTACGTGCCCGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATTATTGGGCGTAAAGAGTGCGTAGGTGGTCCATCAAGTCGGTGGTTAAAGGCTACGGCTCAACCGTAGTAAGCCTCCGAAACTGTTGGACTTGAGTGCAGGAGAGGAAAGTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGAAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8894;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9791),o:Clostridiales(0.9730),f:Clostridiaceae_1(0.7787),g:Clostridium_sensu_stricto(0.5239);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTGTTCAGGGACGATCATGACGGTACCTGAGAAGGACACCACGGCTAACTCCATGCCAGCAGCCGCGGTAATATGTGGGTGTCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAAGTGAGATGTGAAATACCCGGGCTCAACTCGGGTGCTGCATCTGAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAATGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTATCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8893;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Ruminococcaceae(0.1485),g:Anaerotruncus(0.0230);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGTTTTCGGATTGTAAACCTCTGTTCTAAGTGACGAAGAATGACGGTAGCTTAGGAGGAAGCCCGGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGAGAAGCAAGTCAGTGGTGAAAGGTATGGGCTTAACCCATGTTAGCCCCCTGAACTGGGCTACTTGAGTGCAGGAGAGGAAAGCGGAATTCCGTGTGTAGCGGTGAAATGCGTAGATATACGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACAATAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU8895;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.5174),c:Deltaproteobacteria(0.2902),o:Desulfovibrionales(0.1249),f:Desulfovibrionaceae(0.0457),g:Bilophila(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGTTCTCGGATCGTAAACCTCTGTCAGGGGGGAAGAAACCCCCTCGTGTGAATAATGCGAGGGCTTGACGGTACCCCCAAAGGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATGACTGGGCGTAAAGGGTGTGTAGGCGGTTTGGCAAGTTGGGAGTGAAATACCTAGGGCTTAACCCAGGTGCTGCTTTCAAAACTGTTAGACTTGAGTGCAGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTAAGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU8896;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Eubacteriaceae(0.1291),g:Eubacterium(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGTTTTCGGATTGTAAACCTCTGTTTTCGGTGACGAACAAATGACGGTAACCGAGTAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGATAGCAAGTCAGCTGTGAAAGCGATGGGCTCAAGCTATAAACTGAAGTGGAAACTGTGAGGCTTGAGTGGAGGAGAGGCAAGTGGAATTCCGAGTGTAGCGGTGAAATGCGTAGAGATTCGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTCTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU8899;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Ruminococcaceae(0.0355),g:Cellulosibacter(0.0087);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGGAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCCTAAGGGACGAAGGAAGTGCGGGTACCTACGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTGGGGGGCGAACGTTGTCCGGAATGACTGGGCGTAAAGGGCGCGTAGGCGGCTTGATAAGTTAGAAGTGAAAGTCCTGCTGTCAAGGTGGGAATTGCTTTTAATACTGTTGTGCTTGAGTGCAGAAGAGGTAAGCGGAATTCCAAGTGTAGCGGCGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGGATTACTGGGCTGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU8900;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Ruminococcaceae(0.7068),g:Clostridium_IV(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGAACCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAAATTCTTTTAAGAGGGACGAAAGAAATGACGGTACCGCTTGAATAAGCCAAGGCTAACTACGAGGAAGCAGCCGCGGTAATACGTAGGTGGCAAGAGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGATTGCAAGTCAGATGTGAAAACTATGGGCTCAACTCATAGCCTGCATTTGAAACTGTCGTTCTTGAGTGCTGGAGAGGCAATCGGAATTCCGTGTGTAGCGGTGAAATGCTTAGATATACGGAGGAACACCAGTGGCGAAGGCGGATTGCTGTACAGTTACTGACGCTGAGGCTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU8897;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Ruminococcaceae(0.0355),g:Intestinimonas(0.0087);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGTAAACTTCTTTTAAGAGGGACGAAGGACGTGACGGTACCTCTTGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCGGGTAAGTCTGGAGGGAAAGTCCTGTTTTCAAGGTTGGAAGTGCTTTGGATACGTTCGGGGTGGAGGGCAGGAGAGGTAAGGGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGGGGCGAAGGCGGCTTACGGGACTGTAACTGACGCGGAGGCGGGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGTA
>OTU8898;tax=d:Bacteria(0.9450),p:Firmicutes(0.1905),c:Clostridia(0.0626),o:Clostridiales(0.0413),f:Lachnospiraceae(0.0086),g:Syntrophococcus(0.0043);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATCGAGCAACACCGCGTGAGTGATGAAGGGTCTCGGCTCGTAAAGCTCTGTTTTTAGAGAAGAACGTTCGTGCGAGCAACTGTTCTCGCATTGACGGTATCAATCCAGAAAGTCTCGGCTAACTACGTCCCCCCCGCCACGGTAATACGTACGTGGCATGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGTGCAGCCGGGTATGCAAGTCAGATGTGAAATCCAGGGGCTCAACCCATGAACTGCAGTGGGAACTGTAGATCTTGAGTGTCGGAGGGGCAGTCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCAGCTTGCTGGACGATAACTGACGGTGAAGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU8901;tax=d:Bacteria(0.9827),p:"Bacteroidetes"(0.4311),c:Sphingobacteriia(0.0525),o:"Sphingobacteriales"(0.0352),f:Sphingobacteriaceae(0.0086),g:Solitalea(0.0043);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTTCGGGAAGGAGGCCCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACCAGGGGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCTGTGCGTCAAGGCAGGGGGGAAAGTCCGGGGGTCAACGGCGGGGGTGCCGGTGATACTGTCGGGATGGAGTGCGGATGGCGGCGGAGGAAGGAGGGGTGGAGGGGTGAAATGCTTAGATATCACTAAGAACAACGATTGGGAAGGCATCTGGCGAATCCGTAAATGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA

>OTU8903;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Rumin
ococcaceae(0.5991),g:Intestinimonas(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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015),f:"Porphyromonadaceae"(0.0252),g:Parabacteroides(0.0076);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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>OTU8904;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Pepto
streptococcaceae(0.1679),g:Clostridium_XI(0.0423);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
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>OTU8906;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.9
063),f:"Prevotellaceae"(0.7068),g:Prevotella(0.3479);
ACGGGAGGCAGCAGTGAGGAACATTGGTCAATGGACGGGAGTCCGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCCGTCTTATAAGCGGGTTGTGAAATGTCGGAGCTAAACCTGGGAATTGCAGCGGGAACTGGGAAACTA
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>OTU8907;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Bacilli(0.9856),o:Lactobacillales(0.9063),f:Lactobacillaceae(0.7787),g:Lactobacillus(0.3915);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGACCGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTAGTAAAGCTCTGTTGTTAGAGGAGAACGTGAGTGAGAGCAACTGTTCACGCAGAGACGTGATCTAGCCAGAAAGACAAGGTTAACTACGTGCCAGCAAGCGCGGTAGTAAGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTGATAAGTCTGATGTGAAAGCCTTTGGCTGAACCAATGAAGTGCATCGGAAACTGTCAGTCTTGAGTGCACACGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCTTAGATATATGGTAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU8905;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Bacilli(0.9719),o:Lactobacillales(0.8629),f:Lactobacillaceae(0.6350),g:Lactobacillus(0.3479);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCCGATGGAGCAACGCCGCGTGAGTGAAGAAGGTCTTCGGATTGTAAAACTCTGTTGTTAGAGAAGAACACGAGTGAGAGTAACTGTTCATTCGATGACGGTATCTAACCAGCAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGGGAACGCAGGCAGTCTTTTAAGTCTTATGTGAAAGCCTTCTGCTTAACCGGAGTAGGTCATTTGAAACTGGAAGACTTGAGTGCATAAGAGGAGAGTGGAACTCCATGTGTGGCGGTGAAATGCGCTGATATATGTAAGAACACCAGTGGCGAAGGCGGCTCTCTTGTCTGCAACTGACGCTTAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU8908;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.9389),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGCAGCGTGAAGGATGACTGCCTTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGGATACCCGATTGCACGTACTTTATGAATAAGGATCGGCTAACTCTGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGATGTTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAGAATTGCAGTTGATACTGGATATCTTGAGTGCAGTTGAGGCAAGCGGAATTCGTGGTGTAGTGGTGAAATGCTTAGATATCAGGAAGAACACCGATTGCGAAGGCGGCCTGCTAGGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU8909;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9882),o:Lactobacillales(0.8846),f:Lactobacillaceae(0.7428),g:Lactobacillus(0.5239);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAATGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCACTGTTGTTAGTGAAGAAGGATAGAGGTAGTAACTTGTCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTTCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGATAGATAAGTCGCACGTGAAAGCCCTCGGCTTAACCTGGGAACTGCATCGAAAACTGTTTGTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGAAAGAACACCAGTGGCGAAGGCGACTCTCTGGTCTGCAACTGACACTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU8910;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9762),o:"Bacteroidales"(0.9497),f:"Prevotellaceae"(0.9108),g:Prevotella(0.6200);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTGGATAGGGGGATAAAGGACGACACGTGTGGCATATTGCAGGTACCCCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAACACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGCGCGTAGGCCGTCTTATAAGCGTGTCGTGAAATGTCCGGGCTTAACCTGGGCATTGCATCGCGAACTGTGAGACTTGAGTGCGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATTCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU8911;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9604),o:"Bacteroidales"(0.8629),f:Bacteroidaceae(0.5273),g:Bacteroides(0.3479);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGACTGAACCAGCCAAGTAGCGTGCAGGATGAAGGCTCTATGGATCGTAAACTTCTTTTATATAAGAATAATGTGCAGTATGTATACTTTGTTGTATGTATTCTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGTGGACTGGTAAGTCAGTTGTGAAAGTTTGCGGCTCAACGGTGAAATTGCAGTTGATACTGGATATCTTGAGTGCAGTTGCGGCAGGCGGAATGCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTAAGCTGAAATTGACATTGAGGCTCGAAAGTGTGGGTATCAAGCAGGATTAGATACCCTGGTA

>OTU8913;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:"Bacteroidia"(0.1740),o:"Bacteroidales"(0.0781),f:Bacteroidaceae(0.0113),g:Bacteroides(0.0056);

ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATGCCGCGTGAAGGACTAAGGCCCTATGGGCTGTAAACTTCTTTAGACGCAGAGCAATAAGGGCCACGCGTGGTCCGATGAGAGTATGCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGCAGGCGGACTCGTCGAGTCAGCGGTAAAAATTCGGGGCTCAACCCCGTCCTGCCGTTGAAACTGCGAGACTGGAGTGCGACAGAGGAAGGCGGAATGCGAGGTGTAGCGGTGAAATGCATAGATATCGCGCAGAACTCCGATTGCGAGGGCAGCTCACTGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU8914;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Clostridiaceae_1(0.2524),g:Clostridium_sensu_stricto(0.0712);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGTTTTCGGATCGTAAAGCTCTGTCTTTGGGGAAGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGCCTGCAAGTCAGGTGTGAAATTCCAGGGCTCAACCCTGGAACTGCACTTGAAACTGTGGGTCTTGAGTGATGGAGAGGCGGGCGGAATTCCGTGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGGCGAAGGCGGCCCCCTGGACGAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8912;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Rumin
ococcaceae(0.1098),g:Clostridium_IV(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAAGGATGAAGTA
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GCGTAGGCGGGGATGCAAGTCAGATGTGAAATCTATGGGCTTAACCCATAAACTGCATTTGAAACTGTATCTCTTGA
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>OTU8915;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9776),o:"Bacteroidales"(0.9
685),f:Bacteroidaceae(0.9015),g:Bacteroides(0.8605);
ACGGGAGGCAGCAGTGAGGAATATTGGCCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGAAGGAAGACTGC
CCTATGGGTTGTAAACTTCTTTTATATGGGAATAAAGTTATCCACGTGTGGAATTTTGTATGTACCATATGAATAAGGA
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CGTAGGTGGACTGTTAAGTCTGTTGTGAAATTTTTCGGCTCAACCTTGAAATTGCAGTTGCTACTGGCTGTCTTGAGTA
CAGTAGAGGTGGGCGGAATTCGTTGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAG
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>OTU8916;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9913),o:Lactobacillales(0.9707),f:Lactoba
cillaceae(0.9387),g:Lactobacillus(0.9085);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
TTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAG
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AGCGAGCGCAGGCGGAAAAATAAGTCTATGGTGAAGGCCCTGGGCATAACCGAGGAACGGCATCGGAAACTGTTTT
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>OTU8918;tax=d:Bacteria(0.0041),p:Firmicutes(0.0000),c:Negativicutes(0.0000),o:Selenomonadales(0.000
0),f:Veillonellaceae(0.0000),g:Dialister(0.0000);
CCCTTTCTCCCCCCCCATTCAACCAACATAAACATTATTGCCTGGCGTACGGGGAAGGACGTCAATAGTCACACAGTCC
TTGACGGTATAATAACCACCATCATGGCGACCATCCAAAGGATAAACATCATAGGCAGTCGGGCGGGTAGTCGGAAC
CGAAGAAGACTCAAAGCGAACCAAACAGGCAAAAAATTTAGGGTCGGCATCAAAAGCAATATCAGCACCAACAGAA
ACAACCTGATTAGCGGCGTTGACAGATGTATCCATCTGAATGCAATGAAGAAAGCCAACATTACCAGCATTAACCGTC
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>OTU8917;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9726),o:"Bacteroidales"(0.8955),f:"Prevotellaceae"(0.5991),g:Prevotella(0.3915);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGCGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGCCCTATGGGTTGTAAACTGCTTTTATAAGGGAATAAAGTGCGTTTCGTGTGCCTTTTTGCATGTACTTTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGGATGTTAAGTGTGTTGTGAAATGTAGACGCTCAACGTCAGAATTGCAGTGGGAACTGTCAGTCTTGAGTACAGACAAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTTACTAGGCCGCAACTGACGCTGAAGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU8919;tax=d:Bacteria(0.0041),p:"Verrucomicrobia"(0.0000),c:Spartobacteria(0.0000),g:Spartobacteria_genera_incertae_sedis(0.0000);

TCTGATGAGTCGAACAATTATCTTGATAAAGCCGGACTTACTACTGCTTGTTTACGAATTACCTCGAAGTGGACTGCTGGCGGAAAATGAGAAAATTCGACCTATCCTTGCGCAGCTCGAGAAGCTCTTACTTTGCGACCTTTCGCCATCAACTAACGATTCTGTCAAAAACTGACGCGTTGGATGAGGAGAAGTGGCTTAATATGCGTGGCACGTTCGTCAAGGACTGGTTTAGATATGAGTCACATTTTGTTCATGGTAGAGATGCGCTTGGTGACATTTTAAAAGAGCGTGGATTACTATCTGAGTCCGAGGCTGTGCAACCACTAATAGGGAAGAAATC

>OTU8921;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9887),o:"Bacteroidales"(0.9938),f:Bacteroidaceae(0.9108),g:Bacteroides(0.9085);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTTAACCAGCCAAGTATCTTTAAGGATTACTGCCCTATGGGTTGTAAACTTCTTTTATATGGGAATAAAGTTTTCCACGTGTGGAATTTTGTATGTACCATATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACAGTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATAATGGCTGTCTTGAGTACAGTAGAGGTGGGCGGAATTCGTGGCGTAGGGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGAAGCTCACTGGACTGCAACGGACACTGAGGCTCGAAAGTGGGGGGATCAAACAGGATTAGAGACCCTGGA

>OTU8920;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Bacilli(0.7881),o:Lactobacillales(0.5023),f:Lactobacillaceae(0.2524),g:Lactobacillus(0.0712);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTAGAGAAGAACGTGCGTGAGAGCAACTGTTCACGCAGTGACGGTATCTAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGTGTAAAGGGTGGGTAGGCGGAAGTGCAAGTCAGCGGTGAAATCCCCGCGCTCAACGCGGGAGTTGCCGTTGATACTGTACAGCTCGAGTGTCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATGACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8923;tax=d:Bacteria(1.0000),p:Firmicutes(0.9994),c:Bacilli(0.9897),o:Lactobacillales(0.9685),f:Lactobacillaceae(0.9201),g:Lactobacillus(0.8124);
ACGGAAGGCAGCAGTAGGAAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGAGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTAGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCCTCGGCTTAACCGAGGAACTGCATCGGAAACTGTTTTTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGTAAGAACACCAGGGGCGCACCCGGATCTATGCTCTGCCACTGCCCCTGACTCTCGAAAGCATCGGTAGGCAACAGGATTAGATACCCTGGTA
>OTU8922;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9762),o:Clostridiales(0.9497),f:Eubacteriaceae(0.8864),g:Eubacterium(0.8124);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCAACGCCGCGTGAAGGAAGACGGTTTTCGGATTGTAAACTTCTGTTCTTAGTGAAGAATAATGACGGTAGCTAAGGAGCAAGCCACGGCCAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGTGATCAAGTCAGCTGTGAAAACTACGGGCTTAACCCGTAGACTGCAGTTGAAACTGTTCATCTTGAGTGAAGTAGAGGTTGGCGGAATTCCGAGTGTAGCGGTGAAATGCGCAGATATTCGGAGGAACACCGGTGGCGAAGGCGGCCAACTGGGCTTTAACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU8927;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8267),c:Cytophagia(0.1740),o:Cytophagales(0.0781),f:Cytophagaceae(0.0252),g:Cytophaga(0.0076);
GTGCCAGCCGCCGCGGTAAGACGAAGGATGCAAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCGGACTTGTAAGTCAGTGGTGAAATCTCTTTGCTTAACAAAGAAACTGCCATTGATACTGCAGGTCTAGAGTATAGATGACGTTGGCGGAATATGACATGTAGTGGTGAAATACTTAGATATGTCATAGAACACCGATTGCGAAGGCAGCTAACGAAACTATAACTGACGCTGAGGCACGAAAGTGCGGGGATCAAACAGGATTAGATACCCTGGTAGTCCGCACCGTAAACGATGATTACTCGTTGTTGGCGATATGACAGTCAGCGACCAAGCGAAAGCGATAAGTAATCCACCTGGGGAGTACGCCGGCAACGGTGAAACTCAAAGGAATTGGCGGGG
>OTU8925;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9605),c:"Bacteroidia"(0.8048),o:"Bacteroidales"(0.5395),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0615);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTCGCGTGCAGGATTACGGCCCTATGGGTCGTAAACTTCTTTTGTGGTGGGGCAATGTGTGCCACGTGTGGCATGTTGCGGGTACACCATGAATAAGCACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTTATAAGCGTGCTGTGAAATGTCGGGGCTTAACGCGGGAACTGCAGTGGGAACTGTGGGACTGGAATGCGGAGGAAGTAGGAGGAATTCGTCGTGTAGCGGTGAAATGCATAGATATTACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGTAACTGACGCTGAAGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU8924;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Lachnospiraceae(0.4224),g:Clostridium_XlVa(0.1735);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCTGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTACGTAAAGCTCTATCAGCAGGGAAGAAGAAGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGAGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTTGACCAAGTCTGATGTGAAAGCCCGGGGCTCAACCCCGGGACTGCATTGGAAACTGATTAGCTAGAGGGCAGGAGAGGTAAGTGGAATTCCGAGTGTAACGATGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU8926;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8628),c:"Bacteroidia"(0.2321),o:"Bacteroidales"(0.1015),f:Marinilabiliaceae(0.0355),g:Mangroviflexus(0.0087);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGAAAGACTGAACCAGCCATGTCGCGTGCAGGAAGGCGGTCCTATGGATTGTAAACTGCTTTTTTCCGGGAATAATATGACTTTTGCGAAGCTTGATGCAGGTACCCTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATTCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTTAGATAAGGTGGAGGGTAAAGGATTCGGCTCAACAGGAGTTTGCGTTGAAAACTGTCTGACTAGGATGTAAACGGCGCAGGCGGAATGAATCATGTAGCGGTGAAATGCATAGATATGATTCAGAACACCGATCGCGAAGGCAGCTTGCGAGGATACGATTGACGCTGAAGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU8931;tax=d:Bacteria(0.0093),p:"Proteobacteria"(0.0032),c:Epsilonproteobacteria(0.0000),o:Campylobacterales(0.0000),f:Helicobacteraceae(0.0000),g:Helicobacter(0.0000);
CTTGGTCATTTAGAGGAAGTAAAAGTCGTAACAAGGTTTCCGTAGGTGAACCTGCGGAAGGATCATTATTGAAAACAAGGGTGTCCAATTTAACTTGGAACCCGAACTTCTCAATTCTAACTTTGTGCATCTGTATTATGGCGAGCAGTCTTCGGATTGTGAGCCTTCACTTATAAACACTAGTCTATGAATGTAAAATTTTTATAACAAATAAAAACTTTCAACAACGGATATCTCGGCTCTCGCATCGATGAAGAACGCAGC
>OTU8928;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Lachnospiraceae(0.5273),g:Clostridium_XlVb(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGAAGTATTTCGGTATGTAAACTTCTATCAACAGGGAAGAAAGAAATGACGGTACCTGGCTAAGAAGAACCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGGTTCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGAGTAGGCGGTTATGCAAGTCACATGTGAAATGTCGGGGCTCAACTCCGGCCTGCATGAGAAACTGTATAACTAGAGTGCAGGAGAGGTAAGCGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTGGGAAGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTTACTGACGCTGAGTCACGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU8929;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Peptostreptococcaceae(0.0252),g:Acetoanaerobium(0.0066);

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>OTU8930;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Erysipelotrichia(0.5579),o:Erysipelotrichales(0.29
99),f:Erysipelotrichaceae(0.1485),g:Turicibacter(0.0326);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGGAGGAAGAAGGT
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>OTU8933;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Rumin
ococcaceae(0.1485),g:Oscillibacter(0.0134);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGTGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGACGGC
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diaceae_1(0.4563),g:Clostridium_sensu_stricto(0.1735);
ACGGAAGGCAGCAGTGGGGAATATTGGACAATGGGGGAAAGCCTGATCCAGCAACGCCGCGTGAGTGATGACGGC
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>OTU8935;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Rumin
ococcaceae(0.2184),g:Ruminococcus(0.0519);

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diaceae_1(0.2184),g:Clostridium_sensu_stricto(0.0519);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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ospiraceae(0.5273),g:Lachnospiracea_incertae_sedis(0.1299);
AGGGAAGGAAGAAGAGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGT
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ococcaceae(0.7068),g:Gemmiger(0.0904);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAACCCTGATGCAGCGACGCCGCGTGGAGGAAGAAGGT
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GCAGCCGCGGCAAAACGTAGGGGGCAAGCGTCGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGCCCGGCA
AGTTGGAAGTGAAATCTATGGGCTCAACCCATAAATTGCTTTCAAAACTGCTGGCCTTGAGTAGTGCAGAGGTAGGT
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diaceae_1(0.5991),g:Clostridium_sensu_stricto(0.3043);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAAACCTGATGCAACAACGCCGCGTGAGTTATGAAGGC
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AACAACCCCGGTAATACCGAGGGGGCGAGGGTTGTCCGGATTTACTGGGGGTAAAGGGAGCGTAGGCGGACTTTTA
AGTGAGATGTGAAATACCCGGGCTCAACTTGGGCGCTGCATTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAA
TGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGT
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>OTU8939;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Peptostreptococcaceae(0.0710),g:Clostridium_XI(0.0157);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTATGGGTTGTAAACTGCTTTTAGGCGGGGGTAAAGGGGCGGACGTGTTCCGCCTTTGCAAGTACCGCCAGAAAAA
GGGCCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGG
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>OTU8940;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Ruminococcaceae(0.1291),g:Gemmiger(0.0230);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGAGGAAGAAGG
TTTTCGGATTGTAAACTCCTGTCGTTAGGGACGATAATGACGGTACCTAACAAGAAAGCACCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGCAGGCGGGACTGCAA
GTTGGATGTGAAATACCGGGGCTTAACCCCGGAGCTGCATCCAAAACTGTGGTTCTTGAGTGGAGTAGAGGTAAGC
GGAATTCCGAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTA
ACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU8941;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Ruminococcaceae(0.1679),g:Ruminococcus(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCGATGCCGCGTGGAGGAAGAAGGT
TTTCGGATTGTAAACTCCTCTCTTAAGGGACGATAATGACGGTACCTTAGGAGGAAGCTCCGGCTAACTACGTGCCAG
CAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGGTGCAA
GTCTGAAGTGAAATCCCGGGGCTCAACCCCGGTGCTGCTTTGGAAACTGTACTGCTAGAGTGCTGGAGAGGTAAGTG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATGA
CTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU8942;tax=d:Bacteria(0.8319),p:Firmicutes(0.1508),c:Clostridia(0.0525),o:Clostridiales(0.0352),f:Lachnospiraceae(0.0059),g:Parasporobacterium(0.0035);

ACGGGAGGCAGCAGTCGGGAATATTGGGCAATGGAGGAAACTCTGACCCAGCAATACCGCGTGAAGGACGAAGGT
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CAGCAGCCGCGGTGATACATAGGGGGCAAGCGTTGTCCGGAATGACTGGGTGTAAAGGGTGTGTAGGTGGCTTTTT
AAGTTAGAGGTGAAAGCCCGGGGCTTAACTCCGGAACTGCCTTTAAAACTGGATGGCTTGAGTGTGGGAGAGGTTA
GTGGAACTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAAGAACATCAGAGGCGAAGGCGACTAACTGGAACA
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>OTU8943;tax=d:Archaea(0.0024),p:"Euryarchaeota"(0.0000),c:Methanobacteria(0.0000),o:Methanobacte
riales(0.0000),f:Methanobacteriaceae(0.0000),g:Methanobrevibacter(0.0000);

TTCTTCCTTTCTTTTCTTTCTCTCCTTTTTCTCTTTCTTTTGCCTGCCATCAGGCTGCTTCTGACGTTCGTGATGAGTTTGT
ATCTGTTACTGAGAAGTTAATGGATGAATTGGCACAATGCTACAATGTGCTCCCCCAACTTGATATTAATAACACTATA
GACCACCGCCCCGAAGGGGACGAAAAATGGTTTTTAGAGAACGAGAAGACGGTTACGCAGTTTTGCCGCAAGCTGG
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>OTU8946;tax=d:Bacteria(0.0014),p:"Aquificae"(0.0000),c:Aquificae(0.0000),o:Desulfurobacteriales(0.0000
),f:Desulfurobacteriaceae(0.0000),g:Desulfurobacterium(0.0000);

TTTCCCCCTCCTTCCCCTTCTTTTTCCCTCTCTTTCCCTGGCTTCTCTTTCTTACACGCCGACCAACATTAGGGTCAACGAT
ACCTGTAGGAAGTGTCCGCATAAAGTGCACCGCATGGAAATGAAGACGGCCATTAGCTGTACCATACTCAGGCACAC
AAAAATACTGATAGCAGTCGGCGTGTGAATCATTAGCCTTGCGACCCTCGGCAGCAAGAACCATACGACCAATATCA
CGAAAATAGTAACGCAAAGCATGGGGATTATCATAAAACGCCTCGAATCGGGCGTCAGCCAACGTGAGAGTGTCAA
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>OTU8944;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9711),o:Clostridiales(0.8412),f:Pepto
streptococcaceae(0.3204),g:Clostridium_XI(0.0904);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
CTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGTGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAG
TCAGAGGTGAAAGGCTACGGCTCAACTGTAGGAAGGCTTTGAAAATGGGAAACTTGAGGGCAGGAGAGGGGAGTG
GAATTCCCGGTGTAGCGGTGAAATGGGTAGAAAATAGGAGGAAAACCAGTTGCGAAGGCGGCTCTCTGGACTGTAA
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>OTU8945;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:"Bacteroidia"(0.2321),o:"Bacteroidales"(0.1
015),f:"Porphyromonadaceae"(0.0252),g:Barnesiella(0.0076);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGC
CCTACGGGTCGTAAACTTCTTTTGTCGCAGAGCAATAAGGTCCACGCGTGGACCGATGTGTGTATGCGTAGAATAAG

CATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGG
TGCGTAGGCGGCAGAGTAAGTCAGCGGTGAAAGGCGGGGGCTCAACCCTGGAAGTGCAGTTGATACTGGTTGGCTT
GAGTGATCCCGCGGCGGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCACGAAGAACACCGATTGCGAA
GGCAGCGCGCGAGGGGTCAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU8948;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.9
280),f:Bacteroidaceae(0.5991),g:Bacteroides(0.4351);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACGGC
CCTATGGATTGTAAACTTCTTTTATATGGGAATAAAGTGCAGTATGTATCCTGTTTTGTATGTACCGTATGAATAAGGA
TCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGTAGGCGGTTGTTTAAGTCAGTTGTGAAATGTTGCGGCTCAACCTTAAAACTGCAGTTGGTACTGGGCGTCCTGAGT
ACGGTAGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCA
GCCTGCTGTACTGTCATTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU8950;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9827),o:"Bacteroidales"(0.9
843),f:Bacteroidaceae(0.9294),g:Bacteroides(0.9686);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGC
TCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTATGTATACTGTTTTGTATGTATTATATGAATAAGGA
TCGGATAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGTAGGTGGACTGGTAAGTCATTTGTAAAAGTTTGCGGCTAAACCGTAAAATTGCAGTTGATAATGGCAGTCATGAG
TACAGTAGAGGTGGGCGGAATTCGTGGTGCAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGAGGGAGAAGG
CAGCTCACTTGACTGCAACTGACACTGATGCGCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU8949;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Clostri
diaceae_1(0.5991),g:Clostridium_sensu_stricto(0.3915);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
TTTCGGATCGTAAAGCTCTGTCTTTGGGGAAGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAA
GTGGGATGTGAAATACCCGGGCTCAACCTGGGTGCTGCATTCCGAACTGGTTACCTAGAGTGCATGAGACGTGAGTG
GAATTCCTGGTGTAGCGGTGAAATGCGTAGAGATTACGAAGAACACCGGTGGCGAAGGCGACTCACGAGACTGTAA
CTGACGCTAAGGCTCGAAAGTGCGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU8947;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.8808),c:Gammaproteobacteria(0.7114),o:"Enterob
acteriales"(0.3959),f:Enterobacteriaceae(0.2184),g:Escherichia/Shigella(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
CTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTGCTCATTGACGTTACCCGCAGA
AGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTA

AAGGGAGCGTAGATGGATGTTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGATA
TCTTGAGTGCAGTTGAGGCAGGCGGAATTCCCTGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGG
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>OTU8952;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Lachn
ospiraceae(0.1098),g:Clostridium_XlVa(0.0204);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAACGG
TCTATGGCCTGTAAACCTCTTTTGTCAGGGAAGAATAAGGATGACGAGTCATTCGATGCCAGTACCTGACGAATAAGC
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGG
AGCGTAGACGGCGAAGCAAGTCTGACGTGAAAACCCAGGGCTCAACCCTGGGACTGCTTTGGAAACTGTTTTGCTAG
AGTGTCGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAGATGCGTAGATATTAGGAGGAACACCAGTGGCGAA
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>OTU8953;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Clostri
diales_Incertae_Sedis_XII(0.0457),g:Acidaminobacter(0.0110);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAAACCTGACCCAGCAACGCCGGTTTAGGGAAGAAGGT
TTTCGGATTGTAAACCTCTGTCCTTAGGGACGAAGAAAGTGACGGTACCTAAGGAGGAAGCTCCGGCCAACTACGTG
CCAGCAACCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGAATTACTGGGCGTAAAGGGTGCGTAGGGGGTTTGT
CAAGTCGAACTTGAAATACCGGGGCTCAAACCCGGGGCTGCATTCGAAACTGGCAGACTTGAGTGCAGGAGAGGAA
AGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGTAGGAACGCCGGTGGGGAAGCCGGCTTTCTGGACT
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>OTU8955;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9805),o:"Bacteroidales"(0.9
775),f:Bacteroidaceae(0.9015),g:Bacteroides(0.8605);

ACGGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGG
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GCGTAGGTGGACTGGTAAGTCAGTTGTGAAAGTTTGCTGCTCAACCGTAAAATTGCAGTTGATACTGGCAGTCTTGAT
TACAGTAGAGGTGGGCTGAATTCTTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTTCGAAGGCA
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>OTU8956;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.9
063),f:"Rikenellaceae"(0.8864),g:Alistipes(0.8124);

CCTTTCTTCCTCCTTTCTTCCTCTTTTTCCCTTTCCTCCCGTCTACACCCTCCATGCCGCGTGCAGGAAGACGGCTCTATG
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GGCGGTTTGATAAGTTAGAGGTGAAATACCGGGGCTCAACGCCGGAACCGCCTCGAATACTGTTGAGCTAGAGAGT
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>OTU8951;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Rumin
ococcaceae(0.1485),g:Ruminococcus(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGGAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGGT
TTTCGGATCGTAAACCTCTGTCTTTGGGGACGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGTGGTAAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGTGCAGGCGGGACATCAA
GTCAGCTGTGAAAATTATGGGCTCAACCCATAAACTGCATTTGAAACTGTGATTCTTGAGTGGAGTAGAGGTAAGCG
GAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTCTAA
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>OTU8954;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Lachn
ospiraceae(0.1872),g:Clostridium_XlVa(0.0423);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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ococcaceae(0.4563),g:Faecalibacterium(0.0519);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGATGAAGAAGGT
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CGGAATTCCTGGTGTAGCGGTGGAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGGCACT
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Thermus"(0.0000),c:Deinococci(0.0000),o:Thermales(0.0000),f:Thermaceae(0.0000),g:Oceanithermus(0.00
00);
GGAATTGTCTGCGAGCGCTGTGGCGTTGAGGTCGCCGAGAGTCGGGTGCGACGTCACCGCATGGGCTTCATTAAGTT
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520),f:Bacteroidaceae(0.3544),g:Bacteroides(0.1299);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGTCTGAACCAGCGAAGTAGCGTGAAGGATGAAGGT
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AGCGTAGGTGGACTTGTAAGTCAGTTGTGAAAGTTGGCGGCTCAACCGTAAAATTGCAGTTGATACTGTTGATCTTG
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0.9941),f:Corynebacteriaceae(0.9480),g:Corynebacterium(0.9724);
GTGTCAGCCGCCGCGGTAATACGTAGGGTGCGCGCGTTGTCCGGAATTACTGGGCGTAAAGAGCTCGTAGGTGGTTT
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diaceae_1(0.2524),g:Clostridium_sensu_stricto(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGT
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ospiraceae(0.7787),g:Clostridium_XlVa(0.6681);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGCGAAAGCCTGATCCAGCGACGCCGCGTGAGTGCAGAAGTA
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623),f:Bacteroidaceae(0.2864),g:Bacteroides(0.0808);
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639),f:"Prevotellaceae"(0.0710),g:Prevotella(0.0157);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGTCGCGTGAAGGATGAATGC
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nadales(0.0000),f:Erythrobacteraceae(0.0000),g:Altererythrobacter(0.0000);
TCAGGCTGCTTCTGACGTTCGTGCTGAGTTTGTATCTGTTACTGAGACGTTCATGGATGCATTGGCCCAATGCTACACT
GTGCTCCCCCACCTTGATATTAATAACACTATAGACCACCGCCCCGAAGGGGACGACAAATGGTTTTTAGAGAACGAG
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AAAAAGAAAGGTAGTAAGGATGAGTGGTCAAGATTGCTGGAGGCCTCCACTATGATATCGCGTAGAGGCTTTGCTAT
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>OTU8966;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9933),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.7995),f:"Rikenellaceae"(0.5991),g:Alistipes(0.3915);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCATGCCGCGTGCAGGAAGACGGCTCTATGAGTTGTAAACTGCTTTTGTTCGAGGGTAAACCCTGGTACGTGTACCCTGCTGAATGTGTCGTACGAATAAGGGTCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTGTGATAAGTTAGAGGTGAAATCCCGGGGCTTAACACCGGAATTGCCTCTAATACTGATGGACTAGAGAGTAGTTGCGGTAGGAGGAATGTAGGGTGTAGCGGTGAAATGCTTAGAGATCATACAGAACAAAGATTGAGAAGGAAGCTTAACAAACTATATCTGAAGTTGAGGCACGAAAGCGTGCGGAGCAAACAGGATTAGATACCCCTGGTA

>OTU8969;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Ruminococcaceae(0.0710),g:Oscillibacter(0.0087);

ACGGGAGGCAGCAGTGGGGAATATTGGTCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTAAGAGGGAAGAGCAGAAGACGGTACCTCTAGAATAAGCCACGCCTAACTACGTACCAGCAGCCGCGGTAATACGAAGGTCGCAAGCACTGTCCGGATTTACTGGGTGTAAAGGGCGTGCAGGCGGGTCTGCAAGTCAGATGTGAAATCCAGGGGCTCAACCCATGAACTGCATTTGGAACTGGGGATCTTGAGTGTCGGAGGGGCAAGCGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTGCTGGACGATTACTGACGGTGAGGTTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8970;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Clostridiaceae_1(0.5991),g:Clostridium_sensu_stricto(0.2607);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTTAGGGACGAAAATTACGGTACCTGAGGAGGAAGCCATGGATAACTACGTGCCAGCAGCCGCCGTAATACGTAGGTGGAAAGCGCTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGTATGTTAAGTGAGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCATTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAATGGAATTCCTACTGTAGCGGTCAAATGCGTAGATATTAGGCAGAACACCACTGGCGAAGGCGATTCTCTGGACTGTAACTGACGCTGAGGCCCGAAAGCGTGGGGAGCAAACAGGATTAAATACCCTGGTA

>OTU8967;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9769),o:"Enterobacteriales"(0.8629),f:Enterobacteriaceae(0.7428),g:Escherichia/Shigella(0.3043);

ACGGGAGGCGGCAGTGGGGAATATTGCACAATGGGCGAAATCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAGTACCTTTGCTCATTGACGTTACCCTCAGAAGAAGCACCGGCTAACGCCGTGCCAGCAGCCGCGGTAGTACGACTGGTGCAAACGTGAATCGGAATTACTGGGCGTAAAGCGCACGCAGGCGGTTTGTTAAGTCAGATGTGAAATCCCCGGGCTTAACCTGGGAGCTGCATCTGAAACTGGCAAGCTTGAGTCTCGTAGAGGGGAGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGGCGAAGGCGGCCCCCTGGACTAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8974;tax=d:Bacteria(0.0093),p:"Proteobacteria"(0.0032),c:Epsilonproteobacteria(0.0011),o:Campylobacterales(0.0010),f:Helicobacteraceae(0.0003),g:Helicobacter(0.0003);
CTTGGTCATTTAGAGGAAGTAGAAGTCGTAACAAGGTTTCCGTAGGTGAACCTGCGGAAGGATCATTGTCGTGACAATTAACCAAAACAGACCGCGAACGTGTCTCCAATGCCGCCGGGCTTGGGTCCAGAAAAGGCTCCCGACCTTCATTTTGAGGAGCCGCAAAACAACCCACGGCGCCGAAGGCGTCAAGGAACACTAATATTGCCTTGTTCGGGACTGTGGCTGGCTTGCTAGCCACTACCCGTGCAGCGATGCTATACTAATCCACAAGACTCTCGGCAACGGATATCTCGGCTCTCGCATCGATGAAGAACGCAGC
>OTU8971;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Lachnospiraceae(0.6709),g:Lachnospiracea_incertae_sedis(0.3479);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGATAATGACGGTACCTGACTAAGAAGCCCCGGCTAAATACGTGCCAGCAGCTGCGGTAATACGAATGGCGAAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGCGTAGGTGGCAGGGCAAGTCAGATGTGAAAGACCGGGGCTCAACCCAGGGGCTGCATTTGAAACTGCTTTGCTTGAGTACAGGAGAGGCAGGCGGAATTCCAAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAATGGCGAAGGCGGCCTGCTGGACTGACACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU8975;tax=d:Bacteria(0.0058),p:"Bacteroidetes"(0.0000),c:Flavobacteriia(0.0000),o:"Flavobacteriales"(0.0000),f:Flavobacteriaceae(0.0000),g:Mangrovimonas(0.0000);
CTTGGTCATTTAGAGGAAGTAAAAGTCGTAACAAGGTTTCCGTAGGTGAACCTGCGGAAGGATCATTACCTAGAGTTTGTAGACTTCGGTCTGCTACCTCTTACCCATGTCTTTTGAGTACCTTCGTTTCCTCGGCGGGTCCGCCCGCCGATTGGACAACATTCAAACCCTTTGCAGTTGCAATCAGCGTCTGAAAAAACATAATAGTTACAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGC
>OTU8972;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Ruminococcaceae(0.1291),g:Clostridium_III(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGGACGTGACGGTACCTGGAGAAAAAGCAACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGACGGGAAGTTAAGTTAGTTGTGAAATCCCTCGGCTGAACTGAGGAACTGCAACTAAAACTGATTTTCTTGAGTGCAGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTCCTGGTCTGTAACTGACACTGAGGCGCGAAAGCGTGGGGAGCAAGCAGGATTAGATACCCTGGTA
>OTU8973;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lachnospiraceae(0.3544),g:Lachnospiracea_incertae_sedis(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGGATTTCGGTACGTAAAGCTCTATCAGCAGGGAAGATAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCA

GCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCAGAATA
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GTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTG
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ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCCGATGCAGCAACGCCGCGTGAGTGATGAAGGT
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GAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAA
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>OTU8979;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.6138),f:Bacteroidaceae(0.2184),g:Bacteroides(0.0615);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCATGCCGCGTGCAGGATGACGGCT
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>OTU8978;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9740),o:"Enterobacteriales"(0.8303),f:Enterobacteriaceae(0.6350),g:Escherichia/Shigella(0.1299);
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ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCCGATGCAGCCATGCCGCGTGTGTGAAGAAGGC
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GAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGTATGCGAGCGTTAATCGGAATTACTGGGCGTA
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>OTU8982;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Lachn
ospiraceae(0.4224),g:Fusicatenibacter(0.2171);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
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>OTU8981;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.1905),c:"Bacteroidia"(0.0726),o:"Bacteroidales"(0.0
473),f:"Porphyromonadaceae"(0.0113),g:Barnesiella(0.0056);

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>OTU8980;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Rumin
ococcaceae(0.1291),g:Saccharofermentans(0.0157);

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>OTU8983;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:Sphingobacteriia(0.2902),o:"Sphingobacteri
ales"(0.1249),f:"Cyclobacteriaceae"(0.0457),g:Algoriphagus(0.0087);

GTGTCAGCCGCCGCGGTAATACGTAGGGTGCAAGCGTTGTCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTCT
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ococcaceae(0.3884),g:Intestinimonas(0.0519);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
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>OTU8985;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Rumin
ococcaceae(0.1485),g:Intestinimonas(0.0181);

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>OTU8986;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Eubac
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ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAGTGAAGAAGGC
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>OTU8989;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9740),o:"Bacteroidales"(0.9
172),f:"Prevotellaceae"(0.8505),g:Prevotella(0.4787);

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ACGGGAGGCAGCAGTGGGGAACATCGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGACGGT
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ales(0.9063),f:Burkholderiaceae(0.6350),g:Ralstonia(0.4787);
CAGCAGCCGCGGTAATACGTACGGTCCAAGCGTTAATCGGAATTACTGGGCGTAAGGCGTGCGCAGGCGGTTGTGC
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ococcaceae(0.1291),g:Ruminococcus(0.0230);
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ococcaceae(0.0457),g:Anaerofilum(0.0087);
CCTTTCTCCCTCCTTTTTTCCTATTGGGACCTGGTCGACAGCCTGACCCAGCGACGCCGCGTGAGGGAAGACGGTCTT
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>OTU8992;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Clostridiales_Incertae_Sedis_XIII(0.0457),g:Mogibacterium(0.0110);

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>OTU8993;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Bacilli(0.7497),o:Lactobacillales(0.4652),f:Lactobacillaceae(0.2864),g:Lactobacillus(0.0808);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGTGTAAAGGGAGCGTAGACGGACTGGCAAGTCTGATGTGAAAGGCATGGGCTCAACCTGTGGACTGCATTGGAAACTGTTAGTCTTGAGTGCCGGAGGGGTAAGCGGAGTTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTAACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU8994;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Ruminococcaceae(0.0457),g:Papillibacter(0.0087);

AAGGAAGGAAGAAGGGGGGAAGAGGGGGAAAGGGGAGAAAGCATGACCCAGCAACGCCGCGTGAAGGAAGACGGTCTTCGGATTGTAAACTTCTTTTTTGAGGGACGAAGGACGCGACGGTACCTCATGAATAAGCCACGGCCAACTACGTGCCAGCCGCCGCGGTAATACGGAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGATGGCAAGTCAGATGTGAAATCCATGGGCTCAAACCGTGAACTGCATTTGAAACTGGCGGTCTTGAGTGAAGGAGAGGCGAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8996;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Erysipelotrichia(0.4812),o:Erysipelotrichales(0.2359),f:Erysipelotrichaceae(0.1098),g:Turicibacter(0.0204);

ACTTTCTTCCTCCTTTCGGAATATTGGTCACTGGGCGAGAGCCTGGACCAGCCAAGTCGCGTGAGGGAAGACGGTCCTACGGATTGTAAACCTCTTTTGTCGGGGAACAAAAGGCGCCACGCGTGGTGTATAGAGTGTACCCGAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGCGTAAAGAGCGCGCAGGTGGTTGATTAAGTCTGATGTGAAAGCCCACGGCTTAACCGTGGAGGGTCATTGGAAACTGGTCGACTTGAGTGCAGAAGAGGGAAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCGGCTCTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8995;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9993),c:Actinobacteria(0.9887),o:Actinomycetales(0.9941),f:Nakamurellaceae(0.9759),g:Nakamurella(0.9781);

GTGCCAGCAGCCGCGGTAATACGTAGGGTGCGAGCGTTGTCCGGAATTATTGGGCGTAAAGAGCTCGTAGGCGGTCTGTCGCGTCGAATGTGAAAACCCGGGGCTCAACTCCGGGCTTGCATTCGATACGGGCAGGCTAGAGTTCGGTAGGGGAGTCTGGAATTCCTGGTGTAGCGGTGAAATGCGCAGATATCAGGAGGAACACCGGTGGCGAAGGCGGGACTCTGGGCCGATACTGACGCTGAGGAGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTAGTCCACGCCGTAAACGTTGGGCGCTAGGTGTGGGGGTCCTTCCACGATCTCCGTGCCGCAGCTAACGCATTAAGCGCCCCGCCTGGGGAGTACGGCCGCAAGGCTAAAACTCAAAGGAATTGACGGGG

>OTU8997;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Lachnospiraceae(0.7428),g:Coprococcus(0.5239);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGAGTAAGAAGCAACGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTAAGGTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGTAAGTCTGAAGTGAAAGCCCGGGGCTCAACCTCGGGGCTGCATTTGAAACTATGCAGCTAGAGTGTAGGAGAGGCAAGTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTGGGAGGAACACCAGTGGCGAAGGCGGTTTGCTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8998;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Lachnospiraceae(0.2864),g:Blautia(0.0808);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATCTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCCAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCAATGCAAGTCTGAAGTGAAAGGACGGGGCTCAAACCTGCGACTGCATTGGAAACTGGGTAGCTTGAGTGCGGAAGAGGTGAGTGGAATTCCTAGTGGAGCGGTGAAATGCGTAAATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTAGACGGTAACTGACGTTGAGGCTAGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU8999;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8267),c:"Bacteroidia"(0.4812),o:"Bacteroidales"(0.2359),f:"Prevotellaceae"(0.0355),g:Paraprevotella(0.0087);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCATCCAAGTAGCGTGAGGGATGACTGCCCTATGGGTTGTAAACCTCTTTTGATTGGGAACAAATAGCGCCACGTGTGGTGCTTTGCGTTTACCTTTCGAATAAGCATCGGCTAATTCCGCGCCAGCAGCCGCGGTAATACGGAAGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGCTGTTAAGTCATCGGTCAAATGTACGGGCCCAACCTTGGTATGCCGTTGATACTGGCGGCCTTGAGTTAAACAAAGTAAGGTGGAATTCGTCGTGTAGCGGTGAAATGCTGAGATATGACGAAGAACTCCGATTGAGAAGGCAGCCTTCTGGGGTGTTACTGACGCTGAGGCTCGAAAGTGCAGGAATCAAACAGGATTAGATACCCTGGTA

>OTU9000;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Lachnospiraceae(0.1098),g:Clostridium_XlVa(0.0204);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCCTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGGACGTGACGGTACCTGGAGAAAAAGCAACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGTGGTAAGGCAAGCCAGAAGTGAAAGCCCGGGGCTCAACCCCGAGGACTGCTTTTGGAACTGTCGAACTAGAGTGCAGGAGGGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTGGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9001;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Ruminococcaceae(0.2864),g:Ruminococcus(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCGATGCCGCGTGGAGGAAGAAGGTTTTCGGATTGTAAACTCCTGTCTTAAGGGACGATTATGACGGTATCTTAGGAGGATGCTCCGGCTATCTATGTGCTGGCAGCCCCGGTAATACGTAGGGATCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGATTGCAAGTCAGATGTGAAATGTATGGGCTTAACCCATAAACTGCATTTGAAACTGTAGTTCTTGAGTGAAGTAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGACTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9003;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Ruminococcaceae(0.1291),g:Clostridium_III(0.0230);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGTTTTCGGATTGTAAACCTCTGTTTTCGGTGACGAACAAATGACGGTAACCGAGTAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGAGTACGTAGGTAGCTACCTAAGCACGGGGTTTAAGGCTATGGCTTAACCATAGTTCGCCTTGTGAACTGGGCTGCTTGAGTGCAGGAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9002;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Bacilli(0.9851),o:Lactobacillales(0.8629),f:Lactobacillaceae(0.6709),g:Lactobacillus(0.4787);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGGGAGTGAAGAAGGTTTGCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGGAGCAGTAACTGGTTGCTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCCAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAATGATAAGTCTGATGTGAAAGCGGACGGCTCAAGCGTGGAAATGCATCGGAAACTGTCATTATTGAGGGCAGAAGAGGCGAGTGGAACTGCATGGGTAGCGGTGGAATGCGTAGATAGATGGAAGAACACCAGTGGCGAAGGCGGCTGGCTGGTCTGCAACGGAGGCAGAGGCTCGAAAGCATGGGTAGCGAAAAGGATTAGATACCCTGGCA

>OTU9004;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Eubacteriaceae(0.0355),g:Eubacterium(0.0087);
ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCTGCGTGAATGATGAAGGCCTTCGGGTTGTAAAATTCTGTTATAAGGGAAGAACGATTGTAGTAGGAAATGGCAAGAGAGTGACGGTAGCTTATGAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGAGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGGAATCAAGTCTGCTGTGAAAACTACGGGCTTAACTTGTAGACTGCAGTTGAAACTGGTTTTCTTGATTGCAGTCGAGGTTGGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGTAACACCGGTGGCGACGGCGGCCAACTGGGCTTTAACTGACGCTGAAGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9006;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9507),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5023),f:"Porphyromonadaceae"(0.1485),g:Barnesiella(0.0230);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAAGGTCCTACGGATTGTAAACCTCTTTTGCCGGGGAGCAAAGGGGCCATTTACGGCAGGATGAGCGTACCCGGAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTTATAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGTGAGACTTGAGTGCGCAGGAAGTAGGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACCCCGATCGCGAAGGCAGCCTGCCAGGCCGTGACTGACACTGATGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU9005;tax=d:Bacteria(1.0000),p:Firmicutes(0.3448),c:Clostridia(0.0726),o:Clostridiales(0.0473),f:Clostridiaceae_3(0.0113),g:Brassicibacter(0.0056);
ACGGGAGGCAGCAGTTAGGAATATTCGGCAATGGGCGAAAGCCTGACCGAGCAATGCCGCGTGTGAGATGAAGGTCCTTTGGATTGTAAATCACTTTTATTTGGGAAGAACTGTGAGTATAGGAAATGATGCTCACTTGACGGTACCTTTTGAATAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGATTTATTGGGCGTAAAGCGTGTGTAGGCGGTTTGTTAAGTCTGAGATGAAAGGCTATGGCTCAACCATAGTTTGTTTCAGAAACTGGCAGACTAGAGTGCAGTAGAGGCAAATGGAATTCATAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGTGGCGAGGGCGGCTTTCTGGACTGACACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9007;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Peptostreptococcaceae(0.5632),g:Clostridium_XI(0.3915);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAAAGCCGCGTGAGCGATGAAGGCCTTAGGGTCGGAAAGCTCTGTCCTCAAGGAAGAAAATGACGGTACTTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGCGGCTAGCGTTATCCGGATTTACTGGGCGTAAAGGGGGCGTAGGTGGTTTCTTAAGTCAGGAGTGAAAGGCTACGGCTTAACCGTAGTAAGCTCTTGAAACTGGGAAACTTGAGTGCAGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTAGCGAAGGCGGCTTTCTGGACTGTAACTGACACTCATGCACGAAAGTGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU9008;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Lachnospiraceae(0.1679),g:Parasporobacterium(0.0230);
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>OTU9009;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Bacilli(0.7114),o:Lactobacillales(0.4280),f:Lactobacillaceae(0.2524),g:Lactobacillus(0.0615);
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>OTU9012;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Clostridia(0.9834),o:Clostridiales(0.9866),f:Peptostreptococcaceae(0.7428),g:Clostridium_XI(0.6200);
GTGTCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGATTTACTGGGCGTAAAGGGTGCGTAGGCGGTCTTTCAAGTCAGGAGTGAAAGGCTACGGCTCAACCGTAGTAAGCTCTTGAAACTGTAAGACTTGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCGGCTCTCTGGACTGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTAGTCCACGCCGTAAACGATGAGTACTAGCTGTCGGAGGTTACCCCCTTCGGTGGCGCAGCTAACGCATTAAGTACTCCGCCTGGGAAGTACGCTCGCAAGAGTGAAACTCAAAGGAATTGGCGGGG
>OTU9010;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Bacilli(0.4812),o:Lactobacillales(0.2359),f:Aerococcaceae(0.1098),g:Abiotrophia(0.0204);
ACGGGAGGCAGCAGTAGGGAATCTTCGACAATGGGCGCAAGTCTGATCGAGCAACGCCGCGTGAATGAAGAAGGTCTTCGGGTCGTAAAATTCTGTTGTTAGAGAAGAACGCGATTAGTAGGAAATGGTCAGTGGGTGACGGTATCTAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGTTAATACGTAGGTGGCGAGCGTTGTCCGGAATTATTGGGCGTAAAGAGAGCGCAGGTGGTTGTTTAAGTCTGATGTGAAAGCCCACGGCTTAACCGGAGTGGGGCATTGGAAACTGGTAGACTTGAGTGCAGAAGAGGAGAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGAGATATGGAAGAACACCAGTG

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413),f:Prolixibacteraceae(0.0099),g:Prolixibacter(0.0046);
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>OTU9011;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Clostri
diaceae_1(0.0355),g:Caloramator(0.0087);
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ospiraceae(0.6350),g:Lachnospiracea_incertae_sedis(0.3043);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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CCTGTGGTGGGCATCGGTGCTGAGGCGCTCAAGCAGCTGCTCGAAGACCTCAATCTGGAGGAAGTGGCTGAGCAGC
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>OTU9017;tax=d:Bacteria(0.0058),p:"Proteobacteria"(0.0000),c:Gammaproteobacteria(0.0000),o:Legionell
ales(0.0000),f:Legionellaceae(0.0000),g:Legionella(0.0000);
ACTGGCGGCGATTGCGTCGCCGACGCCCAAACTTAGGGTCCACGCTACCTGTAGGACGTGTCCGCATAAAGTGCACC
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acteriales"(0.8303),f:Enterobacteriaceae(0.6350),g:Escherichia/Shigella(0.2171);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
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730),f:Bacteroidaceae(0.8864),g:Bacteroides(0.8124);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGC
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>OTU9019;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Clostri
diaceae_1(0.6350),g:Clostridium_sensu_stricto(0.4787);
ACGGAAGGCAGCAGTGGGGAATATTGGACAATGGGCGAAACCCTGATCCAGCAACGCCGCGTGAGTGATGAAGGT
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GGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTA
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>OTU9021;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.9389),f:Bacteroidaceae(0.6350),g:Bacteroides(0.4787);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAATGCTCTATGGGTCGTAAACTTCTTTTATTTAAGAATAAAGTGCAGTATGTATCCCGCTTTGCATGTACTATTTGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGTCTGGTAAGTCAGTCGTGAAAGTTTGCGGCTCAACCGTAGAATTGCAGTTGATACTGTCAGACTTGAGTACAGGAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTGACTGGAGTGCAACTGACACTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU9022;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:Cytophagia(0.0626),o:Cytophagales(0.0413),f:Cytophagaceae(0.0099),g:Adhaeribacter(0.0046);
ACGGAAGGCAGCAGTGAGGAATATTGGGCAATGGGCGGAAGCCTGAACAAGCCATGCCGCGTGACGGAAGAAGGCCCTATGGGTCTTAAACGTCTTTGGTGCCGGAGAAATAAGAGCCACGCGAGGCATGATGAGAGTACGGGAAGAACAAGCAAAGGCTAACTCCGTGCCAGCAGCCGAGGTAATACGGGAGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGGGTGGTAAGTCAGCTGTGAAATGTCCACGCTCAACGTTGAACGTGCGTTTGATACTGCCGTCCTTGAATGCGGATGCCGTGAGAGGAATTTGTGGTGTAGCGGTGAAATGCATAGATATCACACAGAACACCGATTGCGAAGGCATCTCACGAATCCGCAATTGACGCTGAGGCACGAAAGCGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU9020;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9784),o:Clostridiales(0.9707),f:Clostridiaceae_1(0.7068),g:Clostridium_sensu_stricto(0.5720);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGTTTTCGGATCGTAAAGCTCTGTCTTTGGGGAAGATAATGACGGTACCCAAGGAGGACGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTACTACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAAGTGGGATGTGAAATACCCGGGCTCAACTTGTGTGATGCATTTCAAACTGGTTATCTAGGGTGCAGGAGAGGGGAGTGGAATTCCTAGTGGAGCGGTGAAATGCGTAGAGATTAGGAAGAAAACCAGTGGCGAAGGCGACTTGCTGGACTGGAACTGAAGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9023;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.9180),o:"Bacteroidales"(0.8303),f:Bacteroidaceae(0.4563),g:Bacteroides(0.2607);
ATGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGGGTTAGCCTGAACAAGCCAAGTAGCGTGAAGGATGAAGGCTCTTAGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTATGTATACTGTTTTGTATGTATTAAATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCTGCGGTAATACGGAGGTTCCTAGAGTTATCCGGTTTTATGGGGTTTCAAGGGTGCGTAGGTGGACTGGTAAGTCAGTTATGACACTTAGCGGCTCAACCGTAAAGTTGCAGTTGCTGCTGTCAGTCTTGATTACAGTAGAGGTGGGCGGAATTCGTGGTTTAGCGGTGAAATTCTTAGATATCCCGAAGAACGCCGATTGCTACGGCAGCTCACTGGACTGCAACGCACACTAATGCTCGAAAGTGTGGGTATCAAACAGCATTAGATACCCTGGTA

>OTU9024;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9966),c:"Bacteroidia"(0.9604),o:"Bacteroidales"(0.8629),f:Bacteroidaceae(0.3204),g:Bacteroides(0.0904);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTATGTATACTGTTTTGTATGTATTATATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGCCTTTTAAGTCAGAGGTGAAAGTCTGTGGCTCAACCATAGAATTGCCGTTGAAACTGGGAGGCTTGAGTATGTGTGAGGCAGGCGGAATGCGTGGTGTAGCGGTGAAATGCTTAGATATCACGCAGAACTCCTATTGCGAAGGCAGCTTGCTGGAGTGTAACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU9026;tax=d:Bacteria(0.0058),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Clostridiales(0.0000),f:Clostridiaceae_1(0.0000),g:Clostridium_sensu_stricto(0.0000);

AAGCTGTCGCTCCTTCCCAAGCAGCTGTTCAGAATCAGAATGCGCCGCCACTTCGGGATGACCATGCTCACAATGACAACTCTGTCCACGGAGTGCTTAATCCAACTTACCAAGCTGGGTTACGACGCGACGCCGTTCAACCAGATATTGAAGCAGAACGCAAAAAGAGAGATGAGATTGAGGCTGGGAAAAGTTACTGTAGCCGACGTTTTGGCGGCGCAACCTGTGACGACAAATCTGCTCAAATTTATGCGCGCGTCGATAAAAATGATGGGCGGATCCAACCTGCAGAGTTTGATCGCTTCCATGACGCAGAAGTTAACACTTTCGGATATTTCTGAGGAGTC

>OTU9027;tax=d:Bacteria(0.0041),p:"Bacteroidetes"(0.0000),c:"Bacteroidia"(0.0000),o:"Bacteroidales"(0.0000),f:"Porphyromonadaceae"(0.0000),g:Porphyromonas(0.0000);

GGAATCGTCTGCGAGCGTTGTGGTGTGGAGGTCACAGAGAGTCGGGTGCGACGTCACCGCATGGGCATTACCAAGTTGGCGGCGCCCGTATCCCATGTTTGGTACCTGAAAGGGATTCACAGTTATGTGGCCATCCTTTTGGATATGCCACTGAGGGGTGTTGAGCAGATTGTTTATTTCAAATGTTATGTGGTTCTGGATGCGGGTGATCACAAAGACCTGAAGTACAAGCAATTGCTCACGGAAGATGAGTCGCTTGACATTGAAGACTAGATTTAGGCAGAAGATTCAGATATTGAAGATGAGCCTGTTGTGGGTATCGGCGCCGAGGCTCTCAAGCAGCTTCTCGAAGATCTCACCCTTGATGAGGTAGCCGAGCAGATGCGCGAGGAGATCGCCGACAGCAAGGGGCAGAGGCGGGCGAAGCTGACCAAGCGTCTACG

>OTU9025;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Ruminococcaceae(0.1291),g:Ruminococcus(0.0230);

CCGGGATGCAGCAGTGGGTGATATTGCGCGATTGGGGCCACCCTGCCGACGCCACGCCGCGTGAACGATGAAGGTCTTCGGATAGTAAAGTTCTTTTATTAAGGACGAAGAAGTGACGGTACTTAATGAATAAGATCCGGATAAATACGTGCAAGAAGCCGCGGTAATAGGTAGGGGGCAAGAGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGTGGCAGAGCAAGTCAGATGTGAAATCCGTGGGCTTAACCCGCGAACTGCATGTGAAACTGTTTTGCTTGAGTGAAGTAGAGGCAGGCGGAATTCCCTGTGTAGCGGTTAAATGCGTAGAGATAGGGAGGAACACCAGTAGCGAAGGCGGCCTGCTGGACTTTAACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU9028;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9784),o:Clostridiales(0.9707),f:Clostridiaceae_1(0.7428),g:Clostridium_sensu_stricto(0.5720);

ACGGGAGGCAGCAATGGGGAATATTGCACAATGGGGGCAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
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GCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAA
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GAATTCCTAGTGTCGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTCCCTGGACTGTAA
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>OTU9029;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Clostri
diaceae_1(0.4563),g:Clostridium_sensu_stricto(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAATGATGAAGGT
TTTCGGTTCGTAAAGCTCTGTCTTTGGGGAAGATAATGACGGTACCCAAGGAGGAAGCCCCGGCTAACTACGTGCCA
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TGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATCAGGAAGAACACCAGTGGCGAAGGCGACTTACTAGACTGT
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>OTU9031;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9791),o:Clostridiales(0.9730),f:Clostri
diaceae_1(0.7068),g:Clostridium_sensu_stricto(0.5720);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
TTTCGGATCGTAAAGCTCTGTCTGCGGGGAAGATAATGACACGACACAAGGAGGAAGCGACGACTAACAACGTGCC
AGCAGCCGCGGTAATATGTAGGTGGCGAGAGTGATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTA
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GGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTA
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>OTU9030;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Pepto
coccaceae_1(0.1872),g:Peptococcus(0.0423);
ACGGAAGGCAGCAGTGGGGAATCTTCCGCAATGGGCGAAAGCCTGACGGAGCAATGCCGCGTGAGTGAAGAAGGC
CTTCGGGTTGTAAAGCTCTATCCTTGTCCAAGAGAGCAGAGTATAGTAACTGATAGTCTGAGGACGGTAGACAAGAA
GGAAGCCCCGGCTAACTATGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGACTGGGCGT
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GGTA
>OTU9032;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9994),c:"Bacteroidia"(0.9897),o:"Bacteroidales"(0.9
937),f:Bacteroidaceae(0.9015),g:Bacteroides(0.8605);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGC
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TCGGCTAACTCCGTGCCAGAAGCCGCGGTCATACGGAGGATCCGAGCGTTATACGGATTTAGTGGGTTTAAAGGGA
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>OTU9033;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Clostri
diaceae_1(0.5273),g:Clostridium_sensu_stricto(0.3479);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
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GTGGGATGTGAAATACCCGGGCTTCACTTGGGTGCTGCATTCCAAAACGGTTATCTTGAGGGCAGGAGAGGAGAGT
GGAATTTCTAGTGTAGCGGTGAAATGGGTAGGGATTAGGAAGAACACCAGTGGCGAAGGGGACCCCCTAGACCGTA
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diaceae_1(0.7428),g:Clostridium_sensu_stricto(0.6200);
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GGAATTCCGAGTGTAGCGGTGAAATGCGTAAGGATTAGGAAGAACACCAGTGGCGAAGGGGACTATCTGGACTGTA
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>OTU9036;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Lachn
ospiraceae(0.1679),g:Clostridium_XlVa(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGCAGGATGACGTC
TTTCTGTATTTTAACTTCTATCAGCAGGGAAGAAAATGCCGGTACCTGACTACGAATCCCCGGCTCACTACGTGCCAG
CAGCCGCTGTAATACTTCGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTTTCGTAAGT
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>OTU9035;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Clostri
diaceae_1(0.1098),g:Clostridium_sensu_stricto(0.0204);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGAAAGCCTGATGCAGCAACACCGCGTGAGTGAAGAAGGG
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GAAAGTCCCGGCTAACTACGTGCCAGCAGCCGCGGTAGTACGTTGGTGGCTAGCGTTATCCGGATTTATTGGGCGTA
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>OTU9038;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Clostri
diaceae_1(0.5632),g:Clostridium_sensu_stricto(0.3915);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
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>OTU9040;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Bacilli(0.9851),o:Lactobacillales(0.9934),f:Lactoba
cillaceae(0.7068),g:Lactobacillus(0.3915);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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5),f:Spirochaetaceae(0.5991),g:Treponema(0.3043);
ACGGAAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGAACGAAGAAGGC
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GGCTTGAGTTACTGAAGTTGGACTTGAATTCCCGGTGTAGGGGTGAAATCTGCCGATATCCGGAAGAAAACCCATGG
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>OTU9037;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Clostridiaceae_1(0.1872),g:Clostridium_sensu_stricto(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGTCTTCGGATCGTAAACCTCTGTCTGAAGGGAAGAAACTAGGGTGCTCTAATCATCATCCTACTGACGGTACCTTCAAAGGAAGCACCGGCTAACTCCGTGCCAGCAGCTGCGGCAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGGGAGCGTAGGCGGTTGATTAAGTGGGATGTGAAATTCCCGGGCTCAACTTGGGTGCTGCATTCCAAACTGGTTATCTAGAGTGCAGGAGAGGAGAGTGGAATTCCTGGTGTAGCGGTGAAATGCGTAGAGATTGGGAAGAACACCGGTGGCGAAGGCGGCTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
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ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTTGGCTGGTAAAGCTCTGTTGTTGGGGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGTCGTTATCCAACCAGAAAATCACGGCTAACTACGTGCCATCAGTCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTGCTGATGTCTGATGGGAAATCCTTCGGCTTAACCGACGAAGTGCATCGGAAACTGTGCTACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU9042;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9740),o:"Bacteroidales"(0.9172),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);
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>OTU9043;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9747),o:Lactobacillales(0.8955),f:Lactobacillaceae(0.7068),g:Lactobacillus(0.3915);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTCGGAGAAGAACGTGCGTGAGAGTAACTGTTCACGCCGTGACGGTATCCAACCAGATAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATCAGTAGTTGGCAAGCGTTATCCGGATTTATTGGACGTAAAGCGAGCGCAGGCGGTTGCTTAGGTCTGATGTGAAAGCCTGCGGCTTAACCAAAGAAGTGCATCGGAAACTGTCAGACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCAGTGGAATGCGTAGATATATGGAAGAACACCAGTG

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ales(0.0000),f:Thiotrichaceae(0.0000),g:Thiothrix(0.0000);
GCGAAACCAATCCGCGGCATTTAGTCGCGGTTAAGTTAGACCCCACCATGAAACCACCCTAAACATTATTGCCCGGCG
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coccaceae(0.4563),g:Streptococcus(0.2171);
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diaceae_1(0.4563),g:Clostridium_sensu_stricto(0.2171);
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995),f:Bacteroidaceae(0.3544),g:Bacteroides(0.1299);
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CCGGCTAACTCCGTGCCAGCAGCCGCGGTAGTACGGAGGGTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
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138),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0519);
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diaceae_1(0.8864),g:Clostridium_sensu_stricto(0.7643);
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ospiraceae(0.2524),g:Clostridium_XlVa(0.0712);
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diaceae_1(0.4914),g:Clostridium_sensu_stricto(0.3043);
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diaceae_1(0.3544),g:Clostridium_sensu_stricto(0.0808);
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509),f:"Porphyromonadaceae"(0.2864),g:Parabacteroides(0.0712);
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303),f:Bacteroidaceae(0.3544),g:Bacteroides(0.1299);

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955),f:"Prevotellaceae"(0.7428),g:Prevotella(0.4351);

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497),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);

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TCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
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TACGGTAGAGGTGAGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGC
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063),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);
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473),f:Prolixibacteraceae(0.0113),g:Prolixibacter(0.0056);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
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GGTGCGTAGGCTGTGCTTCAAGTCGGGAGTGAAATTCAGGTGCTCAACGCCGGAACTGCCCTTGATACTGTCGCGCT
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acteriales"(0.4652),f:Enterobacteriaceae(0.2864),g:Escherichia/Shigella(0.0615);
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acteriales"(0.8303),f:Enterobacteriaceae(0.6350),g:Escherichia/Shigella(0.3043);
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acteriales"(0.8412),f:Enterobacteriaceae(0.6709),g:Escherichia/Shigella(0.2607);
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ospiraceae(0.8146),g:Clostridium_XlVb(0.6681);
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707),f:"Porphyromonadaceae"(0.9294),g:Butyricimonas(0.9566);
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937),f:Bacteroidaceae(0.9015),g:Bacteroides(0.8605);

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>OTU9084;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9755),o:"Enterob
acteriales"(0.8629),f:Enterobacteriaceae(0.7428),g:Escherichia/Shigella(0.3043);

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acteriales"(0.8955),f:Enterobacteriaceae(0.8505),g:Escherichia/Shigella(0.3915);

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GAAGCAACGGCCAACTCCCTTCCAGCCGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTA
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395),f:Bacteroidaceae(0.2524),g:Bacteroides(0.0712);

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CGTAGGTGGATTGGTAAGTGAGATGTGAAATTCTGCGGCTCAACCGTAGAATTGCATTTGAAACTGCCTGTCTTGAGT
ACGGTAGAGGTTAGCGGAATTCCTGGTGTAGCGGTGAAATGCTTAGATATCAAGAAGAACACCGGTGGCGAAGGCA
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497),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);
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999),f:Bacteroidaceae(0.0904),g:Bacteroides(0.0181);
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llales(0.8955),f:Pasteurellaceae(0.8505),g:Actinobacillus(0.3479);
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389),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);
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ales"(0.0352),f:Sphingobacteriaceae(0.0086),g:Pedobacter(0.0043);
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719),f:"Rikenellaceae"(0.0710),g:Alistipes(0.0157);
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diaceae_1(0.2524),g:Clostridium_sensu_stricto(0.0712);
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015),f:"Prevotellaceae"(0.0355),g:Prevotella(0.0087);
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737),f:Bacteroidaceae(0.4563),g:Bacteroides(0.2607);
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TGCAGTTGACGCAGGCGGAATTCGTGGTGTAGCAGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGC
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>OTU9102;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9988),c:Gammaproteobacteria(0.9747),o:"Enterob
acteriales"(0.8412),f:Enterobacteriaceae(0.6709),g:Escherichia/Shigella(0.3479);
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>OTU9104;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9769),o:"Enterob
acteriales"(0.8737),f:Enterobacteriaceae(0.7787),g:Escherichia/Shigella(0.4351);
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846),f:Bacteroidaceae(0.5273),g:Bacteroides(0.3479);
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ales"(0.2679),f:Sphingobacteriaceae(0.1291),g:Solitalea(0.0230);
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280),f:Bacteroidaceae(0.6709),g:Bacteroides(0.5239);
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ococcaceae(0.1679),g:Intestinimonas(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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ales"(0.0547),f:Sphingobacteriaceae(0.0149),g:Solitalea(0.0066);
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319),f:Bacteroidaceae(0.1485),g:Bacteroides(0.0326);
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GCAGGAGGGGAAAGCGGAATTCCTAATGTAGCGGTGAAATGCATAGATATGACGCAGAACTCCGATTGCGAAGGCA
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teriaceae(0.3204),g:Eubacterium(0.0904);
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cillaceae(0.0000),g:Lactobacillus(0.0000);
CTTGGTCATTTAGAGGAAGTAAAAGTCGTAACAAGGTTTCCGTAGGTGAACCTGCGGAAGGATCATTACATTCAGTA
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520),f:Bacteroidaceae(0.4563),g:Bacteroides(0.2607);
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acteriales"(0.8737),f:Enterobacteriaceae(0.7787),g:Escherichia/Shigella(0.3915);
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1(0.0025),g:Saccharococcus(0.0024);
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acteriales"(0.8412),f:Enterobacteriaceae(0.6709),g:Escherichia/Shigella(0.2607);
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821),f:Bacteroidaceae(0.9387),g:Bacteroides(0.9705);
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ococcaceae(0.1872),g:Ruminococcus(0.0519);
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685),f:"Porphyromonadaceae"(0.9294),g:Butyricimonas(0.8605);
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252),f:Bacteroidaceae(0.1872),g:Bacteroides(0.0519);
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ales"(0.0413),f:Sphingobacteriaceae(0.0099),g:Sphingobacterium(0.0046);
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ospiraceae(0.2524),g:Dorea(0.0615);
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509),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0326);
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ospiraceae(0.0904),g:Clostridium_XlVa(0.0134);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
TTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTCATTGGGCTTAAAGGGAGCGCAGGCCGCCTCTTAA
GCGTGTTGTGAAATGCAGTCGCTTAACGTCTGTCGTGCAGCGCGAACTGCCGAGCTTGAGTGCGCGTAAGGTAGGCG
GAATTTGCGGTGTAGCGGTGAAATGCTTAGATATGGCGAAGAACTCCGATTGCGAAGGCAGCTGACGGGAGCGTAA
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>OTU9132;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9762),o:Clostridiales(0.9497),f:Lachn
ospiraceae(0.8146),g:Ruminococcus2(0.5239);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGATGAAGTA
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GCAGCCGCGGTAATACGTATGGTGCAAGCGTTATCCGGATTTACTGGGTGTAAGGGGAGCGTAGACGGAGTGGCAA
GTCTGATGTGAAAACCCGGGGCTCAACCCCGGGACTGCATTGGAAACTGTCAATCTAGAGTACCGGAGAGGTAAGC

GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGACTTTCTAGACGACA
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>OTU9129;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lachn
ospiraceae(0.2184),g:Fusicatenibacter(0.0615);
ACGGGAGGCAGCAGTGGGGAAGAGAGAAAAAGGGGGGAAACCGGGATGCAGCGACGCCGCGTGAGCGAAGAAG
TATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAGAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGT
GCCAGCAGCCGCGGTAATAAGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCAT
GGCAAGTCTGATGTGAAAACCCAGGGCTCGACCGTGGTACTGCATTGGAAACTGTCAAGCTGGAGTGTCGGAGGGG
TAAGCGGAATTCCTAGTGTAGCTGTGAAATGCGTAGATCTTAGGAGTAACACCAGTGGCGAAGGCGGCTTACTTGAC
GATGACTGACGCTGAGGCTCGAAAGCGTGTGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9133;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9991),c:Fusobacteriia(0.9851),o:"Fusobacteriales"(0.
9934),f:"Fusobacteriaceae"(0.8146),g:Fusobacterium(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGACCAAACGTCTGATCCAGCAATTCTGTGTGCACGATGACGGT
CTTAGGATTGTAAAGTGCGTTCAATGGGGAAGAAACAGATGACGGTACCAATAGAAGAAGCGACGGCTAAAGACGT
GCAAGCAGCGGCGGTAATACGTATGTCGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGCGTCTAGGTGGTTTGG
TACGTCTGATGTGAAAATGCGGGGCTCAACTCGGGATTGCGTTGGAAACTGCCTTACTAGAGTATCGGAGAGGTGG
GCGGAACTACAAGTGTAGAGGTGAAATTCGTAGATATTTGTAGGAATGCCCATAGAGAAGTCAGCTCACTGGACGAA
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>OTU9134;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8755),o:"Bacteroidales"(0.7
252),f:"Prevotellaceae"(0.4224),g:Prevotella(0.0230);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTATGGGTTGTAAACTGCATTTATACGGGGATAAAGTGAGCCACGTGTGGCTTATTGCAGGTACCGTATGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCCGTCTGTTAAGCGGGTTGGGAAAGGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACGGGGAGACT
GGAGTGCACGGGAAGTTGGGGGAATTCGCCGTGTAGCGGTGAAAGGCTTAGATATGGCGAAGAGCTCCGATGGCG
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>OTU9136;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9711),o:"Bacteroidales"(0.8
737),f:Bacteroidaceae(0.5991),g:Bacteroides(0.4351);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCACTAGCCTGAACCAGCCAAGTAGCGTGAAGGATAAAGGCT
CTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTATGTATACTGTTTTGTATGTATTATATGAATAAGGAT
CGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGC
GTAGGCGGCTTTGCAAGTCAGCGGTGAAAGGCCCGGGCTCAACCCGGAAAGTGCCGTTGATACTGTACATCTGGAAT

GCTCTTGCCGTGGGAGGAATGAGTAGTGTAGCGGTGAAATGCTCAGATATCACGAAGAACTCCGATTGCGAAGGCA
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>OTU9135;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Lachn
ospiraceae(0.2524),g:Acetitomaculum(0.0519);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGGC
TCTCGGTATGTAAACTTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGATAACTCCGTGACA
GCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGATTGCAA
GTCAGATGTGAAAACCACGGGCTCAACCTGTGGCCTGCATTTGAAACTGTAGTGCTTGAGTACTTGAGAGGCAGGCG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCCTGCTGGGCAGCAA
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>OTU9137;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9604),o:"Bacteroidales"(0.8
629),f:"Prevotellaceae"(0.5273),g:Prevotella(0.1735);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTATGGGTTGTAAACTGCTTTTATAAGGGAATAAAGTGAGCCTCGTGAGGCTTTTTGCATGTACCTTATGAATAAGG
ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGT
GCGCAGGCGGACATTCAAGTCTGCGGTCAAATTCCGGGGCTCAACCCCGGCCAGCCGTGGAAACTGAATGACTTGA
GTGGGCGAGAGGTATGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGG
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>OTU9138;tax=d:Bacteria(0.0024),p:"Acidobacteria"(0.0000),c:Acidobacteria_Gp1(0.0000),g:Gp1(0.0000);
CCTTCAGGCACCGCCTTCTGGTGCTTTGCAAGAACGCGTACTTATTCGCCACCATGATTCTGCCCCGTGTTTCCCGTCC
GTTCAGTTGTTGCAGTGGAATAGTCAGGTTAAATTTAATGTGACCGTTTATCGCAATCTGCCGACCACTCGCGATTCA
ATCATGACTTCGTGATAAAAGATTGAGTGTGAGGTTATAACGCCGAAGCGGTAAAAATTTTAATTTTTGCCGCTGAGG
GGTTGACCAAGCGAAGCGCGGTAGGGTTTCTGCTTAGGAGTTTAAGCATGTTTCAGACTTTTAGTGCGCGCCATAAG
TCAAACGTTTTTTCTGAT
>OTU9140;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.9
389),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
CCTATGGGTTGTAAACTTTTTTTATAAAGGAATAAAGTCGGTTTTTGATACCCGTTTTCATGTACTTTATGAATAAGGA
TCGGCTCACTCCGTGCCATCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGTAGATGGATGTTTAAGTCAGTTGGGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGATATCTTGAGT
GAAGTGGAGGCAGGGGGAAATCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGC
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>OTU9141;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9784),o:"Bacteroidales"(0.9707),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTGTAGGGGAATAAAGTCAGGTATGGATGCCCGTTTGCATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAAGATCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGATGTTTAAGTGAGTTGTGAAATGTTGCGGCTCAACCGTAAAAGTGCAGTGGATACTGGATATCTTGAGTGCAGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTAAGCTGCTACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU9139;tax=d:Bacteria(0.0041),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Clostridiales(0.0000),f:Ruminococcaceae(0.0000),g:Ethanoligenens(0.0000);

GCCGCTGACACCCGTCCTTTACTTGTCATGCGCTCTCATCTCTGGGCCTCTGGCTATGATGTTGATGGAACTGACCCCACGTCGTTAGGCCAGTTTTCTGGTCGTGTTCAACAGACCTATAAACATTCTGTGCCGCGTTTCTTTGTTCCTGAGCATGGCACTATGTTTACTCTTGCGCTTGTTCGTTTTCCGCCTACTGCGACTAAAGAGATTCAGTACCTTAACGCTAAAGGTGCTTTGACTTATACCGATATGGCTGGCGACCCTGTGTTGTATGGCAACTTGCCGCCGCGTGAAATTTCTATGAAGGAGGGTTGCCGTTCTGGGGATTCGGCTAAGAAGTTG

>OTU9143;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9887),o:Lactobacillales(0.9606),f:Lactobacillaceae(0.9015),g:Lactobacillus(0.4787);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGTGTGAGTGAATAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTTGAGAATAACGTGCGTGAGAGTAACTGTTTACGCAGTGACGGTATCCAACCAGAAATTCACGGCTAACTACGTGCCAGCAGCCGCGTTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCGGGCGGTCGCTTAGGTCGGATGTGGAAGCCGTCGGCTTAACCGAAGAAGTGCATCGGAAACCGGGCAACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGATGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU9144;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9966),c:"Bacteroidia"(0.7114),o:"Bacteroidales"(0.4280),f:"Prevotellaceae"(0.1291),g:Prevotella(0.0204);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATACGGGGGTAAAGTCATCCACGTGTGGATGTTTGCAAGTACCGTACGAAAAAGGATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGACTGGCAAGTGAGTTGTGAAAGGTTGGGGCTCAACCGTAAAATTGCAGCTGAAACTGTTTGTCTTGAGTGCACAGAAGGATGGGGGAATTTGTTGTGTAGCGGTGAAATGCATAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCGACCGGGGTGTGACTGACGCTGAAGCTCGAAAGCGCGGGAATCGAACAGGATTAGATACCCTGGTA

>OTU9142;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9835),c:Gammaproteobacteria(0.9462),o:"Enterob
acteriales"(0.6138),f:Enterobacteriaceae(0.4224),g:Escherichia/Shigella(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTGTGAAGAAGGC
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GAAGCACCTGCCAACACCGTGCCAGCAACCGCGGTAATACGGGGGGTCCACACGTTCATCGGAATTACTGGGCGTAA
AGCGCACGCAGGCGGTGTGGTAAGTCAGATGTGAAAGCCCCGGGCTCAACCGGGGAACTGCATCTGATACTGGCAA
GCTTGAGTGTCGGAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGAGCTGGAGGAATACCGGTG
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GTA
>OTU9145;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9918),o:"Bacteroidales"(0.9
935),f:Bacteroidaceae(0.9294),g:Bacteroides(0.9686);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGCCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
CCTATGGGTTGTAAACTTTGTTTATATGGGAATAAAGTTTTGCACGTGTGGAATATTGTATGTACCATAAGAATAAGG
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AGCGTAGGTGGACAGTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGGAGAATTGCATTTGATACTGGCTGTCTTG
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>OTU9146;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9791),o:"Bacteroidales"(0.9
730),f:Bacteroidaceae(0.9015),g:Bacteroides(0.8605);
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GTAGTAGAGGTGGGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCA
GCTCACTGGACTGCAACTGACACTGATGCTCGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU9148;tax=d:Bacteria(1.0000),p:Cyanobacteria/Chloroplast(0.9989),c:Chloroplast(0.9762),f:Chloroplas
t(0.9294),g:Cryptomonadaceae(0.9085);
GTGCCAGCCGCCGCGGTAATACAGAGGATGCAAGCGTTATCCGGAATCACTGGGCATAAAGCGTCTGTAGGTGGTTT
GGTAAGTCTGCTGTTAAGGACTGGGGCTCAACCCCAGAAAAGCAGTGGAAACTGCCAGACTTGAGTGTGGTAGAGG
TAGAGGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAATGGCGAAGGCACTCTACTGGA
CCATAACTGACACTGAGAGACGACAGCTAGGGGAGCAAATGGGATTAGATACCCCAGTAGTCCTAGCCGTAAACGAT
GGATACTAGATGTTGCACGTATTAACCCGTGCAGTATCGTAGCTAAGGCGTTAAGTATCCCGCCTGGGAAGTACGCTC
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>OTU9147;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Clostridiaceae_1(0.0710),g:Clostridium_sensu_stricto(0.0110);
ACGGGAGGCAGCAGTGAGGAATTTTAGTCAATGGGCGAGAGCCTGAACCAGCCATGCAGCGTGAAGGATGACTGCCTTATGGGTTGTAAACTTCTTTTATAAAGGAATAATGTCGGGTATGGATACCCGTTTGCATGTACTTTATGAATAAGGTACGGCTAACTTCGCGCCAGCAGCCGCGGTAATACGGTGGATCCGAGCGTTACCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGTTGATTAAGTGGGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCATTCCAGACTGGAAGTCTAGAGTGCGGGAGAGGAGAATGGAATTCCTAGTGTAGCAGTGAAATGCGTAGAGATTAGGAGGAACACCGGTGGCGAAGGCGGTTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9149;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9168),c:Epsilonproteobacteria(0.7881),o:Campylobacterales(0.5023),f:Campylobacteraceae(0.3204),g:Campylobacter(0.0904);
ACGGGAGGCAGCAGTAGGGAATATTGCGCAATGGGGGAAACCCTGACGCAGCAACGCCGCGTGGAGGATGACACTTTTCGGAGCGTAAACTCCTTTTCTTAGGGAAGAATTCTGACGGTACCTAAGGAATAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTACTCGGAATCACTGGGCGTAAAGGGCGCGTAGGCGGTCTGTTAAGTCGGATGTGAAATGTAAGGGCTCAACCCTTAACGTGCATCTGATACTGGCAGACTTGAGTGCGGAAGAGGCAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTTCTGGACAGAAACTGACGTTGAGGCACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9150;tax=d:Bacteria(0.8319),p:"Acidobacteria"(0.1112),c:Acidobacteria_Gp22(0.0324),g:Gp22(0.0035);
GTGCCAGCAGCCGCGGTAATACGGAGGTGGCAAGCGTTACTCGGAATTATTGGGTGTAAAGGGCAGGTAGGCGGCTAGGTAAGTGAGGGGTGAAGTCCCACGGCTCAATCGTGGAACAGCCTTTCAAACTGCCTGGCTTGAGTGTGACAGGGGATGATGGAATTCTCGGTGTAAGGGTGAAATCTGTAGATATCGGGAAGAACACCAACGGCGAAGGCAATCATCTGGGTCACTACTGACGCTGAGCTGCGAAAGCTAGGGGAGCAAACAGAATTAGATACTCTGGTAGTCCTAGCCGTAAACGATGAGTACTAGGTGTTGGGCCTTTCGGGGCTCGGTGCCGAAGCTAACGCATTAAGTACTCCACCTGGGGACTACTGTCGCAAGGCTAAAACTCAAAGGAATTGACGGGG
>OTU9152;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:"Bacteroidia"(0.1159),o:"Bacteroidales"(0.0547),f:"Porphyromonadaceae"(0.0149),g:Barnesiella(0.0066);
AAGGAAGGAAGAAGGGAGGAAGAGGGGAAAAGGGAGGAACCTCTGATCCAGCCATGCCGCGTGAAGGACTAAGGCCCTATGGGCTGTAAACTTCTCTAGACGCAGAGCAATAAGGGCCACGCGTGGTCCGATGCGAGTATGCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCGGCTTTGCAAGTCAGCGGTGAAAGGCCCGGGCTCAACCCGGAAAGTGCCGTTGATACTGTGAGGCTGGAATGCGGATGCTGTGGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCACTCAGAACACCGATTGCGAAGGCATCTCACAAATCCGCAATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU9151;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8472),o:"Bacteroidales"(0.6509),f:"Prevotellaceae"(0.4224),g:Prevotella(0.0615);

ACGGGAGGCAGCAGTGGGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTGGGCCACGCGTGGCCTTTTGCAGATACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCCGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCGGCCGGGCAAGCGTGTTGTGAAATGCAGTCGCTCAACGTCTGCACTGCGGCGGGAACTGTCCAGCTTGAGTGCGGGCAACGTTGGCGGAATTCGGCGTGTAGCGGTGAAATGCTTAGATATGGCGAAGAACACCGATTGCGAAGGCAGCTGGCGGGGGCGTAACTGACGCTCAGGCTTGAAAGTGCGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU9154;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.9063),f:Bacteroidaceae(0.5273),g:Bacteroides(0.3479);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGCATGGATACTCGTTTGCATGTACTTTATGAATAAGGATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGATGTTTAAGTCAGATGTGAAAGTTTGCGGCTCAACCGCAGAATTGCGGTTGGTACTGGATATCTTGAGTGCGTTGGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTTGCTGGACCGTAACTGACGCTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU9156;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9798),o:"Bacteroidales"(0.9753),f:Bacteroidaceae(0.9015),g:Bacteroides(0.8605);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGATGACTGACCTATGGGTTGTAAACTTCTTTTATACGGGAATAAAGTGACGCTCGTTTGCCTTTTTGTATGTACCGTATGAATAAGGACCGGCTAACTCCTTGCCAGCAGCCGCGGTAATACGGAGGATACGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGACGCTTAAGTCTGTTGTGAAAGTTTGCGGCTCAACCGTAAAACTGCAGTTGATACTGGTTGTCTTGAGTACAGTAGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCGTAGATATCACGAGGAACTCCGATTGCGAAGGCAGCTTGCTGGACTGTAACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU9155;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Lachnospiraceae(0.3884),g:Clostridium_XlVa(0.1735);

ACGGGAGGCAGCAGTGGGGGATATTGCTCAATGGGGGAAACCCTGATCCAGCGACGCCGCGTGAGGGAAGAAGTATCTCGGTATGTAAAGCTCTCTCTGCAGGGGAGAAAATGACGGTACCTGACTACGAAGCTCCGGATAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGATGCAAGTCTGGAGTGAAAGCCCAGGGCTCAACACTGGGACTGCTTTGGAAACTGTATGGCTAGAGTGCTGGAGAGGTAAGTGGAATTCGTAGTGTAGCGGTGAAATGCGTAGATATCAGGAAGAACACCAGTGGCGAAGGCGGCTTACTGGAGAGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9153;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6036),c:"Bacteroidia"(0.1159),o:"Bacteroidales"(0.0547),f:"Porphyromonadaceae"(0.0149),g:Barnesiella(0.0066);

ACGGGAGGCAGCAGTGAGGAATATTGCACAATGGAGGCAACTCTGATCCAGCCATGCCGCGTGAAGGACTAAGGACCTATGGGCTGTAAACTTCTTTAGCCGCAGAGCAATAAGGGCCACGCGCGGTCCGATGAGCGTATGCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCGGCTTTGCAAGTCAGCGGTGAAAGGCGCGGGCTTAACCCGGGGAGTGCCGTTGATACTGTGAGGCTGGAATGCGGGTGCTGTGGAAGGAATGAGTGGTGTAGCGGTGAAATGCATAGAGATCACTCAGAACACCGGTGGCGAAGGCATCTCGCAAATCCGCAATTGACGCTGAGGCACGAAGGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU9157;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8448),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3319),f:Bacteroidaceae(0.0560),g:Bacteroides(0.0134);

ACGGAAGGCAGCAGTGAGGAATATTGGACAATGGGCGCTAGCCTGAACCAGCCACGTAGCGTGAAGGAAGAAGGCTCTCTGGGTCGAAAACTTCTTTTATATGAGAATAAAGTGCAGTATGTATACTGTTTGGTATGTATTATATGAATCAGGACCGGCTAATTCTGTGCCAGCAGCCGCGGTAATCCGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGTCTGGTAAGTCAGCTGTGAAAACGCTGGGCTCAACTCGGCGCCTGCAGTGGAAACTGTCGGACTTGAGTGCAGGCAGGGATGCCGGAATTCATGGTGTAGCGGTGAAATGCTTAGATATTAGGAAGAACTCCGATGGCGAAGGCAGGTGTCCGGAGTGCTACTGACGCTGAGGCTCGAAAGTGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU9158;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9604),o:"Bacteroidales"(0.8629),f:"Prevotellaceae"(0.5632),g:Prevotella(0.0904);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTCAGTTACGTGTAACTGTTTGTAGGTACCGTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCTGGAGATTAAGCGTGTTGTGAAATGTAGTCGCTGAACGGCTGAACTGCAGCGCGAACTGGTTGTCTTGAGTAAGTTCGATGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTAACGAGGGCGTAACTGACGCTGAAGCTCGAAGGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU9161;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Bacilli(0.9791),o:Lactobacillales(0.8303),f:Lactobacillaceae(0.4914),g:Lactobacillus(0.1299);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGACTGATGGAGCAACATCGCGTGAGTGATGAAGGGCTTCGGCTCGTTAAACTCCGTTGTTGAAGAAGAACGTGCGTGAGAGTAACTGTTTACGCAGTGACGGTATTCAACAAGAAAGTCACGGTTAACTACGTCCCCGCAGCCGCGGCAATACGTAGGTGGCATGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTGTCTAAGTCTGATGTGAAATCCTGCGGCTTAACCGGAGAGGTGCATCGGGAACTGGATAACTTGAGTGCGAGAGAGGACAGTGGAACTCCTTGCGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCGATGGCGAAGGCGGCTGTCTAGCTTGCAACTGACGCTAAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU9160;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9762),o:"Bacteroidales"(0.9497),f:"Porphyromonadaceae"(0.8146),g:Parabacteroides(0.7162);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTAAGCCTGAACCAGCCAAGTCGCGTGAGGGATGACGGTTCTATGGATCGTAAACATCTTTTATAAGGGAATAAAGTGAGGGACGCGTCCCGTTTTGTATGTACCTTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGCATTTTAAGTCAGCGGTGAAAGTCTGTGGCTCAACCATAGAATTGCCGTTGAAACTGGCGGACTTGAGTGTGTTCGAGGCAGGCGGAATGCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACCCCGATTGCGAAGGCAGCCTGCCAAGCCATTACTGACGCTGATGCACGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU9159;tax=d:Bacteria(1.0000),p:Firmicutes(0.3448),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Ruminococcaceae(0.0149),g:Clostridium_IV(0.0056);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGTCCTATGGATTGTAAACTGCTTTTTTCGGGGAATAATAAGACTTTTGCGAAGGTTGATGCAGGTACCCGAAGAATAAGGATCGGCTAACTCCGTGCAAGCAGCCGCGGTAATACGGAGGATTCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGCAGCCGGGTCTGCAAGTCAGATGTGAAATCCATGGGCTCAACCCATGAACTGCATTTGAAACTGTAGATCTTGAGTGTCGGAGGGGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCAACTGGACGAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9163;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9348),c:"Bacteroidia"(0.6346),o:"Bacteroidales"(0.3639),f:"Prevotellaceae"(0.1098),g:Alloprevotella(0.0157);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTCCGGGTTGTAAACTGCTTTTAGTTGGGAATAAAGTTCGGGACGTGTCCCGATTTGTATGTACCATCAGAAAAAGTACCGGCTAATTCCGTTCCAGCAGCCGCGTTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTTAAGGGAGCGCAGGCGGTCTTTTAAGTCAGTTGTGAAATACGGCGGCTCAACCGTCGAACTGAAGTTGAAACTGGAAGTCTGGAGTTCACACAGGGATGCCGGAATTAATGGTGTAGCGGTGAAATGCTCAGATATCATGAAGAACTCCGAGAGCGAAGGCAGGCATCCGAGGTGTTACTGACGCTGAGGCTAGAAAATGCGGGTAACAAACAGGATTAGATACCCTGGTA

>OTU9164;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.9063),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);

ACGGGAGGCAGCAGTGAGGAATATTGGGCAATGGACGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTGTATATGGGAATAAAGTATTACACGACTGGGAGTTCGTATGTACCATATGAACAAGGATCGGCTAACGCCGTGCCAGCAGCCGCGGTAATTCGGAGGATCCGAGGGGCATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGATTGTTAAGTCAGTTGTGAAAGTTTACGGCTCAACTGTAGAGTTGCAGTTGAAACTGGCAGTCTTGAGTGTAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATGACGACGAACTCCGATTGCGAAGGCAGCTCACTAGACTGCAACTGACACTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU9162;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Bacilli(0.4428),o:Lactobacillales(0.2039),f:Lactobacillaceae(0.0904),g:Lactobacillus(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGATGAAGGCCCTTGGGTCGTAAACTTCTGTTCTAAGGGAAGATAACGACGGTACCTTAGGAGCAAGTCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGCGAGCGCAGGCGGTTACTTAAGTCTGATGTGAAAGCCTTCGGCTTAACCGAAGAAGTGCATCGGAAACTGGGTGACTTGAGTGCAGAAGAGGACAGTGGAACTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTCTAACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9165;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.4311),c:Sphingobacteriia(0.0525),o:"Sphingobacteriales"(0.0352),f:Sphingobacteriaceae(0.0086),g:Solitalea(0.0043);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGAAGGCCCTCTGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGTGCGTCGCGCACGTCCGATGAGAGTACCAGGGGACTAAGCATCGGCTACCGCCGTGCCAGCAGCCGCGGTAATGCGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCTGTGCGTCAAGTCAGGGGTGAAATTCCCGGGCTCAACGCCGGAGCTGCCCTTGATACTGTCGGGCTGGAGTGCGGATGCCGACGGAGGAGTGAGTGGTGTAGCGGTGAAATGCTTAGATATCACTAAGAACACCGATTGCGAAGGCATCTGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA
>OTU9167;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8628),c:"Bacteroidia"(0.4812),o:"Bacteroidales"(0.2359),f:"Porphyromonadaceae"(0.0904),g:Parabacteroides(0.0076);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGCGGGAAGAAGGTCCTACGGATTGTAAACTTCTTTTGCCCGGGAGCAAAGTCGCCATCGATGGCAGGATGTGCGTACCCGGAGTAAAAGCATCGGCTATCTTCGTGCCACCAGCCGCGGTAATACGCAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGACTCGTCAAGTCAGCGGTAAAAATTCGGGGCTCAACCCCGTCCTGCCGTTGAAACTGCGAGACTGGAGTGCGACAGAGGAAAGCGGAATGCGAGGTGTAGCGGTGAAATGCATAGATATCGCGCAGAACTCCGATTGCGAAGGCAGCTTTCCATGTCGTGACTGACGCTGAGACACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU9166;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Peptococcaceae_1(0.0457),g:Peptococcus(0.0110);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACCAGGGGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAAAACATAGGGGGCAAGCGTTGTCCGGAATCACTGGGCGTAAAGGGCGCGTAGGCGGTCTGTTAAGTCGGATGTGAAATGTAAGGGCTCAACCCTTAACGTGCATCTGATACTGGCAGACTTGAGTGCGGAAGAGGCAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCAGCCTGCTAAGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU9168;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9638),c:Spirochaetia(0.9038),o:Spirochaetales(0.799
5),f:Spirochaetaceae(0.5991),g:Treponema(0.3043);
ACGGAAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGAACGAAGAAGGC
CGTACGGTTGTAAAGTTCTTTTGAAACTGAAGAATAAGTATTGCCGGGAATGGCGCTATGGTGACGGTAGGTTTTGA
ATAAGCAACGGCTAATTACGTGCCAGCAGCCGCTGTAACACGTCCGTTGCTAGCGTTGTTCGGAATTATTGGGCGTAA
AGGGCATGTAGGCGGTTTTGCAAGCTTGGTGTGAAATGCATAGGCTCAACCTATGAACTGCATTGAGAACTACAAGA
CTTGAGTGAATGAGGGGGAAGTGGAATTCCAGGTGTAGGGGTGAAATCGGCAGATATCTGGAAGAACACCAATGG
CGAAGGCAAGTTTCAAGTAGATAACTGACGCTGAGGTGCGAAGGTGCGGGGAGCAAACAGGATTAGATACCCTGGT
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>OTU9170;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9987),c:Spirochaetia(0.9755),o:Spirochaetales(0.938
9),f:Spirochaetaceae(0.5273),g:Treponema(0.1299);
ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGACTGACGGAGCGATGCCGCGTGGATGCTGAAGGC
CGAAAGGTTGTAAAATCCTTTTGTACTGGAAGAATAAGCAGTGTAGGTAATGACATTGTGGTGACGGTACAGTTTGA
ATCAGCAACGGCTAATTACGTGCCAGCAGCCGCGGTAACACGTAAGTTGCGAGCGTTGTTCGGAATTATTGGGCGTA
AAGGGCATGTAGGCGGTGATCTAAGCGTGGTGTGAAAAGCAGGGGCTCAACGCCTGGACTGCAGTGAGAACTGGA
TAGCTAGAGTTACTGAAGTGAAATCAGAATGTCAAGTGTAGGGGTGAAATCTGTAGATATCTGGAAGAATACCAATG
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GTA
>OTU9171;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.9
389),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGAATGATCGT
CCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGGATACCCGTTTGCATGTACTTTATGAATAAGTA
TCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGTAGATGGATGTTTAAGTCAGGTGTGAAAGTTTGCGGCTCAACCGTAAAAGTGCAGTTGATACTGGATATCTTGAG
TGCAGTTGAGGTAGGCGGAATTCGTGGTTTAGCGGTGAAATGCTTAGATATCTCGAAGAACTCCGATTGCGAAGGCA
GCTTGCTAAGCTGCAACTGACATTCACGTTCGAAAGTGTGGGTATAAAACAGGATTAGATACCCTGGTA
>OTU9173;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9784),o:"Bacteroidales"(0.9
707),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGGCGAAAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
CCTATGGTTTTTAAGCTTCTTTTTTAAAGGAATAAATTCGGGTATGCATACCCGTTTGCATGTACTTTATGAATAAGGA
TCGGCTAACTCCGTGCCAGCAGCCGCGGTTATACGGAGGTTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGTAGATGGATGTTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAGAGTTGCATTTGATACTGGATATCTAGAGT

GCAGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCA
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>OTU9169;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Eubac
teriaceae(0.3884),g:Eubacterium(0.1735);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTA
TTTCGGTGTGTAAACTTCTATCAGCAGGGAAGAAAATGACGGTACCTGACGAAGAAGCCCCGGCTAACTACGTTCCG
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGGTGCA
AGTCTGATGTGAAATCCCGGGGCTCAACCCCGGGACTGCATCGGAAACTGGATGGCTTGAGTGTCGGAGAGGCAGG
CGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATCAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGAT
GACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9172;tax=d:Bacteria(1.0000),p:Firmicutes(0.1707),c:Clostridia(0.0626),o:Clostridiales(0.0413),f:Rumin
ococcaceae(0.0099),g:Oscillibacter(0.0046);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGACGGCGGC
CCTATGGATTGTAAACTGCTTTTATCGGGGAATAATAAGACTCTCGCGAAGGTTGATGCATGTACCCGAAGAATAAG
GATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGTTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGG
CGTGTAGCCGGGTAGTCAAGTCTGATGTGAAATCCGCGGGCTTAACTCGTGAACTGCATTTGAAACTGTGTTTCTTGA
GTATCTGAGACGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCTTAGATATTACGAGGAACACCAGTTGCGAAGGC
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>OTU9174;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9992),c:Epsilonproteobacteria(0.9933),o:Campylob
acterales(0.9798),f:Helicobacteraceae(0.9387),g:Helicobacter(0.9085);
AAGGAAGGCAGCAGTAGGGAATATTGCTCAATGGGGGAAACCCTGAAGCAGCAACGCCGCGTGGAGGAGGAAGGT
TTTAGGATTGTAAACTCCTTTTGTTAGAGAAGATAATGACGGTATCTAACGAATAAGCACCGGCTAACTCCGTGCCAG
CAGCCGCGGTAATACGGAGGGTGCAAGCGTTACTCGGAATCACTGGGCGTAAAGAGCGCGTAGGCGGAATAACAA
GTCAGATGTGAAATCCTATGGCTTAACCATAGAACTGCATTTGAAACTGTCATTCTAGAGTATGGGAGAGGTAGGTG
GAATTCTTGGTGTAGGGGTAACATCCGTAGATATCAAGAGGAATACTCATTGCGAAGGCGACCTGCTAGAACATAAC
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>OTU9176;tax=d:Bacteria(0.0024),p:"Bacteroidetes"(0.0000),c:"Bacteroidia"(0.0000),o:"Bacteroidales"(0.0
000),f:"Rikenellaceae"(0.0000),g:Rikenella(0.0000);
CCGGTAGCGTTGACCCTCATTTTGGTCGTCGGGTACGCAATCGTCGCCCGTTAAATCGCTTTCAAAATACGTGGCCTTA
TGGTTACAGTATGCCCATCGCAGTTCGCTACACGCAGGACGCTTTTTCACGTTCTGGTTGGTTGTGGCCTGTTGATGCT
AAAGGTGAGCCGCTTAAAGCTACCAGTTATATGGCTGTTGGTTTCTATGTGGCTAAATACGTTAACAAAAAGTCAGAT
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GAAGCTGTGCAGAATCAGAAGGAGCCGCAACT

>OTU9175;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Bacilli(0.9812),o:Lactobacillales(0.8412),f:Lactobacillaceae(0.5991),g:Lactobacillus(0.0904);
AAGGGAGGAAGAAGGAGGGAAGAGGGGAAAAGGGGAGAAAGCCTGATGGAGCAACACAGCGTGAAGGAAGAAGGGTTTCGGCGCGGAAAGCTCTGTTGTTGGGGAAGAGCGTGCGGGAGAGTAACTGTTCACGCAGTGACGGTATCCAAACAGAAAGTCAAAGCTAACTACGTGCCAGCAGCCGCGGTGATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCGGGCGGTTGCTTAGGTCTGATGTGAAATGCTTCGGCTTAACCGAAGAATTGCATCGGCAACCGGGTGACTTGAGTGCAGACGAGGACAGTGGAACTCTAGGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU9177;tax=d:Bacteria(0.9827),p:"Bacteroidetes"(0.5174),c:"Bacteroidia"(0.0525),o:"Bacteroidales"(0.0352),f:Prolixibacteraceae(0.0086),g:Prolixibacter(0.0043);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAGGCCCGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCCTATGGGCTGTGAACCGCTTTTGCCTGGGGACAATAAGAGCGTCGCGCACGTCCTTTGAGAGTACCAGGCAAATAAGCATCGCCTAACTCCGTGCCAGCACCCGCGTTAATACGGGGGTTGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCTGTGCGTTAAGTCGGTGGTGAAATTCCGGTGCTCAACACCGGGGCTGCCCTTGATACTGTCGCGCTGGAGTGCGGATGACGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACACCGATTGCGAAGGCAGCTGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA
>OTU9178;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Ruminococcaceae(0.0355),g:Sporobacter(0.0087);
ACGGAAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCCGACGGAGCGACGCCGCGTGAACGAAGAAGGCCGGAAGGTTGTAAAGTTCTTTTGAAACTGAAGAATAAGTATTGCAGGGAATGGCGATATGGTGACGGTAGGTTTTGAATAAGCAGCGGCTAATTACGTGCCAGCAGCCGCGGTAACACGTAAGTTGCGAGCGTTGTTCGGAATTACTGGGTGTAAAGGGCGCGTAGGCGGGAATGCAAGTCAGATGTGAAATCTAGGGGCTTAACCCCTAAACTGCATTTGAAACTGTATTTCTTGAGTGTCGGAGAGGTTGACGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9180;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8520),f:"Prevotellaceae"(0.5632),g:Prevotella(0.1299);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAATGTGGGACGCGTCCCTTATTGCAGGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTTCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTTTTAAGCGTGTTGTGAAATGCCGCGGCTGAACCGTGGCACTGCAGCGCGAACTGGAGGACTTG

AGTGCGCAGGAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCATGAAGAACCCCGATTGCGAAG
GCAGCTTACCGTAGCGTTACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU9179;tax=d:Bacteria(0.9450),p:"Bacteroidetes"(0.4311),c:"Bacteroidia"(0.0525),o:"Bacteroidales"(0.0
352),f:"Rikenellaceae"(0.0086),g:Alistipes(0.0043);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGTCCGAACCAGCCATGCCGCGTGCGGGAAGAAGGC
CCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGGGTAGCAGGCGAATA
GGCTTCGGCTACCTCCGTGCCAGAAGCCGCGGTAATACGAGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAG
GGTGCGTAGGCTGTGCGTCAAGTCGGCGGTGAAATTCCGGTGCTCAACCCCGGGGCTGCCCTTGATACTGTCGCGCT
TGAGTGCGGATGCCGCCGGAGGAATGTGTAGTGTAGCGGTGAAATGCTTAGATATCACACAGAACACCGATTGCGA
AGGCAGCTGGCGAAGCCGGAACTGACGCTGAGGCACGAAGGCGTGGGGATAGAACAGGATTAGATACCCTGGTA
>OTU9182;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9762),o:"Bacteroidales"(0.9
497),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
CCTATGGGTTGTAAACTTCTTTTATAAAGAAAAAAAGTCGGGTATGCATACCGGTTTGCATGTACTTTATGAATAAGG
AACGGCTAACTCCGTGCCATCAGCCGCGGTAATACGGAGGATCGGAGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGATGGATGTTTAAGTCAGTTGTGAAAGTTTGGGGCTCAACCGTAGAATTGCAGTTGAAACTGGATATCTTGA
GTGCAGTTGAGGCAAGCGGAATTCGTAGTGTAGCGGTGAAATGCCTAGATATCACGAAGAACTCCGATTGCGAAGG
CAGCCTGCTGGACTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU9183;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.9
063),f:Bacteroidaceae(0.6350),g:Bacteroides(0.4787);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
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ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGTGGATGTTTAAGTCAGATGTGAAAGGTCGCGGCTCAACCGTGAAACTGCAGCTGATACTGGATATCTTGA
GTGCAGTTGAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGAGATCACGAAGAACTCCGATTGCGAAGG
CAGCTTGCGAAGCTGTAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU9181;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Eubac
teriaceae(0.4563),g:Eubacterium(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCATGAATGATGAAGGC
TTTCGGTATGTAAACTTCTATCAGCGAGGAAGAAAATGACGGTACCTGCCTAAGAAGCCCCGGCTAACTCCGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGAGTAA
GTCAGATGTGAAAACCCGGGGCTCAACCTCGGGACTGCATTGGAAACTACGCGGCTAGAGTGTCGGAGAGGATAGT

GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATG
ACTGACGTTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9186;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9861),o:Lactobacillales(0.8737),f:Lactoba
cillaceae(0.6709),g:Lactobacillus(0.3915);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGCAGCCACGCCGCGTGTGTGAAGAAGGGT
TTCGGGTTGTAAAGTTCTGTCGGTGGGGAAGAAAGATAGAGATAGTAACTCTTCTTTATTTGACGGTAACTACTGAAA
AAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAA
GCGAGTGCAGGCGGTTGGATAAGTCTGATGTGAAAGCCTTCGGCTTAACCGGAGAATTGCATCGGAAACTGTTGGA
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>OTU9184;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Clostri
diaceae_1(0.2864),g:Clostridium_sensu_stricto(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
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GTCAGTTGTGAAAGTTTGCGGCTCAACCGTGAGATTGCAGTTGATACTGGATAGCTTGAGTGCAGTTGAGGCAAGCG
GAATTCGTAGTGTAGCGGTGAAATGCTTAGATATCACGAGGAACTCCAATTGCGAAGGCAGCTTGCTGGACTGTAAC
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>OTU9185;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6036),c:"Bacteroidia"(0.0626),o:"Bacteroidales"(0.0
413),f:"Porphyromonadaceae"(0.0099),g:Coprobacter(0.0046);
ACGGAAGGCAGCAGTGAGGAATATCGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
CCTATGGGCTGTGAACCGCTTTTGCCTGGGGACAATAGGGGCGTCGCGCACGTCCGATGAGAGTACCAGGGGAATA
AGCATCGGCTACCTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAG
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>OTU9187;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:"Bacteroidia"(0.0726),o:"Bacteroidales"(0.0
473),f:Prolixibacteraceae(0.0113),g:Prolixibacter(0.0056);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
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TGGAGTGCGTATGCCGCCGGAGGAATTAGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACCCCGATTGCG
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>OTU9188;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9740),o:"Bacteroidales"(0.9
172),f:"Porphyromonadaceae"(0.7787),g:Parabacteroides(0.6681);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTAAGTCTGAACCAGCCAAGTCGCGTGAGGGATGAAGGT
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AGTATGTATAAGGCAGGCGGAATGCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACCCCGATTGCGAAG
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>OTU9190;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9180),o:"Bacteroidales"(0.8
303),f:"Porphyromonadaceae"(0.4563),g:Parabacteroides(0.1735);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGAGAGGCTGAACCAGCCAAGTCGCGTGAAGGATGAAGGA
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TCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTG
CGTAGGTGGTTTCTTAAGTCAGAGGTGAAAGTTTAAGGCTTAACCATGAAATTGCCTTTGAAACTGGGAAACTAGAG
TATGTTAGAGGGAGGCGGAATGCGTGGTGTAGCGGTGAAATGCGTAGATATCAGGAAGAACACCGATTGCGAAGG
CAGCTAGCCAAGCCAAAACTGACACTGAAGCACGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU9189;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8267),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3
319),f:Bacteroidaceae(0.1098),g:Bacteroides(0.0204);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACTGC
CCTATGGGTTGTAAACTTCTTTTATACGGGGATAAAGTGAGGCACGTGTGCCTTTTTGTATGTACCGTATGAATAAGG
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AGCGTAGGCGGACTTGTAAGTGTGATGTGAAATACCCAGGCTCAACGGGTGGACTGCATTGCAAACTGGAAGTCTTG
AGTGCAGGCGATGATGGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGGGATCAGGAAGAACACCAATTGCGAAG
GCGACTCTCTAGACCTTTACTGACGCTGAGGCTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU9193;tax=d:Bacteria(0.0024),p:"Fusobacteria"(0.0000),c:Fusobacteriia(0.0000),o:"Fusobacteriales"(0.
0000),f:"Fusobacteriaceae"(0.0000),g:Fusobacterium(0.0000);
TTGAACCCTCATCCTTACTACCTTTCTTTTTGGGGTAATTCTCCTCATCGCGAATATCCTTCCGAGGGCGTTCAGCAGCC
AGCTTGCGGCCACACTGCGTAACCGTCTTCTCGTTCTCTAAAAACCATTTTTCGTCCCCTTCGGGGCGGTGGTCTATAG
TGTTATTAATATCAAGTTGGGGGAGTACATTGTAGCATTGTGCCAATTCATCCATTAACTTCTCAGTAACAGATACAAA
CTCATCACGAACGTCAGAAGCAGCCTTATGGCCGTCAACATACATATCACCATGATCGAACTCAACGCCCGGCAGACG
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>OTU9192;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8628),c:Sphingobacteriia(0.3483),o:"Sphingobacteriales"(0.1483),f:Sphingobacteriaceae(0.0560),g:Parapedobacter(0.0110);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGAGGCAACTCTGAACCAGCCATGCCGCGTGAAGGACTAAGGCCCTATGGGCTGTAAACTTCTTTAGACGCAGGACAATAAGGGCCACGTGTGCTCCGATGAGAGTACGCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGGTCCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCGGCTGGGCAAGTGAGCGGTGAAAGGCAGGGGCTCAACACGTGCAGTGCCGTGGAAACTGGGTGGCTTGAATGCGGTTGATGTTGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCACTCAGAACACCGATTGCGAAGGCAGCTAACAAGGCCGCAATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU9191;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9784),o:"Enterobacteriales"(0.8737),f:Enterobacteriaceae(0.7787),g:Escherichia/Shigella(0.3479);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTGCTCATTGACGTTACCCGCCGAAGAAGCACCGGATAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAACGTTAATCGGAATTACTGGGCGTAAAGCGCACGCAGGCGGTTTGTCAAGTCAGAAGTGAAAACCTCGGGCTCAACCGGGGAACTGCATCGGATACCGGCTAGCGTGAGTATCGTAGAGGTGGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGGCGAAGGCGGCCCCCTGGACGAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9194;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9740),o:"Bacteroidales"(0.9172),f:Bacteroidaceae(0.6350),g:Bacteroides(0.4787);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTGTAAAGGAATAAAGTGGTGTATGGATGCCGGTTTGCATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGATGTTTAAGTCAGTCGTGAAAGTTTGCCGCTCAACCGTAAAATTGCAGTTGATACTGGTTATCTTGAGTGCGGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACCCCGATTGCGAAGGCAGCCTGCTAGGGTGCAACTGACACTGAGGCTCGAAAGTGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU9195;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9990),c:Epsilonproteobacteria(0.9711),o:Campylobacterales(0.8412),f:Campylobacteraceae(0.6709),g:Campylobacter(0.5239);
ACGGGAGGCAGCAGGAGGGAATATTGCGCAATGGGGGGAACCCTGACGCAGCAACGCCGAGTGGAGGATGAAACTTTTCGGAGCGTAAACTCCTTTTCTTAGGGAAGAATGCTGACGGTACCTAAGGAATAAGCACAGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTACTCGGAATCACTGGGCGTAAAGGGCGCGTAGGCGGATTATCAAGTCTCTTGTGAAATCTAATGGCTTAACCATTAAACTGCTTGTGAAACTGATAGTCTAGAGTGTGCGAGAGGCAGCTGGAATTTGTGGTGTAGCGGTAAAATCCGTAGATATCCCCAAGAATACCCATTGCGAAGGCGGTCTGCTGGACCTCCCCTGCCCCTCAGTCGCGCGAGCGTCGGGAGCCAACAGGATTAGATACCCTGGTA

>OTU9196;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9719),o:"Bacteroidales"(0.8846),f:"Porphyromonadaceae"(0.6709),g:Parabacteroides(0.5239);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTAGCGTGAGGGATGAAGGTTCTATGGATCGTAAACCGCTTTTATAAGGGAATAAAGTGCGGGACGTGTCACGTATTGGAGGTACCGTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCCGCCTTTGAAGCCAGCGGTGAAAGTCTGTGGCTCAACGCTAGACTTGCCGTTGAAACTGGGCGGCTTGAGTGTGTTTAAGGCAGGCGGAATGCGTGGTGTAGCGGTGAAATGCTTAGATATCACGCAGAACCCCGATTGCGAAGGCAGCCTGCCAAGGCATTACTGACGCTTATGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA
>OTU9197;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.9606),f:"Porphyromonadaceae"(0.9294),g:Butyricimonas(0.8605);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAATGGTCTATGGCCTGTAAACCTCTTTTGTCAGGGAAGAATAAGGATGACGGGTCATTCGATGCCAGTACTTGACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCTGCGGTAATACGGGGGAAGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGCTCGTAGGCGGGACGTCAAGTCAGCGGTAAAACACTGCAGCGAAACTGGAGCATGCCGTTAAAACTGGCGCCCTGGAGACGAGACGAGGGGGGCGGAACAAGTGGAGTAGCGGTGAAATGCATATATATCAGTTGGAACCCCAGTAGCGAAGGCGGCTACCCAGGCTCGTTCTGACGCTGATGCGCGAGAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU9199;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9507),c:"Bacteroidia"(0.8048),o:"Bacteroidales"(0.5395),f:"Prevotellaceae"(0.2184),g:Alloprevotella(0.0326);
AAGGGAGGAAGAAGGGAGGAAGATTGGGCAAGGGACGAGAGTCGGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTCCGGGTTGTAAACTGCTTTTAGTTGGGAATAAAGTTCGGGACGTGTCCCGATTTGTATGTACCATCAGAAAAAGGACCGGCTAATTCCGTGCAAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGTGGGCTTTTAAGTCAGTAGTGAAATACGGCGGCTCAACCGTCTGACTGCAGTTGAAACTGGAAGTCTTGCGCTCACACAGCGATGCTGGAATTCATGGTGTAGCGGTGAAATGCTCAGATACCATGAAGAACTCCGATCGCGAAGGCAGGCATCCGGTGTGTTACTGACGCTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU9202;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9992),c:Fusobacteriia(0.9861),o:"Fusobacteriales"(0.9941),f:"Fusobacteriaceae"(0.9294),g:Fusobacterium(0.4787);
ACTTTATTCATCAGTATTTAATCTTTTACAATTTACCAAAATTCTTATCCATCAATTCTTTTTTCACTATGACGGTCTTAGGATTGTAAATTGCTTTCAATTGGGAAGAAACAAATGACGTTACCAATAGAAGAAGCGACGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGTCGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGCGTCTAGGTGGTTTGGTAAGTCTGATGTGAAAATGCGGGGCTCAACTCCGTATTGCGTTGGAAACTGCCTAACTAGAGTATCGGAGAGGTGGGCGGAACTACAAGTGTAGAGGTGAAATTCGTAGATATTTGTAGGAATGCCGATAGAGAAGTCAGCTCACTGGACGAATACTGACACTGAAGCGCGAAAGCATGGGGAGCAAACAGGATTAGATACCCTGGT

>OTU9200;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Ruminococcaceae(0.1098),g:Saccharofermentans(0.0134);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTCTTCGGATTGTAAACTTCTTTTATGAGGGACGAAGGACGTGACGGTACCACATGAATAAGCCACGGCTAACTACGTGCAAGCAGCCGCGGAAATACGTAGGTGGCAAGCGTTAGCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGGATGCAAGTCAGATGTGAAAGCCTTTGGCTTAACCCAGGAACTGCATCGGACACTGTCAGACTTGAGTGCAGAAGAGGACAGTGGAACGCCATGTGTAGCGGTGAAATGCGTAGAGATCTGAAAGAACACCAGTGGCGAAGGCGGCTGACTGATCTGCAACTGACGCTGAGGCACGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU9201;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.6881),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0615);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGCCCTATGGGTTGTAAACTGCTTTTATAAGGGAATAAAGTGAGCCTCGTGAGGCTTTTTGCATGTACCTTATGAATAAGGACCGGCTAATTCCGCGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGACGGGATGTTAAGTCGGCCGGTAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTTGCGTTCTTGAGTGCAGTTGAGGTGTGCGGAATTCGTGGTTTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGTAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU9198;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.8808),c:Deltaproteobacteria(0.7114),o:Desulfovibrionales(0.2999),f:Desulfovibrionaceae(0.1485),g:Desulfovibrio(0.0326);
ACGGGGGCAGCAGTGGGGAATCTTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGTCTTCGGATCGTAAACCTCTGTCAGAAGGGAAGAAACTAGGGTGCTCTAATCATCATCCTACTGACGGTACCTTCAAAGGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTGTTCGGAATTACTGGGCGTAAAGGGCGTGCAGGCGGCCACCGCAAGTTGAATGTGAAATCCCCGGGCTTAACCCGGGAAGTGCGTTCAAGACTGCGGGGCTTGAATACGGGAGAGGATCGTGGAATTCCTGGTGTAGAGGTGAAATTCGTAGATATCAGGAGGAACACTCGTGGCGAAGGCGGCTTACTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9203;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Deltaproteobacteria(0.9820),o:Desulfovibrionales(0.9798),f:Desulfovibrionaceae(0.9573),g:Desulfovibrio(0.9566);
ACGGGAGGCAGCAGTGGGGAAGAGGGGGAAAGGGGAGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGTCTTCGGATCGTAAACCTCTGTCAGAAGGGAAGAAACTAGGGTGTTCTAATCAGCATCCTACTGACGGTACCTTCAAAGGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGATAATACGTAGGGTGCAAGCGTGAATCGGAATCACTGGGCGTAAAGCGAACGTAGGCTGTTATGTAAGTCAGGGGTGAAAGCCCACGGCTCAACCGTGGAACTGCCCTGGATACTGCACGACTCGAATCCGGGAGAGGGTGGCGGAATTCCAGGTGTAGGAGTGAAATCCGTAGATATCTGGAGGAACATCAGT

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>OTU9204;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.9
280),f:"Prevotellaceae"(0.7787),g:Prevotella(0.2607);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGC
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AGCGTAGGCCGGAGATTAAGCGTGTTGTGAAATGTAGATGCTCAACATCTGCACTGCAGCGCGAACTGGCAGACTTG
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>OTU9205;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8448),c:"Bacteroidia"(0.2902),o:"Bacteroidales"(0.1
249),f:Prolixibacteraceae(0.0457),g:Tangfeifania(0.0110);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGAGAGGCTGAACCAGCCATGCCGCGTGCGGGATGACGGC
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>OTU9206;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9605),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5
023),f:"Prevotellaceae"(0.1485),g:Prevotella(0.0326);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGAGGGAAGACTGC
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CAGCTGACAAGGCTACAACTGACGCTAAAGCTCGAAGGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU9208;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.9
606),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);
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>OTU9207;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Erysipelotrichia(0.4812),o:Erysipelotrichales(0.23
59),f:Erysipelotrichaceae(0.1098),g:Turicibacter(0.0204);
ACGGAAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGAATGATGAAGGC
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497),f:"Rikenellaceae"(0.9201),g:Alistipes(0.8124);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCATGCCGCGTGCAGGAAGACGGCT
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>OTU9209;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.2586),c:"Bacteroidia"(0.1159),o:"Bacteroidales"(0.0
547),f:"Porphyromonadaceae"(0.0149),g:Butyricimonas(0.0066);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAAGGG
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ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGC
GCGTAGGCGGGAATGCAAGTCAGATGTGAAATCTAGGGGCTTAACCCCTAAACTGCATTTGAAACTGTAATTCTTGA
GTATCGGAGAGGTTGACGGAATGCCTAGTGTCGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGG
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>OTU9210;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.7
995),f:Bacteroidaceae(0.3884),g:Bacteroides(0.1735);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGGGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
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ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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753),f:Bacteroidaceae(0.9015),g:Bacteroides(0.8605);
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cillaceae(0.9201),g:Lactobacillus(0.7643);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCCACGCCGCGTGAGTGAAGAAGGG
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483),f:"Prevotellaceae"(0.0252),g:Prevotella(0.0076);
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bacteraceae(0.1291),g:Lutispora(0.0230);
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303),f:Bacteroidaceae(0.4563),g:Bacteroides(0.2607);
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0.9753),f:Actinomycetaceae(0.9015),g:Trueperella(0.5720);
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diaceae_1(0.7068),g:Clostridium_sensu_stricto(0.5720);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCTTGAGTGATGAAGGT
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cillaceae(0.6350),g:Lactobacillus(0.3043);
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diaceae_1(0.0710),g:Caloramator(0.0157);
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766),f:Bacteroidaceae(0.2864),g:Bacteroides(0.0808);
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acteriales"(0.8629),f:Enterobacteriaceae(0.7428),g:Escherichia/Shigella(0.3479);
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249),f:"Porphyromonadaceae"(0.0457),g:Barnesiella(0.0087);
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412),f:Bacteroidaceae(0.5273),g:Bacteroides(0.3479);
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cillaceae(0.1098),g:Lactobacillus(0.0204);
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679),f:"Porphyromonadaceae"(0.1098),g:Barnesiella(0.0181);
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063),f:Bacteroidaceae(0.5991),g:Bacteroides(0.4351);
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821),f:Bacteroidaceae(0.9108),g:Bacteroides(0.9085);
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063),f:Bacteroidaceae(0.6350),g:Bacteroides(0.4787);
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9),f:Spirochaetaceae(0.4563),g:Treponema(0.0808);
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520),f:Bacteroidaceae(0.4563),g:Bacteroides(0.2607);
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280),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);
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acteriales"(0.6881),f:Enterobacteriaceae(0.4914),g:Escherichia/Shigella(0.1299);
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606),f:Bacteroidaceae(0.8505),g:Bacteroides(0.7643);
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685),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);
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483),f:Bacteroidaceae(0.0560),g:Bacteroides(0.0134);
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cillaceae(0.0355),g:Lactobacillus(0.0087);
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diaceae_1(0.6350),g:Clostridium_sensu_stricto(0.4787);
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999),f:"Prevotellaceae"(0.0457),g:Prevotella(0.0110);
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ospiraceae(0.5273),g:Clostridium_XlVb(0.1735);
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ospiraceae(0.0355),g:Cellulosilyticum(0.0087);
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955),f:"Prevotellaceae"(0.6350),g:Prevotella(0.3479);
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679),f:Bacteroidaceae(0.1291),g:Bacteroides(0.0230);
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629),f:Bacteroidaceae(0.3884),g:Bacteroides(0.1735);
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coccaceae_2(0.0904),g:Desulfotomaculum(0.0181);
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781),f:"Marinilabiaceae"(0.0252),g:Anaerophaga(0.0076);
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ospiraceae(0.0710),g:Dorea(0.0157);
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280),f:Bacteroidaceae(0.1291),g:Bacteroides(0.0230);
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ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGATGAATGG
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CGTGTAGCCGGGAGGGCAAGTCAGATGTGAAATCCACGGGCTCAACTCGTGAACTGCATTTGAAACTACTCTTCTTG
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ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGAACGAAGAAGGC
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ospiraceae(0.1485),g:Clostridium_XlVa(0.0326);
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ospiraceae(0.3544),g:Clostridium_XlVa(0.1299);
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coccaceae_1(0.2524),g:Peptococcus(0.0615);
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ospiraceae(0.5991),g:Clostridium_XlVa(0.3479);
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ococcaceae(0.3544),g:Oscillibacter(0.0423);
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483),f:"Prevotellaceae"(0.0252),g:Prevotella(0.0076);
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ococcaceae(0.7787),g:Clostridium_IV(0.2607);
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781),f:"Porphyromonadaceae"(0.0252),g:Barnesiella(0.0066);
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846),f:"Rikenellaceae"(0.8146),g:Alistipes(0.7162);
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719),f:"Prevotellaceae"(0.0710),g:Prevotella(0.0134);
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ococcaceae(0.0710),g:Acetivibrio(0.0110);
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ospiraceae(0.1291),g:Clostridium_XlVa(0.0230);
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172),f:"Prevotellaceae"(0.4563),g:Prevotella(0.2607);
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2),f:Spirochaetaceae(0.2864),g:Treponema(0.0519);
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GCCGAGCTGCAACATGAGCCTCAAAAAGAGATTGCTGGCATTCAGTCGGCGACTTCACGCCAGAATACGAAAGACCA
GGTATATGCACAAAATGAGATGCTTGCTTATCAACAGAAGGAGTCTACTGCTCGCGTTGCGTCTATTATGGAAAACAC
CAATCTTTCCAAGCAACAGCAGGTTTCCGAGATTATGCGCCAAATGCTTACTCAAGCTCAAACGGCTGGTCAGTATTT
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846),f:"Rikenellaceae"(0.7428),g:Alistipes(0.6200);
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bacteraceae(0.0073),g:Lutispora(0.0039);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
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teriaceae(0.1679),g:Eubacterium(0.0423);
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280),f:"Prevotellaceae"(0.1291),g:Prevotella(0.0181);
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ococcaceae(0.1291),g:Clostridium_III(0.0204);
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AGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGCGTGTAGCCGGGAGGGC
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ospiraceae(0.0355),g:Clostridium_XlVa(0.0087);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGACGGT
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9),f:Spirochaetaceae(0.4563),g:Treponema(0.0904);
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023),f:Bacteroidaceae(0.1291),g:Bacteroides(0.0230);
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319),f:"Prevotellaceae"(0.1679),g:Prevotella(0.0204);
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acteriales"(0.1719),f:Enterobacteriaceae(0.0710),g:Escherichia/Shigella(0.0157);
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cillaceae(0.2184),g:Lactobacillus(0.0615);
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730),f:"Porphyromonadaceae"(0.9480),g:Butyricimonas(0.9686);
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781),f:Prolixibacteraceae(0.0252),g:Prolixibacter(0.0076);
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acteriales"(0.1015),f:Enterobacteriaceae(0.0355),g:Escherichia/Shigella(0.0087);
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843),f:Bacteroidaceae(0.9480),g:Bacteroides(0.9724);
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diaceae_1(0.5273),g:Clostridium_sensu_stricto(0.3043);
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diaceae_1(0.4224),g:Clostridium_sensu_stricto(0.2171);
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063),f:"Prevotellaceae"(0.4914),g:Prevotella(0.3043);
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occaceae(0.5991),g:Enterococcus(0.3915);
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ospiraceae(0.5273),g:Blautia(0.3043);
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172),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);
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cillaceae(0.6350),g:Lactobacillus(0.3479);
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diaceae_1(0.0457),g:Clostridium_sensu_stricto(0.0110);
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753),f:Bacteroidaceae(0.8505),g:Bacteroides(0.7643);
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ospiraceae(0.0904),g:Blautia(0.0157);
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955),f:"Porphyromonadaceae"(0.7428),g:Parabacteroides(0.6200);
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172),f:Bacteroidaceae(0.5273),g:Bacteroides(0.3479);
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412),f:Bacteroidaceae(0.3204),g:Bacteroides(0.0904);
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497),f:Bacteroidaceae(0.8505),g:Bacteroides(0.7643);
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707),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);
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coccaceae_1(0.0000),g:Desulfitobacterium(0.0000);
TTGAATGTTGACGGGATGAACATAATCAGCACTGACGGCAGCCATAAACTCCACAGGAGCAGGAAAGCGAGGGTAT
CCTCCAAAGTCCAGCGTACCATAAACGCAAGCCTCAACGCAGCGACGAGCACGAGAGCGGTCAGTAGCAATCCAAAC
TTTGTTACTCGTCAGAAAATCGAAATCATCTTCGGTTAAATCCAAAACGGCAGAAGCCTGAATGAGCTTAATAGAGGC
CAAAGCGGTCTGGAAACGTACGGATTGTTCAGTAAATTGACGCATGATTTCTTACCGATGAGTGGGTGAACAGCATC
GGAATCAGATAGGAATCCACGATCTTTTAAAAGGTAAACAAGAGAATCTCTACCATG
>OTU9425;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:"Bacteroidia"(0.3483),o:"Bacteroidales"(0.1
483),f:Prolixibacteraceae(0.0457),g:Prolixibacter(0.0110);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGAAGGC
CTTCGGGTTGTAAACTTCTGTTCTTAGGGAAGAAGAAAGTGACGGTACCTAAGGAGAAAGCCCCGGCTAACTCCGTG
CCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCTGTGCGT
CAAGTCAGGGGTGAAATTCCGGGGTTCAACTCCGGGGCTGCCCTTGATACTGTCGCGCTGGAGTGCGGATGCCGCCG
GAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACTCAGAACACCGATTGCGAAGGCATCTGGCGAATCCG
TAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA
>OTU9426;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Rumin
ococcaceae(0.7428),g:Gemmiger(0.0904);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGGGGAAGAAGG
CTTTCGGATTGTAAACCCCTGTCGTCAGGGACGATAATGACGGTACCTAACGAGAAAGCAACGGCTAACTACGTGCC
AGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGACCGTC
AAGTTGGAAGTGAAATCTATGGGCTCAACCCGTACATTGCATTTCAAACTGGTGGTCTTGAGTAGTGCAGAGGTAGG
TGGAATTCCCGGTGTAGCGGTGGAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGACCCACTGGGCACC
AACTGACGCTGAGGCTCGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU9428;tax=d:Bacteria(0.0024),p:"Bacteroidetes"(0.0000),c:Sphingobacteriia(0.0000),o:"Sphingobacteriales"(0.0000),f:Chitinophagaceae(0.0000),g:Niabella(0.0000);

CATCGCGAATCTCCTTACGAGGGCGTTCAGCAGCCAGCTTGCGGCAACCCTGCGTACCCGTCTTCTCGTTCTCTACCCACCATTTTTCGTCCCCTTCGGGGCGGTGGTCTATAGTGTTATTAATATCAAGTTGGGGGAGCACATTGTAGCATTGTGCCAATTCATCCATTAACTTCTCAGTAACAGATACAAACTCATCACGAACGTCAGAAGCAGCCTTATGGCCGTCAACATACATATCACCATTATCGAACGCAACGCCCTGCATACGAAAAGACAGAAGCTCTTCCAAGAGCTGGATGCGGGTATCCATCTGCTTATGGAAGCCAAGCATTGGGGATTGAGAAAGAGTAGAAAGGCCACAAGCCTCAATAGCAGGTTTAAGA

>OTU9430;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Eubacteriaceae(0.4563),g:Eubacterium(0.2607);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAGACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTATTTCGGTATGTAAACTTCTATCAGCAGGGAAGAAAATGACGGTACCTGAATAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTACTGGGCGTAAAGGGCGCGTAGACGGCTGGGTAAGTCTGATGTGAAAACCCGGGGCTCAACCCCGGGACTGCATTTGAAACGATGCGGCTAGAGTGTCGGAGAGGGAAGTGGAATTCCCAGTGTAGCGGTGAAGTTCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCATACTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9429;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9776),o:"Enterobacteriales"(0.8846),f:Enterobacteriaceae(0.8146),g:Escherichia/Shigella(0.3915);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTGCTCCTTGACGTTACCCGCAGAAGAAGCACCGGCTAACTCCGTGACAGCAGCCGAGGTAATACGGAGGGTGCAAGCGGTCGTCGGAATTACTGGGCGTAAAGAGCACGCAGGCGGTTTGTTAAGTCAGATGTTAAATCCCCGGGCTCAACCTGGGAACTGCTTTTGATACTGGCAAGCTTGAGTCTCGTAGAGGGTTGTAGAATTCCAGGGGTAGCGGTGAAATTCGTAAAGATCTGGAGGAAGACCGGTGGCGAAGGCGGCCCCCTGGTCGAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9431;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9991),c:Gammaproteobacteria(0.9740),o:Pasteurellales(0.8520),f:Pasteurellaceae(0.7068),g:Actinobacillus(0.1299);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCCATGCCGCGTGAATGAAGAAGGCCTTCGGGTTGTAAAGTTCTTTCGGTGATGAGGAAGGTGTTTGTTTTAATAGGTCAAGCAATTGACGTTAGTCCCAGAAGAAGCACCGGCGAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCGAGCGTTAATCGGAATAACTGGGCGTAAAGGGCACGCAGGCGGTGACTTAAGTTGTAGGTGAAAGCCCCGGGTTTAACCTTGGAATTGCATTTCATACTGGATCGCTAGAGTACTTTAGGGAGATGTAAGATTCCACGTGTAGCGGTTAAATTCGTAGAGGTGTGTAGGAATACCGAAGGCGAATGGCGCCCTGTGGGAATCTACTGACGCTCATGTGCGAAAGCGTGGGGAGCAAAGAGGTTTAGATACCCTGGTA

>OTU9434;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachnospiraceae(0.3884),g:Dorea(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAAGGATGAAGTATTTCGGTATGGAAACCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAATCCCCGTCTAACTACGTTCCAGCAGCCGCGGTAATACGTAGGGGGCAAGTGTTATCCGGATTGACTGGGTGTAAAGGGAGCGTAGACGGCTTTGCAAGCCAGATGTGAAAGCGCGGGGCACAACGCCTGTGCTGCATTTGGAACTGTAATGCTTGAGTGTCGGCGAGGCCAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTGGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTGCTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU9432;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Ruminococcaceae(0.2184),g:Clostridium_IV(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAAATTCTTTTAAGAGGGAAGAGCAGAAGACGGTACCTCTAGAATAAGACACGGCTAACTACGTGCCAGCAGCCGCGGCAATACGTAGGTGGCAAGCGAGGTCCGGGTTTACTGGGTGTAAAGGGCGTGCAGCCGGGTCTGCAAGTCAGATGTGAAATCCATGGGCTCAACCCATGAACTGCGTCTGAAACTGTAGATCTTGAGTGTCAGAGAGACAAGCGGAATTCGTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCAGATTGCTGGACGGTAACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9433;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9988),c:Gammaproteobacteria(0.9769),o:Pasteurellales(0.8846),f:Pasteurellaceae(0.8146),g:Actinobacillus(0.3915);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGGGACCCTGATGCAGCCATGCCGCGTGAATGAAGAAGGCCTTCGGGTTGTAAAGTTCTTTCGGTGATGAGGAAGGTGTTTGCTTTAATAGAACAAGCAATTGACGTTAGTCACAGAAGAAGTACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCGAGCGTTGATCGGAATAACTGGGCGTAAAGGGCACGCAGGCGGTGACTTAAGTGAGCTGGGAAAACCACGGGCTTAACCTGGGGATTGCAGTTCATACTGGGTCGCTTGAGTGCATTAGGGGGGGGTAGAATTCCACGTGTAGCGGTGAAATGCGTAGATATGTGGAGGAATACCGAAGGCGAAGGCGGCCCCTTGGGAATGTACTGACGCTCATGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9436;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:"Bacteroidia"(0.2321),o:"Bacteroidales"(0.1015),f:"Porphyromonadaceae"(0.0355),g:Barnesiella(0.0087);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATGCCGCGTGAAGGACTAAGGCCCTATGGGCTGTAAACTTCTTTAAACGCAGAGCAATAAGGGCCACGCGTGTTCCGTTGAAAGTATGCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGTGATTCGGGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCGGCTTTGCAAGTCAGCGGTGAAAGGCACGGGCTCAACGCGGAAAGTGCCGTTGATACTGTGAGGCTGGAATGAGGATGCTGTGGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACACCGATTGCGAAGGCATCTCACAAACCCGCTAGTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU9438;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Clostridiales_Incertae_Sedis_XII(0.0904),g:Acidaminobacter(0.0181);

ACTTTATTCATCATTATTTAATATTTTTCAATTTTCTCAATCCTTACCCATCAACTCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCCTATGTGACGAAGGAAGTGACGGTAGCATAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGTTTGGTAAGTTGGATGTGAAATACCCGGGCTTAACTTGGGGGCTGCATCCAATACTGTCGGACTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9435;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8267),c:"Bacteroidia"(0.1740),o:"Bacteroidales"(0.0781),f:"Porphyromonadaceae"(0.0252),g:Dysgonomonas(0.0076);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGAAGTCTGAACCAGCCATGCCGCGTGGAGGAAGAAGGTCCTATGGGTTGTAAACTCCTTTTGCTCCAGAGTAATAAGAGCCTTGCGAGGTTCGATGAGAGTATGGGGCGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGCGCGTTAAGTCAGCGGTGAAATGTCCCGGCTCAACCGGGGAGCTGCCGTTGATACTGGCGTGCTAGAGTACGGACGGCGCCGGCGGAATGTGTCATGTAGCGGTGAAATGCTTAGATATGCCACAGAACACCGATCGCGAAGGCAGCTGGCGAGGCCGGTACTGACGCTCAGGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU9437;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Peptococcaceae_2(0.0252),g:Desulfotomaculum(0.0076);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGACGGGTTTCGGCTCGTAAGCCTCTGTCCTATGGGACGAAGGAAGTGACGGTACCATAGGAGGAAGCCCCGGCTTACTACGTGCCAGCCGCCGCGGTAATACGTAGGGGGCGAGTGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCTGATAAGTGTGGAGTGAAAGTCCTGCTTTCAAGGTGGGAACTGCTTTGGATACTGTTGGGCTGGAGTGCAGGAGAGGAAAGCGGAATTACCGGTGTAGCGGTGAAATGCGTAGAGATCAGGAGGAACACCAGTGGCGAAGGCGGCTCTCTGGACTGTAACTGACGCTGAGGCGTGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9439;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Lachnospiraceae(0.0904),g:Clostridium_XlVa(0.0157);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGAAGAAGGTCTTCGGATTGTAAAGCTCTTTGATCAGGGACGAACACAATGACGGTACCTGAAGAACAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGGAAAGGGAGCGTAGACGGACTGGCAAGTCTGATGTGAAAGGCATGGGCTGAACCTGTGGACTGCATTGGAAACTGGTCATCTAGAGTGTCGGAGGGGTAAGTGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGCGGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9441;tax=d:Bacteria(1.0000),p:Firmicutes(0.9994),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Lachnospiraceae(0.5632),g:Clostridium_XlVa(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAGAAATGACGGTACCTGACTAAGAAGCACCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGAAGCAAGTCTGAAGTGAAAACCCAGGGCTCAACCCTGGGACTGCTTTGGAAACTGTTTTGCTAGAGTGTCGGAGGGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCAACTGGGCTTTTACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9440;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Ruminococcaceae(0.0457),g:Clostridium_III(0.0087);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACGTCTTTTACCAGGGACGAAGGACGTGACGGTACCTGGAGAAAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATAAGTAGGAGGCAAGAGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGCAGCAAGTCAGAAGTGAAATCCATGGGCTTAACGCATTGACTGCGTTGGATACTGTTGCCCTTGAGTGCAGTACAGGAAAGCGGAATTCCTCGTGTCGCGGTGATATGCGTATATATTACGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTTGATACCCTGGTA
>OTU9443;tax=d:Bacteria(0.0041),p:"Actinobacteria"(0.0000),c:Actinobacteria(0.0000),o:Actinomycetales(0.0000),f:Propionibacteriaceae(0.0000),g:Mariniluteicoccus(0.0000);
GTGAATCATCGAATCTTTGAACGCAGATTGCGCCCTTTGGTATTCCGAAGGGCATGCCTGTTTGAGTGTCTTATAAACCTCACCTCTATAGTTTTCTATAGTTGTGCTTTGGGTGTTGCCGTTTACTCTGGCTCGCCTTAAATGTCTAAGTGGAATGCGTAATAAGTTCTCGCAACCCTCCACTCTAACACACTTTATATTCTGACCTCAAATCAGGTAGGACTACCCGCTGAACTTAAGCATATCAATAAGCGGAGGA
>OTU9442;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6036),c:"Bacteroidia"(0.3483),o:"Bacteroidales"(0.1483),f:"Prevotellaceae"(0.0560),g:Prevotella(0.0134);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGTAAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTTTAAACTGCTTTTATGCGGGGATAAAGTGTGCCATGTATGGCATTTTGTAGGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTGTAAAGGGAGCGTAGGCGGATTTTTAAGTGGGATGTGAAATACTCGGGCTCAACCTGGGGGCTGCATTCCAAACTGAAAGTCTAGAGTACAGGAGGGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTTTCTGGACAGTAACTGACGTTGAGGCACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9444;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Bacilli(0.9851),o:Lactobacillales(0.8955),f:Lactobacillaceae(0.7068),g:Lactobacillus(0.3479);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGAAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
TTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGGGAGAGTAACTGTTCACGCAGGGACGGTATCCAACCA
GAAAGTCACGGATAACTACGTGCAAGCAGCCGAGGTAAAACGACGGGGGCAAGAGTTATCCGGATTTATTGGGCGT
AAAGCGAGGGCAGGCGGTTGCTTAGGTCTGATGTGAAAGCCATCGGCTTAACCCAAGAAGTGCATCGGAAACTGTG
CGACTTGAGTGCAGTAGAGGACAGCGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGT
GGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCGTGGGTAGCGAACAGGATTAGATACCCTG
GTA

>OTU9445;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Eubac
teriaceae(0.0355),g:Alkalibacter(0.0087);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAATAAGGT
TTTCGGATTGTAAACCTCTGTCCTTGGTGACGAAGGAAGTGACGGTAGCCACGGAGGAAGCCCCGGCTACCTACGTG
CCAGCAGCCGCGGTAATACGTAGGGGGGGAGGGTTGTCCGGAATGACTGGGCGTAAAGGGCGTGAAGGCGGCGG
ATTAAGTCAGCAGTGAAAGTCCTGCTTTCAAGGTATGAATTGCATTTGATACTGGACGGCTTGAGTGCAGTAGAGGT
AAGTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGAGATTGGGAGGAACACCAGTGGCGAAGGCGACTTACTGGGC
CGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU9446;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9441),c:Alphaproteobacteria(0.8048),o:Rhizobiales
(0.3319),f:Rhodobiaceae(0.1679),g:Tepidamorphus(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGCGAAAGCCTGATCCAGCCATGCCGCGTGAGTGAAGAAGGC
CTTTGGGTTGTAAAGCTCTTTTAGCGGGGAAGATAATGACGGTACTTGCGGAAGAAGCCCCGGCTAACTCCGTGCCA
GCAGCCGCGGTAATACGGAGGGGGCTAGCGTTATTCGGAATTACTGGGCGTAAAGGGCGCGTAGGCGGCTTAGTAA
GTTAGAAGTGAAATCCCAGGGCTCAACCCTGGAATTGCTTTTAAAACTGCTAAGCTAGAGAGCGGGAGAGGTGAGA
GGAATTCCTAGTGTAGAGGTGAAATTCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTAACTGGACGGAA
ACTGACGCTGAGGCGCGAAGGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9449;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9892),o:Lactobacillales(0.9280),f:Lactoba
cillaceae(0.8505),g:Lactobacillus(0.6681);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
TTTCGGATCGTAAAGCTCTGTAGTCGGTGAAGAAGGATAGAGGAAGTAACTGGAATTTATTTGACGGTAATCAACAA
GAAAGTCACGGCTAACTACGTGCCAGCAGCAGAGGTAATACGTAGGTGGCAAGCGGTGTCCGGATTTATTGGGCGT
AAAGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCCTCGGCTTAACCGATGAACTGCATCGTAAACTGTTT
TTCTTGAGTGCAGAAGAGGAAAGTGGAACTCCATTTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTG
GCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGATGCTCGAAAGCATAGGTAGCGAACAGGATTAGATACCCTGGT
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>OTU9447;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachnospiraceae(0.3204),g:Moryella(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGCGAGTGATGAAGTATTTCGGTTCGTAAAACTCTATCCTCAGGGAAGATAATGACGGTACCTGAGTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGACGGCCACACAAGTCTGAAGTGAAACGCAACGGCTTAACCGCGGAACTGCATTGGAAACTGTGCGGCTAGAGTGCAGGAGAGGTAAGCGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTGGGAAGAACACCGGTGGCGAAGGCGGCTTACTGGACAGTAACTGACGTTGATGCTCGAAGGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9448;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Bacilli(0.2321),o:Bacillales(0.0781),f:Thermoactinomycetaceae_2(0.0252),g:Mechercharimyces(0.0076);
ACGGAAGGCAGCAGTAGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCCTATGTGACGAAGGAAGTGACGGTAGCATAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTATTGGGCGTAAAGGGCATGTAGGCGGTTTTGCAAGCTTGGTGTGAAATGCATAGGCTCAACCTATGAACTGCATTGAGAACTACAAGACTTGAGTTACTGAGGTGGAACTGGAATTCCAGGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTTGTA
>OTU9450;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Ruminococcaceae(0.1679),g:Clostridium_III(0.0157);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGCGGAACCCTGACGCAGCAATGTCGCGTGAAGGAAGAAGGTCTTCGGATCGTAAACTTTTGTCTTCGGGGACGAAAAAAGACGGTACCCGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCTCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGATTGCAGGTCAGATGTGAAATACCTGGGCTCAACCCGGGAGCTGCAGTTGGAACCGTGGTTCTTGAGTGCGGGGGAGGTAGGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATTAGGAGGAACACCGGTTGCGAAGGCGGCTTTCTGGACAGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9451;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.9606),f:"Prevotellaceae"(0.5991),g:Prevotella(0.4351);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATTGGTTGTATCCTTCTTTTATAAGGGAATTATTGCGGGTACGCGTACCCGTTTGCATGTACCTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGTTCCTATCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGAGCGTAAGTCAGATGTGAAAGTTTGGGGCACAACCTTAAAATTGCAGTTGATACTGGGTGCCTTGAGTGCAGTATAGGCAGGAGGAATTCGTGGTGTAGCGGTGAAATGCGTAGATATCACGAAGAACTCCTATTGCGAAGGCAGCTTGCTGGAGTGTAACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU9453;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.9389),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCCGAACCAGCCAAGTAGCGTGCAGGATGAAGGCCCTATGGGTCGTAAACTTCTTTTATAAAAGAATAAAGTGAGGTATGCATACTGTTTTGTATGTATTATATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTCGACTGGTAAGTCAGGTGTGAAAGTTTGGGGGTTAACCGTAAAATTGCAGTTGAGAATGTCAGTCTTGAGTACAGTAGAGGGGGGCGGGATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAAATCCGATTGCGAAGGCAGCTCACTGGAGTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU9454;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Ruminococcaceae(0.2184),g:Clostridium_IV(0.0181);

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>OTU9452;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Ruminococcaceae(0.3204),g:Pseudoflavonifractor(0.0326);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGCAGGAAGAAGGCTTTCGGGTTTTAAACTTCTTTTAACAGGGACGTAGTAAGTGACGGTACCTGTTGAATAAGCCTCGGCTAACTACGTGCCAGCAGCCGCGGCAATACGTAGGTCGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGTGTAGGCGGGACTGCAAGTGAGATGTGAAAAGTATGGGCTCAACCCATAGCCTGCATTGGGAACTGTAGGACTTGAGTGTCGGAGAGGCAGGCGGAATTCCGTGTGTAGCGGTGAAATGCGTAGATATACGGAGGAACACCAGTGGCGAAGGCAGATTGCTGGACGATAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

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ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGCGAAAGCCCGATGCAGCAACGCCGCGTGAGGGAAGACGGTTTTCGGATTGTAAACCTCTGTTCTAAGTGACGAAGAATGACGGTAGCTTAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGTCGATTAAGTTAGATGTGAAACCCCCGGGCTTAATTTGGGGACTGCATCTAATACTGGTTGACTTAGAGTACAGGAGAGGGAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

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ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCCGAACCAACCAAGTAGCGTGAAGGATGAAGGCTCTCTGGGTCGTAAACTTCTTTTATATAAGCATAAAGTGCAGTATGTATACTGTTTTGTATGGATTATATGAATAAGGATCGCCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGGTAAGTGAGTTGTGAAATATCGGGGCTCAACCTGAGAATTGCAGTTGAAACTGTCAGTCTTGAGTACAGGAGAGGTGGGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGAGATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU9457;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9987),c:Actinobacteria(0.9755),o:Actinomycetales(0.9063),f:Actinomycetaceae(0.7068),g:Actinomyces(0.5720);

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>OTU9459;tax=d:Archaea(0.0024),p:Woesearchaeota(0.0000),g:Woesearchaeota_Incertae_Sedis_AR16(0.0000);

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ales"(0.0413),f:Sphingobacteriaceae(0.0099),g:Sphingobacterium(0.0046);
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ococcaceae(0.1291),g:Ruminococcus(0.0230);
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547),f:"Porphyromonadaceae"(0.0149),g:Barnesiella(0.0066);
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,f:Flammeovirgaceae(0.0149),g:Persicobacter(0.0066);
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280),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0204);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGT
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ospiraceae(0.0904),g:Clostridium_XlVa(0.0157);
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ospiraceae(0.2864),g:Ruminococcus2(0.0808);
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59),f:Acholeplasmataceae(0.1098),g:Acholeplasma(0.0204);
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389),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);
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ales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Parapedobacter(0.0056);
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ospiraceae(0.5273),g:Coprococcus(0.1735);
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5),f:Spirochaetaceae(0.3544),g:Treponema(0.0712);
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730),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);
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520),f:Bacteroidaceae(0.3884),g:Bacteroides(0.1735);
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ospiraceae(0.2184),g:Blautia(0.0615);
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acteriales"(0.4280),f:Enterobacteriaceae(0.2524),g:Escherichia/Shigella(0.0519);
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teriaceae(0.1872),g:Eubacterium(0.0519);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACACCGCGTGAGCGATGAAGGC
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GCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGCGCACGTAGGCGGCTTTGTAA
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GAATTCCGAGTGTAGAGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGGCTCTAA
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>OTU9535;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Lachn
ospiraceae(0.2864),g:Fusicatenibacter(0.0808);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
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CAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCATGGC
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GGGGAATTCCTCGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCTAAGGCGGCTTACTGGACGG
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>OTU9540;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Lachn
ospiraceae(0.3884),g:Roseburia(0.0808);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
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GTCTGATGTGAAAGGCATGGGCTCAACCTGTGGACTGCATTGGAAACTGTTAGTCTTGAGTGCCGGAGGGGTAAGC
GGAACTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGAA
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>OTU9538;tax=d:Bacteria(0.8319),p:Firmicutes(0.1707),c:Clostridia(0.0626),o:Clostridiales(0.0413),f:Rumin
ococcaceae(0.0073),g:Clostridium_III(0.0039);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGGTGCAGCAACGCCGCGCGAGGGAAGACGGT
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AGGCAGATGTGAAATCCATTGGCTCAACCCCTGAACTGCGTTTGAAACTGTAGATGTTGAGTGTCGGAGCGTCTATC
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>OTU9539;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachn
ospiraceae(0.2864),g:Blautia(0.0615);
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>OTU9537;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:"Bacteroidia"(0.1740),o:"Bacteroidales"(0.0
781),f:Prolixibacteraceae(0.0252),g:Prolixibacter(0.0076);
GTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTATCCGGAATCATTGGGTTTAAAGGGTGCGTAGGCGGAT
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ales"(0.0000),f:Sphingobacteriaceae(0.0000),g:Sphingobacterium(0.0000);
AGGTGAAACTAAAGGTTCTTACTTAAACATTACAGCAGCTACAATGGAAGAAGTGCACAAACGTGCTGAGTATGCTA
AAGCTGTTGGTTCTGTAATTGTTATGATCGATTTAGTAATGGGTTACACAGCAATTCAAAGTATTGCTTTATGGGCTCG
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>OTU9543;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Rumin
ococcaceae(0.0560),g:Clostridium_IV(0.0087);
ACGGGAGGCAGCAGTGGGGAATATTGGTCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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CGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGTGCTCT
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>OTU9541;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachn
ospiraceae(0.3204),g:Clostridium_XlVa(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
TTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAGGCCCTTTAAGGGAGATGACGGTACCTGACCAAGAAGCCCCG
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>OTU9545;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Rumin
ococcaceae(0.2864),g:Intestinimonas(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
CTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGGACGTGACGGTACCTGGAGAAAAAGCAACGGCTAACTACGTG
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CAAGTCAGCTGTGAAAACTATGGGCTCAACCCATAAACTGCAGTTGAAACTGCTGACCTTGAGTGATGGAGAGGCAG
GCGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTGGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGGCTC
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>OTU9542;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Lachnospiraceae(0.3544),g:Clostridium_XlVa(0.0904);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATCTCGGTATGTAAAACTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGAGTAGGCGGATCGGTAAGTCAGATGTGAAATGTCGGGGCTCAACCCCGGAACTGCATTTGAAACTGCTGACCTTGAGTGATGGAGAGGCAGGCGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACTGATACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9546;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9994),c:"Bacteroidia"(0.9798),o:"Bacteroidales"(0.9753),f:"Prevotellaceae"(0.9387),g:Prevotella(0.6681);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGGGTGGCATATTGCAGGTACCCTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTCATTGGGTTTGAAGGGAGCGTAGGCCGCCTTTTAAGCGTGTTGTGAAATGTCCTGGCTCAACCAGGGCACTGCAGCGCGAACTGGAGGGCTTGAGTGCGCACGACGGAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU9547;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9762),o:"Bacteroidales"(0.9497),f:Bacteroidaceae(0.8505),g:Bacteroides(0.7643);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCCTTTATAAAGGAATAAAGTCGGGTATGGATACCCGTTTGCATGTACTTTATGACTAAGGATCGGCTAACTCCGTGCCAGCATCCGCGGTAATACGGAGGTTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGATGTTTAAGTGAGTTGAGAAAGTTTGCGGCTCAACCGGAAAATTGCAGTTGATACTGGGTATCTTGAGTGCAGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGGTCTCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTAAGCTGCAACTGACATTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCGGGTA
>OTU9548;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Bacilli(0.4045),o:Lactobacillales(0.1719),f:Lactobacillaceae(0.0710),g:Lactobacillus(0.0157);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGGTAGTGAAGAAAGATAGAGGTAGTAACTGGCCTTTATTTGACGGGAATTACTTAGAAAGTCACGGCCAACAACGTGCCAGCAGCCGCGGGAATAAGCAGGGGGCAAGAGTAATCCGGATTTACTGGGTGCAAAGGGAGCGCACGCGGACCGGCAAGTTGGAAGTGAAATCTATGGGCTCAACCCATAAATTGCTTTCAAAACTGCTGGACTTGATTAGTGCAGAGGTAGGTGGAATTCCCGGTGTAGCGGTGAAATTCGTAGATATCAGGAGGAACACCAGTGGCGAAGGCGACCTACTGGGCACCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU9550;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:"Bacteroidia"(0.2321),o:"Bacteroidales"(0.1015),f:Marinilabiliaceae(0.0252),g:Alkalitalea(0.0076);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTCGCGTGAGGGATGACTGCCCTATGGGTTGTAAACCTCTTTTGTTTGGGAACAAAGAGCGCCACGTGTGGTTCGTTGCGTGTACCTTTCGAATACGCATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGGTTGTTAAGTCAGAGGTCAAATGCCAGGGCCCAACCGTGGCATGCCTTTGATACTGGCTGCCTTGAGTGCACACAAGGAAGGTGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACACCGATTGCGAAGGCAGCCTTCTGGGGTGTGACTGACGCTGAGGCACGAAAGCGCGGGAATCAAACAGGATTAGATACCCTGGTA

>OTU9549;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Eubacteriaceae(0.0457),g:Eubacterium(0.0110);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGACGGTTTTCGGATTGTAAACTTTTTTCCTTTGTGAAGAAACAAATGACGGTGGAAAAGGATTAACCTTCGGCTAACAACTTCCAAGCAGCCGCGGTAATACGTAGGATCCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGGACTTCAAGTTGGATGTGAAAGGTCAAGGCCTAACCTTGGCACTGCATCCAAAACTGTAGTTCTTGAGTGGAGTAGAGGTAAGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGGCTCTAACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9552;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Eubacteriaceae(0.0560),g:Eubacterium(0.0134);

ACGGGAGGCAGCAGTAGGGAATATTGCACAATGGGCGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGACGGTTTTCGGATTGTAAACTTCTTTTCTTTGTGAAGAAACAAATTACGGTAGCAAAGTAATAAGCATCGGCTAACTACGTTCCAGCAGCCGCGTTACTACGTAGGATGCAACCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGGACTTCAAGTTGGATGTGAAAGGTCAAGGCTTAACCGTGGAACTGCATCGGAAACTGTAGGACTTGAGTGGAGTAGAGGTAAGAGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTGACTGGGCTCTAACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGAGACCCTGGTA

>OTU9551;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Eubacteriaceae(0.2524),g:Eubacterium(0.0712);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGTTTTCGGATTGTAAACCTCTGTTTTCGGTGACGAACAAATGACGGTAACCGAGTCGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGATAGCAAGTCAGCTGTGAAAACTATGGGCGCAACCGATAAACTGCAGTTGAAACTGTGAGGCTTGAGTGGAGTAGAGGCAAGCGGAATTCCGGGTGAAGCGGTGAAATGCGTAGATATTAGGCGGAACACCAGCGGCGAAGGCGGCTTGGTGGACCATATTTGACGAGGAGGCTCGAAAGTGGGGGGAGCAAGCAGGATTAGATACCCTGGTA

>OTU9553;tax=d:Bacteria(0.9827),p:"Bacteroidetes"(0.7547),c:Sphingobacteriia(0.0525),o:"Sphingobacteriales"(0.0352),f:Sphingobacteriaceae(0.0086),g:Parapedobacter(0.0043);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGGAGACTGAACCAGCCATGCTGCGTGCAGGAAGGAGGTCCTATGGATTGTAAACTGCTTTTTTAGGGGAATAATATGACTTTTGTGAAGGTTGATGCAGGTACCCGAAGAATAAGGATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGATTCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTTAGATAAGTTTGTGGGTAAAGTCGTCTGCTCAACACGGGTTTGCCTTGCAAACTGTCTGACTAGAATGTAAACGGCGCAGGCGGAATGAATCATGTAGCGGTGACATGCATAGATATGACGCAGAACACCGATCGCGAAGGCAGCTTGCGAGAATACGATTGACGCTGAAGCACGAAAGCGCGGGTATCGAACAGGATTAGAGACCCTGGTA
>OTU9555;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.5174),c:"Bacteroidia"(0.2902),o:"Bacteroidales"(0.1249),f:"Prevotellaceae"(0.0457),g:Prevotella(0.0076);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCCTTTATAAGGGACGATAATGACGGTACCTTATGCTTATGCTCCGGCTAACTTCGTGCAAGCAGCCGCGGTTATACGGAAGGTCCGGCCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGCCGGGCAAGCGTGTTGTGAAATGCAGTGGCTCAACGTCTGCACTGCAGCGCGAACTGCCCGGCTTGAGTGCGCAGAACGTTGGCGGAATTCGCCGTGTAGCGGTGAAATGCTTAGATATGGCGAAGAACTCCGATTGCGAAGGCAGCTGACGGTAGCGTAACTGACGCTCAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU9557;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.8087),c:Fusobacteriia(0.5579),o:"Fusobacteriales"(0.2999),f:"Fusobacteriaceae"(0.1485),g:Fusobacterium(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGACCAAACGCTTGCTCCAGCAATTCTGTGTGCACGATGAAGTTTTTCGGTATGTAAAGTGCTTTCCGTTGGGACGAAGTAAGTGACGGTACCAACAGAAGAAGCGACGGCTAAATACGTGCCAGCAGCCGCGGTAATCCGTATGTCGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGCGTCTAGGCGGTTTGGTAAGTCTGTTGTGAAATGTCGGGGCTCAACCTATGCACTGCAGCGCAAACTGGCAGACTTGAGTGCGCAAGAAGTAAGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGTAACTGACGCTGAGGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU9554;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Ruminococcaceae(0.1291),g:Fastidiosipila(0.0157);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTAAGAGGGAAGAGCAGAAGACTGTACCTCTAGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATCACTGGGCGTAAAGGGCGCGTAGGCGGCCCGGTAAGTCAGATGTGAAAAGTGAGGGCTCAACCCTTAGAGTGCATCTGATACTGTCGGGCTTGAGTACAGAAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTCTAACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGACACCCTGGTA

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ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGTCTTCGGATCGTAAACCTCTGTCAGAAGGGAAGAATAAGCATTGTTCTAATCAGCAGTGCCCTGACGGTACCTTCAAAGGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATAACTGGGCGTAAAGGGCATGTAGGCGGAAAGGTAAGTAGGATGTGAAATACCCGGGCTCAACCTGGGTTGGTCATTCTAAACTGCCTTTCTAGAGTATTGCAGAGGGAGATGGAATTTCAGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9559;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9719),o:"Bacteroidales"(0.8846),f:"Prevotellaceae"(0.5991),g:Prevotella(0.1735);
ACGGGAGGCAGCAGTGAGGAACATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACCTCTTTTATGCAGGGATAACCGGCGCCACGCGTGGCGTCCTGCAGGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTCATTGGGTTTAAAGGGAGCGTAGGCCGCCCTTTAAGCGTGTTGTGAAATGTAGGGGCTCAACCCCTGCACTGCAGCGCGAACTGGAGGGCTTGAGTACACGCAAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACCCCGATTGCGAAGGCAGCTTGCCGGAGTGTGACTGACGCTGAAGCTCGAAAGCGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU9558;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Lachnospiraceae(0.2184),g:Roseburia(0.0519);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTACGGGTTGTAAACTGCTTTTAGGCGGGGGTAAAGGGGCGGACGTGTTCCGCCTTTGCAAGTACCGCCAGAAAAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCGGAAGGCTAAGTCTGATGTGAAAGCCCGGGGCTCAACCCCGGTACTGCATTGGAAACTGGTCATCTAGAGTGTCGGAGGGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTGGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATGACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9560;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.9606),f:"Prevotellaceae"(0.9015),g:Prevotella(0.5239);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACTTGTGGCATATTTCCGTTACCCTATGAATAAGGACCGGCTAATTCCGTTCCAGCAGCCGCTGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGGAGATTAAGCGTGTTGTGAAATGTAGATGCTCAACAGCGGCACTGCAGCGCGAACTGGTATCCTTGAGTACGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU9563;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9441),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3319),f:"Porphyromonadaceae"(0.1679),g:Barnesiella(0.0181);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGGCGGTCCTATGGATTGTAAACTTCTTTTTTCGGGGAGTAATAAGCCGGATGTGTCGTTTGGTGAAGGTACCCGAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGCGTGCCAAGTCAGCGGTCAAAGTTCCGGGCTCAACCCGGTGTTGCCGTTGAAACTGGTGTGCTTGAGTGCGTGCGAGGAAGGCGGAATGCGTTGTGTAGCGGTGAAATGCATAGATATGACGCAGAACTCCGATTGCGAAGGCAGCTTTCCAGCGCGCTACTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU9561;tax=d:Bacteria(1.0000),p:"Armatimonadetes"(0.8628),g:Armatimonadetes_gp5(0.0204);

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>OTU9562;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Negativicutes(0.2902),o:Selenomonadales(0.1249),f:Veillonellaceae(0.0457),g:Selenomonas(0.0110);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGGTTTCGGCTCGTAAACCTCTGTCCTATGGGACGAAGGAAGTGACGGTACCATAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGATTGGGCGTAAAGGGAGCGTAGGTGGCAATTTAAGTGAAATGTGAAAGACCGGGGCTTAACTCCGGAATTGCATTTCATACTGGATTGCTTGAGTGCAGGAGGGGTAAGCGGAATTCCTAGTGTAGCGATAAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9564;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Bacilli(0.7114),o:Lactobacillales(0.3639),f:Lactobacillaceae(0.1872),g:Lactobacillus(0.0519);

AAGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGTCATTGAAGTTGGATGTGAAATCCCCGGGCGTAGCTTGGTGTCTTCATCCAAGACTGGGAGACTAGAGTGCAGGAGGGGGAAGCGTAAGTCCTAGTGTAGCGGTGAAATGCGTAGATATGACGAAGAACACCGATTGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU9565;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9933),c:"Bacteroidia"(0.8472),o:"Bacteroidales"(0.6509),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0712);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGAAGGATGACGGATCTATGGGTTGTAAATTGTTTTTATAGGGGGATAAAGTGTGCTACGTGTGGCATATTGCAGGTACGCTATGAATAAGGAACGGCTAATTCTGTGTAAGCGGCAGCGGTAATACGGAAGGTCTGGGCGTTATGCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTTATAAGCGTGTTGTGAAATGTCGGGGCTCAACCTCGGCATTTCATCTCGAACTGTGATACTTGAGTGCCCAAGAATTAGGCGTAATTCATCGTGTAGCGTTGAAATTCTTAGATATTACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTACCTCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGTTA

>OTU9566;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Lachnospiraceae(0.0355),g:Clostridium_XlVa(0.0087);

ACTTTCTTCCTCCTTTCGGAATATTGGTCACTGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTACGGGTTGTAAACTGCTTTTAGGCGGGGGTAAAGTGGCGCACGCGCTGCGCCTTTGCAAGTACCGCCAGAAAAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCAGGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCATGGCAAGTCTGATGTGAAAGCCCAGGGCTCAACTCGGGGACTGCATTGGAAACTGTCAAGCTGGAGTGTCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATGACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9567;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Ruminococcaceae(0.3204),g:Ruminococcus(0.0808);

ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGACTTCGGAATGTAAAGTTCTTTTAGTAAGGACGAAGAAGTGACGGTACTTAATGGATAAGCTCCGGCAAACTACGTGCCAGCACGCGCGGTTATACGTAGGGCGCGCGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCAGAGCAAGTCAGATGTGAAATCCGTGGGCTTAACCCACGAGCTGCATTTGAAACTGTGTTGCTGGAGTGAAGTAGAGGCAGGCGGAATTCCCTGTGTAGCGGTGAAATGCGTAGATATAGGGAGGAGCACCAGTGGCGAAGGCGGCCTGCTGGGCGTTAACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU9569;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:"Bacteroidia"(0.4812),o:"Bacteroidales"(0.2359),f:Bacteroidaceae(0.1098),g:Bacteroides(0.0204);

AGGAAGGCAGCAGTGAGGAATCTTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTATGTATACTGTTTTGTATGTATTATATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAACACGTAGGGGGCGAGCGTTATCCGGAATTACTGGGCGTAAAGAGTGCGTAGGTGGCTTTGCAAGCGTAGGGTATAAGGCGACAGCCCAACTGTCGTTGGCCCCGCGAACTGTAAGGCTTGAGTACAGGAGGGGAAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCGGCTCTCTGGACTGTAACTGACACTGATGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9568;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9168),c:"Bacteroidia"(0.5195),o:"Bacteroidales"(0.2679),f:"Porphyromonadaceae"(0.1098),g:Barnesiella(0.0134);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGAGGACGGTCCTACGGATTGTATTCCTCTTTTGTCGGGTAGTAACGTGCGCGACGCGTCCCGTATTGAGAGTACCCGATGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTTATACGGAGGATTCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGCGCGCCAAGTCAGCGGGCAAAGTTCCGGGCTCAACCCGGTGTGGCGGTTGAAACTGGCGGGCTCGAGTGCGTGAGAGGAAGGCGGAATGCGTTGTGTAGCGGTGAAATGCATAGATATGACGCAGAACTCCGATTGCGAAGGCAGCTTAACAGCGCGCGACTGAGGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU9572;tax=d:Bacteria(0.0076),p:Firmicutes(0.0000),c:Bacilli(0.0000),o:Lactobacillales(0.0000),f:Leuconostocaceae(0.0000),g:Leuconostoc(0.0000);
GGCTTACTTTGCCTCAACGCGGGGCAACTTACCAGGTCCAGACATTGTGAGGATTGACAGATTGAGAGCTCTTTCTTGATTCGATGGGTGGTGGTGCATGGCCGTTCTTAGTTGGTGGAGTGATTTGTCTGGTTAATTCCGTTAACGAACGAGACCTTAGCCTGCTAAATAGTGACGCGAACTCTTTGTTGGCGGGCCACTTCTTAGAGGGACAACTTGTCTTCAACAAGTGGAAGTTTGAGGCAATAACAGGTCTGTGATGCCC
>OTU9571;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Lachnospiraceae(0.3204),g:Butyrivibrio(0.0615);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAGTGATGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAGGCCCCGAAAGGGGAGATGACGGTACCTGAGTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGACGGAGAAGCAAGTCTGATGTGAAAGCCCGGGGCTCAACCGCGGGACTGCAGTGGAAACTGTTGATCTGGAGTACTGGAAGCGCAAGCGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATCAGGAGGAACACCGGTGGCGAAGGCGGCTTGCTGGACAGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9570;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Ruminococcaceae(0.2864),g:Ruminococcus(0.0615);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGATGCAGCAACGCCGCGTGAACGAAGAAGGATTTCGGTTTGTAAAGCTCTATCATCAAGGAAGAAGAAGTGACGGTACCTAATGAATAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCATGGCAAGTCTGATGTGAAAACCGTGGGCTTAACCCACGAACTGCATTTGAAACTGTTTAGCTTGAGTGAAGGAGAGGCAGGCGGAATTCCCAGTGTAGCGGTGAAATGCGTAGAGATAAGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGACGATGACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU9573;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Lachnospiraceae(0.3204),g:Ruminococcus2(0.0904);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGGAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGGAGTA
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GCAGCCGCGGCAATATGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAGAGGCA
AGTCTGATGTGAAAACCCGGGGCTCAACCCCGGAAGTGCATCGGAAACTGTTTAACTGGAGTGTCGGAGCGGTAAG
TGGAATGCCTGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTAGACGGT
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>OTU9574;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8897),o:"Bacteroidales"(0.7
623),f:"Prevotellaceae"(0.4224),g:Prevotella(0.0808);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGCAAGACTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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GAGTTCACGGTAAGCGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAGGAACCCCGATTGCGAA
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>OTU9575;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9933),c:"Bacteroidia"(0.7114),o:"Bacteroidales"(0.4
280),f:"Prevotellaceae"(0.1872),g:Prevotella(0.0230);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGAGAGCCTGAACCAGCCATGTAGCGTGCAGGATGACGGC
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>OTU9578;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6036),c:Sphingobacteriia(0.0626),o:"Sphingobacteri
ales"(0.0413),f:Sphingobacteriaceae(0.0099),g:Parapedobacter(0.0046);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
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GGTGCGTAGGCTGTGCGTCAAGTAGGAGGTGAAATCCCGGGACCAAACTCCGGGGCACGCGTTGATACTGGCGCGC
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>OTU9579;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Eubac
teriaceae(0.0560),g:Eubacterium(0.0134);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGT
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ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACGCCGCGTGAGGGAAGAAGGG
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(0.0000),f:Bradyrhizobiaceae(0.0000),g:Bradyrhizobium(0.0000);
CGTCTGAATGCCAGCAATCTCTTTTTGAGTCTCATTTTGCTTCTCGGCAATCTCTTTCTGATTGTCCAGTTGCTTTTTAGT
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>OTU9580;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9348),c:"Bacteroidia"(0.5195),o:"Bacteroidales"(0.2
679),f:"Porphyromonadaceae"(0.1291),g:Barnesiella(0.0181);

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ospiraceae(0.3204),g:Ruminococcus2(0.0904);
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ococcaceae(0.2524),g:Clostridium_IV(0.0230);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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ococcaceae(0.1679),g:Intestinimonas(0.0230);
ACGGGAGGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAAGGAAGAAG
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GTGCCAGCAGCCGCGGTAATACGTAGGTGGCACGCGTTATCCGGATTTACTGGGTGTAAAGGGTGTGTAGGCGGGT
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>OTU9585;tax=d:Bacteria(0.8696),p:"Bacteroidetes"(0.3448),c:"Bacteroidia"(0.0324),o:"Bacteroidales"(0.0
231),f:Marinilabiliaceae(0.0059),g:Alkalitalea(0.0035);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
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231),f:"Porphyromonadaceae"(0.0059),g:Tannerella(0.0035);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCCGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
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AGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAG
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0),f:Mycoplasmataceae(0.0000),g:Mycoplasma(0.0000);
CCTAAAGCTACCTCGTCCACGTTCTCTTTTGATAGTTTGACGGTTAATGCTGGTAATGGTGGTTTTCTTCATTGCCTTCC
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TTTGCCTGTTTGGTTCGCTTTGAGTCTTCTTCGGTTCCGACTACCCTCCCGACTGCCTATGATGTTTATCCTTTGGATGG
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cillaceae(0.7787),g:Lactobacillus(0.3479);
ACGGGAGGCAGCAGTAGGGAATCTTCGACAATGGGCGCAAGCCCGATGGAGCCACACCGCGTGAGTGAAGAAGGG
TTTCGGGTCGTAAAGCTCTTTTGTTGGGGAAGAACGTGCGGGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCA
GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGGTATCCGGATTTATTGGGCGT
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CGACTTGAGTGTAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATTCGTAGATATATGGAAGAACACCAGT
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GTA
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623),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0615);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGACCCAGCCAAGTAGCGTGCAGGATGACGGC
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GCGTAGGCCGCCTGTTAAGCGGGGTGTGAAAAGCCGGGGCTCAACTCCGGTCGTGCAGCGCGAACTGGAGGGCTTG
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ales"(0.0547),f:Sphingobacteriaceae(0.0149),g:Parapedobacter(0.0056);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCCGAACCAGCCATGCCGCGTGAGGGAAGGAGGC
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GGAGTGCGGATGCCGTCGGAGGAATGTGTGGTGTAGCGGTGAAATGCATAGATATCACTCAGAACACCGATTGCGA
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>OTU9591;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Rumin
ococcaceae(0.0149),g:Anaerobacterium(0.0066);
ACGGGAGGCAGCAGTGGGGGAGAGGGCGCAAGGGGGGCAACCCTGACGCAGCAACGCCGCGTGAAGGATGAAGG
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GCACCCCCGTTAAAACGTAGGTGCAAACCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGCCTGCTAAG
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GAATTACCGGTGTAGCGGTGAAATGCGTAGAGATCGGTAGGAACACCAGTGGCGAAGGCGGCTTACTGGGCTCTAA
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509),f:"Prevotellaceae"(0.3204),g:Alloprevotella(0.0519);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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GGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACAGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGG
GAGCGTAGGCGGGCTGTCAAGTCAGCTGTGAAATCCGGCGGCTCAACCGTCGGCCTGCAGTTGAAACTGGAAGTCTT
GAGTTCACACAGGGATGCCGGAATTCATGGTGTAGCGGTGAAATGCTCAGATATCATGAAGAACTCCGATCGCGAA
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>OTU9594;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8267),c:"Bacteroidia"(0.1740),o:"Bacteroidales"(0.0
781),f:"Prevotellaceae"(0.0149),g:Prevotella(0.0066);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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GATCGGCTAATTCCGTGCCGGCAGCCGCGGTAATACGGAAGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCGGACGAGCAAGTCAGTGTTGAAAGTTGGCGGCCCAACCTTAAAATTGCATTGGAACCTGTTTGTTTTG
AGTCCACATAAGGTTGTTGGATTTTTTGTTGTACCGTGAAAATGCATAGATATCACGAAGACCCCCGATTGCGAAGGC
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ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCGGGACGACGGC
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TGCGCAGGCGGTTCGGTAAGGCAGATGTGAAATCCCCGGGCTTAACCTGGGAATTGCAGTTGTGACTGCAGGACTA
GAGTTCAGCAGAGGGGGGTGGAATTACAAGTGTAGCAGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGA
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>OTU9595;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Ruminococcaceae(0.0710),g:Clostridium_III(0.0157);
AAGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGG
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>OTU9596;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:"Bacteroidia"(0.4045),o:"Bacteroidales"(0.1719),f:"Prevotellaceae"(0.0710),g:Prevotella(0.0157);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTACTGGGTGTAAAGGG
AACGTAGGTGGTAAGGCAAGCCAGAAGTGAAAGCCCGGGGCTCAACCCCGAGGACTGCTTTTGGAACTGTCGAACT
AGAGTGCAGGAGGGGCAAGCTGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCG
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>OTU9599;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9638),c:"Bacteroidia"(0.4812),o:"Bacteroidales"(0.2359),f:"Prevotellaceae"(0.0355),g:Alloprevotella(0.0076);

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GGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCG
TAGGCTGACGAGCAAGTCAGTTGTGAAAGGTTGCGGCTCAACCGTAAAATTGCAGCTGAAACTGTTTGTCTTGAGTG
CACATAAGGATGGTGGAATTTGTGGTGTAGCGGTGAAATGCTTAGACATCACGAAGAACTCCGATTTCGAAGGCAGC
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>OTU9598;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Rumin
ococcaceae(0.4563),g:Ruminococcus(0.0904);
ACGGAAGGCAGCAGTGGGGGATATTGGGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGAAGAAGGT
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CGGAATTCCCTGTGTAGCGGTGAAATGCGTAGATATAAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTTT
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497),f:"Prevotellaceae"(0.8864),g:Prevotella(0.4787);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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>OTU9600;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:Sphingobacteriia(0.1740),o:"Sphingobacteri
ales"(0.0781),f:Sphingobacteriaceae(0.0252),g:Parapedobacter(0.0066);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGAATAAGGC
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GGAGTGATCGAGACGCGAGAGGAATTAGTGGTGTAGCGGTGAAATGCGTAGATATCACTCAGAACACCGATTGCGA
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>OTU9601;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9168),c:"Bacteroidia"(0.5195),o:"Bacteroidales"(0.2
679),f:Bacteroidaceae(0.0560),g:Bacteroides(0.0134);

ACGGGAGGCAGCAGTAAGGGATATTGGTCAATGGGCGGGAGCCTGAACCAGCCATGCCGCGTGAGGGAATGAGGC
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>OTU9602;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Rumin
ococcaceae(0.1485),g:Saccharofermentans(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTTACCCAGCAATGCCGCGTGAATGAAGAAGGT
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>OTU9604;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Lachn
ospiraceae(0.2864),g:Blautia(0.0712);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGG
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>OTU9605;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Eubac
teriaceae(0.2864),g:Eubacterium(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGGGCAACCCTGACGCAGCAATACCGCGTGAGTGAAGAAGGT
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389),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);

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TACAGTAGAGGTGGGAGGAATTCGTGGTGTAGCGGTGAAATGCTTAGAGATCACGAAGAACACCGATTGCGAAGGC
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streptococcaceae(0.1872),g:Clostridium_XI(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
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303),f:"Prevotellaceae"(0.4224),g:Prevotella(0.1735);
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ospiraceae(0.1291),g:Clostridium_XlVa(0.0230);
AAGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
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>OTU9609;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Rumin
ococcaceae(0.4914),g:Ruminococcus(0.2607);

ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAGCGATGAAGGT
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AGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCAGAGC
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063),f:Bacteroidaceae(0.5991),g:Bacteroides(0.4351);
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775),f:Bacteroidaceae(0.9201),g:Bacteroides(0.9566);
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CGTAGGTGGACTGGTAAGTCAGTTGTGAAAGTTTGCTGCTCAACCGTGAAAGTGCAGTTGATACTGTCAGTCTTGAG
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473),f:Bacteroidaceae(0.0113),g:Bacteroides(0.0056);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGGGAAGACGGT
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AGCAACCCCCGTAATACCTAAGTGGGAAGCTTTTTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGCAGGCA
AGTCAGGCGTGAAATATATCGGCTCAACCGGTATCTGCGCTTGAAACTGCAGGTCTTGAGTACAGTAGAGGTGGGCG
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>OTU9613;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Lachn
ospiraceae(0.4914),g:Clostridium_XlVa(0.1735);

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teriaceae(0.2864),g:Eubacterium(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTA
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ospiraceae(0.1098),g:Clostridium_XlVa(0.0204);
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138),f:Bacteroidaceae(0.4224),g:Bacteroides(0.2171);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCC
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CGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGC
GTAGGCGGTCTGATAAGTTGGATGTGAAATACCCGGGCTTAACTTGGGGGGTGCATCCAATACTGTTGGACTAGAGT
ACAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCATAGATATGACGCAGAACTCCGATTGCGAAGGCA
GCTTTCCAGCGCGCTACTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU9617;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Clostri
diaceae_1(0.4914),g:Clostridium_sensu_stricto(0.2171);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGATGACGGT
CCTACGGATTGTAAACCTCAGTTTTCGGTGACGAACAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATT
AAGTGGGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCATTCCAAACTGGTTATCTAGAGTGCAGGAGAGGAGA
GTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTG
TAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9618;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9168),c:Gammaproteobacteria(0.7881),o:"Enterob
acteriales"(0.2999),f:Enterobacteriaceae(0.1485),g:Escherichia/Shigella(0.0230);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
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AGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGTTGCAAGCGTTAATCGGAATTACTGGGCGTA
AAGCGGACGCAGGCGGCTTGTGAAGTCAGGTGTGAAAGGTGGGGGGTAAAACGTAAGATTGCAGTTGATACTGTCA
GGATTGAGTACAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCGTAGATATAACGAAGAACTCCGATT
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TA

>OTU9619;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Clostri
diaceae_1(0.3884),g:Clostridium_sensu_stricto(0.1299);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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GCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGCTTGATAA
GTTAGAAGTGAAAGTCCTGCTTTCAAAACTGCGAGTCTTGAGTGATGGAGAGGCAGGCGGAATTCCCAGTGTAGCG
GTGAAATGCGTAGATATTGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACATTAACTGACGCTGAGGCGCGA
AAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9620;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.7114),o:"Bacteroidales"(0.4
280),f:"Prevotellaceae"(0.1291),g:Prevotella(0.0230);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
TGCGTAGGCTGTGATGTAAGTCAGTGGTGAAATGTACCGGCTTAACCGGTAAACTGCCGTTGATACTGGCGCCCTCG
AGACGAGACGAGGGAGGCGGAACAAGTGAAGTAGCGGTGAAATGCATAGATATCACTTGGAACCCCGATAGCGAA
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>OTU9621;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9784),o:"Bacteroidales"(0.9
707),f:Bacteroidaceae(0.9015),g:Bacteroides(0.8605);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGATGGAAAAAGCAAAGTAGAGTGAAGGATGAAGGC
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ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGGGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGTGGACTGGTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGTCAGTCTTGA
GTACAGTAGAGGTGGGCGCAATTCGTGGTGTAGCGGTGAAATGCTTCGATATCACGGAGAACTCCGATTGCGAAGG
CAGCTCACTTGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTATATACCCTGGTA
>OTU9622;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9769),o:Clostridiales(0.9606),f:Clostri
diaceae_1(0.7068),g:Clostridium_sensu_stricto(0.5239);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
CTTCGGGTTGTAAAGCTCTCTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCAAGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAA
GTGAGATGTGAAATAACCAGGCTCAACCTGGGTGCTGCATTTCAAACTGGAAGTCTGGAGTGCAGGAGAGGAGGGT
GGAATTCCTGTTGTAGCGGTGAAAGGCGGAGAGATTAGGAAGAACGCCAGTGGCGAAGGCGACTGTCTGGACTGTA
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>OTU9623;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Lachn
ospiraceae(0.1291),g:Clostridium_XlVa(0.0230);
ACGGAAGGCAGCAGTGGGGAATATTGGACAATGGGCGAAAGCCTGATCCAGCGACGCCGCGTGAGTGAATAAGTA
TTTCGGTATGTAAAGCTCTTTCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCA
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GCAGGGGGTGAAAGGCATTGGCTTAACCAATGTTAGCCCCCAGAACTGGGATACTAGAGTGCAGGAGAGGAAAGC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACAAGTGGCGAAGGCGGCTTTCTGGACTGTT
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>OTU9625;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9719),o:"Bacteroidales"(0.8
846),f:"Prevotellaceae"(0.5991),g:Prevotella(0.3043);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGAAGGC
CCTATGGGTCGTAAACTGCATTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATAAG
GACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCGGTCGTATAAGCCTGTTGTGAAATTTCGGGGCTCAACCTTGGCATTGCAGTGCGTACTGTGTGGCTTG
AGTGCGCTATAGGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCTATTGCGAAGG
CAGCCTGCTGGAGCGCAACTGACGCTGATGCTCGAAAGTGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU9626;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Bacilli(0.8331),o:Lactobacillales(0.5395),f:Lactoba
cillaceae(0.2864),g:Lactobacillus(0.0712);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGCGAGGGAAGAAGGT
TTTCTGATTGTAAACCTCTATCGCAGAAGACGAAGGAAGTGACGGTATTCTGTGAGGAAGTCACGGCTAACTACGTG
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TAAGTCTGATGTGAAAGCCTTCCGCTCAACCGGAGAATTGCATCAGAAAGTGTTGAACTTGAGTACGAAAGAGGAGG
GTGGAACTCCATGTGTAGCGGTGGCATGCGTAGATGTATGGAAGAACGCCGGTGGCGAAGGCGGCTCTCTGGTCTG
CAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGCTACCCTGGTA
>OTU9624;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Clostridiaceae_1(0.0904),g:Clostridium_sensu_stricto(0.0181);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGT
CCTACGGATTGTAAACCTCTTTTGTCGGGGAGTAACGTGCGGGACGCGTCCCGTATTGAGAGTACCCGAAGAAAAAG
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GAGCGTAGGCGGATGATTAAGTGGGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCATTCCAAACTGGTTATCTA
GAGTGCAGGAGAGGAGAGTGGAACTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGA
AGGCGGCTTACTGGACAGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU9627;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Lachnospiraceae(0.5273),g:Coprococcus(0.3479);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACTCTGATGCAGCGATGCCGCGTGAGCGACGAAGTA
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CAGCCGCGGTAACACGTATGGTGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGTAAG
TCTGAAGTGAAAGCCCGGGGCTCAACCCCGGGACTGCGTTGGAAACTATGCAGCTAGAGTGTCGAAGAGGTAAGTG
GAATTCCCAGTGTAGCGGTGAAATGCGTAGAGATTGGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATGA
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>OTU9628;tax=d:Bacteria(1.0000),p:Firmicutes(0.3448),c:Clostridia(0.1159),o:Clostridiales(0.0547),f:Clostridiales_Incertae_Sedis_XI(0.0113),g:Tepidimicrobium(0.0056);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGG
GTTTCGGCTCGTAAACCTCTGTCCTATGGGACGAAGGAAGTGACGGTACCATAGGAGGAAGCCCCGGCTAACTACGT
GCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCC
GTTAAGTCTGGAGTGAAAGTCCTGGTTTAAAGGTGGGAATTGCTTTGGATACTGATGGGCTGGAGTGAAGGAGAGG
GAAGCGGAATTAACGGTGTTGCGGTTAAATGCTTAGAGATCGGTAGGAAAACCAATGGCGAAAGCGGCTTTCTGGA
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>OTU9630;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Lachnospiraceae(0.1872),g:Hespellia(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGACGAAAGCCTGATGCAGCGACGCCGCGTGAACGAAGAAGGT
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GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGTGCAGACGGCTCTGCAA
GTCAGATGTGAAATCCAGGGGCTCAACCCCGGGACTGCATTTGAAACTGTGGAGCTTGAGTGTCGGAGGGGCAAGT
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGATA
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>OTU9629;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Negativicutes(0.9791),o:Selenomonadales(0.973
0),f:Veillonellaceae(0.9666),g:Dialister(0.9085);

ACGGAAGGCAGCAGTGGGGAATCTTCCGCAATGGGCGAAAGCCTGACGGAGCAACGCCGCGTGAGTGATGACGGC
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AGCAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTATTGGGCG
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GAGCTGGAGTATCGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCGG
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GGTA

>OTU9631;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Pepto
streptococcaceae(0.3884),g:Clostridium_XI(0.1735);

ACGGGAGGCAGCAGTGGGAAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGAC
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GCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAA
GTCAGAGGTGAAAGGCTACGGCTCAACCGTAGTAAGCCTTTGAAACTAGTAAACTTGAGTGCAGGAGAGGAGAGTT
GGATTCCTAGTTTATCGGTGAAATGCTTAGATATTAGGAGGAACTCCAGTTTCGAAGGCGGCTCTTTGGACTGTAACT
GACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTTGTA

>OTU9635;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9726),o:Clostridiales(0.8846),f:Pepto
streptococcaceae(0.2864),g:Clostridium_XI(0.0808);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
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GCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAA
GTCAGAGGTGAAAGGCTACGGCTCAACCGTAGTAAGCCTGTGAAAGTGGGGAACTTTAGTGCAGGAGAGGGGAGT
GGATTTCATAGTGTAGCGTTGAAATGCGTAGATATTAGGAGGTACACCAGTTGCTAAGGCGGCTCTCTGGACTGTAA
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>OTU9634;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Clostri
diaceae_1(0.3204),g:Clostridium_sensu_stricto(0.0808);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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GAATTCCCAGTGTAGCGGTGAAATGCGTAGAGATTGGGAAGAACACCAGTGGCGAAGGCGACTTACTGGGCTGTAA
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>OTU9632;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3319),f:Rumin
ococcaceae(0.1098),g:Clostridium_III(0.0157);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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CCAGCCGCCGCGGTAATACGTAGGTTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGATG
CAAGTTGGGAGTGAAATCCCGGGGCTCAACCCCGGAACTGCTTTCAAAACTGTAGCTCTTGAGTAGCGGAGAGGTAA
GCGGAATTCCCGGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACG
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>OTU9633;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8755),o:"Bacteroidales"(0.7
252),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0423);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCGGCAGGTTAAGTGAGTTGTGAAAGGTTGCGGCTCAACCGTGAAGTTGCAGTTGAAACTGGCCTGCTTG
AGTGAGGCAGAGGCAGGCGGAATTTGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAG
GCAGCTTGCTGGAGCTTTACTGACGCTGAAGCTCGAAAGTGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU9638;tax=d:Bacteria(0.0041),p:"Actinobacteria"(0.0000),c:Actinobacteria(0.0000),o:Actinomycetales(
0.0000),f:Streptosporangiaceae(0.0000),g:Nonomuraea(0.0000);
GGCTGAACCTGCTCACACTGACACATCTGTCCCCGGCGTGCTTAATCCAACTTACCAAGCTGGGTTACTACGCGACGC
CGTTCAACCAGATATTGAAGCAGAACGCAAAAAGAGAGATGAGATTGAGGCTGGGAAAAGTTACTGTAGCCGACGT
TTTGGCGGCGCAACCTGTGACGACAAATCTGCTCAAATTTATGCGCGCTTCGATAAAAATGATTGGCGTATCCAACCT
GCAGAGTTTTATCGCTTCCATGACGCAGAAGTTAACACTTTCGGAGATTTCTGATGAGTCGAAAAATGATCTTGATAA
AGCAGGAATTACTACTGCTTGGTGACGAATGAAATCGAAGGGGACTGCTGGCGGAAAATGAGAAAATTCGACCTAT
CCTTGCGCAGCTCGAGAAGCTCTTACTT
>OTU9636;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9572),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.3
959),f:Bacteroidaceae(0.1872),g:Bacteroides(0.0519);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGTCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCC
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CGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGC
GTAGGCGGCTTGGTAAGTCAGGCGTGAAATTCCAGTACTCAACATTGGCCGTGCGGTTGATACTGCTGGGCTTGAAT
GCGGATGCAGTGGGAAGAATGTGTGGTGTAGCGGTGAAATGCATGGATATCACACAGAAAAACGATTGAGAGGGC
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>OTU9639;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Eubac
teriaceae(0.2864),g:Eubacterium(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGCGCGATGACGGC
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GTAGCCGCGGTAATGCGTCGGGAGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAA
GCCAGAGGTGAAAGGCTACGGCTCAACCGTAGTAAGCCTCTGAAACTGGTAAACTTGAGTGCAGGAGAGGAGAGTG
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teriaceae(0.1679),g:Eubacterium(0.0423);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
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GCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATTCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAA
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GGAATTCCTAGTGTAGAGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTATCTGGACTGTA
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diaceae_1(0.1872),g:Clostridium_sensu_stricto(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGAAGAAGGT
CTTCGGATTGTAAAGCTCTTTGATCAGGGACGAACACAATGACGCTACCTGAAGAACACGCCCCGGCTAACTACGTG
CCAGCAGCCGCGGTACTACGTAGGGGGCAAGTGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGACTTT
TAAGTGAGATGTGAAATACCCGGGCTCAACTTGGGGGATGAATTTCAAAATGGAAGTCTAGAGTGCAGGAGAGGAG
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>OTU9641;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Clostri
diaceae_3(0.0457),g:Caloranaerobacter(0.0110);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
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CCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGTGTAGGCGGCTTTT
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>OTU9643;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Clostri
diaceae_1(0.1098),g:Clostridium_sensu_stricto(0.0204);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGAGGACGGT
CCTACGGATTGTAAACCTCTTTTGTCGGGGAGTAACGTGCGGGACGCGTCCCGTATTGAGAGTACCCGAAGAAAAAG
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AGGCGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
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diaceae_1(0.7068),g:Clostridium_sensu_stricto(0.5239);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCCGATGCAGCAACGCCGCGTGAGTGATGACGGC
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ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGATGCCGCGTGAAGGATGAAGTATTTCGGGATGTAAACCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGATTTGCAAGCCAGATGTGAAAGCCCGGGGCTCAACCCCGGGACTGCATTTAGAACTGTAATGCTAGAGATTCGGAGAGGCTAGTGGAATTCCTAGTGTAGCGGTGAAATTCGTAAATATTAGGAGGAACACCAGTGGCGAAGGCGTCTTGCTGGTCGATGTCTGACGTTGAGGCTCGAAGGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9702;tax=d:Bacteria(0.0041),p:"Actinobacteria"(0.0000),c:Actinobacteria(0.0000),o:Actinomycetales(0.0000),f:Glycomycetaceae(0.0000),g:Glycomyces(0.0000);

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CTCTTTTAAAATGTCAACAAGAGAATCTCTACCATGAACAAAATGTGACTCATATCTAAACCAGTCCTTGACGAACGTG
CCAAGCATATTAAGCCACTGCTCCGCATCCAACGCGTCAGTTTTTGACAGAATCGGTAGTGGATGGCGAAAGGTCGC
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>OTU9701;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.7995),f:"Prevotellaceae"(0.4914),g:Prevotella(0.0712);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCAAAGTAGCGTGCAGGAAGACGGC
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GACAGGCAAATTCAGTGCCAGCAGCCGAGGTAATACGGAAGGTCCGGGCGATATCCGGATTTATTGGGTTTAAAGG
GAGCGTAGGCCGTGTGTTAAGCGTGTTGTGAAATGTTGCGGCTCAACCTGGGCATTGCAGCGCGAACTGGCTGACTT
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>OTU9699;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Ruminococcaceae(0.2524),g:Intestinimonas(0.0230);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
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CAGCCGCCGCGGAAATACGTAGGTGGCAACCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGGATGT
AAGTCAGATGTGAAATCTATGGGCTCAACCCATAAACTGCATTTGAAACTGTATATCTTGAGTGCTGTAGAGGTAGGC
GGAATTCCTTGTGTAGCGGTGAAATGCGTAGATATCAGGAAGAACACCGGTGGCGAAGGCGGTCTACTGGACAGTG
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>OTU9700;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Lachnospiraceae(0.4563),g:Dorea(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAAGGATGAAGTA
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CAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCCTTGCAAG
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GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGCTGA
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>OTU9704;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9784),o:"Bacteroidales"(0.9707),f:"Prevotellaceae"(0.9015),g:Prevotella(0.6681);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGAAGGACGACGGC
CCTGTGGGTTGTAAACTGCTTTTATAGAGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTATCCTATGAATAAG

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AGCGTAGGCCGTCTTATAAGACAGTAGTGAAATGTCGCGGCTCAACCTGGGCATTGCAGCTCAAACTGTGAGACTTG
AGTGCACAAGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAG
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>OTU9703;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Lachn
ospiraceae(0.1291),g:Parasporobacterium(0.0230);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGGGATGAAGGT
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821),f:"Prevotellaceae"(0.9480),g:Prevotella(0.9566);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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GCGTAGGCCGGAGATTAAGCGTGTTGTGAAATGTAGACGCTCAACGTCTGCACTGCAGCGCGAACTGGTTTCCTTGA
GTACGCACAAAGTGGGTGGAATTCGTGGTGTAGCGGAGAAATGCTTAGATATCACGAAGAACTCAGATTGCGAAGG
CAGCTCACTGGAGCGCAACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU9707;tax=d:Bacteria(0.0041),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Clostridiales(0.0000),f:Clostri
diales_Incertae_Sedis_III(0.0000),g:Thermoanaerobacterium(0.0000);
CTTCCTCTTTTTCTCTCTTCCCTTCCTCCCCCTTTCCCCCTTTCGTCTCTTTCTGATGCTTCGAAACATTATCTGGATAAAG
CAGGAATTACTACTGCTTGTTTACGAATTAAATCGAAGTGGACTGCTGGCGGAAAATGAGAAAATTCGACCTATCCTT
GCGCAGCTCGAGAAGCTCTTACTTTGCGACCTTTCGCCATCAACTAACGATTCTGTCAAAAACTGACGCGTTGGATGA
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>OTU9706;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9474),c:"Bacteroidia"(0.7114),o:"Bacteroidales"(0.4
280),f:"Porphyromonadaceae"(0.1485),g:Barnesiella(0.0157);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGAGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGACGACGGC
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GCGTAGGTGGCTTGTTAAGTCAGCGGTGAAAGTGATTGTCTCGACCAATGAAGTGCCGTTGAAACTGGCGAGCTTGA
GTACGTACGGGGCAGGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGCCGAACCCCGATCGCGAATG
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>OTU9708;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9638),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.6
881),f:"Prevotellaceae"(0.3884),g:Prevotella(0.1299);
CCTTTCTTCCTCCTTTATTCCTATTTTTCCCTTTTCTTCCGCCTGCCCCCTCCATGCCGCGTGAAGGACTAAGGCCCTATG
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AGGCCGTCTTATAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGTGAGACTTGAGTGC
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>OTU9710;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.9
606),f:"Prevotellaceae"(0.9015),g:Prevotella(0.6200);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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AGCGTAGGCCGTCTTATAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGTGAGACTTG
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>OTU9709;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Lachn
ospiraceae(0.1872),g:Parasporobacterium(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGCACGATGGGGGAAACCCAGCTGCAGCGACGACGCGAGACTGAAGCAGTA
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AGCCAGAAGTGAAAGCCCGGGGCTCAACCCCGAGGACTGCTTTTGGAACTGTCGAACTAGAGTGCAGGAGGGGCAA
GCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTCCTGCACTC
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>OTU9713;tax=d:Bacteria(0.0024),p:"Proteobacteria"(0.0000),c:Deltaproteobacteria(0.0000),o:Desulfobac
terales(0.0000),f:Desulfobulbaceae(0.0000),g:Desulfotalea(0.0000);
GACTTCCCGCCCGACTACGAACGCCCAGGTATATGCACAACATGAGATGCTTGCTTCTCCACCGAAGGAGTCTACTGC
TCGCGTTGCGTCTATTATGGAAAACACCAATCTTTCCAAGCAACAGCAGGTTTCCGAGATTATGCGCCAAATGCTTACT
CAAGCTCAAACGGCTGGTCAGTATTTTACCAATGACCAAATCAAAGAAATGACTCGCAAGGTTAGTGCTGAGGTTGA

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>OTU9712;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:"Bacteroidia"(0.1159),o:"Bacteroidales"(0.0
547),f:"Rikenellaceae"(0.0149),g:Rikenella(0.0066);
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>OTU9711;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:Sphingobacteriia(0.2321),o:"Sphingobacteri
ales"(0.1015),f:Sphingobacteriaceae(0.0355),g:Olivibacter(0.0056);
ACGGGAGGCAGCAGTAAGGGATATTGGTCAATGGGCGGGAGCCTGAACCAGCCATGCCGCGTGAGGGAATTAGGC
CCTACGGGTCGTAAACCTCTTTTTCCGGGGGATAACGGGCGCCACGGGTGGCGCCGTGAAGGTACCCGGAGAATAA
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TGAATGCGGTCGAGGCCAGCGGAATGTGGCGTGTAGCGGTGAAATGCATAGATATGGCACAGAACACCGATAGCGA
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streptococcaceae(0.0000),g:Peptostreptococcus(0.0000);
TCCTTGCGCAGCTCGAGAGGCTCTTCCTTTGCGACCTTTCGCCCTCACCTCCCGATTCTGTCCAACACTGACGCGTTGG
CTGAGGCGAAGTGGCTTCATATGCTTGGCACGTTCGTCAAGGACTGGTTTAGATATGAGTCACATTTTGTTCATGGTA
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AATCATGAGTCAAGTTACTGAACAATCCGTACGGTTCCAGACCGCTGTGGCCGCTATGAAGCTCAGTCAGGCTTCTGC
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>OTU9716;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9540),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5
023),f:"Prevotellaceae"(0.1679),g:Alloprevotella(0.0326);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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>OTU9718;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.9063),f:"Prevotellaceae"(0.8146),g:Prevotella(0.3915);
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>OTU9715;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9540),c:Actinobacteria(0.8614),o:Actinomycetales(0.6509),f:Micrococcaceae(0.2184),g:Micrococcus(0.0519);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGGGATGACGGCCTTCGGGTTGTAAACCTCTTTTAGTAGGGAAGAAGCGAAAGTGACGGTACCTGCAGAAGAAGCACCGGCTAGCTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCGAGCGTTATCCGGAATTATTGGGCGTAAAGAGCTCGTAGGCGGTTTGTCGCGTATGCCGTGAAAGTCAGAGGCTTAACTCCGGAGCTGCGGTGGGAACGGGCGGACTTGAGTGCAGTAGGGGAGGCTGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGGACACCAGTGGCGAAGGCGGCTTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9719;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9441),c:"Bacteroidia"(0.5195),o:"Bacteroidales"(0.2679),f:"Porphyromonadaceae"(0.0904),g:Parabacteroides(0.0157);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGGAGCCTGAACCAGCCAAGTCGCGTGAGGGATGACGGCCCTACGGGTTGTAAACCTCTTTTACAAGAGAATAAAGGGCTTTACGTGTAATGTTTTGCATGTATCTTATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGTCGCCGAGTAAGTCAGCGGTGAAAGTTAGTGGCTCAACCATTAAACTGCAGTTGAAACTGGTTGGCTTGAGTACAGACGAGGCGGGCGGAATTCGTGGTGTAGCGGTGAAATGCATAGATATCACGAAGAACCCCGATCGCGAAGGCAGCCTGCTAGACCGTGACTGACACTGATGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU9721;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9762),o:Clostridiales(0.9497),f:Clostridiaceae_1(0.6709),g:Clostridium_sensu_stricto(0.5239);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCAACGCCGCGTGAGTGACGAAGGTTTTCGGATCGTAAAGCTCTATCTTTTGGGAAGATAATGACGGTACCCAAGGAGGAAGCTACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGTCGAGCGTTATCCGGATCTACTGGGCGTAAAGGTATCGTAGGCGGATGATTAAGTGGGATGTGAAATACCCGGGCTCAACTTGGGTGCTGGATTCCAAACTGGTTAGATAGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAACTGACGCTGAGGATCGAAAGCGTGGGAGAAAACAGGATTAGATACCCTGGTA
>OTU9722;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Ruminococcaceae(0.0904),g:Acetanaerobacterium(0.0181);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGGGAAGACGGTCCTCTGGATTGTAAACCTCTGTCTTCGGGGACGAAAGAAGACGGTACCCGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGTGTAGGCGGCAGTATAAGTCCGGAGTGAAAGTCCTGCTTTCAAGGTGGGAATTGCTTTGGAGACTGTACAGCTTGAGTGCGGAAGAGGTAAGTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACAGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9723;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9180),o:"Bacteroidales"(0.8303),f:"Porphyromonadaceae"(0.6350),g:Butyricimonas(0.3915);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAATGGTCTATGGCCTGTAAACCTCTTTTGCCAGGGAAGAATAAAAGGTACGTGTACCTTCTTGCCAGTACCTGACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTGTCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGCTTCGCAAGTCAGCGGTGAAAGGCCCGGGCTCAACCCGGAAAGTGCCGTTGATACTGTGAGGCTGGAATGCGGATGCTGTGGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCACTTGGAACCCCGATAGCGAAGGCAGCTTCCCAGGCTCGTTCTGACGCTGATGCGCGAGAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU9720;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9348),c:Deltaproteobacteria(0.7114),o:Desulfovibrionales(0.4280),f:Desulfovibrionaceae(0.2524),g:Bilophila(0.0519);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATGCCGCGTGAAGGACTAAGGCCCTATGGGCTGTAAACTTCGTTAGACGCAGAGCAATAAGGGCCACGTGTGGTCCGATGAGAGTATGCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTAATCGGAATCACTGGGCGTAAAGCGCACGTAGGCGGCTTGGTAAGTCAGGGGTGAAATCCCACAGCCCAACTGTGGAACTGCCTTTGATACTGCCAGGCTTGAGTACCGGAGAGGGTGGCGGAATTCCAGGTGTAGGAGTGAAATCCGTAGATATCTGGAGGAACACCAGTGGCGAAGGCGGCCAACTGGGCTTTTACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9725;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9798),o:"Bacteroidales"(0.9753),f:Bacteroidaceae(0.8864),g:Bacteroides(0.8124);

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CGTAGGTGGACTGGTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAGAATTGCAGTTGATACTGTCAGTCTTGAG
TACAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGC
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>OTU9724;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9802),c:"Bacteroidia"(0.8897),o:"Bacteroidales"(0.7623),f:Bacteroidaceae(0.4224),g:Bacteroides(0.2171);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACTAGCCAAGTAGCGTGCAGGATGAAGGC
TCTATGGGTCGTAACCTTCTTTTATATAAGCATAAATTGCAGTATGTATACTGTTTTGTATGTATTATATGAATAAGGAT
CGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGTATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGC
GTAGATGGATGTTTAAGTCAGATGTGAAAGTTAGCGGCTTAACCGTAGAACTGCAGTTGATACTGGATATCTTGAGT
GCAGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACACCGATTGCGAAGGCA
GCCTGCTAGGCTGTGACTGACACTGAGGCTCGAAAGTATGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU9726;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.5195),o:"Bacteroidales"(0.2679),f:Bacteroidaceae(0.1291),g:Bacteroides(0.0230);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGAAGACTGC
CCTATGGGTTGTAAACTTCTTTTATAAGGGAATAAAGTGCACCACGTGTGGTGTTTTGTATGTACCTTATGAATAAGG
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCTGTGCGTCAAGTCAGGGGTGAAATTCCGGGGCTCAACTCCGGGGCTGCCCTTGATACTGTCGCGCTGGA
GTGCGGATGCCGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCACTCAGAACACCGATTGCGAAGG
CATCTCACAAATCCGCTATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU9727;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Bacilli(0.9711),o:Lactobacillales(0.8520),f:Streptococcaceae(0.4914),g:Streptococcus(0.3043);

ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGGGGAACCCTGACCGAGCAACGCCGCGTGAGTGAAGAAGGT
TTTCGGATCGTAAAGCTCTGTTGTTATAGAAGAACGTGTGTGAGAGTGGAAAGTTCACACAGTGACGTTAACTAACC
AGAAAGGGACGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGTCCCTAGCGTTGTCCGGTTTTATTGGGTGT
AAAGCGAGCGCAGGCGGTTCTGTAAGGGTGAAGGTAAAGGAAGTGGCTTAACCATTGTGCGCGTTGGAGACTGCAG
GACTTGAGTGCAGAAGGGGAGAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAGGAACACCGGT
GGCGAGAGCGGCTATCTGGGCTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTG
GTA

>OTU9729;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9994),c:"Bacteroidia"(0.9897),o:"Bacteroidales"(0.9937),f:Bacteroidaceae(0.9108),g:Bacteroides(0.9085);

ACGGGAGGCAGCAGTGGGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTCGCGTGAGGGATGATTGC
CCTCTGGGTTGTAAACTTCTTTTATATGGGAATAAAGTTTTCCACGTGTGGAATTTTGTATTTACCATATGAATAAGGA
TCGGCTAACTCCGTTCCAGCAGCCGCGGTAATACGGCGGATCCGAGCGTTATCCGGATTTCGTGGGTTTAAAGGGAG
CGTAGGTGGACAGTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAGAAGTGCAGTTGATACTGGCTGTCTTGAG
TACAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGC
AGCTCACTGGACTGCAACTGACACTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU9728;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6036),c:"Bacteroidia"(0.0726),o:"Bacteroidales"(0.0473),f:"Porphyromonadaceae"(0.0113),g:Barnesiella(0.0056);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGAAGAAGGT
CCTATGGATTTTAAACTTCTTTTGTCGAAGAGCAATAATGGTCTCGCGAGATCCGATGAGAGTATCCGACGAATAAGC
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATTCGAGCGTTATCCGGATTTACTGGGTTTAAAGGGT
GCGTAGGCGGGGTGGTAAGTCAGCAGTGAAAGGTCCACGCTGAACGTGGAACGTGCGTTTGATACTGTGGTTCTTG
AATGCGGATGAGGTGGGAGGAATGTGTGGTGTAGCGGTGAAATGCATAGATATCAGAAAGAACACCAGTTGCGAA
GGCGTCTCACGAATCCGCAATTGACGCTGAGGCACGAAAGCGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU9730;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8520),f:"Prevotellaceae"(0.5991),g:Prevotella(0.2171);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCGAAACCAGCCGAGTAACGTGCAGGACGACGGC
CCTATGGGTTGTAAACTGCTTTTAGAGAGAGATAAAGTGTGCCACGTGTGGCATATTTCAGGTACCCTATGAATAAGG
ACCGGCTAATTCCGTGCCATCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGATTTACAGGGA
GCGTAGGCCGTCTTATAAGCGTGTTGTGAAATGTCGGGGCTGAACTTGCGCATTGCAGCGGGAACTGTGAGACTTGA
GTGCGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGACGAACTCCGATTGCGAAGG
AAGCCAGCTGTCGCGCAACTGACGATGAAGCTCGAAAGCGTGGGTATAGCACAGGATTAGCTACCCTGGTA

>OTU9733;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.9280),f:"Prevotellaceae"(0.8505),g:Prevotella(0.4351);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACTTTTGGCATATTGCAGGTACCCTATGAATAAGG
ACCGGCTAATTCCGTTCCATCAGCCGCGGTTATACGGAAGTTCCTGGCGTTATCCGGATTTATTGGGTTTAACGGGAG
CGTAGGCCGTATTATAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGAATTGCAGCGCGAACTGTGAGACTTGAG
TGAGAAGGAAGTAGGAGGAATTCGTCGTGTAGAGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGC
AGCATGATGTAGCGCAACTGACGCTGAAGATCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU9732;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9321),o:"Bacteroidales"(0.8412),f:"Prevotellaceae"(0.4563),g:Prevotella(0.0808);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACTGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGAGCTACGTGTGCCTTTTTGTATGTACCGTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGTCTCTTAAGCGTGTTGTGAAATGTCGCGGCTCAACCGGGGCAGTGCAGCGCGAACTGGGAGACTTGAGTGCGTAGGAAGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCGTACTAGAGCGTAACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU9734;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.6881),f:"Prevotellaceae"(0.4224),g:Prevotella(0.0615);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCACGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTGGGCCACGCGTGGCCTTTTGCACGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTGTAAAGGGAGCGCAGGCCGCAGGGCAAGCGAGTTGTGAAATGCAGTCGCTCAACGGCGGCACTGCAGCGCGAACTGCGCAGCTTGAGTGCGCGCGAGGATAGCGGAATTCGTCGTGTAGCGGTGAAATGCGTAGATATGGCGAAGAACTCCGATTGCGAAGGCAGCTGACGGGTGCGTAACTGACGCTCATGCTCGAAAGTGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU9731;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8897),o:"Bacteroidales"(0.7623),f:"Prevotellaceae"(0.4224),g:Prevotella(0.0712);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGCCCTATGGGTTGTAAACTGCTTTTATACGGGGATAAAGTGGGCTACGTGTGGCTTATTGCAGGTATCGTATGAATAAGGATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTGTTAAGCGAGTTGTGAAATTTCGGGGCTCAACCTGAACATTGCAGCGCGAACTGGCAGACTTGAGTGCACAAGAGGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATAACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGTAACTGACGCTGAAGCTCGGAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9735;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachnospiraceae(0.3544),g:Clostridium_XlVb(0.0712);

ACGGGAGGCAGCAGTGGGGAATATTGCAAAATGGGGGAAACCCTGATGCAGCAACGCCTCGTGAAGGAAGAAGGTTTTCGGATCGTAAACTTCTATCAATAGGGACTAAAAAAATGACGGTACCTAACTAAGAAGCCCCGGCTAACTACGTGCCAGCACCCGCGGTAATACGCAGCGGGCAACCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGCATGGTAAGTAAGATGTGAAAGCCCGCAGCTTAACTGCGAGGATTGCATTTTAAAGTATCAAGCTAGATTACAGGAGAGGAAAGCGGGATTCCTAGTGTAACGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAAGCGGCTTTCTGGACTGAAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9736;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9900),c:"Bacteroidia"(0.7114),o:"Bacteroidales"(0.4280),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0230);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGCCGGAAGGCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATTCGGGGGTAATGTGGTCCACGCGTGGCCTTTTGCAGGTACCGCATGAATAAGCACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGCCGGGTAAGCGTGTGGTGAAATGCGGGCGCTCAACGTGTGCACTGCCTCGCGAACTGCGCGTCTTGAGTGCGCGTAACGTGGGCGGAATGCGCGGTGTAGCGGTGAAATGCTTAGATATCGCGAAGAACTCCGATTGCGAAGGCATCTGACGAGTGGATAACTGACGCTGAGGCACGAAAGTGCGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU9737;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Lachnospiraceae(0.4563),g:Coprococcus(0.2607);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCCACGCCGCGTGAGCGAAGAAGTCTTTCGGTATGTAAAGCTCTATAAGCAGGGAAGAAAATGACGGTACCTGCCTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTATGGTGCTAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGTAAGTCTGAAGTGAAAGCCCGGGGCTCAACCCCGGGACTGCGTTGGAAACTATGAAGCTAGAGAGTCGGAGAGGTAAGAGGAATTCCCAGTGTAGAGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATGACTGACGTTGAGGCGAGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9738;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Lachnospiraceae(0.1291),g:Roseburia(0.0204);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGCATGATGACGTCTTTCGGTGTGTAAAGCTCTATCAGCAGGGGAGAAGAAATGACGGTACCTGACTAATAGGCGCCGGCTAACTACGTGCCAGCGGCCGCGGTAGTACGAAGGGGGCAAGTGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGCATGATAAGTGTGATGTGAAAACCCAAGGCTCAACCGCGGGACTGCATTGGAAACTGGCGTGCTGGAGTGACGGAGATGTAAGCGGAATTCGTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCGGCTTACTGGACGATGACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTG

>OTU9739;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Lachnospiraceae(0.3884),g:Clostridium_XlVa(0.1299);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTATTTCGGTATGTAAACTTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTTTGCAAGCCAGATGTGAAAGCCCGGGGCTCAACCCCGGGACTGAATTGGGAATGGTAATGCTAGAGGGTCGGAGAGGCAAGTGGAATCCCTGGTGTAGCGGGGAAATGCGTAGATATTAGGAGGACACCAAGTGGCGAGGGCGGCCTGCGGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9740;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Clostridiales_Incertae_Sedis_XIII(0.0457),g:Anaerovorax(0.0110);

CCTTTCTTCCTCCTTTTGGAATATTGGGCACTGGGCGAAAGCCTGACCCAGCAATGCCGCGTGAGTGAAGAAGGTCTTCGGATTGTAAAGCTCTTTGATTAGGGACGAAAAAATGACTGTACCTAAAGAACAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGGGTGCGTAGGTGGTTTAGCAAGTTGGAAGTGAAATACCCAGGGCTTAACTCGGGTGCTGCTTTCAAAACTACTAGACTTGAGTGTGGGAGAGAATAGTGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTATTTGGCCCATAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9742;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:"Bacteroidia"(0.0626),o:"Bacteroidales"(0.0413),f:"Porphyromonadaceae"(0.0099),g:Porphyromonas(0.0046);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGAAGGAAGGCGGTCCTATGGATTGTAAACTGCTTTTTTCGGGGAATAATAAGACTCTTGCGAAGGGTGATGCAGGTACCCGAAGAATAAGCATCGGCTAACCCCGTGCCAGCAGCCGCGGTAATACGGAGGATTCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTTGGATAAGTTTGAGGTAAAATGCTGCGGCTCAACAGGAGTTTGCTTTGAAAACTGTGTGACTAGGATGTGAGCGGAGTAGGCGGAATGAGTCATGTAGCGGTGACATGCATAGATATGATTCAGAACACCGATCGCGAAGGCAGCTTGCGGGGATACGATTGACGCTGAAGCACGAAGGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU9741;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9755),o:Clostridiales(0.9389),f:Lachnospiraceae(0.7428),g:Clostridium_XlVa(0.5720);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTCATACGTAGGGGGCAAGCGCTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGAAGCAAGTCTGAAGTGAAAACCCAGGGCTCAACCCTTGGAGGGCGTTGGAAACTGTTTTGCTAGCGTGTCGGAGAGGTGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATGAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCGATAACTGACGTTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9743;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9507),c:Gammaproteobacteria(0.8472),o:Pasteurellales(0.6138),f:Pasteurellaceae(0.4224),g:Actinobacillus(0.0519);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCCATGCCGCGTGAATGAAGAAGGCCTTAGGGTTGTAAAGTTCTTTCGGTGATGAGGAAGGTGTTTGTTTGAATAGGACAAGCAATTGACGTTAGTCACAGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGATAATACGGAGGGTGCGAGCGTTAATCGGAATAACTGGGCGTAAAGGGCACGCAGGCGGTGACTTAAGTGAGATGTGAAAGCCCCGGGCTCAACTTGGGTGCTGCATTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAATGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATCACTCAGAACACCGATTGCGAAGGCATCTCACAAATCCGCTATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU9744;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:Sphingobacteriia(0.0726),o:"Sphingobacteriales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Parapedobacter(0.0056);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGTCCTATGGATTGTAAACTGCTTTTTTCGGGGAATAATAAGACTTTTGCGAATGTTGATGCAGGTCCCCGAAGAATACGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATTCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTTAGATAAGTTTGAGGGTAAAGGATGCTGCTAAACAGGAGTTTGCATTGAAAACTGTCTGACTAGGATGTAAACGGAGCAGGCGGAATGAATAATGTAGCGGTGACATGCATAGATATGAGGAAGAACACCGATCGCGAAGGCAGCTTGCGAGGATACGATTGACGCTGAAGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU9745;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Lachnospiraceae(0.4563),g:Clostridium_XlVa(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAATCCTGATGCAGCGACGCCGCGTGAGTGAAGACGTATTTCTGTATGTAAAGCTCTATCAGCAGGGAAGTAAATGACGGTACCTGACTAAGAATCCCCGTCTAACTACGAGCCAGCAGCCGCGGCAATACGTCGGCGGCCAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAGAAGCAAGTCTGAAGTGAAAACCCGGGGCTCAACACTGGGCGTGCTTTGGAAACTGTTGTGCTAGAGTGTCGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9746;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7497),o:Clostridiales(0.3639),f:Ruminococcaceae(0.1679),g:Intestinimonas(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGGTCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGATGAAGGCCTTCGGGTTTTAAACTTCTTTTACTAGGGACGAAGAGGTGACGGTACCTCGAGTAAAAGGCACGGCCAACTACGTGCCAGCAGCCGCGGCAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGAATGCAAGTCAGATGTGAAATCTATGGGGTTAACCCATGAGCTGCATTTGAAACTGCATTTCTTGAGTGTCGGAGAGGTAGACGGAATTCGTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGTCTACTAGACGATTACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9747;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.5174),c:Epsilonproteobacteria(0.2902),o:Campylobacterales(0.1249),f:Campylobacteraceae(0.0252),g:Campylobacter(0.0076);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTTTTCGGATCGTAAACTTCTATCCTTGGTGAAGATAATGACGGTAGCCAAGAAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGTTTGGCAAGTTGGGAGTGAAATACCTAGGGCTTAACCATAGAACTGCATTTGAAACTGTTACTCTAGAGTATGGGAGAGGTAGGTGGAATTCTTGGTGTAGGGGTAAAATCCGTAGATATCACCAAGAATACCCATTGCGAAGGCGATCTGCTGGAACTCAACTGACGCTAAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9748;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Rumin
ococcaceae(0.5273),g:Ruminococcus(0.2607);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGT
CTTCGGATTGTAAAGTTCTTTTATTAAGGACGAAGAAGTGACGGTACTTAATGAATAAGCTCCGGCTAACTACGTGCC
AGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGAGAAGC
AAGTCAGTGGTGAAAACGATGGGCTTAACCCATCGACTGCCATTGAAACTGTTTCCCTTGAGTGAAGTAGAGGCAGG
CGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTT
AACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU9752;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9791),o:"Bacteroidales"(0.9
730),f:Bacteroidaceae(0.8864),g:Bacteroides(0.8124);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGATAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGC
CCTATGGGTCGTAAACTTCTTTTATATGAGAATAAAGTGCGGTATGTATACTTATTTGTATGTATAATATGAATAAGGA
TCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAAGATCCGGGCGTTATCCGGAGTTATTGGGTTTAAAGGGAG
CGTAGGTGGACTGGTAAGTCAGTTGTGAAAGGTGGCGGCTCAACCGGAAAATTGCAGTTGAGACTGTCAGTCTTGA
GTACAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGG
CAGCTCACTGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU9751;tax=d:Bacteria(0.9827),p:Firmicutes(0.1707),c:Clostridia(0.0525),o:Clostridiales(0.0352),f:Clostri
diales_Incertae_Sedis_XIII(0.0086),g:Anaerovorax(0.0043);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAATGCCGCGTGAGTGAAGAAGGT
CTTCGGATTGTAAAGCTCTTTGATTAGGGACGAAAAAATGACTGTACCTAAAGAACAAGCCCCGGCTAACTACGTGCC
AGCAGCCGCGGAAATACGTAGGGGTCAAGCGTTGTCCGGAATTATTGGGCGTAAAGGGTGCGTAGGTGGTGTAGCA
AGTTGGAAGGGAAATACCCAGGGCTTAACTCGCGTGCTGCTTTCAAAACTACTAGACTTGATTGTGGGAGTGAACAG
TGGAATTCCTAGTGTAGCGGTGGAATGCGCAAATATTAGGAGTAACACCAGTGGCGACGGCTACTATTTGGCCCATA
ACTGACACTGAGGCACAAAAGCGTGGGGAGCAAACAGGATTTGATAACCTGGTA
>OTU9749;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Rumin
ococcaceae(0.1872),g:Papillibacter(0.0204);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGTGAAGAAGGA
CTTCGGGTTGTAAACCTCTATTACCAGGGACGAAAGACGTGTCTGTGCCTGGAGCAAAAGCTGCGGCTAAATACGTG
CCAGAAGCCGCGCTAATACGCAGGTGGCTAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGCTG
CAAGTCAGATGTGAAAGCTAGGGGCTCAACTCCTAGACTGCATTTGAAACTGTTGCCCTTGAGTATCAGAGAGGCAA
GCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGA
CAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9753;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.9063),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTATGTATACTGTTTTGTATGTATTATATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTTAGATAAGTTTGAGGTTAAATGCTTCTGCTCAACAGGAGTTTGCCTTGAAAACTGTCTGACTAGGATGTAAACGGCGCAGGCGGAATGAATCATGTAGCGGTGACATGCATAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU9754;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9762),o:"Bacteroidales"(0.9497),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCAAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATATGGGAATAAAGTTTTCCACGTGTGGAATTTTGTATGTACCATATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACAGTTAAGTCATTTGTGAAAGTGTGAGGCTCAACCTAAGAATTGCAGGTGGTACTGTCTGTCTTGAGTACAGGAGAGGAAGGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGGTGGCGAAGGCAGCTCACTGGACTGGAACTGACACTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU9750;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Lachnospiraceae(0.2864),g:Clostridium_XlVa(0.0808);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCGCAGGGGACGAAGGAAGTGACGGTACCCTGTAAGAAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGACGGCGAAGCAAGTCTGAAGTGAAAACCCGGGGTTCAACCCTGGGACTGCTTTGGAAACTGTTTTGCTAGAGTGTCGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTATTTGGCCCATAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9755;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:"Bacteroidia"(0.5195),o:"Bacteroidales"(0.2679),f:Bacteroidaceae(0.1098),g:Bacteroides(0.0204);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAGTGGGCGAAAGCCTGGCCCAGCAATGCCGCGTGAGTGAAGAAGGACTTCGGATTGTAAAGCTCTTTGATTAGGGACGAAAAAATGACTGTACCTAAAGAACAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGATTTACTGGGCTTAAAGGGAGCGTAGGCGGATGATTAAGTGGGATGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTTGATATCTTGAGTGCAGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAATGCAGCCTGCTAAGCTGCTACTGACATTTAGGCTCGAAAGTGTGGGTATCAAACAGGCTTAGATACCCTGGTA

>OTU9757;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9740),o:"Bacteroidales"(0.9172),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTATGTATACTGCCTTGTATGTATTATATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGGTAAGTAAGTAGTAAAAGTCTGCGGCTCGACCGTAAAATTGCATTTGGAACTGTCAGTCTTGAGTACAGTAGAGATGGGCGGAATTCTTGGTGTACCGGTGAAATGCTTAGATATCGCGCAGAACTCCGATTGCGAAGGCGGCTTGCCAAGCCATAACTGACACTGAAGCACGAAAGCGTGGGTATCAAACAGGAGTAGATACCCTGGTA

>OTU9756;tax=d:Bacteria(0.9073),p:"Bacteroidetes"(0.1905),c:"Bacteroidia"(0.0425),o:"Bacteroidales"(0.0291),f:Prolixibacteraceae(0.0073),g:Prolixibacter(0.0039);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGTGTGCGGGAAGGAGGCCCTCTGGGCTGTGAACTGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGCTGACAGTACCAGGGTAATAAGCATCGGCTAACTCCGTGCCTGCAGCCGCCGTAATACGGGCGATGCGTGCGTTATCCGGACTCATTGGGTTTAAAGGGTGCGTAGGCTGTGCGTAAAGTCAGGGGTGAAAGTCCGGGGCTCAACCCCGGAACTGCCCTTGATACTGTCGGGCTGGAGTGCGGGAGCGGGCGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACGCAGAACACCGGTTGCGAAGGCATCTAGCGAGTCCGTAACTGACGCTGAGGTGCGAAAGCGTGGGGAGAGAACAGGATTAGATACCCTGGTA

>OTU9758;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Lachnospiraceae(0.3544),g:Clostridium_XlVa(0.1299);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTATTTCGGTATGTAAACTTCTATCAGCAGGGAAGAAGATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTCACTGGGTGTAAAGGGAGCGTAGACGGCGATGCAAGCCAGATGTGAAAGCCCGGGGCTCAACTCCGGGGCTGCCCTTGATACTGTCGCGCTGGAGTGCGGATGACGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCGTAGATATCACGAAGAACTCCGGTTGCGAAGGCAGCTTGCTGGAGCGTAACTGACGCTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU9759;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Bacilli(0.3483),o:Lactobacillales(0.1483),f:Streptococcaceae(0.0560),g:Streptococcus(0.0134);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAATGGTCTATGGCCTGTAAACCTCTTTTGTCAAGGAAGAATAAAAGGTACGCGTACCTTCTTGCCAGTACTTGACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTCTGTAAGTCTGAAGTTAAAGGCAGTGGCTTAACCATTGTACGCTTTGGAAACTGCAGGACTTGAGTGCAGAAGGGGAGAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9760;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9835),c:Gammaproteobacteria(0.9604),o:"Enterobacteriales"(0.7252),f:Enterobacteriaceae(0.5273),g:Escherichia/Shigella(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGAGTATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTGCTCACTGACGTTACCCGCAGAAGAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATTACCGTGCGTAAAGCGCACGCAGGCGGTTTGTTAAGACCGATGTGAAAGCGCCGTGCCCAAGCTTGTGACTGCATCTGATTCTGGCAGGCTTGAGTCTCGTAGGGGGGGGTGGAATTGCAGGTGTAGTGGTGGAATGCATAGAGATCTGGAGGAATACCGGTGGCGAAGGCTGCCCCCTGTACGAAGACTGACGCTCAGGTGCGAAGGCGTGGTGAGCAAACAGGATTAGATACCCTGGTA

>OTU9761;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Clostridiaceae_1(0.1679),g:Clostridium_sensu_stricto(0.0326);
ACGGGAGGCAGCAGTGGGGAACATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACGAGCAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAATTGCAGTTGAAACTGTTTGTCTTGAGTTCACATAAGGATGGTGGAATTTGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU9764;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9900),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4652),f:Bacteroidaceae(0.1291),g:Bacteroides(0.0230);
ACTTAATTCATCATTTATTAATATTTTTCAATTTTCTTAATACTTAACCATCCATTCCTCTTTCATTAATGAGGTCCTATGGATTGTAAACTGCTTTTTTCGGGGAATAATAAGACTTTTTCGAAGGTTGATGCAGGTACCTGAAGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATTCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGGTAAGTGAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGCCTGCTTGAGTGCGGCAGAGGCAGGCGGAATTTGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTTGCTGGAGCGTAACTGACGCTGATGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU9762;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Ruminococcaceae(0.2184),g:Oscillibacter(0.0204);
ACGGAAGGCAGCAGTGGGGAATATTTTGCAATTTTCTCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTAAGAGGGAAGCGCAGAAGACGGTACCTCTAGAATAAGCCACGGCTAACTACGTGCCAGCCGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAGAGGGCGTGCAGCCGGGTCTGCAAGTCGGATGTGAAATCCATGGGCTCAACCCATGAACTGCATTTGAAACTGGAGATCTTGAGTGTCGGAGGGGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGATAACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9763;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Ruminococcaceae(0.0355),g:Clostridium_IV(0.0076);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGATGACGGTCCTACGGATTGTAAACCTCTTTTGTCGGGGAGTAACGTGCGGGACGGGTCCCGTATTGAGAGTACCCGAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGAATGCAAGTCAGATGTGAAATCCAAGGGCTCAACCCTTGAACTGCATTTGAAACTGTATTTCTTGAGTGTCGGAGAGGTTGACGGAATTCCTAGGGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9765;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Clostridiaceae_1(0.4563),g:Clostridium_sensu_stricto(0.0904);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTTTTAAGTGAGATGTGAAATACCCGGGCTTAACTTGGGTGACGGCTTTCAAACTGGGAGGCTAGAGGGCAGGAGAGGAGAAGGGAATTTCCAGGGTAGGGGTGAAATGGGTAGAGATTAGGAAGAACCCCAGGGGCGAAGGGGCTTCTCCGGACTGGAACTGACGCCGAGGGTTGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9766;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.2586),c:Spirochaetia(0.1159),o:Spirochaetales(0.0547),f:Spirochaetaceae(0.0149),g:Treponema(0.0066);
ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACACCGCGTGAACGAAGAAGGCCGGAAGGTTGTAAAGTTCTTTTGAAACTGAAGAATAAGTATTGCAGGGAATGGCGATATGGTGACGGTAGGTTTTGAATAAGCAACGGCTAATTACGTGCCAGCAGCCGCGGTAACACGTAAGTTGCGAGCGTTGTTCGGAATTATTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGAGGTGAAAGGCTACGGCTCAACCGTAGTAAGCCTTTGAAACTGGGAAACTTGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAGGGCGGATTGCTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9769;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9671),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.3959),f:Bacteroidaceae(0.1872),g:Bacteroides(0.0519);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGGATACCCGCTTGCATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGCCTGTTAAGTCAGCGGTGAAATGTCCTCGCTCAACGAGGAAAGTGCCGTTGATACTGGTGGGCTTGAATGCGGATGCCGTTGGAGGAATGTGTGGTGTAGCGGTGAAATGCATAGATATCACACAGAACACCGATTGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU9767;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Peptococcaceae_2(0.0252),g:Desulfotomaculum(0.0076);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGTTTGTAAACCTCTGTCCTAAGAGAAGAGGGGAAGACGGCATCTTAGGAGGAAGCCCCGGCCAACTACGTGCCAGCAGCCGCGGTAATACGAAGGGGGCGAGCGTCGTCCGGAATGATTGGGCGTAAAGGGCGTTTAGGCGGTTTTATAAGTCTGGAGTGAAAGTCCTGTTTTTAAGATGGGAATTGCTTTGGATACTGCTGGGCTTGAGTGCAGGAGAGGACAGCGGAATTACCGGTGTAGCGGTGAAATGCGTAGAGATCGGTAGGAACACCAGTTGCGAGGGCGGCTCTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9768;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Bacilli(0.2321),o:Bacillales(0.1015),f:Paenibacillaceae_1(0.0355),g:Paenibacillus(0.0087);
CCTTTCTTCCTCCTTTTTGACTATTGGGCCCTGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCCTTGGTGACGAAGGAAGTGACGGTAGCCAAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGCGTAGGCGGCTTTTTAAGTTAGAAGTGGAAGTCCTGCTTTTAAGGTGGGAATTGCTTTTAATACTGGAAGGCTTGAGTGCAGAAGAGGTAAGTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGAGATTGGGAAGAACACCAGTGGCGAAGGCGACTTACTGGGCTGTAACTGACGCTGAGGCGCGAAAGCGTGGTGAGCAAACAGGATTAGATACCCTGGTA
>OTU9770;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9987),c:Deltaproteobacteria(0.9755),o:Desulfovibrionales(0.9389),f:Desulfovibrionaceae(0.8146),g:Bilophila(0.5720);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAACCTCTGTCCTTGGTGACGAAGGAAGTGACGGTAGCCAAGGAGGAAGCCCCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATCACTGGGCGTAAAGCGCACGTAGGCGGCTTGGTAAGTCAGGGGTGAAATCCCACAGCCCAACTGTGGAACTGCCTTTGATACTGCCAGGCTTGAGTACCGGAGAGGGTGGCGGAATTCCAGGTGTAGGAGTGAAATCCGTAGATATCTGGAGGAACACCGGTGGCGAAGGCGGCCACCTGGACGGTAACTGACGCTGAGGTGCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU9771;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9168),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3319),f:"Porphyromonadaceae"(0.0560),g:Parabacteroides(0.0134);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGATGAAGGCCCTACGGGTTGTAAACCTTTTTTATAAGGGAATAAAGGGTGCCACGTGTGACGCATTGCATGTACCTTATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTAGCCGGATTCATTGGGTTTAAAGGGTGCGTAGGTGGCATGTTAAGTCAGCGGTGAAAGTCAGTGGCTCAACCATTGAATTGCCTTTGAAACTGGCGATCTTGAGTACCTACGAGGCAAGCGGAATGCCTAGTGTAGCGGTGAAATGCATAGATATCACGAAGAACCCCAGTCGCGAAGGCAGCCTGCCAGGCCGTGACTGACACTGATGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU9773;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9769),o:Clostridiales(0.9606),f:Clostridiaceae_1(0.5632),g:Clostridium_sensu_stricto(0.3915);
AAGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGCTTTCGGATTGTAAAGCTCTGTCTTTGGGGAAGATAATGACGGTACCCAAGGAGGAATCCATGTCTAATCACGTTCCAGCAGCCGCGGTTATACGTAGGTGGCGGGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAAGTGGGATGTGAAAGACCCGGGCTGAACTTGGGTGCTGCATTCCAAACTGGTTAGCTAGAGTGGGGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTGTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9772;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8331),o:Clostridiales(0.5766),f:Ruminococcaceae(0.2864),g:Ethanoligenens(0.0230);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGTACCTGACGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGTGCTCAAGTTGAATGTGAAATGCAGAGGCTCAACCTCTGAATTGCGTTCAAAACTGAGTATCTTGAGTGAAGTAGAGGCAGGCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTTACTGACGCTGATGCTCGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU9774;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.8448),c:Alphaproteobacteria(0.4812),o:Rhodospirillales(0.1719),f:Rhodospirillaceae(0.0710),g:Marispirillum(0.0110);
ACGGGAGGCAGCAGTAAGGAATATTGGACAATGGGGGAAACCCTGATCCAGCCATGCCGCGTGAGTGAAGAAGGCCTTCGGGTTGTAAAGCTCTTTTGTACGGGAAGATGATGACGGTACCGTAAGAATAAGCACCGGCTAACTTCGTGCCGGCAGCCGCGGTAATACGAAGGGTGCAAGCGTTGTTCGGATTTACTGGGCGTAAAGGGCATGTAGGCAGTTAGATCAGTTAGGGGTGAAATCCCGGGGCTTAACCTCGGAATTGCCTTTAAGACGGTCTTGACTAGAGAGCTAGAGGGGATAATGGAATACCCAGTGTAGAGGTGGAATTCGTAGATATTGGGTAGAACACCAGTGGCGAAAGCGGTTATCTGGCTAGCAACTGACGCTGAGATGCGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA
>OTU9775;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Peptococcaceae_2(0.0355),g:Desulfotomaculum(0.0087);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTATCCTAAGGGACGAAGGAAGTGACGGTACCTTAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGTGTAGGCGGCAGTATAAGTCCGGAGTGAAAGTCCTGCTTTCAAGGTGGGAATTGCTTTGGAGACTGTACAGCTTGAGTGCGGAAGAGGTAAGTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGTGATTGTTAGGAACACCAGTGGCGAAGCCGGCTCTCTGCTCCTTCCCTGCCGCTGAGTCTCGCAATCTTCGGGAGCCAACAGGATTAGATACCCTGGTA

>OTU9776;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Clostridiaceae_1(0.5273),g:Clostridium_sensu_stricto(0.3479);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGAAACCCTGGTTGAGCCACCCCCCGTGAGTGATGCAGGCTTTCGTGTCGTAAAGCTCCGACCTTGGGGCAGTTGATGAAGGTTCCCAAGGAGGAAACCCCCGCTAACCACGGGCCAGCAGCCGCGGTAATACGTTGGTGGCGAGCGGTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAAGTGGGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCATTCCAAACTGATTATCTAGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9778;tax=d:Bacteria(0.0058),p:"Acidobacteria"(0.0000),c:Acidobacteria_Gp6(0.0000),g:Gp6(0.0000);
GCAAGGCAGCCCAGATGGGAACGGTCATGCGGCATCCGCTCGGCGCCCGTTTGAATATTCGACATCATTTATCCTCAAGTAAGGGGCCGAAGCCCCTGCAATTAAAATTGTTGACCACCTACATACCAAAGACGAGCGCCTTTACGCTTGCCTTTAGTACCTCGCAACGGCTGCGGACGACCAGGGCGAGCGCCAGAACGTTTTTTACCTTTAGACATTACATCACTCCTTCTGCACGTAATTTTTGACGCACGGGTTCTTCTGCGTCAGTAAGAACGGCAGTGTTTCCTGCGCGTACACGCAAGGTAAACGCGAACAATTCAGCG
>OTU9777;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Ruminococcaceae(0.1679),g:Oscillibacter(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGTAAACTTCTATTGTCAGGGACGAGAAGAAGACGGTACCTGACGAAAAAGCCACGGCTAACTACGTGCCAACCGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGTCGGCAAGTCAGATGTGAAATCCACGGGCTTAACTCGTGAACTGCATTTGAAACTGTTGATCTTGAGTGTAGGAGAGGCAAGCGGAATTCTTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGGCTTTCTGGACGACAACTGACGGTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9779;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9740),o:"Bacteroidales"(0.9172),f:"Prevotellaceae"(0.7787),g:Prevotella(0.3043);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGGCACGTGTGGCATATTGCAGGTACCCGATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGTCTTTTAAGCGTGTGGTGAAATGTCGCGGCTCAACGTGTGCACTGCAGCGCGAACTGTGAGACTTGAGTGCGTACGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACCCCGATTGCGAAGGCAGCCTGCTATAGCGCAACTGACGCTGAAGCTCGAAAGCGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU9780;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.6881),f:"Prevotellaceae"(0.4563),g:Prevotella(0.0519);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGC
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AGCGTAGGCCGTCTGTTAAGAGTGTTGTGAAATGTCCGGGCTCAACCTGGGTATTGCAGAGCGAACTGGAAGACTTG
AGTGCGCAGGAAGTGGACGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATTACGAAGAACACCCATTGCGAAG
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039),f:"Porphyromonadaceae"(0.0904),g:Barnesiella(0.0110);
AAGGAAGGAAGAAGGGAGGAAGAGGGGAAAAGGGGAGAAGGAGTGAAGGAGCCAAGTCGCGTGAGGGAGGAC
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>OTU9781;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Rumin
ococcaceae(0.0252),g:Saccharofermentans(0.0076);
CCTTTCTTCCTCCTTTTTTCCTCTTTTTCCCTTTTCTCCCTCCTTCCCCCTCCACTCCTCGTGAATTAAGAAGGTCTTCGGA
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GATGTGAAATCTATGGGCTTAACCCATAAACTGCATTTGAAACTGTATCTCTTGAGTGTCGGAGAGGTAGACGGAATT
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>OTU9783;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9168),c:"Bacteroidia"(0.6346),o:"Bacteroidales"(0.3
639),f:Bacteroidaceae(0.0710),g:Bacteroides(0.0157);
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ospiraceae(0.4914),g:Blautia(0.2171);

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ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGGGCAACCCTGATGCAGCGACGCCGCGTGAGGGAAGAAGTA
TCTCGGTATGTAAACCTCTATCAGCAGGGAAGACAGTGACGGTACCTGACTAAGAAGCTCCGGCTGAATACGTGCCA
GCAGCAGCGGTAATACGTATGGAGCAAGCGTTATCCGGATTTACTGGGTGGAAAGGGAGTGGAGGTGGTATTACAA
GCCAGATGTGAAAGCTCGGGGCTCAACCCCGGGACTGCTTTTGAAACTGTGGTACTGGAGTGAAGGAGAGGTAAGT
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTA
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CAGGCCGTGGGTTAAGCGTGTAGTGAAATTCCGTCGCTCAACGGCGGACGTGCGGCGCGAACTGGTCCACTTGAGT
ACGCGGGACGTTGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCAAGAAGAACTCCGAATGCGAAGGCA
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GAACCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATCACTGGGCGTA
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ACTTGAGTCCGGGAGAGGTTGGCGGAATTCCAGGTGTAGGAGTGAAATCCGTAGATATTTGTAGGAATACCGATGG
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359),f:"Porphyromonadaceae"(0.0904),g:Coprobacter(0.0134);
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acterales(0.2999),f:Campylobacteraceae(0.1485),g:Campylobacter(0.0326);
ACGGAAGGCAGCAGTGAGGAAGATTGGGCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGAAGACGGC
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ococcaceae(0.0252),g:Saccharofermentans(0.0046);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGC
CCTACGGGTCGTAAACTTCTTTTAAGAGGGAATAGCAGAAGACTGTACCTCTAGAATAAGCCACGGCTAACTACGTG
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GCAAGGCAGATGTGAAATCCATGGGCTTAACCCCTGCACTGCATCTGAAACTGTATTTCTTGAGTACTGGAGAGGCA
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934),f:"Prevotellaceae"(0.9876),g:Prevotella(0.9705);

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766),f:"Prevotellaceae"(0.3204),g:Prevotella(0.0326);
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ales(0.8412),f:Sutterellaceae(0.5991),g:Sutterella(0.4351);
ACGGGAGGCAGCAGTGGGGAATTTTGGACAATGGGGGCAAGCCTGATCCAGCCATGCCGCGTGCAGGATGAAGGT
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9940),f:"Fusobacteriaceae"(0.9201),g:Fusobacterium(0.1299);
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ales"(0.0781),f:Sphingobacteriaceae(0.0252),g:Olivibacter(0.0066);

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766),f:"Prevotellaceae"(0.1872),g:Prevotella(0.0519);
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);
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606),f:"Prevotellaceae"(0.8864),g:Prevotella(0.5720);
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GTGCGCAGGAGGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGG
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063),f:"Prevotellaceae"(0.7787),g:Prevotella(0.4787);
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719),f:"Rikenellaceae"(0.0710),g:Alistipes(0.0157);
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00),f:Haloferacaceae(0.0000),g:Halorubrum(0.0000);
CTTGCTGGTGGCGCCATGTCTAACTTGTTTGGCGGCGGTCCCCCCGCCGCCTCCGGTGGCATTCACGGTGATGTGCTT
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395),f:"Prevotellaceae"(0.3204),g:Prevotella(0.0423);
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ococcaceae(0.5991),g:Clostridium_IV(0.0615);
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015),f:"Porphyromonadaceae"(0.0252),g:Parabacteroides(0.0076);
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s(0.1249),f:Anaplasmataceae(0.0457),g:Ehrlichia(0.0110);
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ospiraceae(0.1291),g:Clostridium_XlVa(0.0230);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGATGC
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cillaceae(0.5991),g:Lactobacillus(0.2607);
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ACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAGTGG
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547),f:"Porphyromonadaceae"(0.0113),g:Barnesiella(0.0056);
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955),f:"Prevotellaceae"(0.6709),g:Prevotella(0.2171);
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303),f:"Prevotellaceae"(0.5273),g:Prevotella(0.0712);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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diaceae_1(0.0252),g:Clostridium_sensu_stricto(0.0076);
ACGGAAGGCAGCAGTCGGGAATATTGCACAATGGAGGGAACTCTGACGCAGTGACGCCGCGTGCATGAAGAAGGT
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ococcaceae(0.1291),g:Clostridium_III(0.0110);
CCTTTCTTCCTCCTTTTTTCCTCTTTTTCCCTTTTCTCCCGCCTGCCCCCTCCACGCCGCGTGAAGGAAGAAGGCTTTCGG
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ococcaceae(0.2524),g:Pseudoflavonifractor(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAATGCCGCGTGAAGGAAGAAGGC
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diaceae_1(0.0113),g:Clostridium_sensu_stricto(0.0056);
CCTTTCTTCCTCCTTTTTTCCTCTTTTTCCCTTTTCTCCCGCCGGCCCCCTCCACGCCGCGGGAGGGAAGAAGGCCTGCG
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cillaceae(0.4224),g:Lactobacillus(0.1299);
ACGGGAGGCAGCAGTAGGGAATCTTCGACAATGGGCGAAAGCCTGACGGAGCAACACCGCGTGAGTGAAGAAGGG
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ococcaceae(0.0099),g:Clostridium_III(0.0043);
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.0000),f:Ferrovaceae(0.0000),g:Ferrovum(0.0000);
AATTCAGCGCCTTCCATGATGAGCCCGGCCGTTTGAATGTTGACGGGCTGAACATACTACGCAATGACGGCAGCACT
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>OTU9816;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.3483),o:Clostridiales(0.1249),f:Eubac
teriaceae(0.0457),g:Alkalibacter(0.0110);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGTGAAGAAGAC
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>OTU9819;tax=d:Bacteria(1.0000),p:Firmicutes(0.3448),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Pepto
coccaceae_2(0.0252),g:Desulfotomaculum(0.0076);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGACTGACCCAGCAACGACGCGTGGGGGAAGAAGG
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>OTU9822;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8520),f:"Porphyromonadaceae"(0.4914),g:Parabacteroides(0.1735);
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>OTU9823;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachnospiraceae(0.2864),g:Clostridium_XlVa(0.0712);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGACGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGACAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCAAGACCAGTCTGAAGTGAAATGCGGTGGCTCCACCCCTGACCTGCTTTTGAAACTTTTTCGCTAGATTGCATGAGAGGTAAGTGGAATTCCTATTGTAGCGGTGAAATGCGTAGATATTAGGATGAACACCTTTTGCGAAGGCGTCTTACTGGACTGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9821;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Clostridiales_Incertae_Sedis_XIII(0.1291),g:Anaerovorax(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCCGATGCAGCAACGCCGCGTGAGCGAAGAAGGTCTTCGAATAGTACAGCTCTGTCCTTGGGGAAGATAATGACGGTACCCTTGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGTGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTGCGTAGGTGGTTAGCTAAGCAGGGGGTGAGAGGCAATGGCGCAACCATTGTTAGCCCACTGAACGGGGCTACTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAACGGTGAAAGGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGGGGCTTTCTTGACTGTTATCGAGACACAGGCACGAAAGTGTGGGGAGCAAAGAGGATTAGATACCCTGGTA
>OTU9824;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8755),o:"Bacteroidales"(0.7252),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0808);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTGAGGGATGCATCCCTTTTTGCAGGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGATGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCTGGAGATTAAGCGTGATGTGAAATGCCGCGGCTCAACCGGGGCACTGCAGCGCGAACTGGTTGCCTTGAGTGCACTGAAAGTGGGCGGAATTTGTAGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCAATTGCGAAGGCAGCTCACTGTATCGCGACTGACGCTGAGGCTCGAAAGTGCGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU9825;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachnospiraceae(0.4224),g:Clostridium_XlVa(0.1735);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCATCAGGGAAGAAGAAGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTTGATCAAGTCTGATGTGAAAGCCCGGGGCTCAACCTGGGAACTGCATCTGATACTGGCAAGCTTGAGTCTCGTAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9828;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9168),c:Sphingobacteriia(0.4045),o:"Sphingobacteriales"(0.1719),f:Sphingobacteriaceae(0.0710),g:Olivibacter(0.0110);
ACGGGAGGCAGCAGTAAGGGATATTGGTCAATGGGCGGGAGCCTGAACCAGCCATGCCGCGTGAGGGAATGAGGCCCTACGGGTCGTAAACCTCTTTTGCAGGGGGATAACGGGCGCCACGTGTGGCGCCGTGAAGGTACCCGGAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGGCGTCTAAGTCGGCAGTGAAAGTTCCCTGCTCAACCGGTGCACTGCCGATGGTACTGGTTGCCTTGAATGCGCTCAAGGCCGGCGGAATTTGGCGTGTAGCGGTGAAATGCATAGATATGCCACAGAACACCGATTGCGAAGGCAGCTGGCCGGGCCTGCATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU9826;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.3448),c:Epsilonproteobacteria(0.1740),o:Campylobacterales(0.0781),f:Helicobacteraceae(0.0252),g:Helicobacter(0.0076);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGACGGTTTTCGGATTGTAAACTTCTTTTCTTAGTGAAGAAGAAAGTGACGGTAGCTAAGGAATAAGCATCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGATGCGAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGACTGCAAGTCAGATGTGAAATCCATGGGCTCAACCCATGAACTGCATTTGAAACTATTAGTCTAGAGGGTGGGAGAGGTAAGTGGAATTCTTGGTGTAGGGGTAAAATCCGTAGATATCAAGAGGAATACTCATTGCGAAGGCGACCTAGTGGAACATTGATGACGCTCATGCACGAAAGCTTGGGGAGCCAAAAGGATTAGATACCCTGGTA
>OTU9829;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Ruminococcaceae(0.1485),g:Clostridium_IV(0.0134);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGATCCAGCAACGCCGCGTGAAGGAAGAAGGATTTCGGGTTGTAAAGTTCTTTTGTCAGGGACGAGAATGAGACTGTACCTGTCGAATACGCCACGTCTCACCACGTGCGCGCACCCGCGGTAATACGTGGGGGGCAAGCGATGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGTCGGCAAGTCAGATGTGAAATCCACGGGCTTAACTCGGGAACTGCATTTGAAACTGTTGATCTTGAGTATCGGAGAGGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGGTAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9827;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Ruminococcaceae(0.0149),g:Intestinimonas(0.0066);
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>OTU9831;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Erysipelotrichia(0.5579),o:Erysipelotrichales(0.2999),f:Erysipelotrichaceae(0.1485),g:Turicibacter(0.0326);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGCAGCAACACCGCGTGGTGGAAGACGGGTTTCGGCTCTTAAAACTTTTTTTTTGAAGAAAAACTTTCGTGGACGTAATTGTTCACTCAGTGACGTTTTTAAACCAGAACGTCACGGTTACCTACGTGCCACCAGCCGCGTTAGTACGTAGGTGGCAATCGTCATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGTGGTTGATTAAGTCTGATGTGAAAGCCCACGGCTTAACCGTGGAGGGTCATTGGAAACTGGTCGACTTGAGTGCAGAAGAGGGAAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGAGATATGGAGGAACACCAGTGGCGAAGGCGGCTTCCTGGTCTGTAACTGACACTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9830;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Ruminococcaceae(0.2864),g:Intestinimonas(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCCTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGGACGTGACGGTACCTTGTGAAAAAGCAACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGATGCAAGTTGGGAGTGAAATCCATGGACTCAAACCCTGAACTGCTCTCAGAACTGTATCCTCTGAGTATCGGGGAGGCAAGCGGAATTCCTAGTGTAGCGGGGAAATGCGTAGATATTAGGAGGAATACCAGTGGCGAAGGCGGCGTGCTGGGCGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9833;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Clostridiaceae_1(0.5273),g:Clostridium_sensu_stricto(0.2171);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTTTTAAGTGAGATGTGAAATAACCGGGCTTAACTTGGGTTGTGGATTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAAGGGAATTCCTATGGTTGCGGTGAAATGCGTAGAGATTAGGGAGAACACCGGTGGCGAAGGCGACTCTCCGGACTGGAACTGAAGCTGAGGGTCGAAAACGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9832;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Ruminococcaceae(0.0560),g:Ruminococcus(0.0134);
ACGGGAGGCAGCAGTGGGGGATATTGCGCGATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGTCTTCGGATTGTAAAGTTCTTTTATTAAGGACGAAGAAGTGACGGTACTTAATGAATAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGGACTGCAAGTTGGATGTGAAATGCCGCAGCTTAACTGCGGAGCTGCATCCAAAACTGTAGTTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCATCTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU9835;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8448),c:Sphingobacteriia(0.3483),o:"Sphingobacteriales"(0.1483),f:Sphingobacteriaceae(0.0560),g:Parapedobacter(0.0087);
ACGGGAGGCAGGAGTAAGGGATATTGGTCAATGGGCGGGAGCCTGAACCAGCCATGCCGCGTGAGGGAATGAGGCCCTACGGGTCGTAAACCTCTTTTGCCGGGGGATAACGGGCGCGACGCGTGGCGCCGTGAAGGTACCCGGTGAATAAGAACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGGGGTTTAAGTCAGCTGTGAAAGTCCGCGGCTCAACGGGGGCAGTGCCGCTGGAACTGGTGGCCTTGAGTGCGGTCGAGGCAGGCGGAATGTGGCGTGTAGCGGTGAAATGCATAGATATGCCACAGAACACCGATAGCGAAGGCAGCTGGCCGGGCCTGCATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU9834;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Peptostreptococcaceae(0.3544),g:Clostridium_XI(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGTGTAGGCGGCAGTACAAGTCAGGAGTGAAAACTTGGGGCTCAACCCCAAGACTGCTTTTGAAACTGTACAGCTAGAGTGTAGGAAGGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9836;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8897),o:"Bacteroidales"(0.7623),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0712);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCCGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGGCTAAAGTGAGGGATGCATCCCTTTTTGCAGGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCCGCCGCGGTAATACGGAATGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCTGGAGATTAAGCGCGTTGTGAAAGGCCGCGGCTCAACCGTGGCACTGCAGCGCGAACTGGTTTCCTGGAGTGCGCTGAGAGTGGGCGGAATTCGTGGTGTAGCGGTGGAATGCTTAGATATCACGAAGAACACCGATTGCGAAGGCAGGTCACTGTATCGCGACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU9838;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Rumin
ococcaceae(0.1679),g:Clostridium_IV(0.0134);
AGGGAAGGGAGAAGGGGGGAAGAGGGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAG
GTCTTCGGAGTGTAAACTGCTTTTATGAGGGACGAAGGACGTGACGGTACCTCAGGAATAAGCCACGGCTAACTACG
TGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGGA
TGCAAGTCAGATGTGAAATCTATGGGCTTAACCCATAAACTGCATTTGAAACTGTATCTCTTGAGTGCTGGAGAGGTA
TGTGGAATTCCTTGCGTAGCGGTGAAATGCGTAGATATAACGCAGAACACCAGTGGCGCACGCGCTCTACTCGACAG
TAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGCTTAGCTACCCTGGTA
>OTU9837;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Rumin
ococcaceae(0.1485),g:Intestinimonas(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGGAAACCTTGACCCAGCAACGCCGCGTGAAGGAAGAAG
GCCTTTGGGTTGTAAACTTCTTTTACCAGGGACGAAGGACGTGACGGTACCTGGAGAAAAAGCAACGGCTAACTACG
TGCCAGCAGCCGCGGTAATACGTAGGTTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGG
AGCAAGTCAGATGTGAAGTCCCGGGGCTTAACCCCGGAACTGCATTTGAAACTGTTCCCCTTGAGTATCGGAGAGGC
AAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTATGAGGAACACCAGTCGCGAAGGCAGATTGCCACAC
GACAACTGACGCTGAGGCTCGAGAGCGAGGGAAGCAAACAGGATTAGATACCCTGGTA
>OTU9839;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:"Bacteroidia"(0.5195),o:"Bacteroidales"(0.2
679),f:"Porphyromonadaceae"(0.1291),g:Parabacteroides(0.0230);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGAGAGGCTGAACCAGCCAAGTCGCGTGAAGGATGAAGGA
TCTATGGTTTGTAAACTTCTTTTATACGGGAATAAAGTGAGCCACGTGTGGTTTTTTGTATGTACCGTATGAATAAGCA
TCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTG
CGTAGGTGGTTTCTTAAGTCAGGAGTGAAAGGCTACGGCTCAACCGTAGTAAGCTCTTGAAACTGGATAACTTGAGT
GCAAGAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGC
GGCTGTCTAGCTTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU9840;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Lachn
ospiraceae(0.4563),g:Dorea(0.2171);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAAGGATGAAGTA
TTTCGGTATGTAAACTCCTATCAGAAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTATTGGGTGTAAAGGGAGCGTAGACGGCTTGGCAA
GCCAGATGTGAAAGCCCGGGGCTCAACCCCGGGACTGCAGTTGGAACTGTATGGCTAGAGTGTCGGAGAGGTAAGT
GGAATGCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCAGCTTGCTAGACGGTG
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>OTU9841;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Lachnospiraceae(0.2184),g:Blautia(0.0423);
ACGGAAGGCAGCAGCGGGGAATATTGGGCAATGGGGGAAACCCTGACCCTGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGGACGTGACGGTACCTGGAGAAAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAATAGCAAGTCTGAAGTGAAATCATAGGGCTCAACCCTGTAATTGCTTTGGAAACTGTTGATCTTGAGTACCGGAGGGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9842;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachnospiraceae(0.5273),g:Coprococcus(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGATGAAGGATTTCGGGTTGTAAAGCTCTATCATCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCACCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGGTGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGTAAGTGTGATGTGAAAGCCCGGGGCTCAACCCGGGGACTGCGTTTGAAACTAGGAAGCTAGAGTGTAGGAGAGGTGAGTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9843;tax=d:Bacteria(1.0000),p:Firmicutes(0.3448),c:Clostridia(0.1159),o:Clostridiales(0.0547),f:Peptococcaceae_2(0.0149),g:Desulfotomaculum(0.0066);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGGTTTCGGCTCGTAAACCTCTTTCCTATGGGACGAAAGAGAGGACGGGACCATAGGAGGAAGCCCCGGCTAACCACGTGCCAACTGCCGCGCAGATACGTCGGGGGCGAGCGTTGTGCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCCGTGAAGTCTGGAGTGAAAGTCCTGCGTTCAAGGTGGGAATTGCTGTGGATACTGATGGGCTGGAGTGCAGGAGAGGAAAGCGGAATTACCGGTGTAGCGGTGAAATGCGTAGAGATCGGTAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGAAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9846;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Clostridiaceae_1(0.0710),g:Clostridium_sensu_stricto(0.0157);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAAGTGGGATGTGAAATACCCGGGCCAAACTTGGTTGCTGCATTCCAAACTGGTTATCAAGGTGGCAGGAGAGGAGGGTGGAATTCCTAGGGTGGCGGTGAAATGCGTGGAAATTAGGAAGACCACCGGTGGCGAAGGCGCCTCTCTAGACTGAACCTGACGCTGGGGCTCAAAACCGTGGGAAGCAAACAGATTAGATACCCTGGTA

>OTU9845;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Clostridiaceae_1(0.1291),g:Anaerosporobacter(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGGGAAACCCTGATGCAGCGATGCCGCGTGAGTGAAGAAGTACTTTGGTTTGTAAAGCTCTATCAGCAGGGAAGATAATGACGGTACTCGCCTAAGAAGTCCTGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGACGGCAAGACAAGTCAGAAGTGAAATGCGGAGGCTCAACCCCGGAACTGCTTTTAAAGCTGATTAGCTAGAGAGCGAAAGAGGACAGAGGAATTCCTAGTGTAGCGGTGAAATGCGTAAATATTAGGAGGAACACCAGTGGCGAAGGCGTCTTACTGGACTGAATCTGACGTTGAGGCTCGAAGGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9844;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Lachnospiraceae(0.1291),g:Clostridium_XlVb(0.0204);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGATGAAGGTTTTCGGATCGTAAACTTCTATCAATAGGGACGAAACAAATGACGGTACCTAAATAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGCGTAGGCGGTACTTTAAGTTGGATGTGAAATCCCCGGGCTTAACCTGGGGCCTGCATCCAATACTGGAGAACTAGAGTGCAGGAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU9847;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9887),o:"Bacteroidales"(0.9938),f:Bacteroidaceae(0.8505),g:Bacteroides(0.7643);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGTGTTTTAAACTTCTTTTATATGGGAATAAAGTTTTCTACGTGTGGAAGTTTGTATGTACCATATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATCCGGAGGTTCTGAGCGTTATCCGGATTTATTGGGTGTAAAGGGAGCGTAGGTGGACAGTTAAGTCAGTTGTGAAAGTCTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGCTGGCTTGAGTACAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACACCGATGGCGAAGGCAGCTCACTGGACTGCAACTGACACTGAGGCTCGATAGTGTGGGTATCAAGCAGGATTAGATACCCTGGTA
>OTU9849;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lachnospiraceae(0.2184),g:Marvinbryantia(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGATGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATTAGCCGGGAAGAAAATGACGGTACCTGACCAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGAAACACGTAGGGGACAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTTTGCAAGTCTGACGTGAAAATCCGGGGCTCAACCCCGGAACTGCGTTGGATACTGTGGGGCTTGAGTGCCGGTGAGGTAAGCGGAATTACTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTACTGGACGGCAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU9848;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:"Bacteroidia"(0.2321),o:"Bacteroidales"(0.1015),f:"Porphyromonadaceae"(0.0355),g:Barnesiella(0.0087);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGAGCGTAAACTCCTTTTCTTAGGGAAGAATTCTGACGGTACCTAAGGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGCTTCGCAAGTCAGCGGTGAAAGGCCCGGGCTCAACCCGGAAAGTGCCGTTGATACTGTGAGGCTGGAATGCGGATGCTGTGGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCACTCAGAACACCGATTGCGAAGGCATCTCACAAATCCGCTATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU9850;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8628),c:"Bacteroidia"(0.6346),o:"Bacteroidales"(0.3639),f:"Prevotellaceae"(0.0710),g:Prevotella(0.0157);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAGGGAATAAATGTGGGTACGCGTACCCGTTTGCATGTACCTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGAATGCAAGTCAGATGTGAAATCCAAGGGCTCAACCCTTGAACTGCATTTGAAACTGTATTTCTTGAGTGTCGGAGAGGTTGACGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGATAACTGACACTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTG

>OTU9852;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:Flavobacteriia(0.4045),o:"Flavobacteriales"(0.1719),f:Flavobacteriaceae(0.0710),g:Capnocytophaga(0.0157);

ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGTCGGAAGACTGATCCAGCCATGCCGCGTGCAGGAAGACGGTCCTATGGATTGTAAACTGCTTTTGTACGGGAGCAATAAGGGCTACGAGTAGTCCGATGAGAGTACCGTACGAATCAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATGCGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGCTTGACAAGTCAGCGGTGAAATGCAAGGGCCTAACCCTTGACGTGCCGTTGAAACTGCCGGGCTAGAATGCGGATGCTGTGGGAGGAATGTGTAGTGTAGCGGTGAAATGCATAGATATTACACAGAACACCGATTGCGAAGGCATCTCACAAATCCGCTATTGACGCTGAGGCACGAAAGTGCGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU9851;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Lachnospiraceae(0.1872),g:Clostridium_XlVa(0.0519);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGTTTGTAAACTTCTTTTAAGAGGGAAGAGCAGAAGACGGTACCTCTAGAATAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAATCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTAAAGCAAGTCTGAAGTGAAAGCCCGCGGCTCAACTGCGGGACTGCTTTGGAAACTGTTTAACTGGAGTGTCGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGATAACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGGTACCCTGGTA

>OTU9853;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.7547),c:Actinobacteria(0.4428),o:Actinomycetales(0.2039),f:Actinomycetaceae(0.0904),g:Actinomyces(0.0181);

ATGGAAGGCAGCAGCTAAGAATCTTCCACAATGGACGAAAGTCTGATGGAGCGACGCCGCGTGAACGATGAAGGCCGTAAGGTTGTAAAGTTCTTTTTGGAAGGAAGAATAAGCTTGGCAGGGAATGGCCGAGTGAGGACGTGAATTCCAGAATAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAACACGTAGGGGGCGAGCGTTGTTCGGAATTATTGGGCGTAAAGGGCTTGTAGGCGGTTGGTTGCGTCTGCCGTGAAATCCGCTGGCTTAACTGGGGGCGTGCGGTGGGTACGGGCTGGCTTGAGTGCGGTAGGGGAGACTGGAATTCCTGGTGTAGCGGTGAAATACGTAGAGATCTGGAGGAATACCGGTGGCGAAGGCGGCCCCCTGGACGAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9855;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.6138),f:"Prevotellaceae"(0.1679),g:Prevotella(0.0423);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGCCCTATGGGTTGTAAACTGCGTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTTTGATAAGTTAGAGGTGAAATACCGGTGCTTAACACCGGAACTGCCTCTAATACTGTTGAGCTAGAGAGTAGTTGCGGTAGGCGGAATGTATGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCTATTGCGAAGGCAGCTTGCTGGAGTGTAACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU9854;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Lachnospiraceae(0.4914),g:Clostridium_XlVa(0.3043);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAATGAAGAAGTCTTTCTGTATTTAAAACTCTATCAGCAGGGAAGAAAATTACGGTACCTGACTAAGATGCCCCGGCTAACTACGTGCCAGCAGCCGCGGCAATGCGTAGGGGGCAGGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGAAGCAAGTCAGAAGTGAAAACCCAGGGCTCAACCGTAGGAGTGCATTGGAAACTGGTTTGCTAGAGTGTAGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9856;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9867),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.7995),f:"Porphyromonadaceae"(0.4224),g:Parabacteroides(0.2171);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCATTTATATGGGAATAAAGTTTTCCACGTGTGGAATCTTGTATGTACCATATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGAAGGATCCGAGCGTTATCCGGATTTACTGGGCGTAAAGCGCGTCTAGGCGGTTTGGTAAGTCTGATGTGAAAGTCTGTGGCTCAACCATAGAATTGCCGTTGAAACTGGGGGGCTTGAGTATGTTTGAGGCAGGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACCCCGATTGCGAAGGCAGCCTGCCAAGCCATTACTGACGCTGATGCGCGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU9857;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Lachnospiraceae(0.0904),g:Hespellia(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCCACGCCGCGTGAGTGATGAAGGTTTTCGGATCTTAAAGCTCTTTTTTTGGGGAAGATGATTATGGTACCCATGGAGTATGCCACGGCTAACTACGTTCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTTCTGGGTGTAAAGGGAGCGTAGACGGCGATGTAAGTCTGGAGTGAAAGCCCAGGGCTTAACCAATGAAATGCATTTGAAACTGTGGAGCTTGAGTGTCGGAGGGGCAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGATGACTGACGGTGAGGCGCGAAAGGGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9858;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.9606),f:Bacteroidaceae(0.8505),g:Bacteroides(0.7643);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTATGTATACTGTTTTGTATGTATTATATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGAGTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGGTAAGTGAGTTGTGGAAGTTGTCGGGTCAACCGTAAAATTGCAGTGTATGCAGGCGGTCTTAAGTACAATGGAGATGGGCGGAATTAGTAGTGGAGCTGTGAAATGCTTAGATGTCGCGAAGAACTCCGATTGCGAAGGCAGCTCACTGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAAAAGGATTAGGTACCCTGGTG
>OTU9859;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Lachnospiraceae(0.3884),g:Clostridium_XlVa(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTATTTCGGTATGTAAACTTCTGTCAGCGGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACTTGCCAGCAGCCGCCGCAATACTTAGGAGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCAGTGCAAGTCTGAAGTGAAAGCCCGGGGCTCAACCACGGGACTGCATTGGAAACTGTGCAGCTAGAGTGTCGGAGAGGCAAGCGGGATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGATGACTGACGTTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9861;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Ruminococcaceae(0.2524),g:Papillibacter(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGAAAGTGACGGTATTTGGAGAAAAAGCCACGGTTAATTACGTGCAGGCAGCCGCGGTAAAACGTAGGTGGCAAGGGTAGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGTTTCAAGTCAGAAGTGAAATCTCAGGGCTTAACCCTGAAACTGCATTTGAAACTGAAGCTCTTGAGTATCGGAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCCGGTA

>OTU9860;tax=d:Bacteria(0.9450),p:Firmicutes(0.1707),c:Bacilli(0.0525),o:Lactobacillales(0.0352),f:Lactobacillaceae(0.0086),g:Lactobacillus(0.0043);
ACGGGAGGCAGCAGCTACGAATATTACGCAATGGAGGAAACTCTGACGGAGCGACGCCGCGTGGATGATGAAGGTCGGAAGATTGTAAAATCCTTTTATGACTGAGGAATAAGCTGGGTGAGAGAAACGCCTGGTGGTGACTGTAGGTCATGAATAAGCAACGGCTAATTACGTGCCAGCAGCCGCGGTAACACGTAAGTTGCGAGCGTTCTTCGGAATTATTGTGCGTACAGGGCATGTCTGCGGAATTATGGGGCGTAAAGGGCATGTAGGCAGTATTGCAAGCCTGGTGTGAAAGGCAAGGGCTTAACACGTAAACTGCATTTGAAACTGTTGATCTTGAGTATCGGAAAGGCAATCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTATGATGAACACCAGTGGCGAAGGCGGCTTGCTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9862;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Clostridiaceae_1(0.0904),g:Clostridium_sensu_stricto(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGCCTTCGGGTTGTAAACCTCTTTCCTTAGTGACGAAGGAAGTGCCGGTAGCTAAGGAGGAAGCCCCGCCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGCGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGTGCGTAGGAGGTACTGTAAGTTGGATGTGAAATCGCCGGGGTTAACCTGGGGCCTGCATCCAATACTGGAGAACTAGAGTGCAGGAGAGGGAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA
>OTU9865;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Lachnospiraceae(0.2184),g:Lachnospiracea_incertae_sedis(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAATCACCAGCTAAATACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGACGGGAAGGCAAGTCAGATGTGAAAACCACGGGCTCAACCTGTGGCCTGCATTTGAAACTGTTTTGCTTGAGTGAAGTAGAGGCAGGCGGAATTCCCTGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGGGAAGGCGGCCTGCTGGGCTTTAACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU9866;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9726),o:"Bacteroidales"(0.8955),f:"Prevotellaceae"(0.3204),g:Prevotella(0.0904);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTGCTTTTATAAGGGAATAAATTTGCGTACGCGTACCCGTTTGCATGTACCTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGTCGCTTAAGTCAGCTGTGAAAGGTTGGGGCTCAACCGGAAAAGTGCAGCAGATACTGGGTGACTTGAGTGCAGTATAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCTATTGCGAAGGCAGCTTGCTAGAGTGTAACTGACGCTGATGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU9863;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Ruminococcaceae(0.1291),g:Clostridium_III(0.0204);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGGACGTGACGGTACCTGGAGAAAAAGCAACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCACCGCAAGTCAGTTGTGAAACCCATGGGCTCAACCCATGGCTTGCAATTGAAACTGCGGAGCTGGAGTACAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGACATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9864;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.8628),c:Gammaproteobacteria(0.6730),o:"Enterobacteriales"(0.3319),f:Enterobacteriaceae(0.1679),g:Escherichia/Shigella(0.0230);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGCCTTCGGGTTGCAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTGCTCATTGACGTTACCCGCAGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAAGGATTGGGCGTAAAGGGCGCGTAGGCGGCCTGCTAAGTCTGGAGTGAAAGTCCTGCTTTAAAGGTGGGAATTGCTTTGGATACTGGTAGGCTGGAGTGCAGGAGAGGAAAGCGGAATTACCGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGATCTGCTGGACAGCAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9870;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9769),o:Clostridiales(0.9606),f:Lachnospiraceae(0.7428),g:Blautia(0.4787);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTATCTCGGTATGTAAACTTCTATCAGCAGGGAAGATAGTGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGAGTGGCAAGTCTGATGTGAAAGGCATGGGCTCAACCTGGGGACTGCATTGGAAACTGTCATACTTGAGTGCGGGAGGGGTGAGCGGAATTCCTAGTGTAGCGGTGAGATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGCCGGTATCTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9867;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9604),o:"Bacteroidales"(0.8629),f:Bacteroidaceae(0.2524),g:Bacteroides(0.0712);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGCCGGAAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACGGCCCTATGGGTTGTAAACTTCTTTTATAAGGGAATAAATATGTGTACGTGTACACGTTTGCATGTACCTTATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGCTCTTAAGTGTGACGTGAAAGTTTGCGGCTCAACCGTTGAATTGCATTGCGAACTGGGTGTCTTGAGTGCAGTAGAGGCAAGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTTGCTGGTGTGTAACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU9868;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.7727),c:Gammaproteobacteria(0.4812),o:"Enterob
acteriales"(0.2359),f:Enterobacteriaceae(0.1098),g:Escherichia/Shigella(0.0204);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
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AGGCTTGAGTGCCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGT
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GTA
>OTU9871;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8755),o:"Bacteroidales"(0.7
252),f:Bacteroidaceae(0.2524),g:Bacteroides(0.0712);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGAAGACTGC
CCTATGGGTTGTAAACTTCTTTTATAAGGGAATAAAGTTCACCACGTGTGGTGTTTTGTATGTACCTTATGAATTAGGA
TCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
TGTAGGCGGCAGGTTAAGTCAGTAGTGAAAGTTTGCGGCTCAACCGGAACAGTGCAATTGATACTGGCGTGCTTGAG
TGCGGGAGAGGAAGGCGGAATTTGTGGTGTAGCGGTGAAATGCTCAGATATCACGAAGAGCTCCGATTGCGAAGGC
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>OTU9869;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.8267),c:Deltaproteobacteria(0.5963),o:Desulfovibr
ionales(0.3319),f:Desulfovibrionaceae(0.1679),g:Bilophila(0.0423);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
CCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGGATACCCGTTTGCATGTACTTTATGAATAAGG
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATCACTGGGCGTAAAGCG
CACGTAGGCGGCTTGGTAAGTCAGGGGTGAAATCCCACAGCCCAACTGTGGAACTGCCTTTGATACTGCCAGGCTTG
AGTACCGGAGAGGGTGGCGGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGGCGAA
GGCGGCCCCCTGGACGAAGACTGACGCTCAGGTGCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU9872;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Clostri
diaceae_1(0.4914),g:Clostridium_sensu_stricto(0.1299);
ACGGAAGGCAGCAGTGGGGAATCTTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGATGACGGC
CTTCGGTTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCCGGGGAGGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGTGGCAAGCCTTGTCCGGATTTACTGGGCGTAAAGGGCGCGTAGGCGGACTTGTAA
GTGCGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCATTGCAAACTGGACGGCTAGAGTGCAGGAGAGGAAAGT
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTC
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>OTU9873;tax=d:Bacteria(1.0000),p:"Deferribacteres"(0.9988),c:Deferribacteres(0.9784),o:Deferribacterales(0.9707),f:Deferribacteraceae(0.9573),g:Mucispirillum(0.9705);

ACGGAAGGCAGCAGTGGGGAATTTTGCGCAATGCTCGAGAGAGTGACGCAGCGACGCCGCGTGAATGACGAAGGCCTTCGGGTCGTAAAGTTCTTTCGACAGGGAAGAAAATATATATCAGTAACTGGGTATATAGTGACGGTACCTGTATAAGCAGCCCCGGCTAACTCCGTGCCAGCAGCCGCGGTCATACGGTGGGGGCGAGCGTTGTTCGGAGTGACTGGGCGTAAAGCGCACGTAGGCGGTGTTGTAAGTCATTAGTCAAAGGCTAGAGCTTAACTTTAGTAAGGCTAGTGATACTACAGTACTAGAGTATCAGAGAGGATTGCAGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATCAGGAGGAATACCGGTAGCGAAGGCGGCAATCTGGCTGGCAACTGACGCTGAGGTGCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU9874;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Lachnospiraceae(0.1485),g:Clostridium_XlVa(0.0204);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGACTGAAGAAGTCTTTCTGTATGTAAAGGTCTATTTGCAAGGAAAAAAATGACGGTACTTGACTCAGAATCCCCGGATAACTACGAGTCAGCAGCGGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGGGGTAAGGCAAGCCAGAAGTGAAAGCCCGGGGCTCAACCCCGAGGACTGCTTTGGGAACTGGCGAACTTGAGTGAAGGAGGGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCTTAGATATTACGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU9876;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.9606),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);

ACGGGAGGCAGCAGTGAGGAATATTGGTCGATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACGGCCCTATTGGTTGTAACCTTCTTTTATAAAGGAATAAAGTCGGGTATGGATACCCGTTTGCATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGTTAATACGGAGGATCCGAGCGTTACCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGATGTTTAAGTCATGTGTGAAAGTTTGCGGCTCAACCGTGAAATTGCAGTTGATACTGGATATCTTGAGTGCAGTTGAGGCAGGCGGAAGTCGTGGTGTAGCGGTGAAATGCTTAGAGATCACGAAGAACTCCGATTGCGAAGGCAGCATGATAAGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU9877;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lachnospiraceae(0.3884),g:Parasporobacterium(0.0808);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGACTGAAGAAGTATTTCGGTATGTAAAGGTCTATCAGCAAGGAAGAAAATGACGGTACTTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACATAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGTCGGCAAGTCAGATGTGAAATCCACGGGCTTAACTCGTGAACTGCATTTGAAACTGTTGATCTTGAGTATCGGAGAGGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9875;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Bacilli(0.8331),o:Lactobacillales(0.5766),f:Lactobacillaceae(0.3204),g:Lactobacillus(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCTCAATGGGGGCAACCCTGACGCAGCAAAGCCGCGTGAACGATGAAGGCCTTCGGATTGTAAAACTCTTTTATTAAGGACGAAGAAGCGACGGTACTTAATGAATAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGTTACTACGTAGCTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCCTAGGCTTAACCGAGGAACTGCGTCGGAAACTGTTTTTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACTCCAGTGGCGAAGGCGGCTCTCTGGTCTTCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU9878;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Lachnospiraceae(0.1098),g:Coprococcus(0.0181);
ACGGAAGGCAGCAGTAAGGGATATTGGTCAATGGGCGGGAGCCCGAACAAGCCATGCCGCGTGAGGGAATGAGGCCCTACGGGTCGTAAACCTCTTTTGCCGGGGGATAACGGGCGCCACGCGTGGCGCCGTGAAGGTACCCGGAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGTAAGTCTGAAGTGAAAGCCCGTGGCTCAACCCCGGGACTGCTTTGGAAACTATGCAGCTGGAGTATCGGAGAGGCAAGTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTGGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9879;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Lachnospiraceae(0.1872),g:Parasporobacterium(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGGAGCGACGCCGCGTGACTGAAGAAGTATTTCGGTATGTAAAGGTCTATCAGCAAGGAAGAAAATGACGGTACTTGACTAAGAAGCCCAGGCTAACTACGTGCCAGCAGCCGAGGTAATACGTAGGGGGCAAGCCTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGTGGTAAGGCAAGCCAGAAGTGAAAGCCCTGGGCTTAACCCCGATGACTGCTTTTGGAACTGTAGAACTAGAGTGCAGGAGGGGGAAGCGGACTTCCTAGGTTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGTA
>OTU9880;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Peptostreptococcaceae(0.0355),g:Clostridium_XI(0.0087);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTAATGCAGCGACGCCGCGTGAAGGATGAAGTATTTCGGTATGTAAACTTCTATCAGCAGGGAAGAAAATGACGGTACTTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATATGTAGGGGGCTAGCATTATCCGGAATTACTTGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGAGGTGAAAGGCTACGGCTCATCCGTAGTAAGCCTTTTAAACTGAGCAACTTGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTTAAATGCGTAAATATTAGGAGCAACACCAGTTGCGAAAGCGGCTCTCTGGTCTGTAACGGACACTGGGACACGAAAGCGTGGGGCGCCAACATGATTAGATACCCTGTTA

>OTU9881;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8448),c:"Bacteroidia"(0.2902),o:"Bacteroidales"(0.1249),f:"Porphyromonadaceae"(0.0355),g:Barnesiella(0.0087);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGAGGAAAGTCTGAACCAGCCATGCCGCGTGAAGGACTAAGGCCCTATGGGCTGTAAACTTCTTTAGACGCAGAGCAACAAGGGCCACGCGTGATCCGATGAGAGTAAGCAGAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCGGCTTTGCAAGTCAGCGGTGAAAGGCCCGGGCTCAACCCGGAAGGTGCCTCTGATACTGTGGGGCTGGAATGCGGGTGCTGTGTGCGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATTACTCAGAACACCGATTGCGAAGGCATCTCACAGAACCGTAATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU9882;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Lachnospiraceae(0.1485),g:Parasporobacterium(0.0204);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGACTTAAGAAGTCTTTCTGTATGTAAAGGTCTATCAGCAAGGAAGAAAATGACGGTACTTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCATCCGCGGTAATACGTAGGGGGCAAGCTTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGTGGTAAGGCAAGCCAGAAGTGAAAGACCGGGGCTCAACCCCGAGGACTGATTTTGGAAGTGTCGAACTAGAGTGCAGGAGGGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGAGTAGATATTAGGAGGAACAACAGTGGAGAAGGCGGCTTGCTGGAATGTAAATGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACACTGGTA
>OTU9884;tax=d:Bacteria(0.0041),p:"Spirochaetes"(0.0000),c:Spirochaetia(0.0000),o:Spirochaetales(0.0000),f:Spirochaetaceae(0.0000),g:Spirochaeta(0.0000);
AATTACTGCTAGCAGTCGGCGTGTGCCTCATTAGCCTTGCGACCCTCGGCAGCAAGAACCATACGACCAATATCACGCAAATAGTCACGCAAAGCATTGGGATTATCATAAAACGCCTCTAATCGGTCGTCAGCCAACGTGAGAGTGTCAAAAACGATAAACCAACCATCAGCATGAGCCTGTCGCATTGCATTCATCAAACGCTGAATAGCAAAGCCTCTACGCGATTTCATAGTGGAGGCCTCCAGCAATCGTGAACACGCAGCCTTAATACCTTTCTTTTTGGGGTAATGATACTCAGCGCGAATATCCGGAAGAGGGCGTGCAGCAGCCAGC
>OTU9887;tax=d:Archaea(0.0024),p:"Euryarchaeota"(0.0000),c:"Methanomicrobia"(0.0000),o:Methanomicrobiales(0.0000),f:Methanomicrobiaceae(0.0000),g:Methanoculleus(0.0000);
GCTTAGGCGTTTAATCATGTTTCAGACTTTTATTTCTCGCCATAATTCAAACTTTTTTTCTGATACGCTGGTTCTCACTTCTGTTACTCCAGCTTCTTCGGCACCTGTTTTACAGACACCTAAAGCTACATCGTCAACGTTATATTTTGATAGTTTGACGGTTAATGCTGGTAATGGTGGTTTTCTTCATTGCATTCAGATGGATACATCTGTCAACGCCGCTAATCAGGTTGTTTCTGTTGGTGCTGATATTGCTGTTGAGGCCGACCCTAAATTTGTTGCCTGTTTGGGTCGCTGTGAGTCTTCGTCGGTTCCGACTACCCTCCCGACGGCCTAGGATGTTTATCCGGTGGATGGTCG
>OTU9886;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Lachnospiraceae(0.1485),g:Clostridium_XlVa(0.0204);

ACGGGAGGCAGCAGTGAGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCAGCGTGCCTGAAGAAGTC
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>OTU9883;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9791),o:"Bacteroidales"(0.9730),f:Bacteroidaceae(0.9201),g:Bacteroides(0.9566);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGC
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>OTU9885;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Ruminococcaceae(0.5632),g:Ruminococcus(0.2171);
AAGGGAGGAAGAAGGGGGGGAGAGGGGGAAAGGGGGGAAAGAAGGACGAAGGAACGCTGGGTGAACGATGAA
GGTCTTCGGATTGTAAAGTTCTTTTATTAAGGAAGAAGAAGTGACGGTACTTAATGAATAAGCTCCGGCTAACTACGT
GCCAGCAGCCGCGGAAATACGTAGGGAGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCAG
AGCAAGTCAGATGTGAAATCCGTGGGCTTAACCCACGAACTGCATTTGAAACTGTTTTGCTTGAGTGAAGTAGAGGC
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>OTU9889;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.9606),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);
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497),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);
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039),f:Bacteroidaceae(0.0560),g:Bacteroides(0.0134);
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547),f:"Rikenellaceae"(0.0149),g:Rikenella(0.0066);
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473),f:Marinilabiliaceae(0.0113),g:Alkalitalea(0.0056);

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phomonadaceae(0.0000),g:Syntrophomonas(0.0000);
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497),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);
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ococcaceae(0.2184),g:Intestinimonas(0.0326);
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ospiraceae(0.1872),g:Clostridium_XlVa(0.0326);
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0.0000),f:Streptosporangiaceae(0.0000),g:Nonomuraea(0.0000);
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319),f:"Porphyromonadaceae"(0.1679),g:Barnesiella(0.0423);
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diaceae_1(0.3544),g:Clostridium_sensu_stricto(0.1299);
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063),f:"Prevotellaceae"(0.8146),g:Prevotella(0.3479);
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>OTU9916;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Ruminococcaceae(0.3544),g:Intestinimonas(0.0519);
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diaceae_1(0.5991),g:Clostridium_sensu_stricto(0.4351);
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lales(0.0352),f:Acetobacteraceae(0.0086),g:Gluconacetobacter(0.0043);
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ococcaceae(0.3884),g:Ruminococcus(0.1299);

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629),f:"Prevotellaceae"(0.5991),g:Prevotella(0.3479);
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9),f:Spirochaetaceae(0.0710),g:Spirochaeta(0.0066);
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9),f:Spirochaetaceae(0.1679),g:Treponema(0.0134);
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ospiraceae(0.1679),g:Lachnospiracea_incertae_sedis(0.0326);
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170),f:"Rikenellaceae"(0.0046),g:Rikenella(0.0032);
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cillaceae(0.2524),g:Lactobacillus(0.0712);
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diaceae_1(0.3884),g:Clostridium_sensu_stricto(0.1299);
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ionales(0.2039),f:Desulfovibrionaceae(0.0904),g:Desulfovibrio(0.0181);
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ospiraceae(0.3544),g:Clostridium_XlVa(0.0808);
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teriaceae(0.0710),g:Eubacterium(0.0157);
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039),f:Marinilabiliaceae(0.0710),g:Mangroviflexus(0.0157);
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ospiraceae(0.4224),g:Dorea(0.2171);
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ococcaceae(0.4224),g:Ruminococcus(0.1299);
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diaceae_1(0.3204),g:Clostridium_sensu_stricto(0.0904);
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diaceae_1(0.1291),g:Clostridium_sensu_stricto(0.0230);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATGCCGCGTGAAGGACTAAGGCC
CTATTGGCTGTAAACTTCTTTAGACGCAGAGCAATAAGGGCCACGTGTGGTCCGATGAGAGTATGCGTAGAATAAGC
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTCATCCGGATTTACTGGGCGTAAAGGG
AGCGTAGGCGGATGATTAAGTGGGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCATTCCAAACTGGTTATCTAG
AGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGGCGAA
GGCGGCCCCCTGGACGAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9971;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9474),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.3
959),f:"Porphyromonadaceae"(0.1872),g:Butyricimonas(0.0423);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGGACCAGCCAAGTCGCGTGAGGGAAGAATGG
TCTATGGCCTGTAAACCTCTTTTGTCAGGGAAGAATAAGGATGACGAGTCATTCGATGCCAGTACTTGACGAATAAGC
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGT
GCGTAGGCTGTGCGGTAAGTCAGAGGTGAAAGGTCCGCGCCCAACGCGGGAACTGCCTTTGATACTGTCGTGCTGG
AGTGCGGATGCCGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACTCAGAACACCGATTGCGAAG
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>OTU9970;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Lachnospiraceae(0.7428),g:Roseburia(0.4351);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGTGACGGTACTTAATGAATAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTATGGTGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGAAGGCTAAGTCTGATGTGAAAGCCCGGGGCTCAACCCCGGTACTGCATTGGAAACTGGTCATCTAGAGTGTCGGAGGGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9972;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9348),c:Sphingobacteriia(0.4812),o:"Sphingobacteriales"(0.2359),f:Sphingobacteriaceae(0.1098),g:Parapedobacter(0.0134);
ACGGGAGGCAGCAGTAAGGGATATTGGTCAATGGGCGGGAGCCTGAACCAGCCATGCCGCGTGAGGGATTGAGGCCCTACGGGTCGTAAACCTCTTTTGCCGGGGGATAACGGGCGCCACGTGTGGCGCCGTGAAGGTACCCGGAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGGCGTCTAAGTCAGGGGTGAAAGTTAGCGGCTCAACCGGGTAAGTGCAGATGATACTGGGGGGCTTGAATGCGGTAGAGGCGGGCGGAATGTGGCGTGTAGAGGTGAAATGCATAGATATGACAAAGAACACCGATAGCGAAGGCAGCTGGCGGGGCCTGAATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU9974;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Lachnospiraceae(0.1679),g:Blautia(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTCTTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAATCCCCGGCTAACTACGTGCCAGCACCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGACGGCGTATCAAGTCTGATGTGAAAGGCAGGGGCGCAACCGGTGGATTGCATTGGAAACTGGTATGCTCGAGTGCCGGAGGGGTAAGCGGAATTCGCAGTGTAGCGGTGAAATGCGTAGAGATTGGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACCGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCGAACAGGATTTGATACCCTGGTA
>OTU9973;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Eubacteriaceae(0.2524),g:Eubacterium(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGAGGTGAAAGGCTACGGCTCAACCGTAGTCAGCCTTTTAAACTGGTAAGCTTGAGTGCAGGTTAGGAAAGTGTAATTCCTAGTGTAGCTGTGAAATGCTTAGATATTAGGAGGTACACCAGTAGCTAAGGCGGCTTTCTGGACTGTATCTGACACCGAGGCACGAAGGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9975;tax=d:Bacteria(0.9073),p:"Bacteroidetes"(0.1508),c:"Bacteroidia"(0.0425),o:"Bacteroidales"(0.0291),f:"Prevotellaceae"(0.0073),g:Prevotella(0.0039);

ACGGAAGGCAGCAGTGCGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATGCCGCGTGAAGGACTAAGGCCCTATGGGCTGTAAACTTCTTTAGACGCAGAGCAATAAGGGCCACGCGTGGTCCGATGAGAGTATGCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGAGCGCAGGCCGTGGGTTAAGCGTGTCGTGAAATTCCGTCGCTCAACGGCGGACGTGCGGCGCGAACTGGTCCACTTGAGTACGCGGGACGTTGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGAGATCGGTAGGAACACCAATGGCGAAGGCGGCTTTCTGGACTGAAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9976;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.9280),f:"Prevotellaceae"(0.7787),g:Prevotella(0.4351);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCTTATGGGTTGTAAACTGCTTTTATAGGGGGTTAAAGTGTGGCACGTGTGGCATATTGCAGGTACCCTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGCTTTATAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGCAGTGCAGCGCGAACTGTGAGCCTTGAGTGCGGAGGAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCCATTGCGAAGGCAGCCTACTGTACCGTTACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU9977;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.6138),f:"Prevotellaceae"(0.2524),g:Alloprevotella(0.0519);

ACGGGAGGAAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGACCTCCGGGTTGTAAACTGCTTTTAGTTGGGAATAAAAAAGATGACGTGTCATCGATTGTATGTACCATCAGAAAAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCAGGCGTTATCCGGATTTATTGGGGTTAAAGGGAGCGTAGGCGGAGAGATAAGTCTGCACTAAAATCTTGCGGCTCAACCGTACCTCGCCGTTGCTACTGTTTTTCTTGAGTGCACACAGGGATGCTGGATTTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAATAACTCCTATCGCGAAGGCAGGTGTCCGGGGTGCAACTGACGCTGAGACTCGAAAGTGCGGGTGTCAAACAGGATTAGATACCCTGGTA

>OTU9980;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Bacilli(0.9038),o:Lactobacillales(0.6881),f:Lactobacillaceae(0.4563),g:Lactobacillus(0.1735);

ACGGGAGGCAGCAGTGAGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGAGCGTTAAGCTCCGTTGGTGGTGGAGAAGGATAGAGGAAGTAACTGGCCTTTATTGGACGGTAATCAACAAGATCGTCAAGGCTAACTACGTGACAGCAGCCGCGGTAATACGTAGAAGGCTAACGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTAAGGTGAAAGCCCTCGGCTTAACCGAGGAACTGCATCGGGAACTGTTTTTCTGGAGTGCAGAAGAGGAGGGTGGAACGTCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCGATTGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCACGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU9979;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:"Bacteroidia"(0.1159),o:"Bacteroidales"(0.0547),f:Prolixibacteraceae(0.0149),g:Prolixibacter(0.0066);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGATGGAGGCCCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACCCGGCGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGTGGGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCGGTGCGTCAAGTCGGGTGTGAAGTTCCGGGGCTCAACGCGAGGGCTGCACTTGATACTGGAGGGCTGGAGTGCGGATGAGGACGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACGCAGAACACCGATTGCGAAGGCATCTGGCGAATCCGTAACTGACGCTGAGGCTCGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA

>OTU9978;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Ruminococcaceae(0.3204),g:Ruminococcus(0.0519);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCGACGCCGCGTGTGGGAAGACGGCCCTCGGGTTGTAAACCACTGGCTTTGGGGACGATAATGACGGTACCCAAGGAGGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGCAGGCAAGTCAGGCGTGAAATATATCGGCTCAACCGGTATCTGCGCTTGAAACTGCAGGTCTTGAGTGAAGTAGAGGTTGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTACTGGGCCGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU9981;tax=d:Bacteria(1.0000),p:"Fibrobacteres"(0.9990),c:"Fibrobacteria"(0.9834),o:"Fibrobacterales"(0.9866),f:"Fibrobacteraceae"(0.9876),g:Fibrobacter(0.9875);

ACGGAAGGCAGCAGTAGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCCCGTGTGGGAAGAAGCATTTCGGTGTGTAAACCACTGTCGTGAGGGAATAAGGCCCTTATTCGTAAGGGATTGAATGTACCTCGAAAGGAAGCACCGGCAAACTTCGTGCCAGCAGCCGCGGTAATACGAGGGGTGCAAGCGTTGTTCGGAATTACTGGGCGTAAAGGGAGCGTAGGCGGAGATTCAAGCGGATTATACAATCCCGGGGCCCAACCCCGGACCTGCAGTCCGAACTGGATCTCTTGGATAGTTCAGGGGCAGGCGGAATTCCTGGTGTAGCGGTGGAATGCGTAGAGATCAGGAAGAACACCGATGGCGAAGGCAGCCTGCGGGGGACTTCATCGACGCTGAGGCTCGAAAGTGCGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU9982;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Clostridiales_Incertae_Sedis_XII(0.0355),g:Acidaminobacter(0.0087);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTCTTCGGATTGTAAACCTCTGTCCTATGTGACGAAGGAAGTGACGGTAGCATAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAACGGGTGCGTAGGTGGCACTTTAAGTTGGATGTGAAATCCCCGTGCTTAACATGGGAGCTGAATCAAATACTGGAGGGATAGAGTGCAGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGAGTAGATATTAGGAGGAAAAACGGTGGCGAAGGAGGATGACTGGAATGTAACTGAAAATGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9983;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Eubacteriaceae(0.3544),g:Eubacterium(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTACCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGCTTAGCAAGTCAGATGTGAAAGCCCGCGGCTTAACCGCGGAACTGCGTCTGAAACTGTTAGGCTTGAGTGCAGGAGAGGTGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9984;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9638),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.6138),f:Bacteroidaceae(0.1872),g:Bacteroides(0.0519);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGCAAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACCGCCCTACGGGTCGTAAACTTCTTTTATAAAGGACTAAAGTCCTCCACGGGTGAACGTTTGCATGTACTTTATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTACAGGGAGCGCAGACGGGCTGTTAAGTCAGATGTGAAAGGCCGCGGCTCAACCGTGGAATTGCGGTGGGTACTGGCTGCCTTGAGTGCGGTTGGGGAAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACCCCGATTGCGAAGGCAGCTTGCCAGTCCGTTACTGACGTTGATGCTCGAAGGTGCGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU9985;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Ruminococcaceae(0.0904),g:Butyricicoccus(0.0134);
ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGGGGAAACCCTGACGCAGCAACGCCGCGTGCAGGATGAAGGTCTTCGGATTGTAAAACCCTTTTACTAAGGACGAAGTCGTGACGATACGCTGTGAATAAGCCGCGGCTATCTGCGTGACAGCAGGCGCGGTAATAGCCAGGTGGCGCGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGTCTTGCAAGTCAGATGTGAAATACCGGTGCTCAACTCCGGGGCTGCATTTGAAACTGTAGGACTTGAGTGATGGAGAGGCAGGCGGAATTCCCGGTGTAGCGGTGGAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACATTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU9986;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Lachnospiraceae(0.3204),g:Roseburia(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCACCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGGTGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCCTCGGCTTAACCGAGGAACTGCATCGGAAACTGTTTTTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9988;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8808),c:"Bacteroidia"(0.5579),o:"Bacteroidales"(0.2999),f:"Porphyromonadaceae"(0.0904),g:Parabacteroides(0.0134);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGGAGCCTGAACCAGCCAAGTCGCGTGAGGGATGAAGGCCCTACGGGTTGTAAACCTCTTTTATAAGGGAATAAAGGACATCACGTGTGATGTTTTGCACGTACCTTATGAATAAGCATCGGCTAACCCCGTGCCAGCAGCCGCGGTAATCCGGAGGATCCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGTGGCTTGTTAAGTCAGATGTGAAAGTCAGGGGCTCAACCATTGAATTGCCGTGGAAACTGGCGAGCATGAGTACGTACGGGGCAAGCGGAATGCGTGGTGTAGCGGTGAAATGCAGAGATATGACGAAGAACCCCGATCGCGAAGGCAGCCTGCCAGGCCGTGACTGACACTGAGGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU9987;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Peptococcaceae_2(0.0457),g:Desulfotomaculum(0.0110);

AGGGAAGGCAGCAGTGGGGAATATTGGGAAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCCCGGGAGACGATATAGAGACGGTATCCCGGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGACCGTTGTCCGGAATGATTGGGCGTAAAGGGCGTGTAGGCGGCTGATTAAGTCTGGAGTGAAAGTCCTGCTGTTAAGGTGGGAATTGCTTTGGATACTGTCGGGCTTGAGTGCAGGAGAGGTAAGTGGAATTCCCAGTGGAGCGGTGAAATGCGTAGAGATTGGGAGGAACACCAGTGGCGAAGGCGACTTACTGGACTGTAACTGACGCTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9992;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Lachnospiraceae(0.1098),g:Ruminococcus2(0.0204);

CCTTTCTTCCTCCTTTTTTCCTCTTTCCCCCTTGGGGCCACACTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGAAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCAGGCTAACTAAGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGTATCAAGTCTGATGTGAAAGGCAGGGGCTCAACTCTTGGACTGCATTGGAAACTTGTATGCTCGAGTGCCGGAGGGGTAAGTGGAATTCCTCGTGTATCGGTGACATGCGTAGATATTAGTAGGAACACCAGTGTCCAATGCGGCTTACTGGACGGTAACTGACCTTGAGTCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTTGTA

>OTU9989;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9711),o:"Bacteroidales"(0.8737),f:"Prevotellaceae"(0.6350),g:Prevotella(0.1299);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTGGGGGACGTGTCCCTTTTTGCAGGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCTGGAGGTCAAGCGTGTTGTGAAATGCCGCGGCTCAACGGGGGAGCTGCAGCGCGAACTGGTTTTCTTGAGTGCGCTGGAAGTGAGCGGAATTTGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACACCGATTGCGAAGGCAGCTCACTGGACCGCGACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU9990;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Lachnospiraceae(0.1679),g:Clostridium_XlVa(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAGAAGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTTGATCAAGTCTGATGTGAAAGCCCGGGGCTCAACCCCGAGGACTGCTTTGAAACCTGTCGAATTAAAGTGATGGACGGGCAAGCGAAATCCCTAGTGTGGCGGTAAAATTGTTAGTAATAAGGGGAAACGCCAGTGGCGAAGCCGGCTTGCTGGCCTGAAACTGACTCTGAGGCTCGAAAGCGTGGGGACCAAACAGGATTAATACCCTGGTA
>OTU9991;tax=d:Bacteria(0.0024),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Halanaerobiales(0.0000),f:Halobacteroidaceae(0.0000),g:Halanaerobacter(0.0000);
CCGTGGCTGCCTGACCGTACCGAGGCTAACCCTAATGAGCTTCATCACGATGATGCTCGTTCTGGTTTCCGTTGCTTCCCTCTCACAAACATTTGGACTGCTCCGCTTCCTCCTGAGACTGAGCTTTCTCGCCAAATGACGACTTCTACCACATCTATTGACATTATGGGTCTGCAAGCTGCTTATGCTAATTTGCATACTGACCAAGAACGTGATTACTTCATGCAGCGTTACCATGATGTTATTTCTTCATTGGGAGGTAAAACCGCTTATGACGCTGACAACCGTCCTTTACTAGTAATGCGCTCTAATCTCTGGGCAGCTGGCTAGGATGTTGATGGAACTGACCAAACGTCGTTAGGCCAGTGTTATGGGCGTGTTCAACAGACCTATAAACATGCTGGGCCGCGTG
>OTU9993;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9605),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.6138),f:"Porphyromonadaceae"(0.1872),g:Parabacteroides(0.0423);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGGAGCCTGAACCAGCCAAGTCGCGTGAGGGACGAAGGCCCTACGGGTTGTAAACCTCTTTTATAAGGGAATAAAGGGCGCCACGTGTGGCGCATTGCATGTACCTTATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGTGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGTGGCTTGTTAAGTCAGCGGTGAAAGTCGGTGGCCCAACCGTTAAATTGCCGTTGAAACTGGCAGGCTTGAGTACATGAGAGGCAGGCGGAATGCGTGGTGTAGCGGTGAAATGCTTAGATATCACGCAGAACCCCGATCGCGAAGGCAGCCTGCCAGGCCGTAACTGACACTGATGCACGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU9994;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9900),c:Spirochaetia(0.9733),o:Spirochaetales(0.9063),f:Spirochaetaceae(0.8864),g:Treponema(0.7643);
ACGGAAGGCAGCAGCTAAGAATATTCCACAATGGGCGAAACTCTGACGGAGCAACGCCGCGTGGACGATGAAGGCCGTAGGGTTGTAAAGTCCTTTTATAATTGAGGAATAAGCGGGGAAGAGAATGCTTCAGCGGTGACTGTACCTACTGAATAAGCACCGGCTAATTACGTGCCAGCAGCCGCGGTAACACGTAGGGTGCGAGCGTTATTCGGAATTATTGGGCGTAAAGCGCACGCAGGCGGCTTGTCAAGTTTGGTGTGAAATCTCAGGGCTCAACCCTGAAACTGCATTGAGAACTGCATGGCTAGAGTTAGTGAGGGGAAAGCGGAATTCCAGGTGTAGCGGTGAAATGTGTAGATATCTGGAAGAACACCAATGGCGAAGGCAGGTTCCCAGACCATTACTGACGCTGAGGTGCGAAGGTGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU9996;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8897),o:"Bacteroidales"(0.7623),f:"Porphyromonadaceae"(0.2864),g:Parabacteroides(0.0712);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGGAGCCTGAACCAGCCAAGTCGCGTGAAGGATGAAGATTCTAGGGATTGTAAACTTCTTTTATGGGGGAATAAAGTGCGGGACGAGTCCTGGTTTGTATGTACTTCATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGATGGACTTTTAAGTCAGCGGTGAAAGTTTGTGGCTTAACCATAAAATTGCAGTTGATACTGGAGGGCTTGAGTATGTTTGGGGCAGGCGGAATGTGTGGTGTAGCGGTGAAATGCATAGATATCACGAAGAACTCCGATCGCGAAGGCAGCTTGCTAAGCCATAACTGACACTGAAGCACGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU9995;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8189),o:Clostridiales(0.4652),f:Ruminococcaceae(0.2524),g:Clostridium_III(0.0519);

ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGCGCAACCCTGACGCAGCAACGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGGACGTGACGGTACCTGGAGAAAAAGCAACGGCTACCTACGTGCCAGCAGCCGCGGTACTACGTAGGTTGCAATCGTTGTCCGGAATTACTGGGAGTAAAGGGCGTGTAGGCGGAGGAGTAAGTTAGATGTGAAATCCCGGGGCTTAACCCTGGAATTGCATTTGAAACTGGTCCCCTAGAGTATGGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGAAAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU9997;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Bacilli(0.2321),o:Lactobacillales(0.1015),f:Lactobacillaceae(0.0252),g:Lactobacillus(0.0076);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGTGTTTCGGCTCGTAAAGCTCTGTCGTCGGAGAAGAACGTGCGTGTGAGTAACTGTTCACCCCGTGACGGTATCCAACCAGCAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAACGTTATCCGGATTTATTGGGTGTAAAGGGTGCGTAGACGGGAAGACAAGTTAGTTGTGAAAGCCGTCGGCTCAACTGAGGAACTGCAACTAAAACTATCGTACTTGAGTGCTGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTTCTGGACAGTAACTGACGTTGAGGCACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTG

>OTU9999;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9966),c:"Bacteroidia"(0.8048),o:"Bacteroidales"(0.5395),f:Bacteroidaceae(0.1098),g:Bacteroides(0.0204);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGATTGTAAACTTCTTTTATTCGAGGGTAAAGTGAGGTACGTGTACCTTATTGTAAGTACTGAATGAATAAGCATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGCAGATTAAGCGAGACGTGAAAGGTTGCGGCTCAACCGTTGAATTGCGTCGGGTACTGGTTATCTTGAGTGCGTTCGATGCAGGCGGAATTTGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTAGGCCGTAACTGACGCTAATGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU9998;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Ruminococcaceae(0.1291),g:Clostridium_III(0.0134);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACTCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCCTCGGGTTGTAAACCTCCTTTACTAGGGACGAAGGACGTGACGGTACCTGGAGAAAAAGCAACGGCTAACTACGTGCCAGCAGCCGCGGCAATACGTAGGTCGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGGAGCAAGTCAGATGTGAAATTCCGGGGCTTAACCCCGGAACTGCATTTGAAACTGTTTCCCTTGAGTAACGATGAGGCAAGCGGAATTTCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCGATTGCGAAGGCAGCTTGCTAGGCCGCAACTGACGCTGAAGCGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU10000;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.6881),f:Bacteroidaceae(0.2524),g:Bacteroides(0.0712);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGAAGACTGCCCTATGGGTGGTAAACTTCTTGTATAAGGGAATAAAGTGCACCAAGGGAGGTGTGTTGGATGTACCTTATGAATAAGGAGCGGCTAAATCCGTGCCAGCAGCAGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGCAGGTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGTCCTGCTTGAGTGCTGCAGAGGCAGGCGGAATTTGTGGTGTAGCGGTGAAATGCTTAGATATCACTAAGAACTCCGATTGCGAAGGCCGCTTGCTGCAGCGTAACTGACCCTGATGCTCGAAAGTGCGGGTATCAAACAGCATTAGATACCCTGGTA
>OTU10002;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Lachnospiraceae(0.0252),g:Blautia(0.0066);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGTCTGATGCAGCAACGCCGCGTGAGGGAAGAAGGTCTTCGGATCGGAAAGCTCTGCTTTTGGGGAAGAAAATGACGGTACGCTTGGAGGAAGCCCCGTATAACTAGGTGCCGGCAGCCCCGGTAATACGTAGGATGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGGACTTCAAGTTCGCTGTGAAAGGTTAAGGCTTAACCTTGGCACTGCATCCAAAACTGTAGTCCTTGAGTGGAGTAGAGGTAAGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAAGAACACCAGTGGCGAAGGCGGCTTACTGAGCTCTAACTGACGCTCAGGCTCGAAAGTGTGAGGAGCAAACAGGATTAGATACCCTGGTA
>OTU10001;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Ruminococcaceae(0.0252),g:Clostridium_IV(0.0076);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAGTGGGCGCAAGCCTGACCCAGCCACGCCGCGTGAGGGAAGAAGGCTTTCGGGTTGTAAACCTCTGTCCTTGGTGACGAAGGAAGTGACGGTAGCCAAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGTCTTTTAAGTTGGATGTGAAATCCCCGGGCTTAACTTGGGGTCTGCAGCCAGTACTGGGAGACTAGAGTGCAGGAGAGGGAAGCGGAATTCCTAGGGTAGCGGTGAAATGCGTAGATATTTGGAGGAACACCAGGGGCGCAGGGGGCTTTCCGGACTGCAACCGCGGCGCGGGTCCGAAAGCCGGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU10003;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Lachnospiraceae(0.1291),g:Ruminococcus2(0.0230);

ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGGGAAACCCTGATCCAGCGACGCCGCGTGAGTGAAGAAATATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTAAATGACTAAGAAGCACCGGCTAAATACGTGCCAGAAGACGCGGGAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGAGGCAGGGCAAGTCTGATGTGAAAACCCGGGGCGCAACCCGTGAATTGCATTGGAAACTGTCGAGCTCGAGTGTCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGTCAGAACACCGGTTGCGAAGGCATCTCACGAAGCAGGCATTGACGCTGAGGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU10005;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Bacilli(0.9747),o:Lactobacillales(0.6138),f:Lactobacillaceae(0.3544),g:Lactobacillus(0.0808);

AAGGGAGGCAGAAGGAGGGAAGAGGAAAGAAGGGAAGAAAGGAGGAGGGAGGAAGGAAGAGTGAGGGAAGAAGGTTTTCGGATCGTAAAGCTCTGGGGTTGGTGAAGAAGGAGAGAGGTAGTAAAGGGCCTTTATTTGAGGGTAATCAACCAGAAAGTCACGGCTAACTAAGTGCAAGCAGCCGCGGGAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAACGCCCTCGGCTTAACCGCCTAACTGCATCGTGCACTGTTTTTCTTGGTTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGACTTCGTAGATATCTGGACGAACACCCGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGCGGCTCGAAAGCATGGCTAGCGAACCGGATTAGATACCCTTCTA

>OTU10006;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9507),c:"Bacteroidia"(0.8048),o:"Bacteroidales"(0.5395),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0519);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGGAGCCTGAACCAGCCACGTCGCGTGCAGGATGAAGGCTCTATGGGTTTTAACCTGCTTCTATAGGGGAGAAAAAGGGGCGACGTGCGGCATATTGCCGGTACCCAATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATCCGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCTGTCTTATAAGCGTGGAGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGCGTACTGTGAGACTTGAGTGCGGAGGAAGTAAGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACACCGATTGCGAAGGCAGCCTACTGGAGCGTAACTGACGCTGAGGCTCGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU10004;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Ruminococcaceae(0.2864),g:Oscillibacter(0.0204);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGACGCAAGTCTGATCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTCGTAAACCTCTTTTAAGTGGGAAGAGCAGAAGACGGTACCACTTGAATAAGCCACGGCTAACCACGTGCCAGCAGCCGCGGTAATACGTTGGTGGCAAGCGTGGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGTGTGCAAGTCAGATGTGAAATCTGGAGGCTCAACCTCCAAACTGCATTTGAAACTGTGCATCTTGAGTGAAGTAGAGGCAGGTGGAATTCCCTGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTAACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU10007;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9966),c:"Bacteroidia"(0.8048),o:"Bacteroidales"(0.5395),f:"Prevotellaceae"(0.1485),g:Prevotella(0.0181);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGCCTGAACCAGCCAAGTAGCGTGAAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCTATGTGTGGCATATTGCAGGTACTTTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGCTGGTAAGTCAGCTGTGAAAACTCGGGGCTCAACCCCAAGCCTGCAGTTGATACTGTCTAACTTGAGTGCACTCAGGGATGCCGGAATTCATGGTGTAGCGGTGAAATGCTTAGATATCATGAAGAACTCCGATCGCGAAGGCAGGTGTCCGGAGTGCTACTGACACTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU10010;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.9389),f:"Prevotellaceae"(0.9015),g:Prevotella(0.5720);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGCCGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTGTAGGGGGGTAAAGTGTGCCACGTGTGGCATGTTGCAGGTACCCTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCCGTCTTATAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGGGAGACTTGAGTGCGCAGGAAGTAGGAGGAATGCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCGGTAGCGTAATTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU10009;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Ruminococcaceae(0.2864),g:Subdoligranulum(0.0326);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGTTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTCGTAACTGGCCTTCTTCTGCCGGTACCTAACAAGAAAGAACCGGCTAACTACGTGCCAGCCGCCGCGGTAAATCGTAGGGTTCAAGCGTTGTCCGGAATTCCTGGGTGTAAAGGGAGCGCAGGCGGACCGGCAAGTTGGAAGTGAAATCTAGGGGCTCAACCCATAAATTGCTTTCGAAACTGCTGGCCTTGAGTAGTGCAGAGGTAGGTGGAATTCCCGGTGTAGCGGTGGAATGCGTAGATATCAGGAGGAACACCAGTGGCGAAGGCGACCTACTGGGCACCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU10008;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9719),o:"Bacteroidales"(0.8846),f:Bacteroidaceae(0.5273),g:Bacteroides(0.3479);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGCACGTGTGCCGGTTTGTATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGGAGTTTAAGTGAGTTGTGAAATGTTGCGGCTCAACCGGGGAAGTGCAGGGGGAACTGGAGAGCTTGAGTGCAGATGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAGGAACCCCGATTGCGAAGGCAGCCTGCTAGGCTGCAACTGACGTTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU10011;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9988),c:Deltaproteobacteria(0.9776),o:Desulfovibrionales(0.9606),f:Desulfovibrionaceae(0.8505),g:Desulfovibrio(0.6681);
ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGTCCTCGGATCGTAAACCTCTGTCAGAAGGGAAGAAACTAGGGTGCTCTAATCATCATCCTACTGACGGTACCTTCAAAGGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATCACTGGGCGTAAAGCGCACGTAGGCTGTTATGTAAGTCAGGAGTGAAATCCCACGGCTCAACCGTGGAACTGCCTTTCATACTGCACAACTAGAATCCGGGAGAGGGTGGCGGAATTCCAGGTGTAGGGGTGAAATCCGTACATATCTGGAGAAACATCAGGGGCGAAGGCGGCCACCTGGACCGATTTTGACGCTGAGGTGCGAAGGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU10012;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Bacilli(0.9321),o:Lactobacillales(0.6881),f:Lactobacillaceae(0.4563),g:Lactobacillus(0.1735);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCCGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTTTCGTTGGTGAAGAAGGATAGTGGCTTCATCTGTCCATTATTTGACGTTAATCAACCAGAAAGTCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAGGTGGCAAGCGTTGTCCGGAGTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAGATAAGTCAGAAGTGAAAGCCCCGGGCTTAACCGGGGAACTGCTTCGGAAACTGGCCTGCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCGCTCTGGACTGCAACTGACGCTGAGGCGCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU10014;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8520),f:Bacteroidaceae(0.5632),g:Bacteroides(0.3915);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCATGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTGTTACGGAGTAAAGTCGGGTATGGATACCCGTTTGCATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCTGGATTTATTGGGTTTAAAGGGTGCGTAGATGGATGTTTAAGTGAGTTGTGAAAGTTTGCGGCTCAACCGGAAAATTGCAGCGGATACTGGATATCTTGAGTGCAGTTGAGGCAGGAGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU10015;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Bacilli(0.9840),o:Lactobacillales(0.8629),f:Lactobacillaceae(0.6709),g:Lactobacillus(0.3479);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTCTTCGGATAGTAAAGCTCTGTTGTTGGTGAAGAAGGTTAGAGTTAGTAACTGGCCTTTATTTGACGGTAATCAACCAGCAAGTCACGTCTAACTACGTGCCATCACCCGGGTTAATATGAATGTGGCTAGCGTTGGCCGGATTTATTGGGCGTAAAGCGAACGCAGGCGGAAAAATAAGTCTGATGTGAAAGCCCGCGGCATAACCGAGGAAATGCATCGGAGACTGTATTT

CTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGAGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGC
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>OTU10013;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lach
nospiraceae(0.2864),g:Blautia(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTA
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GCAGCCGCGGTAATAAGTAGGGGGCAACGGTCATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGCAGAGCA
AGTCTGATGTGAAAACCCTGGGCTCAACGCCGGAATTGCATTGGAAACTGGCTAGCTCGAGTGTCGGAGAGATAAG
CGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGAT
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7252),f:"Prevotellaceae"(0.4224),g:Prevotella(0.0904);
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GGCCGCCTAATTCCGTGCCAGGAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTGTAAAGG
GAGCGTAGGCCGTCTGTTAAGCGAGTTGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGTTCGAACTGGCAGACTT
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3),f:Cytophagaceae(0.0113),g:Adhaeribacter(0.0056);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGACGGAAATCTGATCCAGCCATGCCGCGTGCAGGAAGACGGT
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CACCGGCTAACTCCGTGCCAGCAGCCGCGATAATACGGAGGGTGCAAGCGTTATCCGGATTTATTGGGTTTAAAGGG
TGCGTAGGCTGTAAGTCAAGTCAGCGGTGAAAAGGCGGGGCTTAACCTTGAGGGTGCCGGTGAGACTGATTTTCTA
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>OTU10020;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9441),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.
3959),f:"Porphyromonadaceae"(0.1098),g:Parabacteroides(0.0181);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGATGAAGGC
CCTACGGGTTGTAAACCTCTTTTATAAGGGAATAAAGGGCGCCACGTGTGGCGCATTGCATGTACCTTATGAATAAGC
AGCGGCTGACTCCGTGCCAGCAGCCCAGGTAATACGGAGGATGCGAGCGTTATCCGGATTCATTGGGTGTAAAGGG
TGCGTAGGTGGCTTGTTAAGTCAGCTGTGAAAGTCAGTGGCTCAACCATGGAATTGCCGATGAAACTGGCGAGCTTG

AGTACGTACGGGGCAGGCGGAATGCGTGAGGTAGCGGTGAAATGCATAGATATCACGCAGAACCCCGAACGCGAA
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>OTU10018;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Bacilli(0.4428),o:Lactobacillales(0.2039),f:Lactob
acillaceae(0.0904),g:Lactobacillus(0.0181);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
TTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTCACGAAGTGACGGTATCCAACCA
GAAAGTCACGGCTAAATACGTGCCAGCAGACGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGT
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GACTCGAGTACGGGCGAGGGTGGCGGAATTCCAGGTGTAGGGGTGAAATCCGTAGATATCAGGAGGAACATCAGT
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GGTA
>OTU10017;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lach
nospiraceae(0.3544),g:Dorea(0.0904);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAAGGATGAAGTA
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>OTU10022;tax=d:Bacteria(0.0041),p:"Chlamydiae"(0.0000),c:Chlamydiia(0.0000),o:Chlamydiales(0.0000),f
:Chlamydiaceae(0.0000),g:Chlamydia(0.0000);
AGGTGAAGTAAAAGGTTCATACTTAAACGTTACTGCAGCTACTATGGAAGAAGTGTACAAACGTGCAGAATACGCTA
AAACAGTTGGTTCTGTAATCGTTATGATCGATTTAGTAATGGGTTACACAGCAATTCAAAGTATTGCTATTTGGGCTCG
TGAAAACGACATGCTTTTACACTTACACCGTGCTGGTAACTCTACTTATGCTCGTCAAAAGAATCACGGTATTAACTTC
CGTGTTATCTGTAAATGGATGCGTATGTCTGGTGTAGATCATATCCACGCCGGTACAGTTGTAGGTAAATTAGAAGG
>OTU10023;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9711),o:"Bacteroidales"(0.
8737),f:"Prevotellaceae"(0.4224),g:Prevotella(0.2171);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
CCTATGGGTTGTAAACTTCTTTTATAAGGGGATAAATGTGGGTACGCGTACCCGTTTGCACGTACCGTATGAATAAGG
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GCGTAGGCGGGCTGTTAAGTTAGCTGTGAAAGTTTGGGGCTCAACCTTAAAATTGCAGTTAATACTGGGGGCCTTGA
GTGTAGTATAGGCAGGCGGAATGTGTGGTGTAGCGGTGAAATGCTTAGATATCACGCAGAACTCCTATTGCGAAGG
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>OTU10025;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9900),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4652),f:"Prevotellaceae"(0.1872),g:Prevotella(0.0230);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTTTGGGTTGTAAACTGCTTTTTCGCGGGGATAAAGAGGGGGACTTGTCCCCCGTTGCAGGTACCGCGTGAATAAGGACCGGCTAATTCTGTGTCAGCAGCCGCGGTAATACGGCAGGTTCGGGCGTGATCCGGATTTATTGGGTTTAAAGGGAGCGAAGGGCGTATGGTAAGCGTGTTGTGAAATGCCGAGGCTCAACCATGGCACTGCAGTGCGAACTGCCGTACGTGAGTACGATAGAGGTAGGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACCCCGATTGCGAAGGCAGCCTACCGTAGCGGCACTGACGCTGAGGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU10021;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Bacilli(0.4428),o:Lactobacillales(0.2039),f:Lactobacillaceae(0.0904),g:Lactobacillus(0.0181);

ACGGGAGGCAGCAGTGGGGAATTTTGCACAATGGACGCAAGTCTGATGCAGCGACGCCGCGTGAGGGATGGAGGCCTTCGGGTTGTGAACCTCTTTCGCTCATGGTCAAGCCGCACGTGTGCGTGTGGTGAGGGTAGTGTGTAAAGAAGCGCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGCGCGAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTACTTAAGTCTGATGTGAAAGCCTTCGGCTTAACCGAAGAAGTGCATCGGAAACTGGGTGACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU10024;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9671),c:Gammaproteobacteria(0.8472),o:"Enterobacteriales"(0.6138),f:Enterobacteriaceae(0.4224),g:Escherichia/Shigella(0.0904);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTGCTCATTGACGTTACCCGCAGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGCACGTAGGCTGTTATGTAAGTCAGGGGTGAAATCCCACGGCTCAACCGTGGAACTGCCCTTGATACTGCACGACTTGAATCCGGGAGAGGGTGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGATAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU10027;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Lachnospiraceae(0.1872),g:Ruminococcus2(0.0423);

ACGGGAGGCAGCAGTAAGGAATCTTCCACAATGGGGGAAACCCTGATGCAGCGACGCAGCGTGAGCGAAGAAGTCTTTCGGGATTTAAAGCTCTATCAGCAGGGAATAAAATTACGGTACCTGACTAATAATCCCCGTCTAACTACGTGCCAGCACCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGAGACAAGTCTGATGTGAAAACCCGGAGCTCAACCCGGGGAATGCAGCGGAAACTGTTGTGCTTGAGTGATGACGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACCGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU10026;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9605),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5023),f:"Rikenellaceae"(0.2524),g:Alistipes(0.0712);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGCCTTATGGGTTGTAAACCTCTTTCAGATGAGCGTAAAGGGTGCTACGCGTAGCACATTGCAAGTATCATCAGAAGAAGCATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGATTCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTTTGATAAGTTAGAGGTGAAATGCCGGGGCTCAACTCCGGAACTGCCTCTGATACTGTTGAGCTAGAGAGTAGATGCGGTAGGCGGAATGTATGGTGTAGCGGTGAAATGCATAGAGATCATACAGAACACCGATTGCGAAGGCAGCTTACCAAAATATGTCTGACGTTGAGGCACGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU10028;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.7907),c:Epsilonproteobacteria(0.5195),o:Campylobacterales(0.2679),f:Campylobacteraceae(0.1291),g:Campylobacter(0.0230);
ACGGAAGGCAGCAGTAGGGAATATTGCGCAATGGGGGAAACCCTTACGCAGCAACGCCGCGTGGAGGATGACACTTTTCGGAGCGTAAACTCCTTTTCTTAGGGAAGAATTCTGACGGTACCTAAGGAATAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTATGTAGGTGGTTTCTTAAGCGCAGGGTATAAGGCAATGGCTTAACCATTGTTCGCCCCGTGAACTGAGAGACTTGAGTGCTGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGATTGCTGGACGATAACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU10029;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Ruminococcaceae(0.3884),g:Intestinimonas(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTAAGAGGGAAGGGCAGAAGACGGTACCTCTAGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGCAGCCGGGAGTGCAAGTTGAATGTTTAATCTATGGGCTCAACCCATATCAGCGTTCAAAACTGCATTTCTTGAGTGAAGTAGAGGTTGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACGACAACTGACGCTGAGGCGCGAAGGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU10030;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Ruminococcaceae(0.0113),g:Clostridium_IV(0.0056);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATGCCGCGTGAAGGACTAAGGCCCTATGGGCTGTAAACTTCTTTAGACGCAGAGCAATAAGGGCCACGCGTGGTCCGATGAGAGTATGCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGATAGCAAGTCAGCTGTGAAAACTATGGGCTCAACCCATAAACTGCAGTTGAAACTGTTATTCTTGAGTGGAGTAGAGGCAAGCGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTGGGAGGAACACCAGTAGCGAAGGCGGCTTTCTGGACTGCAACTGACACTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU10031;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Clostridiaceae_1(0.3884),g:Clostridium_sensu_stricto(0.0904);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAAGGATGAAGGTTTTCGGAATGTAAACCTCTGTCATTGGGGAGGATAATGACGGTACCCGAGTAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAAGTGGGATGTGAAATCCCCGGGCTCAACCTGGGTGTTGCATTGCAAACTGGTTAGCTAGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGGCTCTCTAGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU10032;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9168),c:"Bacteroidia"(0.5579),o:"Bacteroidales"(0.2999),f:Bacteroidaceae(0.0904),g:Bacteroides(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCAGCGTGAAGGACGAAGGCCCTATGGGTTGTAAACTTCTTTAGTCGCGGAATAAAAAGGGGTTTGGGTGATCCTATGAATGTATTCTTTGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGAAGTGTAAGTCAGCTGTGAAATTCCGCCGCTCAACGGTAGAGTTGCAGTTGATACTGTATATCTTGAGTGCTGTTGAGGTGGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATTACGAAGAACTCCGATTGCGAAGGCATCTCGCGAAGGGGCGATTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU10034;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9474),c:Gammaproteobacteria(0.8331),o:"Enterobacteriales"(0.4652),f:Enterobacteriaceae(0.2864),g:Escherichia/Shigella(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTGCTCATTGACGTTACCCGCAGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGAGTGCGTAGGTGGCTTTGCAAGCGTAGGGTATAAGGCGACAGCCCAACTGTCGTTGGCCCCGCGAACTGTAAGGCTTGAGTACAGGAGGGGAAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGATAACTGACGATGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU10033;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Clostridiaceae_1(0.5273),g:Clostridium_sensu_stricto(0.3479);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGGGATGAAGGTTTTCGGAGCGTAAAGCTCTGTCTTTGAGGAAGATAATGAGGGTACCGAAGGAGGAAGCCACGGCTAACTACATGCCAGCAGCCGCAGTACTACGTAGGTGGCGAGCGTTATCCGGATGTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAGGTGGGATGTGAAATACCCGGGCTCAACTGGGGTGTTGCATTTCAAACTGGTTATCTAGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCTTAGAGATCAGGAAGAACACCAGTTGCGAAGGCGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU10035;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Rumi
nococcaceae(0.3884),g:Clostridium_IV(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
CCTCGGGTTGTAAACTTCTTTTGTTAGGGGCGAAACAAATGACGGTACTTGATGAATAAGCCAAGGCTAACTACATGC
TAGCAGCCGCGGCAATACGTCGGTGGCAAGCGTTATCCGGATTTACTGGGGGTAAAGGGCGTGTAGGCGGGCCGGC
AAGTCAGGTGTGAAATTCCAGGGCTCAACCCTGGAACTGCACGTGAAACTGTGGGTCTTGAGTGAGGGAGAGGCAG
GCGGAATTCCGTGTGTAGCGGTGAAATGCGTAGATATACGGAAGAACACCGGGGGCGAAGGCGGCCTGCTGGACA
TTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU10036;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Euba
cteriaceae(0.1485),g:Eubacterium(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGT
TTTCGGATTGTAAACCTCGGTTTTCGGTGACGAACAAATGACGGTAACCGAGTAGGAAGCCACGGCTAACTACGTGC
CAGCAGACGCGGTAATACGAAGGTGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGTGATAG
CAAGTCAGCTGTGAAAACTATGGGCACAACCCCTAACCTGCAGTTGAAACTGTTATTGTTGAGTGGAGTAGAGACAA
GCGGAATTCCGAGTGTAGCGGTGAACTGCGTATATATTCGTAGGAACACCAGTGGCGAAGGCGGCTTGCTAGGCTCT
AACTGACGCTGAGGCTCGAAAGTGTGGGGGGCAAACAGGATTAGATACCCTGGTA
>OTU10037;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Lach
nospiraceae(0.3544),g:Clostridium_XlVa(0.1299);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
TCTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAGATTCAA
GTCAGGGGTGAAATCCCACAGCCCAACTGTGGAACTGCCTTTGATACTGCCAGGCTGGAGTGTCGGAGAGGCAGGC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACGATG
ACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU10041;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9711),o:"Bacteroidales"(0.
8737),f:"Prevotellaceae"(0.6709),g:Prevotella(0.2171);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGAAGGC
CCTATGGGTTGTAAACTGTTTTTATACGGGGATAAAGTGAGCCAAGGGTGGCTTATTGCAGGTACCGTATGAATAAG
GACCGGCTAATTCCGTGCCAGTAGCCGCGGCAATACGGAAGGGCAGGGGGCTATCCGGATTTATTGGGTTTAAAGG
GAGCGTAGGCCGTCTGTTAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGGCAGACTT
GAGTGCGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACACCGATTGCGAA
GGCGGCCTGCTGTAGCGTAACTGACGCTGAGGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU10039;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Bacilli(0.9719),o:Lactobacillales(0.8412),f:Lactobacillaceae(0.5991),g:Lactobacillus(0.2171);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATTGTAAAGCTCTGTTGTTGGGGAAGAAGGATAGAGGTTGTAACTGTCATTTACTTGACGGTAATCAACCCGAACGTCACCGGTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAGTAAGCCTAATGTGAAAGCCCAGGGCTTAACCGAGGAATTGCATCGGAAACTGTTTATCTTGAGTGTAGAAGAGGTGAGTGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATCTGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU10040;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9740),o:Lactobacillales(0.8629),f:Lactobacillaceae(0.6350),g:Lactobacillus(0.4351);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCCACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGTTCTGTTGTTGGTGACGAAGGATAGAGGTAGTATCTCGCCTTTATCTGACGGTAATCAACCAGAAAGTCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTTGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGGCAGATGTGAAAGCCCCCGGCTTAACCGGGGAACTGCATCGGAAACTGTATGTCTTGAGTGCAGAAGAGGGGAGTGGAACTCCAAGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCGCTGGGCTGCAACTGACGCTGAGGCACGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU10038;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Ruminococcaceae(0.1679),g:Ruminococcus(0.0230);

ACGGAAGGCAGCAGTGGGGGAGATTGCGCGATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAAAGATGAAGGTCTTCGGATCGTAAAGTTCTGTTATTAAGGACGAAGAAGTGACGGTACTTAAGGAATAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGGTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCAGAGCAAGTCAGATGTGAAATCCGTGGTCTTAACCCACGAACTGCATTTGAAACTGTTTTGCTTGAGTGAAGTAGAGGCAGGCGGAATTCCCTGTGTAGCGGTGAAATGCGTATTTATTGTGAGGAACACCAGTGCCGCCGGCGTCCTGCTGCTCTTCATCTGCCGCTGAGTCCCGATCTCCTGGGTAGCACACAGGATTAGATACCCTGGTA

>OTU10043;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Lachnospiraceae(0.1098),g:Clostridium_XlVa(0.0204);

ACGGGAGGCAGCAGTGGGGAATATTCCACAATGGGAGAAAACCTGATGCAGCGACGCCGCCTGAGCGAAGAAGTATTTCGATATGTAAAGCTCTATCAGCAGGGAAGAAGAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCATGGCAAGTCTGATGTGAAAACCCAGGGCTCAACCCATGGACTTCATTGGAAACTGTCAAGCTTGAGTGTCGGAGGGGTAAG

CGGAATGCCTAGTGTAGCGGTGAAATGCGTATATATTAGGATGGAAACCAGTGGCGAAGACGGTCAAACTGATGAT
CACTGACGCGCAGGCGCGAGAGCCTGGAGGGAGAACAGGATTAGATACCCTGGTA
>OTU10042;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Eubacteriaceae(0.3884),g:Eubacterium(0.1735);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTA
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GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGTAA
GTCTGATGTGAAAACCCGGGGCTCTACCCCGAGGACTGCTTTTGGAACTGTCGAACTAGATTGCAGGAGGGGCAAGC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACCGTA
ACTGACACTGAGGTACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU10045;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9168),c:Sphingobacteriia(0.4045),o:"Sphingobacteriales"(0.1719),f:Sphingobacteriaceae(0.0710),g:Olivibacter(0.0157);
ACGGGAGGCAGCAGTAAGGGATATTGGTCAATGGGCGGGAGCCTGAACCAGCCATGCCGCGTGAGGGATTGAGGC
CCTACGGGTCGTAAACCTCTTTTGCCGGGGGATAACGGGCGCCACGGGTGGCGCCGTGCAGGTACCCGGAGAATAA
GCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGG
GGGCGCAGGCGGGTGTCTAAGTCAGCGGTGAAAGTCCCGGGCTCAACCCGGTCAGTGCCGTTGATACTGGGGGCCT
GGAATGCGGTAGAGGCAGGCGGAATGTGGCGTGTAGCGGTGAAATGCATAGATATGCCAAAGAACACCGATAGCG
AAGGCAGCTGGCCGGGCCTGCATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGAATTAGATACCCTGGTA
>OTU10044;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Ruminococcaceae(0.0457),g:Fastidiosipila(0.0087);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGACGG
TCTTCGGATCGTAAACCTCTTTCAGCAGGGAAGATGCAAGTGACGGTACCTGCAGAAGCCGTCACGGCTAACTACGT
GCCAGCCGCCGCGGTAATACGTAGGTGGCGAGCGTTCTCCGGAATTACTGGGTGTAAAGGGTGTGTAGGCGGGGAA
GCAAGTCAGATGTGAACACTAAAGGCTCAGCCTGGGGCTTGCATTTGAAACTGTATTGCTTGAGAGTGGGAGAGGTA
AACGGAATTCCTAGTGTAGGAGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGTTTACTGGACC
ACAACTGACGCTTAGACACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU10046;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9991),c:Epsilonproteobacteria(0.9733),o:Campylobacterales(0.8520),f:Campylobacteraceae(0.6350),g:Campylobacter(0.4787);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGAGGGAACTCTGATGCAGCGACGCCGCGTGAAGGAAGAAGGC
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CAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTACTCGGAATCACTGGGCGTAAAGGACGCGTAGGCGGATTATC
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TGGAATTGGTGGTGTAGGGGTAAAATCCGTAGAGATCACCAAGAATACCCATTGCGAAGGCGATCTGCTAGAACTCA
ACTGACGCTAATGCGTGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU10047;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Bacilli(0.9726),o:Lactobacillales(0.8520),f:Lactob
acillaceae(0.5273),g:Lactobacillus(0.3043);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
TTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGACGCCAGCAGTAACTGGCTGTCGTCGGACGGTAATCAACCA
GAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGCAAAACGTAGGTGGCAAGCGGTGTTCGGATTTATTGGGCGT
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GTTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGT
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GTA
>OTU10049;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.
4652),f:"Porphyromonadaceae"(0.1679),g:Parabacteroides(0.0181);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGATGACGGC
CCTACGGGTTGTAAACCTCTTTTATGCGGGAATAAAGGGCGCCACGTGTGGTGTTTTGCATGTACCTTATGAATAAGC
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>OTU10051;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8472),o:"Bacteroidales"(0.
6509),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0326);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGAAGGAAGACTGC
CCTATGGGTTGTAAACTTCTTTTATGCGGGGATAAAGTTAGCCACGTGTGGCGTTTTGCAGGTACCGTATGAATAAGG
ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCAGGCGTTATCCGGATTCATTGGGTTTAAAGGGA
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CAGCTTACTAGAGTGTAACTGACGCTAAAGCTCGAAAGCGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU10050;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Clostridia(0.0726),o:Clostridiales(0.0473),f:Rumi
nococcaceae(0.0113),g:Clostridium_III(0.0046);
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2039),f:"Porphyromonadaceae"(0.0710),g:Barnesiella(0.0087);
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9063),f:"Prevotellaceae"(0.7787),g:Prevotella(0.2607);
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4280),f:"Prevotellaceae"(0.1098),g:Prevotella(0.0181);
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1015),f:"Porphyromonadaceae"(0.0355),g:Barnesiella(0.0087);
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9685),f:Bacteroidaceae(0.8505),g:Bacteroides(0.7643);
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CGGAACTACAAGTGTAGAGGTGAAATTCGTAGATATTTGTAGGAATGCCGATAGAGAAGGCAGCTCACTGGACGAA
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>OTU10077;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Clost
ridiaceae_1(0.0355),g:Clostridium_sensu_stricto(0.0087);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGC
CCTACGGATTGTAAACCTCTTTTATCGGGGAATAACGTGGGGGACGCATCCCCTATTGCGAGTACTTTAAGAAAAAGT
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGAGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGG
AGCGTAGGGGGATGATTAAGTGAGATGTGAAATAACCGGGCTCAACCTGAGATGTGCATTCGAAACTGGTTAACTA

GAGTGCAGGAGAGGCGAGTGGAATTCGTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGA
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>OTU10080;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9762),o:Lactobacillales(0.8955),f:Lactob
acillaceae(0.7787),g:Lactobacillus(0.5239);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGACGGT
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GACAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCATGCGTTGTCCGGATTTATTGGGCGTA
AAGCGAGCGCAGGCGGAATGATAAGTCTGTTGTGAAAGCCAACGGCTCAACCGTGGAACTGCATCGGAAACTGTCA
GTCTTGAGTGCAGAAGAGGCAGGTGGAACTCGAGGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAATG
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>OTU10081;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Lach
nospiraceae(0.0904),g:Dorea(0.0134);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGG
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CAAGTCCCGGCTAACTACGTGCCATCAGCCTCGGTGATACGGAGGATGGAAGAGTTCTCCGGATTTACTGGGTGTAA
AGGGAGCGTAGACGGCTTTGAAAGCCAGATGTGAAAGCCCGGGGCTCAACCCCGGGACTGCATTTGGAACTGTAAG
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>OTU10082;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Bacilli(0.9038),o:Lactobacillales(0.7995),f:Lactob
acillaceae(0.5991),g:Lactobacillus(0.3915);
ACGGGAGGCAGCAGTAGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGTGAAGAAGGT
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>OTU10083;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lach
nospiraceae(0.2524),g:Blautia(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTA
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GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGGGTAAAGGGAGCGTAGACGGACTGGCA
AGTGTGATGTGAAAGGCAAGGGCTCAACCTGTGGACTGCATTGGAAACTGTAAGTCTGGGGTGAGGGAAGGAAAG
GCGGAATCCCAGGGTTGGCGGGAAATGGCTTGGTAATTAGGAGAAAAACCATTGGGAAAGGGGGCTTACGGGATG
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>OTU10084;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9747),o:Lactobacillales(0.9280),f:Lactobacillaceae(0.7428),g:Lactobacillus(0.3915);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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GACAGTCACGGCTCACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTATCCGGATTTATTGGGCGTA
AAGCGAGCGCAGGCGGTTTGATAAGTCTGACGTGAAAGGCTGTGGCTTAACAAAAGAAGTGCATCGGAAACTGTCA
GACTTGAGTGAAGAAGAGGACAGCGGAATTCGAGGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGT
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GTA

>OTU10085;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Bacilli(0.7881),o:Lactobacillales(0.4652),f:Lactobacillaceae(0.2864),g:Lactobacillus(0.0808);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
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AAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAA
AGGGCGCGTAGGCGGGAATGCAAGTCAGATTTGAAATCTAGGGGCTTAACCCCTAAACTGCATTTGAAACTGTATTT
CTTGAGTGTCGGAGAGGTTGACGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGC
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>OTU10086;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.3448),c:Gammaproteobacteria(0.0726),o:Legionellales(0.0473),f:Coxiellaceae(0.0113),g:Aquicella(0.0056);

ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGGGGAACCCTGATCCAGCGATGCCGCGTGAGTGAAGAAGTC
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GCAGCCGCGGTAATACAGCGGGTGCGAGCGTTGTTCGGAATTACTGGGCGTAAAGAGCGCGTAGGCGGTACTGCTA
GTCAGGAGTTAAAGACCTGGGCTTAACCTGGGGAAGGCATTTGAAACGGATGAACTAGAGTGCCGGAAGGGAAAAT
GGAATTTCCGGTGTAGAGGTAAAATTCGTAGATATCAGCAGGAACACCGGTGGCGAAAGCGGTTGTCTGGGCCGCA
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>OTU10089;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9726),o:"Bacteroidales"(0.8955),f:Bacteroidaceae(0.5273),g:Bacteroides(0.3479);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGAAGACTGC
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GCGGAGGCGGCAGGTTAAGTCTGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGGAGGCTTGA
GTGCGGTAGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGG
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>OTU10088;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9908),o:Lactobacillales(0.9685),f:Lactob
acillaceae(0.9015),g:Lactobacillus(0.6200);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCGACACCGCGTGAGTGAAGAAGGG
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GTA
>OTU10087;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Rumi
nococcaceae(0.3544),g:Gemmiger(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTT
TTTCGGATTGTAAACTCCTATCGGCAGGGAAGATAATGACGGTACCTAACAAGAAAGCACCGGCTAACTACGTGCCA
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>OTU10091;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lach
nospiraceae(0.3884),g:Roseburia(0.0712);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAAGCCTGAAGCAGCGAAGTCGCGTGAGCGATGAAGTA
TTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAAATGACGGTACTTGACTAAGAAGCACCGGCTAAATACGTGCC
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AGTCTGATGTGAAAGCTCGGGGCTCAACCCCTGTACTGCGTTGGAAACTGTCGTGCTAGAGTGTCGTAGGTGTAAGT
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCAGCTTACTAGTCGTTTA
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>OTU10092;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9928),o:Lactobacillales(0.9730),f:Lactob
acillaceae(0.9480),g:Lactobacillus(0.9566);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
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AAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAGTTATTGGGCGTA
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.9940),f:"Fusobacteriaceae"(0.9294),g:Fusobacterium(0.4351);

GGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGTGGGGGGGAGGGGGTGTGGGGGGGCGAT
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>OTU10093;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9784),o:"Bacteroidales"(0.
9707),f:"Prevotellaceae"(0.9015),g:Prevotella(0.5720);

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9389),f:"Prevotellaceae"(0.7787),g:Prevotella(0.6200);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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nococcaceae(0.4563),g:Intestinimonas(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGTCGCGTGAAGGAAGAAGGC
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2359),f:"Prevotellaceae"(0.0710),g:Alloprevotella(0.0157);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGGCTGAACCAGCCAAGTAGCGTGCAGGATGACGGT
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1249),f:"Prevotellaceae"(0.0149),g:Prevotella(0.0066);
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0473),f:"Marinilabiaceae"(0.0113),g:Anaerophaga(0.0056);
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riales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Parapedobacter(0.0056);

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5766),f:"Prevotellaceae"(0.2524),g:Alloprevotella(0.0230);
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nococcaceae(0.4224),g:Gemmiger(0.0519);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGCGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGGC
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3959),f:"Prevotellaceae"(0.1872),g:Alloprevotella(0.0204);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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9389),f:"Prevotellaceae"(0.7787),g:Prevotella(0.4787);

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GAGTGGGTAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAA
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.9172),f:"Fusobacteriaceae"(0.7068),g:Fusobacterium(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGGAAAATGGACCAAAAGTCTGATCCAGCAATTCTGTGTGCACGATGACGGT
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8303),f:"Prevotellaceae"(0.4914),g:Prevotella(0.0712);
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CGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCTGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGC
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riales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Parapedobacter(0.0056);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
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AGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAG
GGTGCGTAGGCTGTGCGTCAAGTCGGGGTTGAAATTCGGGGCTCAACCCGGTAAAGCCGTTGAAACTGGCGGTCTT
GAGTAGCGGCGAGGCATGCGGAATGCGAGGTGTAGCGGTGAAATGCATAGATATCACTCAGAACACCGATTGCGAA
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8955),f:"Prevotellaceae"(0.7068),g:Prevotella(0.2607);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGCGAGCCTGAACCAGCCAAGTAGCGTGCGGGATGAAGGC
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acillaceae(0.8146),g:Lactobacillus(0.6681);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
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7252),f:"Prevotellaceae"(0.3544),g:Prevotella(0.0712);
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9389),f:Bacteroidaceae(0.6709),g:Bacteroides(0.5239);
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CGTAGATGGATGGTTAAGTCAGTAGTGAAAGTTTGGGGCTCAACCGTGAAATTGCAGTTGATACTGGATGTCTTGAG
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4652),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0181);

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>OTU10112;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Lachnospiraceae(0.0355),g:Clostridium_XlVa(0.0087);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGACGGT
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AAGTTGGATGTGAAAGGTCAAGGCTTAACCTGGGCACTGCATCCAAAACTGGAGTTCTTGAGTGTAGGAGAGGTGA
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>OTU10105;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Lachnospiraceae(0.5632),g:Clostridium_XlVa(0.3915);
AAGGGAGGAAGAAGGGGGGAAGAGGGGAAAAGGGGGGAAAGAGGGATGAAGCGAAGCCGAGTGAGTGAAGAA
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>OTU10115;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.6138),f:"Prevotellaceae"(0.1872),g:Prevotella(0.0519);

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9606),f:"Prevotellaceae"(0.8864),g:Prevotella(0.5720);
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acillaceae(0.7787),g:Lactobacillus(0.6681);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGAAGGAGCAACGTCGCGTGAGTGAAGAAGGT
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acillaceae(0.9294),g:Lactobacillus(0.6681);
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7252),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0712);

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5766),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0230);
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acillaceae(0.9201),g:Lactobacillus(0.8124);
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.9941),f:"Fusobacteriaceae"(0.9108),g:Fusobacterium(0.1299);
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>OTU10124;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Lach
nospiraceae(0.4224),g:Blautia(0.1299);

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6881),f:"Prevotellaceae"(0.3204),g:Prevotella(0.0615);
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00),f:Leptospiraceae(0.0000),g:Leptospira(0.0000);
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nospiraceae(0.8864),g:Coprococcus(0.7162);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGAAAACCCTGATGCGGCGACCCCGCTGGAGCGAAGAAGTA
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riales"(0.0291),f:Sphingobacteriaceae(0.0073),g:Solitalea(0.0039);
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acillaceae(0.3204),g:Lactobacillus(0.0712);
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6138),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0204);
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0781),f:Prolixibacteraceae(0.0149),g:Prolixibacter(0.0066);
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0781),f:"Prevotellaceae"(0.0252),g:Prevotella(0.0076);
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6881),f:"Prevotellaceae"(0.3544),g:Prevotella(0.0712);
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>OTU10135;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Bacilli(0.9840),o:Lactobacillales(0.8846),f:Lactob
acillaceae(0.6709),g:Lactobacillus(0.3043);
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nococcaceae(0.3544),g:Saccharofermentans(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
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acillaceae(0.0560),g:Lactobacillus(0.0134);
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1719),f:"Porphyromonadaceae"(0.0710),g:Barnesiella(0.0110);
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0413),f:Prolixibacteraceae(0.0099),g:Prolixibacter(0.0046);
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cteriaceae(0.3884),g:Eubacterium(0.1735);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
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nococcaceae(0.2184),g:Ruminococcus(0.0615);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGT
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6881),f:"Prevotellaceae"(0.3204),g:Prevotella(0.0904);
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8846),f:"Prevotellaceae"(0.7787),g:Prevotella(0.3479);
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nococcaceae(0.2864),g:Gemmiger(0.0423);
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cteriaceae(0.2864),g:Eubacterium(0.0808);
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nococcaceae(0.1291),g:Oscillibacter(0.0157);
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9063),f:"Prevotellaceae"(0.6709),g:Prevotella(0.4787);
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illales(0.8412),f:Acetobacteraceae(0.6709),g:Acetobacter(0.1735);
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nospiraceae(0.1872),g:Dorea(0.0519);
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rionales(0.9606),f:Desulfovibrionaceae(0.8864),g:Bilophila(0.5720);
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>OTU10186;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Bacilli(0.9784),o:Lactobacillales(0.9389),f:Lactob
acillaceae(0.9015),g:Lactobacillus(0.6200);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGCCTGATGGAGCAACGCCGCGTGAGTGAAGACGGG
TTTCGGCTCGTAAAGCTCTGTCGGTAGTGAAGAAAGTTAGAGGTAGTAACTGGCCTTCATTTGACGGTAATTACTTAG
AAAGCCACGGCTAACTACGTGCCCGAAGCCGCGGTAATATGACGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAA
AGCGAGTGCAGGCGGTTCAATAAGTCTGAGGTGAAATCCTTCGGCTCAACCGAAGAATTGCATCAGAAACTGTTGAA
CTTGAGTGCAGAAGAGGAGAGTGGAACTCCGTGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGC
GAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU10189;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9736),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.
7995),f:"Prevotellaceae"(0.3884),g:Prevotella(0.1299);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCGGGACGACGGC
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GCGTAGGCCGTCTGTTAAGCGAGATGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGGAAGACTTG
AGTGCGGAGGAAGTAGGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATGGCGAA
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>OTU10188;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.6138),f:"Prevotellaceae"(0.3204),g:Prevotella(0.0423);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGAAGTCCGAACCAGCCAAGTAGCGTGCAGGAAGACGGCCCTATGGGTTGTAAACTGCTTTTATGTGGGAATAAAGTGAGGGACGTGTCCTGTTTTGTAGGTACCACATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGCTGGGCAAGCGTGACGTGAAATGTAGTCGCTCAACGTTTGCACTGCGGCGCGAACTGGCCATCTTGAGTGCGCGCAACGTTGGCGGAATTCGCGGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCTGACGAGTGCGTAACTGACGCTAATGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU10192;tax=d:Bacteria(0.0058),p:Cyanobacteria/Chloroplast(0.0000),c:Cyanobacteria(0.0000),f:Family_XI(0.0000),g:GpXI(0.0000);

CTCGAAGGCGTCGCCAGCGATCACCGGAGTAGTTGCAATGGTAATAAGACGACCAATCTGACCAGCAAGGAAGCCCCGATGGGAACGGTCATGCGGCATACGCTCGGCGCCAGTTTGAATATTAGACATAATTTATCCTCAAGTAAGGGGCCGAAGCCCCTGCAATTAAAATTGTTGACCACCTACATACCAAAGACGAGCGCCTTTACGCTTGCCTTTAGTACCTCGCAACGGCTGCGGACGACCAGGGCGAGCGCCAGAACGTTTGTGACCTTTAGAAATTACATCAATCCGTCTGCACGTAATTGTTGACGCACGTGTTCGTCTGCGT

>OTU10191;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9835),c:Fusobacteriia(0.9719),o:"Fusobacteriales"(0.8846),f:"Fusobacteriaceae"(0.6350),g:Fusobacterium(0.1299);

ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGACCAAAACTCTGACCCAGCAATTCTGTGTACACGATGACGGTCTTAGGTTGTTAAAGTGCTTTCAATTGGGAAGAAAAAAATGACGGAACCAATAGAAGAAGCGACGGCTAAATACGTGCCAGCAGCCGCGTTAATACGTATGTCGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGGGTCTAGGTGGTTGGGTAAGTCTGATGTGAAAATGCGGGGCTCAACTGCGTATTGCGTTGGAAACTGCCTAACTAGAGTATCGGAGAGGAGAGCGGAACTACCAGTGTAGAGGTGAAATTCGTAGATATTTGTAGGAATGCCAATAGAGAAGTCAGCTCACTGGACGAATACTGACACTGAAGCGCGAAAGCATGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU10190;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9719),o:"Bacteroidales"(0.8846),f:"Prevotellaceae"(0.5991),g:Prevotella(0.0808);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATACGGGGATAAAGTGAGCCACGTGTGGCTTATTGCAGGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGGAGGATAAGCGTGTTGTGAAATGTCGGGGCTCAACGTGTGAGTTGCGTCGCGAACTGGCAGACTTGAGTGAGTAGGAAGTAAGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTGGCGGTAGCGTAACTGACGCTGAAGCTCGAAGGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU10195;tax=d:Bacteria(0.0024),p:"Thermodesulfobacteria"(0.0000),c:Thermodesulfobacteria(0.0000),o:Thermodesulfobacteriales(0.0000),f:Thermodesulfobacteriaceae(0.0000),g:Caldimicrobium(0.0000);

TTCTCCTGCTTCTCACCTTCTTGACGGCTTCCCATTCATTCAGGAACCGCCTTCTGGTGCTTTGCAAGAACTCGTCCTTC
TTCTCCACCATGCTTATGACCAGTGTTTCCAGTCCGTTCAGTTGTTGCAGTGGAATAGTCAGGTTAAATTTAATGTGAC
CGTTTATCGCAATCTGCCGACCACTCGCGATTCAATCATGACTTCGTGATAAAAGATTGAGTGTGAGGTTATAACGCC
GAAGCGGTAAAAATGGTAATTTTTGCCGCGGAGGGGTTGAACAAGCGAAGCGCGGTAGGTTTTCTGCTTAGGAGGT
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>OTU10193;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9740),o:"Bacteroidales"(0.
9172),f:"Prevotellaceae"(0.8146),g:Prevotella(0.5239);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCACGTAGCGTGCAGGACGACGGC
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AGCGTAGGCCGTCTTATAAGCGTGATGTGAAATGGCGGGGCTCAACCTGGGCATTGCAGCGGGAACTGGGAGGCTT
GAGTGCGGAGGAAGTAGGCGGAATTCGGCGTGGAGCGGTGAAATGCTTAGATATGAAGAAGAACTCCGATTGCGA
AGGCAGCCTGCTGTAGCGCAAATGACGCTGAAGCTCGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU10194;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9605),c:Betaproteobacteria(0.7881),o:Burkholder
iales(0.3959),f:Sutterellaceae(0.2184),g:Sutterella(0.0519);
ACGGGAGGCAGCAGTGGGGAATTTTGGACAATGGGGGCAACCCTGATCCAGCCATGCCGCGTGCAGGATGAAGGC
CTTCGGGTTGTAAACCTCTCTTTTTAGGGACGTAAAGGACCGTGTTAATACCATGTTCTGCTGACGGTATCTGAAGAA
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AGCGTGCGCAGGCGGTTCTGTAAGAGAGAGGGAAAAGCCCCGGGCTAAACCTGGGAATTGCGTTTGTGACTGCAAG
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>OTU10196;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9740),o:"Bacteroidales"(0.
9172),f:"Prevotellaceae"(0.7787),g:Prevotella(0.2607);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTATGGGTTGTAAACTGCTTTTATACGGGGATAAAGTGGCTCACGTGTGGCTTATTGCAGGTACCGCATGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCGGTCTGTTAAGCGTGATGTGAAATGTCGGGGCTCAACCTCGGAATTGCAGCGCGAACTGGCAGACTT
GAGTGGGCAGGAAGTAGGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAA
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>OTU10198;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9321),o:"Bacteroidales"(0.
8412),f:"Prevotellaceae"(0.4224),g:Prevotella(0.0808);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGC
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GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCCGTTTGTTAAGCGTGTTGTGAAATGTCGGGGCTCAACGTGGGAATTGCGGCGCGAACTGGCAAACTT
GAGTGAGTAGGAAGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAA
GGCAGCCTGCAGTAGCGCTACTGACGCTAAAGCTCGAAAGTGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU10197;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9711),o:"Bacteroidales"(0.
8737),f:"Prevotellaceae"(0.6350),g:Prevotella(0.1299);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGC
CCTATGGGTTGTAAACTGCTTTTATACGGGGATAAAGTGAGCCACGTGTGGCTTATTGCAGGTACCGTATGAATAAG
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AGCGTAGGCGGTCTGTTAAGCCAGTTGTGAAATGTCGGGGCTCAACCTGAGCATTGCAGCTCGAACTGGCAGACTTG
AGTGCACAAGAAGTGGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAGGAACTCCGATTGCGAAG
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>OTU10199;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Euba
cteriaceae(0.2184),g:Eubacterium(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAACCCTGATGCAGCGAAGCCGCGTGCGCGAAGACGTA
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GCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCGGCTTACGGGACGA
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>OTU10201;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.
9606),f:"Prevotellaceae"(0.8505),g:Prevotella(0.6681);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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>OTU10202;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.
9606),f:"Prevotellaceae"(0.9015),g:Prevotella(0.4787);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGTGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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GCGTAGGCTGTCTTATAAGCGTGTTGTGAAATGTAGGTGCTCAACCTGGGCATTGCGGCGCGAACTGTGAGGCTTGA
GTGCGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGG
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>OTU10200;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9762),o:Lactobacillales(0.9063),f:Lactob
acillaceae(0.7428),g:Lactobacillus(0.3479);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTT
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>OTU10204;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9736),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.
3959),f:"Prevotellaceae"(0.1485),g:Prevotella(0.0157);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGT
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AGCGCAGGCCGCCGGGCAAGCGTGATGTGAAATGCTGGCGCTCAACGTGTGCGCTGCAGCGCAAACTGGCCAGCTA
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15),f:Veillonellaceae(0.0355),g:Selenomonas(0.0087);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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AGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAA
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>OTU10206;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.
8520),f:"Prevotellaceae"(0.5991),g:Prevotella(0.0808);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACGAGCCAAGTAGCGTGAAGGAAGACGGC
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GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
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>OTU10205;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.
7995),f:"Prevotellaceae"(0.5991),g:Prevotella(0.2607);
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GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
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GAGTGCGCAGGAAGTAGGAGGAATTCGTAGTGTAGCGGTGAAATGCATAGATATGACGAAGAACTCCGATTGCGAA
GGCAGCCTGCTGTAGCGCAACTGACGCTGAGGCTCGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA
>OTU10207;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9802),c:"Bacteroidia"(0.6346),o:"Bacteroidales"(0.
3639),f:"Prevotellaceae"(0.1485),g:Prevotella(0.0134);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGTC
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AGCGCAGGCCGCCGGGCAAGCGTGTTGTGAAATGCAGGGGCTCAACGTGTGCACTGCAGCGCGAACTGCCAAGCTT
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>OTU10211;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.
9389),f:"Prevotellaceae"(0.8505),g:Prevotella(0.5239);
ACGGGAGGCAGCAGTGAGGAGTATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
CCTATGGGTTGTAAACTGCTTTTATGGGGGGATAAGGGTTGCAACGTTGGGAATATTGCAGTTACCCTATGAATAAG
GACCGCCTAATTCCGTGCCGGCCGCCCGGGAAGTCCGGAAGTTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
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>OTU10210;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9719),o:"Bacteroidales"(0.
8846),f:"Prevotellaceae"(0.6709),g:Prevotella(0.1735);

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GACCGGCTAATTCCGTGCCAGCAGCCGTGGTAATACGGAAGGTCCGGGCCTTATCCGGATTTATTGGGTTTAAAGGG
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>OTU10208;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Bacilli(0.9462),o:Lactobacillales(0.8520),f:Lactob
acillaceae(0.7068),g:Lactobacillus(0.4787);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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acillaceae(0.2184),g:Lactobacillus(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGC
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>OTU10212;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Bacilli(0.7497),o:Lactobacillales(0.4652),f:Lactob
acillaceae(0.2864),g:Lactobacillus(0.0615);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGG
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AAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAA
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>OTU10214;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8520),f:"Prevotellaceae"(0.5991),g:Prevotella(0.2171);

ACGGGAGGCAGCAGTGAGGAATCTTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAAGGGAATACAGTGAGCCTCGTGAGGCTTTTTGCATTTACCTTATGAATAATGACCGGCTAATTCCGTTCCATCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGGAGATTAGGCGTGATGTGAAATGTAGATGCTCAACATCAGAAGTGCAGCGCGAACTGGGTGACTTGAGTACGGAAAAGGTGAGCGGAACTCGAGGTGTAGCGGTGAAATGCTTAGATATAACGAAGAACTCCGATTGCGAAGGCAGCTGACTGGAGCGCAACTGACGCTGAAGCTCGAAAGTACGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU10213;tax=d:Bacteria(0.9450),p:"Proteobacteria"(0.3448),c:Alphaproteobacteria(0.1159),o:Sneathiellales(0.0413),f:Sneathiellaceae(0.0099),g:Sneathiella(0.0046);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGTGGAAACTCTGACCCAGCCATGCCGCGTGAGTGAAGAAGGTTTTCGGATTGTAAAGCTCTTTCGGACAGGAAGATAATGACGGTACTGTCTAAATAATCCCCGGCTAACTTCATTCCGGCAGCCGCGGTACTACGCCAGGGGCGGGCGTTGTTCGGAATTACTGGGCGTAAAGGGTGTGTAGGCGGCATAATAAGATAGCTGTGAAATACCTGGGCTTAACCTAGGAACTGCCGTTGTTACTATTAAGCTAGAGTGATAGAGAGGATAGTGGAATTCCCAGTGTAGAGGTGAAATTCGTAGATATTGGGTAGAACACCAGTTGCGAAGGCGAGTATCTGGCGAGTAACTGACGCTGATGCACGAAAGCATGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU10215;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9719),o:"Bacteroidales"(0.8846),f:"Prevotellaceae"(0.7068),g:Prevotella(0.1735);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGACTGAACCAGCCAAGTAGCGTGCAGGATGACGGCTCTATGGGTTGTAAACTGCTTTTATACGAGGATAAAGTGGGCCACGTGTGGCTTATTGCAGGTACCGTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCAGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTGTTAAGCGTGTTGTGAAATGTCGGGGACAAACCTGGGCATTGCAGCGGGAACTGGCACACTTGAGTGCACGGGAAGTAGGCTGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACACCGATTGCGAAGGCAGCCTGCTGTAGTGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU10216;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:"Bacteroidia"(0.1159),o:"Bacteroidales"(0.0547),f:"Porphyromonadaceae"(0.0113),g:Barnesiella(0.0056);

ACGGGAGGCAGCAGTGAGAAATATTGGTCAATGGGCGGAAGACTGAACCAGCCATGTCGCGTGAAGAACTAAGGCCCTACGGGTCGTAAACTTCTTTAGACGCAGAGCAATAAGGTCCACGCGTGGACCGATGAGAGTATGCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCGGCCGAGTAAGTCAGCGGTGAAAGACCGGGGCTCAACCCTGGAAGTGCCTATGGTACTGTTTGGCTGGAATGATCCCGCCGCGGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCACTCAGAACACCGATTGCGAAGGCAGCTCTAGAGGCGTCCATTAACGCTCAATCTCGAAAGCGAGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU10217;tax=d:Bacteria(1.0000),p:Firmicutes(0.9994),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Lachnospiraceae(0.6350),g:Roseburia(0.3915);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAGAAATGACGGTACCTGACTAAGAAACACCGGCTAAATACGTGCCTGCAGCCGCGGTAATACGTATGGTGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGAAGGCTAAGTCTGATGTGAAAGCCCGGGGCTCAACCCGGGAACTGCTTTGGAAACTGTTCGTCTGGAGTTTCGGAGGGGAAAGTGGAATTCCTAGGGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTCCTGGACGATAACTGACGTTGAGGCTCGAAGGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU10218;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9887),o:Lactobacillales(0.9172),f:Lactobacillaceae(0.7787),g:Lactobacillus(0.5239);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCCGTTGTTGGTGAAGTAGGCTAGAGGTCGTAACTGGCCTTTATTTTACGGTATTCAACCAGAAAGTCACGTCTAACTCCGTGCCAGCAGCCGCGGTGATACGTACGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAGATAAGTCTAATGTGAAAGCCCTCGGCTTAACCGTGGAACTGCATCGGGAACTGTTGTTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTAGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU10219;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4652),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0326);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGCAGGAAGACGGTCCTATGGGTTGTAAACTGCTTTTATACGGGGACAAAGTGGGCCACGCGTGGATCATTGCAGGTACCGTATGAATAAGGACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTGTTAAGCGTGTTGTGAAAGGGCGTGGCTCAACCAGGGCATTGCAGCTGGAACTGGCAGTCTTGAGTGCGCAGGAAGTAGGCGGAATTTGTGGTGTAGCGGTGAAATGCTTAGATATGACAAAGAACACCGATTGCGAAGGCAGCCTGCTGTGGCGTAACTGACGCTGAGGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU10220;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:"Bacteroidia"(0.5195),o:"Bacteroidales"(0.2679),f:"Prevotellaceae"(0.0904),g:Alloprevotella(0.0157);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCAAGTCGCGTGCAGGATGACGGCCCTCCGGGTTGTAAACTGCTTTTGTTTGAGAATAAACGCCGGTACGCGTCCCGGTTTGTATGTATCATCCGAAAAAGGACCGGCTAATTCCGTGCCAGCAGCCGCAGTAATACGGAGGATCCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCGGGCTGTTAAGTCAGTTGTGAAATACGGCGGCTCAACCGCGGGACTGCAGTTGATACTGGAAGGCTTGAGTGCGGACAGGGAAGCCAGAATTCATGGTGTAGCGGTGAAATGCACAGATATCATGAAGAACTCCGATCGCGAAGGCAGGCATCCGAGGCGTGACTGACGCTGAGGCTCGAAAGTGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU10223;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Bacilli(0.9733),o:Lactobacillales(0.5766),f:Lactobacillaceae(0.2864),g:Lactobacillus(0.0615);
ACGGAAGGCCGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATTGAGCAACGCCGCGTGAGTGAAGAAGGTCTTCTGATCGTAATGCTCTGCTTTTGGTGTAGACTCATAGAGTTCGTACCTGGCCTTTATTTGACGGTAATCAACCAGAAAGTCACGGTTACCTTCGTGCCAGCAGCTGCGGTAATACGTAGGTGGCAAGCGGTGTCCGGATTTATTTGGCGTAAAGCGAGCGGAGGCGGAAAAATAAGGCTAATGTGAAAGACCTCGGCTTAACCGGGGAACTGCATCAGAAACTGTTTTGCGTGAGTGCAGAGGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAAAACCAGTGGCGAGGGCGACTCACTAGGCTAAAACTGACGCTGAGGATCGAAAGCATGGGTAGCGAACAGGAGGAGATACCCTGGTA
>OTU10224;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachnospiraceae(0.1872),g:Clostridium_XlVa(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTATTTCGGTATGTAAACTTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGTCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGTAAGTCTGAAGTGAAAGCCCGGGGCTCAACCCCTGGACTGCTTTTGAAACTATGCAGCTAGAGTGTCTGAGAGGTAAGTCTAATTCCCCCTGTAGCGGTGCAATGCGTAGATATTGCGAGGAACACCAGTGTCGAAGGCCGCTTACTGTACGATGACTGACGTTGAGGCTCGAAATCGTCGGCAGCAAACAGTATTAGATACCCTGGTA
>OTU10222;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Ruminococcaceae(0.5273),g:Clostridium_IV(0.0519);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGACAGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTCTTAGGGACGAAGCAAGTGACGGTACCTAAGGAATAAACCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAGGTGGCAAGCGTTATCCGGATTTACTGGGGGTAAAGGGCGTGTAGGCGGGATTGCAAGTCAGATGTGAAAACCGCGGGCGCAAACTGTGGCCTGCATTTGAAACTGTAGTTCTTGAGTACTGGAGAGGTGGGCGGAAGTACTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGTCTGCTGGACAGCAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU10221;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9784),o:"Enterobacteriales"(0.8846),f:Enterobacteriaceae(0.8146),g:Escherichia/Shigella(0.3915);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTACTCATTGACGTTACCCGCAGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGCACGCAGGCGGTTTGTTAAGTCAGATGGGAAATCCCCGGGCTCAACCTGGGAACTGCATCTGATATTGGCAGGCTGGAGTCCCGTAGGGGGGGGTAGAATCCCAGGGGTAGCGGTGAAATGCGTAGAGATCGGGGGAAATACCGGT

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GTA
>OTU10225;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8628),c:"Bacteroidia"(0.5579),o:"Bacteroidales"(0.
2999),f:"Prevotellaceae"(0.0710),g:Prevotella(0.0110);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTAAGCCTGAACCAGCCAAGTAGCGTGAGGGATGACTGC
CCTACGGGTTGTAAACCTCTTTTGTTTGGGAATAAAGTGCGGGACGCGTCCCGCATTGCATGTACCATTTGAATAAGG
ACCGGCTAATTCCGTGCCCGCAGCCGCGGCAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGCAGGCCGTGGGTTAAGCGGGTCGTGAAATTCCGCCGCTCAACGGCGGACGGGCGGCGCGAACTGGTCCACTTG
AGTGCGCGGGACGTTGGCGGAATACGTGGTGGAGCGGTGAAATGCTTAAATATCACGAAGAACTCCGACTGCGAAG
GCAGCTGACGGTAGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGCATCGAACAGGATTAGATACCCTGGTA
>OTU10228;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Bacilli(0.9805),o:Lactobacillales(0.7995),f:Lactob
acillaceae(0.4914),g:Lactobacillus(0.2171);
ACGGGAGGCAGCAGTAGGGAATCTTCCTCAATGGACGCAAGTCTGATGGAGCAAAGCCGCGTGCGTGAAGAAGGA
TTTCGGATCGTTAAGCTCTGTTGATGGTGAAGTAGGATCGAGGCAGTAACTGGTCTTTATTTTACGGTATTCATCCAG
AACGTCACGGCTAACTACGTGCCCCCAGCCGAGGTAATACGTCGGTGGCAAGCGCTGTCCGGATTTATTGGGCGTAA
GGGGAGCGCAGGCGGGATGATAAGTCTGATGTGAAATCCCACGGCTCAACCGTGGAACTGCATCGGAAACTGGCAT
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>OTU10229;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9604),o:"Bacteroidales"(0.
8629),f:"Prevotellaceae"(0.5273),g:Prevotella(0.2171);
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CCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGTAGGCCGTCTTATAAGCGGGGGGTGAAAAGTCGGGGCTCAACATGGGCAGTGCAGCGCGAACTGGGAGACTTG
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>OTU10227;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9507),c:"Bacteroidia"(0.8472),o:"Bacteroidales"(0.
6509),f:"Prevotellaceae"(0.4563),g:Prevotella(0.2607);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAGTGAAGAAGGC
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CGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGT
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AGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGT
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bacteriales"(0.2679),f:Enterobacteriaceae(0.1291),g:Escherichia/Shigella(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
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GTA
>OTU10231;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Lach
nospiraceae(0.5273),g:Blautia(0.3043);
ACGGGAGGCAGCAGTGGGAAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTA
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GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTACGAAGAACACCAGTTGCGAAGGCGGCTTACAAGACGATG
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6881),f:"Prevotellaceae"(0.3204),g:Alloprevotella(0.0615);
ACGGGAGGCAGCAGTGAGGAAGATTGGTCAATGGTCGCGAGACTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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GGGAGCGTAGGCGTGTTATTAAGCCAGTTGTGAAAGGCTGAGGCTCAACCGTAGAACTGCAGTTGCAGCTGGAAGC
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>OTU10233;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9887),o:Lactobacillales(0.9280),f:Lactob
acillaceae(0.8864),g:Lactobacillus(0.7162);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
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GAAAGTCACGGCTAACTACGTGCCAGCAGCCGAGGTAATACGAAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGT
AAAGCGAGCGCAGGCGGAAAAATAAGCCTAATGTGAAAGCCCGCGGCTTAACCGAGGAACTGCATCGGTAACTGTT

TTTCTTGAGTGCCGATGCGGAGAGTGGAACTCCTAGTGTAGCGGTGGAATGCTTAGATATATGGAAGAACACCGGTG
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>OTU10234;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.
9606),f:"Prevotellaceae"(0.8146),g:Prevotella(0.6681);

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AGTACGCACAAAGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAG
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>OTU10230;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Bacilli(0.9755),o:Lactobacillales(0.9063),f:Lactob
acillaceae(0.7428),g:Lactobacillus(0.3043);

AGGGAAGGAAGAAGGGGGGAAGAGGGGGAAAGGGGAGAAAGAAGGAAGGAGAAAAGGAGAGTGAGGGAAGAA
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CCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGC
GTAAAGCGAGCGCAGGCGGTTACTTAAGTCTGATGTGAAAGCCTTCGGCTTAACCGAAGAAGTGCATCGGATACTGT
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TGTA

>OTU10235;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9740),o:"Bacteroidales"(0.
9172),f:"Prevotellaceae"(0.7787),g:Prevotella(0.3043);

ACGGGAGGCAGCAGTGAGGAATATTGCTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGC
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ACCGGGTAGTTCTGTGACAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCGGGATTTATTGGGTTTAAAGGG
AGCGTAGGCCGTCTGTTAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGGCAGACTTG
AGTGCGCAGGAAGGAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAG
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>OTU10236;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.
5766),f:"Prevotellaceae"(0.3204),g:Prevotella(0.0423);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATTCGGAAGGACCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG

AGCGCAGGCCGCCGGGCAAGCGAGTGGTGAAATGCAGTCGCTCAACGTCTGAACTGCAGCGCAAACTGCACAGCTT
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>OTU10237;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9441),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.
3959),f:"Prevotellaceae"(0.1291),g:Prevotella(0.0134);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
CCTCCGGGTTGTAAACTGCTTTTAGTTGGGAATAAAGTGCGGGACGTGTCCCGTTTTGTATGTACCATCTGAATAAGG
ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
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>OTU10238;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Rumi
nococcaceae(0.6709),g:Oscillibacter(0.3479);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGACGCAAGTCTGACCCAGCAATGCCGCGTGAAGGAAGAAGGC
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AGCAGCCGCGGAAATACGTAGGGGTCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGTCCGATA
AGTCAGATGTGAAATCCGCGGGCTTAACCCGCGAACTGCATTTGAAACTGTTAGTCTTGAGTATCGGAGAGGTCAGC
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>OTU10239;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Lach
nospiraceae(0.1872),g:Eisenbergiella(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATCCAGCGACGCCGCGTGAGCGAAGAAGTC
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acillaceae(0.1291),g:Lactobacillus(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGACCAAAAGTCTGATCCAGCAATTCTGTGTGCACGATGACGGT
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GAAAGTCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGCAGGTGGCAAGCGTCGTCCGGATTTATTGGGCGTA
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"(0.0473),f:Flavobacteriaceae(0.0113),g:Flavobacterium(0.0056);
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9497),f:"Prevotellaceae"(0.8505),g:Prevotella(0.4787);
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9821),f:"Prevotellaceae"(0.9666),g:Prevotella(0.8605);
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>OTU10245;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9866),o:Lactobacillales(0.8737),f:Lactob
acillaceae(0.6709),g:Lactobacillus(0.5239);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGTGTGAAGAAGGTT
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9280),f:"Prevotellaceae"(0.7787),g:Prevotella(0.4351);
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>OTU10249;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Lach
nospiraceae(0.1679),g:Clostridium_XlVa(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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GGAATTCCTAGTGTAGAGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTAACTGGACGATA
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7995),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0808);
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acillaceae(0.4914),g:Lactobacillus(0.2171);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCCACGCCGCGTGAGTGAAGAAGGTT
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6881),f:"Prevotellaceae"(0.4224),g:Prevotella(0.0519);
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.1719),f:"Fusobacteriaceae"(0.0710),g:Fusobacterium(0.0134);
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6138),f:"Prevotellaceae"(0.3204),g:Prevotella(0.0519);
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acillaceae(0.6709),g:Lactobacillus(0.4787);
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5395),f:"Porphyromonadaceae"(0.1872),g:Parabacteroides(0.0230);
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8412),f:"Prevotellaceae"(0.4563),g:Prevotella(0.1299);
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7995),f:"Prevotellaceae"(0.5273),g:Prevotella(0.0712);
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0781),f:"Marinilabiaceae"(0.0149),g:Anaerophaga(0.0066);
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0291),f:"Marinilabiaceae"(0.0073),g:Anaerophaga(0.0039);
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acillaceae(0.1679),g:Lactobacillus(0.0181);
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7995),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0808);
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(0.0000),f:Promicromonosporaceae(0.0000),g:Promicromonospora(0.0000);
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.9843),f:"Fusobacteriaceae"(0.6350),g:Fusobacterium(0.0712);
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nospiraceae(0.0000),g:Clostridium_XlVb(0.0000);
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GCACCAACAGAAACAACCTGAGTAGCGGCGTGGACAGATGTAGCCATCTGAAGGCAATGAAGAAAACCAACATTAC
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.9937),f:"Fusobacteriaceae"(0.9916),g:Fusobacterium(0.3043);
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CGGAATTACAAGTGTAGAGGTGAAATTCGTAGATATTTGTAGGAATGCCGATGGGGAAGCCAGCCAACTGGACAGA
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9685),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);
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9063),f:"Prevotellaceae"(0.7428),g:Prevotella(0.2607);
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GCGTAGGCCGGCTGTTAAGCGTGTAGTGAAATGTCGGGGCTCAACCGGGGCATTGCGGCGCAAACTGGCAGACTTG
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6509),f:"Prevotellaceae"(0.3204),g:Prevotella(0.0615);
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AGCGTAGGCCGGGGAGTAAGCGTGTAGGGAAAGGTAGGTGCCCAACATCGGCACTGCAGCGGAAACTGGATGCCT
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4280),f:"Prevotellaceae"(0.1485),g:Alloprevotella(0.0181);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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GAGCGTAGGCGGGCTATTAAGTCAGCTGTGAAATCCAGGGGCTCAACCGTCGAACTGCAGTGGATACTGGTGGTCTT

GAGTGCGCGCAGGGGCGGTGGAATTCGTGGTGTAGCGGTGAAATGCTCAGATATCATGAAGAACTCCGATCGCGAA
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7995),f:"Prevotellaceae"(0.4914),g:Prevotella(0.0808);
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TGCGCAGGAAGTAGGAGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGC
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>OTU10273;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Lach
nospiraceae(0.5991),g:Blautia(0.3479);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATCCGGCGATGCCGCGTGAAGGAAGAAGTA
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es(0.0000),f:Anaplasmataceae(0.0000),g:Ehrlichia(0.0000);
GTCCGGATTGTTCAGTACCTTGACTCCTGATTTCTTCCCTCTTCGTGGTTGCACAGCATCGGACTCAGATAGTAATCCA
CGCTCTTTTAAAATGTCAACAAGAGAATCTCTACCATGAACAAAATGTGACTCATATCTAAACCAGTCCTTGACGAACG
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acillaceae(0.6709),g:Lactobacillus(0.3479);
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TTCGGATCGTAAAGCTCTGTCGTTGGTGAAGATGGTTAGAGGTAGTAACTGGCATTCCTCTGACGGCAACCAACCAG
AAAGCCCCGGCTAACTACGTGCCAGAAGCCGCGGCAATATGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAA
AGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCCTCGGCTTAACCGGGGAATTGCATCGGAAACTGTATTT
CTTGAGTGCAGGAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGC
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>OTU10276;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9736),c:"Bacteroidia"(0.8755),o:"Bacteroidales"(0.7252),f:"Prevotellaceae"(0.4563),g:Prevotella(0.0904);

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>OTU10280;tax=d:Bacteria(0.0024),p:"Acidobacteria"(0.0000),c:Acidobacteria_Gp1(0.0000),g:Gp1(0.0000);

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>OTU10279;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:"Bacteroidia"(0.0726),o:"Bacteroidales"(0.0473),f:"Porphyromonadaceae"(0.0113),g:Barnesiella(0.0056);

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>OTU10278;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9887),o:Lactobacillales(0.9172),f:Lactobacillaceae(0.8146),g:Lactobacillus(0.5720);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGCAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATTGTAAAGCTCTGTTGTTGATGAAGAAGGATCGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAGAACGTCACGGCTAACTACGTGCCAGCAGCCGCGGTCATACGTACGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAGATAAGTCTAATGTGAAAGCCCGAGGCTTAACCGATGAACTGCATCGGAAACTGGTTTTCTTGAGTGAAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCACTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU10282;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9776),o:"Bacteroidales"(0.9685),f:"Prevotellaceae"(0.9108),g:Prevotella(0.6200);

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nospiraceae(0.1872),g:Roseburia(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAAAGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGAA
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acillaceae(0.5632),g:Lactobacillus(0.2171);
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GCGAGCGCAGGCGGAAAAATAAGTCTAATGTTAAAGGCCGCTGCTTAACCGAGGAACTGCCTCGGAAACGGTTTTG
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6881),f:Bacteroidaceae(0.3204),g:Bacteroides(0.0904);
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GTGCTGCAGAGGCAGGCGGAATTTGTAGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGG
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>OTU10284;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lach
nospiraceae(0.2524),g:Fusicatenibacter(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCAGCGTGAGGGATGAAGTA
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CAGCAGCTGCGGTAATACGTAGGGGGCAAGTGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCATGGC
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GCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTACTGGACGA
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9606),f:"Prevotellaceae"(0.8146),g:Prevotella(0.5239);
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8737),f:"Prevotellaceae"(0.6709),g:Prevotella(0.1735);
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>OTU10287;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.
9063),f:"Prevotellaceae"(0.8146),g:Prevotella(0.2607);
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AGCGTAGGCCGTCTGTTAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGGCAGACTTG
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9685),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);
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acillaceae(0.7068),g:Lactobacillus(0.5239);
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7252),f:Bacteroidaceae(0.3204),g:Bacteroides(0.0904);
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8303),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0712);
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>OTU10290;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Rumi
nococcaceae(0.2524),g:Pseudoflavonifractor(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGGTCAATGGGGGAAACCCTGAACCAGCAACGCCGCGTGAAGGAAGAAGGC
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CAGCCGCGGTAATACGTAGGGAGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGCCGACAA
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8412),f:"Prevotellaceae"(0.5273),g:Prevotella(0.0904);
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acillaceae(0.9015),g:Lactobacillus(0.5239);
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>OTU10295;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Rumi
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.0781),f:"Fusobacteriaceae"(0.0252),g:Fusobacterium(0.0076);
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bacteriales"(0.9497),f:Enterobacteriaceae(0.9294),g:Escherichia/Shigella(0.6681);
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6138),f:"Porphyromonadaceae"(0.1098),g:Parabacteroides(0.0204);
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acillaceae(0.3544),g:Lactobacillus(0.0615);
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1719),f:"Porphyromonadaceae"(0.0710),g:Parabacteroides(0.0157);
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8846),f:"Prevotellaceae"(0.5991),g:Prevotella(0.4351);
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5023),f:"Prevotellaceae"(0.1098),g:Prevotella(0.0204);
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9606),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);
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nospiraceae(0.1872),g:Fusicatenibacter(0.0519);
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6509),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0326);
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3959),f:"Prevotellaceae"(0.1291),g:Alloprevotella(0.0157);
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359),f:Erysipelotrichaceae(0.1098),g:Holdemania(0.0204);
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"(0.0781),f:Flavobacteriaceae(0.0252),g:Ornithobacterium(0.0076);
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ridiaceae_1(0.1098),g:Clostridium_sensu_stricto(0.0204);
ACGGGAGGCAGCAGTAAGGAATATTGGGCAATGGAGGCAACTCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
CCTCGGGTTGTAAACTTCTGTTATCAGGGAAGAAGATAGTGACGGTACCTGATGAGAAAGCTCCGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTGACTGGGCGTAAAGGGAGTGTAGGCGGATTTT
TAAGTGAGATGTGAAATACTCGGGCTTAACCTGAGTGCTGCATTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAG
AAGGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACG
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>OTU10349;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8808),c:"Bacteroidia"(0.7114),o:"Bacteroidales"(0.
4280),f:Bacteroidaceae(0.2184),g:Bacteroides(0.0615);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
CCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGCATACCCGTTTGCATGTACTTTATGAATAAGG
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGAATTACTGGGTGTAAAGGGT

GCGTAGGCGGCAGAACAAGTCAGATGTGAAATACATAGGCTTAACCTATGAACTGCATTTGAAACTGTACTGCTTGA
GTGAAGTAGAGGCAGGCGGAATTCCCTGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAG
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>OTU10350;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Clost
ridiales_Incertae_Sedis_XII(0.0355),g:Acidaminobacter(0.0087);
ACGGGAGGCAGCAGTAGGGAATATTGGGCAATGGGCGCAAGCCTGAACCAGCAACGCCGCGTGAGGGATGAAGGT
TCTCGGATTGTAAACCTCTGTCTTATGTGACGAAGGAAGTGACGGTAGCAGAGGAGGAAGCCTCGGCCAACTACGTG
CCAGCAGTCGTGGTAATACGTAGGGGGCGAGAGTTGTCCGGAATTACTGGGTGTAAAGGGTGCGTAGGCGGTTTGG
TAAGTTGGATGTGAAATACCCGGGCTTAACTTGGGGGCTGCATCTAATGCTGTCGGACTTGAGTGCAGGAGAGGAA
AGCGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACCCCGGTGGCGAAGGCGGCTTTCTGGACT
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>OTU10351;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Lach
nospiraceae(0.1872),g:Ruminococcus2(0.0423);
CCTTTCTTCCTCCTTTTTTCCTCTTTTTCCCTTTTCTCCCGCCTGCCCCCTCGACGCCGCGTGAAGGAAGAAGGCCCTCG
GGTTGTAAACTTCAGTCCACAGGGAAGAAGAAAATGACGGTACCTGCCTAAGAAGCCCCGGCTAACTACGTGCCCGC
AGCCGCGGTCATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAGAGGCAAG
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GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAA
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>OTU10352;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.
9389),f:Bacteroidaceae(0.5991),g:Bacteroides(0.4351);
CCTTTCTTCCTCCTTTCTTCCTCTTTTTCCCTTTTCTCTCGCCTGCACCCTCCAAGTAGCGTGAAGGATGACTGCCCTATG
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TAACTCCGTGCCAGCAGCAGCGTTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAG
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TTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCT
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>OTU10355;tax=d:Bacteria(0.0024),p:"Proteobacteria"(0.0000),c:Gammaproteobacteria(0.0000),g:Candida
tus_Carsonella(0.0000);
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GCATCGGACTCCTATAGTAATCCACGCTCTTTTAAAATGTCAACAAGAGAATCTCTACCATGAACAAAATGTGACTCAT
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CGTTAGTTGATGGCGAAAGGTCGCAAAGTAAGAGCTTCTCGAGCTGCGCAAGGATAGGTCGAATTTTCTCAGGTTAC
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rcinales(0.0000),f:Methanosarcinaceae(0.0000),g:Methanolobus(0.0000);
ACAACCAACCAGAACGTGAAACAGCGTCCTGCGTGTCTCGAACTGCGCTGGTCATACTGTAACCATAAGGCCACGTCT
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CGCATAACGTGCACCGCATGGAAATGAAGACGGCCATTAGCTGTACCATACTCAGGCACACAAAAATACTGATAGCA
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>OTU10353;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Rumi
nococcaceae(0.4563),g:Clostridium_IV(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
TTTCGGGTTGTAAACTTCTTTCCTTAGGGACGAAGCAAGCGACGGTACCTAAGGAATAAGCCACGGCTAACTACGCG
GCAGCAGCCGCGGTAATACGTAGGCGGCAAGCGTCATCCGGATTTACTGGGTGTAAAGGGTGAGTAGGCGGGGTTG
CAAGTCAGATGTGAGAACCACGGGCTCAACCTGTGTCCTGCATTTTAAACTGTAGTTCTTGAGTACTGGAGAGGCAG
ACGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGATCTGCTGGACAG
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>OTU10358;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lach
nospiraceae(0.3884),g:Clostridium_XlVa(0.1735);
ACGGGAGGCAGCAGTAGGGAATATAGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGG
TTTTCGGATTGTAAACCTCTGTCGCAGAAGACGAAGGAAGTGACGGTACCATAGGAGGAAGCCCCGGCTAACTACGT
GCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTGA
GACAAGTCTGAAGTGAAATCCCGGGGCTCAACCCCGGAACTGCTTTGGAAACTGCCTGACTAGAGTGCAGGAGAGG
TAAGTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGA
CTGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU10357;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Rumi
nococcaceae(0.1872),g:Clostridium_IV(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGGTCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
TTTCGGGTTGTAAACTTCTTTTTTCAGGGACGAGAAGAAGACGGTACCTGACGAATAAGCTACGTCTAACTACGTGCC
CGCAGCCGCGGTAATACGTAGGGTGCAAGCGTTGTCCGGATTTACTGGGTGTAACGGGCGTGTAGGCGGAGGAGCA
AGTCAGATGTGAAATCCCGGGGCTTAACCGCGGAATTGCATTTGAAACTGTTACCCTTGAGTATCGGAGAGGCAAGA
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGATA
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>OTU10359;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Rumi
nococcaceae(0.1679),g:Clostridium_III(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
CTTCGGGTTGTAAACCTCTTTTATCAGGGACGAAGGACGTGACGGTACCCGGTGAAAAAGCAACGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGGAG
TAAGTCAGGTGTGAAATCCCGGGGCTTAAGCGCGGAACTGCATTTGAAACTGTTTGCCTTGAGTATCGGAGAGGCAA
GCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTGCTGGGCGA
CAACTGACGCTGAGGCGCGAAGGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU10356;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Rumi
nococcaceae(0.0710),g:Clostridium_IV(0.0134);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
TTTCGGATTGTAAACCTCTGTCGCAGAAGACGAAGGAAGTGACGGTATTCTGTGAGGAAGCCCCGGCTAACTACGTG
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GCGGAATTCCCGGTGTAGCGGTGGAATGCGTAGAGATTGGGAGGAACACCAGTGGCGAAGGCGACTTACTGGGCC
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>OTU10360;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Erysipelotrichia(0.2902),o:Erysipelotrichales(0.1
249),f:Erysipelotrichaceae(0.0457),g:Turicibacter(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
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GTCTGATGTGAAAGCCCACGGCTTAACCGTGGAGGGTCATTGGAGACTGGTCGACTTGGGGGGAGAAGGGGGAAG
GGGAATTCCATGTGTAGCGGTTAAATGCGTAGGGATATGGAGGAACACCAGTGTCGAAGGCGGCTTCCTGGGCTGT
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>OTU10361;tax=d:Archaea(0.0024),p:"Euryarchaeota"(0.0000),c:"Methanomicrobia"(0.0000),o:Methanosa
rcinales(0.0000),f:Methanosarcinaceae(0.0000),g:Methanolobus(0.0000);
CAGGCACCCAAAAATACTGATAGCAGTCGGCGTGTGAATCCTTAGCCTTGCGACCCTCGGCAGCAAGAACCATACGA
CCCATATCACGACAATAGTCACGCAAAGCATTGGGATTATCATAAAACGCCTCTAATCCGTCGTCAGCCAACGTGAGA
GTGTCAAAAACGATAAACCAACCATCAGCATGAGCCTGTCGCATTGCATTCATCAAACGCTGAATAGCAAAGCCTCTA
CTCGATTTCATAGTGGAGGCCTTCAGCAATCTTGAACACTCATCCTTTATACCTGTCTTTTTGGGGTAATTATACTCATC
GCGAATAGCCTTAAGAGGGCGTTCAGAAGCCAGCTTGCGGCAAAACTGCGTAACCGGCTTCTCGTTCTCTAAAAACC
ATTTTTCGT

>OTU10362;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.9762),o:"Bacteroidales"(0.9497),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCACGTAGCGTGAAGGATGACTGCCCTAGGGGTTGTAAACTTTTTTTATAAAGGAATAAAGTCGGGTATGCTTACCCGTTTGCCTGTACTTTATGAATACGGATCGGCTCACTCCTTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGATGTTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAAGTGCAGTTGATACTGGATATCTTGAGTGCAGGTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCGTAGATATCACGAAGAACACCGATGGCGAAGGCAGCCTGCTAAGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU10363;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Clostridiaceae_1(0.0457),g:Clostridium_sensu_stricto(0.0110);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCGCAGAAGACGAAGGAAGTGACGGTATTCTGTGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGAGCGTAGGCGGTCTTATAAGTTGGATGTGAAATACCCGGGCTTAACCTGGGGGGTACATCCTATACTGTTGGTCTAGAGTACAGGGGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATTCCGAGAAATTCGGAGGAACAACGGTGGCGAAGGCGGCTTTCTGGACTGCAACTGACGCTGAGGCTCGAAAGCGTTGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU10364;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9474),c:Betaproteobacteria(0.5195),o:Burkholderiales(0.2679),f:Comamonadaceae(0.1098),g:Roseateles(0.0204);

ACGGGAGGCAGCAGTGAGGAATTTTGGACAATGGGGGAAACCCTGATCCAGCCATGCCGCGTGCGGGAAGAAGGCCTTCGGGTTGTAAACCGCTTTTGTCAGGGACGAAAAGTCGTATTTTAACAAAGTACGTTGCTGCCGGTACCTTACGAATAAGCACCGGCTAACTACGTGCCATCACCCGCGGTAATACGTATGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGTGCGCAGGCGGTTGGATAAGACAAATGTGAAATCCCCGGGCTTAACCTTGGAATCGCTTTTGAGACTGCCTGACTGGAGTATGAAAGAGGATGGAGGAATTCCACGTGTAGAAGTGAAATGCGTAGATATGTGGAAGAACACCGATGGCGAAGGCAGCCACCTGGTGCAAATCTGACGCTCATGCGCGAAGGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU10365;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Ruminococcaceae(0.3544),g:Intestinimonas(0.0519);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGGAAGTGACGGTACCTGGGGAAGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGATGCAAGTCAGATGTGAAATCTCAGGGTTTAACCCTGAAACTGCTTTTGAAACTGAAGCCCTTGAGTATAGGAGAGGAAGGCGGAATTACTGGTGTAGCGGTGAAATGCGTAGAGATCAGTAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU10366;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachnospiraceae(0.2524),g:Dorea(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCACAAAGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTATCTCGGTATGTAAACTTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTTTGCAAGCCAGATGTGAAAGCCCGGGGCTCAACCCCGGGACTGCAGTTGGAACTGGAATGCTAGAGTGTCGGAGAGGCAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTATGTGGAAGACCAGTCGAGCAGCGGGCTCTCCGCACTATGCCTGACCGTCGCTTTTGCGATCGACGGGAGCCAGCAGGATTAGATACCCTGGTA
>OTU10370;tax=d:Bacteria(0.0076),p:"Tenericutes"(0.0000),c:Mollicutes(0.0000),o:Mycoplasmatales(0.0000),f:Mycoplasmataceae(0.0000),g:Mycoplasma(0.0000);
AATAAAAAAATGAATGGTTATCGAACAAGCCAGCAATAATAACTTTATTATTTTCATAAGCTCCATCCACTAAAATGCTGGAGATATAAAAAATGAACCAAACGGCTTCTTTGGCCCATACTTAGGTTTGGGGTGTAGAATCTTAGTCATAAGATCTATGCCGAGTCATGTGCTGGCCACATACTTAATGATACAAAAAGCTATATTTTCATCTTTTCTCTTGCGACTTTTGATGCATCTGCCAAGTACATCGTAATGATAACCGGCGACGAAGATGCCTGTTTTGGTTTCAACTTGCGCTTTGATGAGCTTGTTGCAGTCGTCG
>OTU10371;tax=d:Bacteria(0.0024),p:"Proteobacteria"(0.0000),c:Gammaproteobacteria(0.0000),o:Thiotrichales(0.0000),f:Thiotrichaceae(0.0000),g:Thiothrix(0.0000);
CTTTATCCGCGGCAGACTTGCCACCCCGTCCACCCACATCAAGTAACTTATCAGAACCGGCCGAAGTGCCAGCCTGCAACGTACCTTCAAGACGTCCTTTACCAGCTTTAGCCATAGCACCAGAAACAAAACTAGGGACGGCCTCATCAGGGTTAGGAACATTAGAGCCTTGAATGGCAGATTTAATACCAGCATCACCCATGCCTACAGTATTGTTATCGGTAGCAAGCACATCACCTTGAATGCCACCGGAGGCGGCTGTTTGACCGCCTCCAAACAAGGTAGTCATGGCGCCACCAGCAAGAGCAGAAGCAATACCGCCAGCAATAGC
>OTU10368;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.3448),c:Betaproteobacteria(0.1740),o:Burkholderiales(0.0781),f:Comamonadaceae(0.0252),g:Schlegelella(0.0076);
ACGGAAGGCAGCAGTGAGGAATTTTGGACAATGGGGGAAACCCTGATCCAGCCATGCCGCGTGCGGGAAGAAGGCCTTCGGGTTGTAAACCGCTTTTGTCAGGGACGAAAAGTCGTATTTGAACAAAGTACGATGCTGACGGTACCTGAAGAATAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGTGTGTAGGCGGGCTCGCAAGTTGGATGTGTAATACCCAGAGCTTAACTCGGGTGCTGCATCTGAAACTACGAGTCTTGAGTGTCGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCGGCTCTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU10369;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Lachnospiraceae(0.3544),g:Dorea(0.0808);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGGC
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GCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGATTTACGGGGTGTAAAGGGAGCGTAGGCGGCTTTGCAA
GCCAGATGTGAAAGCCCTGGGCTCAACCTCGGGACTGCATTTGAAACTGTAAGGCTAGAGTGTCGGAGAGGCAAGT
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>OTU10367;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.6346),o:Clostridiales(0.2999),f:Rumi
nococcaceae(0.1485),g:Intestinimonas(0.0134);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAATGC
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CAGCACCCGCTCTAATCCGTCGGTTGCAATCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGGAGCA
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>OTU10372;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Rumi
nococcaceae(0.3544),g:Ruminococcus(0.0904);

ACGGAAGGCAGCAGCGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGT
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GCAGCAGCGGTAATACGTATGGAGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGAAGAGCAA
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>OTU10374;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9784),o:"Bacteroidales"(0.
9707),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
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ACAGTAGAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAGTGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCA
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>OTU10373;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Lach
nospiraceae(0.4224),g:Dorea(0.1299);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGCAACTCTGATCCAGCGACGCCGCGTGAAGGATGAAGTA
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CAGCCGCGGTATTACGTCGGGGGCAAGCGCTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTTTGCAAG
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>OTU10375;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8808),c:"Bacteroidia"(0.4045),o:"Bacteroidales"(0.
1719),f:"Prevotellaceae"(0.0710),g:Prevotella(0.0134);
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nococcaceae(0.4224),g:Clostridium_IV(0.0423);
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bacteriales"(0.8955),f:Enterobacteriaceae(0.8505),g:Escherichia/Shigella(0.4787);
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rionales(0.0000),f:Desulfovibrionaceae(0.0000),g:Desulfovibrio(0.0000);
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1719),f:"Prevotellaceae"(0.0710),g:Prevotella(0.0157);
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6138),f:Bacteroidaceae(0.1679),g:Bacteroides(0.0423);
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nococcaceae(0.0149),g:Clostridium_III(0.0066);
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ridiaceae_1(0.0086),g:Clostridium_sensu_stricto(0.0043);
CCTTTCTTCCTCCTTTTTTCCTCTTGCGCCCTGGCGGCCACTCTGACGCAGCCATGCCGCGTGAGTGATGAAGGCCTTC
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5766),f:"Porphyromonadaceae"(0.3544),g:Coprobacter(0.0423);
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0413),f:Prolixibacteraceae(0.0099),g:Prolixibacter(0.0046);
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>OTU10412;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Rumi
nococcaceae(0.0710),g:Hydrogenoanaerobacterium(0.0157);
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nococcaceae(0.0252),g:Clostridium_III(0.0076);
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ridiaceae_2(0.0086),g:Alkaliphilus(0.0043);
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1719),f:"Porphyromonadaceae"(0.0710),g:Parabacteroides(0.0157);
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ridiales_Incertae_Sedis_XVII(0.0000),g:Sulfobacillus(0.0000);
ACGTTCTGGCGCTCGCCCTGGTCGTCCGCAGCCGTTGCGAGGTCCTACCGGCAAGCGTCCAGGCGCTCGTCTTTGGTA
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nococcaceae(0.1872),g:Ruminococcus(0.0326);
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8955),f:"Rikenellaceae"(0.8505),g:Alistipes(0.7643);
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nococcaceae(0.2524),g:Clostridium_III(0.0423);

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ostreptococcaceae(0.0086),g:Clostridium_XI(0.0043);
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nococcaceae(0.2524),g:Papillibacter(0.0204);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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CCAGCAGCCGCGGTAATACGTAGGCTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGATG
CAAGTAGGGTGTGAAATCCATGGGCTCAACCCAGGAGCTGCTTTCAAGACGGTATCCCTTGAGTGTCGGAGAGGCAA
TCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGAAACACCAGTGGCGAAGGCGGCTTGCTGGACGA
CAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGAATTAGATACCCTGGTA
>OTU10431;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8472),o:"Bacteroidales"(0.
6509),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0423);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGCAGGCCGCCGGGCAAGCGGGGTGTGAAATTGAGTCGCGGAACGTGTGCAGTGTAGCGCGAACTGCCAGGCT
TGAGTGCGCGGAACGTTGGCGGAATTCGCCGTGTAGCGGTGAAAGGCTTAGAGATGGCGAAGAACTCCGATTGCGA
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>OTU10434;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Bacilli(0.9856),o:Lactobacillales(0.8737),f:Lactob
acillaceae(0.7068),g:Lactobacillus(0.2171);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGTGCAACACCGCGTGAGTGAAGAAGGGT
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ACGGAAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGAATGATGAAGGC
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>OTU10432;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Rumi
nococcaceae(0.1485),g:Intestinimonas(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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AGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGTGTAGGCGGCAGTACA
AGTCAGGAGTGAAAACTTGGGGCTGAACCCCAAGACTGCTTTTGAAACTGTACAGCTAGAGTGTAGGAAGGGCAAG
CGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGAT
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ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAAGGGAATAAAGTGAGCCTCGTGAGGCTTTTTGCATGTACCTTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGGAAGCAAGTCAGATGTGAAAACCAGTGGCTCAACCACTGGCCTGCATTTGAAACTGTTTTTCTTGAGTGTCGGAGAGGTTGACGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGTCAACTGGACGATAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU10437;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Bacilli(0.9604),o:Lactobacillales(0.7995),f:Lactobacillaceae(0.5273),g:Lactobacillus(0.3479);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGCCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATCTGACGGTAATCAACCAGAAAGTGACGGCTAACTACGTGCCAGCAGCCACGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTGATTGGGCGGAAAGCGAGCGCAGGCGGAAAAATAAGTCTAGAGTGAAAGCCCTCGTGTTAACCGGGGAACTGCATCGGAAACTGGTTGTCTTGAGTGCAGGAGAGGAGAGCGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAGGAACACCAGTGGCGAAGGCGGCTCTCTGGACTGCAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU10436;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9892),o:Lactobacillales(0.9389),f:Lactobacillaceae(0.8864),g:Lactobacillus(0.7643);

AAGGGAGGAAGAAGGAGGGAAGCGGGCGCAAGGGAGGCACGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGCAACTGGCCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTCTTGGGCGTAAAGCGAGCGCAGGCGGAAAAATACGTCTAATGTGAAAGCCCGCGGCTGAACCGAGGAACTGCATCGGAAACTGTTGTTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTTGAATGCGTAGATATAGGGAGGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU10439;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.5174),c:"Bacteroidia"(0.0626),o:"Bacteroidales"(0.0413),f:"Rikenellaceae"(0.0099),g:Alistipes(0.0046);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCCGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCCTATGGGCTATGAACCGCTTTTGCCTGGGGGCAATAATGGCGCCGCGCACGTCCGATGAGAGTACCAGGCGAATAAGCATCGGATAACTCCGTGCCAGCAGCCGCGGTAATTCGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCTGTGCGTCAAGTTGGGGGTGAAATTCCGGTGCTCAACCCCGGAGCTGCACTGGATACTGTCGCGCTG

GAGTTACGATGGCGGCGGAGGAATTAGTGGTGTAGCGGTGAAATGCTTAGATATCACTCAGAACACCGATTGCGAA
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nococcaceae(0.3544),g:Ruminococcus(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGACGTA
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>OTU10441;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Bacilli(0.7881),o:Lactobacillales(0.4652),f:Lactob
acillaceae(0.1872),g:Lactobacillus(0.0519);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGTGTGAAGAAGGTC
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CTTGAGTCAAGTGGAAGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAGGAACTCCGATTGC
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bacteriales"(0.8955),f:Enterobacteriaceae(0.8505),g:Escherichia/Shigella(0.4787);
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ridiales_Incertae_Sedis_XIII(0.0113),g:Mogibacterium(0.0056);
ACGGGAGGCAGCAGTGGGGAATATTGTATAATGGGGGAAACCCAGATGCAGCAACGCCGCTTGAAGGAAGAAGGC
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nospiraceae(0.0904),g:Parasporobacterium(0.0157);
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ridiaceae_1(0.5273),g:Clostridium_sensu_stricto(0.1735);
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9497),f:"Prevotellaceae"(0.8505),g:Prevotella(0.5720);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGCGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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acillaceae(0.5632),g:Lactobacillus(0.2607);
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nococcaceae(0.3884),g:Ruminococcus(0.0904);
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ridiaceae_1(0.4563),g:Clostridium_sensu_stricto(0.1299);
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1249),f:"Prevotellaceae"(0.0252),g:Prevotella(0.0076);
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ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGAGGAAACTCTTACCCAGCAATGCCGCGTGAGTGATGAAGGTCTTATGGATTGTAAAGCTCTTTGATTAGGGACGAATAAAATGACGGTACCTAAAGAACAAGCCCCGGCTAACTATGTGCCAGCAGCCGCGGTAATACATAGGGGGCGAGCGTTGTCCGGAATTACTGGGGGTAAAGGGAGCGCAGGCGGGACAGCAAGTTGGATGTGAAATACCGAGGCTTAACCACGGAGCTGCATCCAAAACTGTTGTTCTTGAGTGAAGTAGAGGTAGGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU10509;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lachnospiraceae(0.3544),g:Coprococcus(0.0808);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGACGACGGATTTCGGTATGTAAACTTCTATCAGCAAGGAAGATGATGACGGTACTTGACTAAGAAGCCCCTGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGCGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCCGTGCAAGTCAGAAGTGAAAGCCCGGGGCTCAACCCCGGGACTGCTTTTGAAACTGTAAAGCTAGAGTGTCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAATACCAGTGGCGAAGGCGGCTTACTGGACGGTCAATGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU10513;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9769),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4652),f:"Prevotellaceae"(0.1679),g:Prevotella(0.0181);

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>OTU10514;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9348),c:"Bacteroidia"(0.5579),o:"Bacteroidales"(0.2999),f:"Porphyromonadaceae"(0.1291),g:Parabacteroides(0.0134);

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>OTU10515;tax=d:Bacteria(1.0000),p:Firmicutes(0.9994),c:Bacilli(0.9897),o:Lactobacillales(0.9606),f:Lactobacillaceae(0.9108),g:Lactobacillus(0.5720);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACATGCGTGCGCGTAACTGTTCACGCAGTGACGGTATCCAACCAGAAAGTCCCGGCTCACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTGCTTAGGTCTGACGTGAAAGGTTTGGGCTTAACCGGAGAAGTGCATCGGAAACTGGGCGACTTGAGTGCAGAAGAGGACAGTGGAACGCCATGTGTAGCGGTGGAATGCGTAGATATAAGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCGACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU10516;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Bacilli(0.5963),o:Lactobacillales(0.3319),f:Lactobacillaceae(0.1485),g:Lactobacillus(0.0326);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATCTGACGGTAATCAACCAGAAAGTGCCGGCTCACTACGTGCCAGCAGCTGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGGGGATTAAGCGTGTTGTGAAATGTAGACGCTCAACGTCTGCACTGCGGCGCGAACTGCCCAGCTTGAGTGCGCGCAACGTTGGCGGAATTCGCCGTGTAGCGGTGAAATGCTTAGATATGGCGAAGAACTCCGATTGCGAAGGCAGGTGACGGGTGCGTAACTGACGCTCATGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
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>OTU10518;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:Sphingobacteriia(0.2321),o:"Sphingobacteriales"(0.1015),f:Sphingobacteriaceae(0.0355),g:Parapedobacter(0.0087);
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>OTU10519;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.
7995),f:"Prevotellaceae"(0.4224),g:Prevotella(0.0615);
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6881),f:"Prevotellaceae"(0.3544),g:Prevotella(0.0519);
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>OTU10521;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:Sphingobacteriia(0.1159),o:"Sphingobacte
riales"(0.0547),f:Sphingobacteriaceae(0.0149),g:Parapedobacter(0.0066);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGAGGGAACTCTGAACCAGCCATGCCGCGTGGAGGAAGAAGGT
CCTATGGGTTGTAAACTCCTTTTGTTCCGGAGTAATAAGTGCCTTGCGAGGCACGATGAGAGTACGGGACGAATAAG
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>OTU10523;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.
5766),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0423);
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0473),f:Marinilabiliaceae(0.0113),g:Alkalitalea(0.0056);
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5395),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0230);
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(0.9911),f:Corynebacteriaceae(0.9852),g:Turicella(0.9566);
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9685),f:"Prevotellaceae"(0.9108),g:Prevotella(0.7162);
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7252),f:"Prevotellaceae"(0.1872),g:Prevotella(0.0519);
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.9889),f:"Fusobacteriaceae"(0.8505),g:Fusobacterium(0.3915);
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5766),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0423);
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acillaceae(0.9015),g:Lactobacillus(0.7162);
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7623),f:"Prevotellaceae"(0.4224),g:Prevotella(0.0423);
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2679),f:"Prevotellaceae"(0.0457),g:Prevotella(0.0110);
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nospiraceae(0.6709),g:Clostridium_XlVa(0.4787);
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bacterales(0.9497),f:Helicobacteraceae(0.8864),g:Helicobacter(0.5720);
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8412),f:"Prevotellaceae"(0.5991),g:Prevotella(0.1299);
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AGATCGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACACCGATTGCGAAG
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>OTU10536;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.6899),c:Alphaproteobacteria(0.4045),o:Rickettsial
es(0.1719),f:Anaplasmataceae(0.0560),g:Ehrlichia(0.0134);
ACGGAAGGCAGCAGTGGGGAATATTGGACAATGGGCGAAAGCCTGATCCAGCCACGCCGCATGAGTGAAGAAGTA
CCTTGGGTTGTAAAGCTCTATTAGCAAGGAAGATAATGACGGTACTCAACGAAGAAGTCCTGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGGAGAGGGCTAGCGTTATTCGGAATTATTGGGCGTAAAGGGCGCGTAGACGGATTAGTAA
GTTAAAAGTGAAATCCCAAGGCTCAACCTTGGGAGTGCATTGAAAACTGCTAATCTAGAGAGTGAAAGAGGAAAGA

GGAATTCCTAGTGTAGAGGTGAAATTCGTAAATATTAGGAGGAACACCAGTGGCGAAGGCGTCTTTCTGGTTGAAAA
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>OTU10539;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8897),o:"Bacteroidales"(0.
7623),f:"Prevotellaceae"(0.4224),g:Prevotella(0.0326);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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GACCGGCTAATTCCGTGCAAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTAGTGGGTTTAAAGG
GAGCGCAGGCGGCCGGGCAAGCGTGTTGTGAAATGCAGGCGCTCAACCTCTGCACTGCAGCGCGAACTGCAGAGCT
TGAGTGTGCGAAACGTTGGCGGAATTCGAAGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGA
AGGCAGCTGACGGGAGCGTAACTGACGCTGATGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU10542;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.9180),o:"Bacteroidales"(0.
8303),f:"Prevotellaceae"(0.4563),g:Prevotella(0.0615);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCATGATGACGGC
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GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTACTGGGTTTAAAGGG
AGCGTAGGCCGTCTGTTAAGCGTGTTGTGAAATGTCCGGGCTTAACCTGGGCATTGCAGCGCGAACTGGAAGACTTG
AGTGCGGAGGAGGTGGGGGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATGGCGAA
GGCAGCCCGCTGTAGCGTAACTGACGCTGAAGCTCGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU10543;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:"Bacteroidia"(0.1740),o:"Bacteroidales"(0.
0781),f:Marinilabiliaceae(0.0252),g:Alkalitalea(0.0076);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGAGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGCGGC
CCTATGGGCTGTGAACTGCTTTTGCATGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACCAGAGGAATA
AGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAG
GGTGCGTAGGCTGTGCGTCAAGTCAGGGGTGAAATGTCGGGGCTCAACCCCGGGTCTGCCCTTGATACTGGCGCGCT
GGAGTGCGGATGCCGCCTGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACTCAGAACACCGATTGCGA
AGGCAGCTTGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA
>OTU10541;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9704),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.
3319),f:"Prevotellaceae"(0.0904),g:Prevotella(0.0087);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGC
CCTATGGGCTGTAACCTGCTTTTATACGGGGATAAAGTGGGCCACGTGTGGCTTATTGCAGGTACCGTATGTATATGG
CCCGGCTCATTCTGTGCCAGCAGCCGCGGTCATACGGCAGGTTCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGCAGGCCGCCGGGCAAGCGAGTTGTGAAATGCAGTCGCTCAACGTCGGAACTGCAGCGCGAACTGCCCAGCTTG

AGTGCGGGCAACGTTGGCGGAATTCGGCGTGTAGCGGTGAAATGCGTAGATATGGCGAAGAACTCCGATTGCGAAG
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>OTU10544;tax=d:Bacteria(0.0041),p:"Acidobacteria"(0.0000),c:Acidobacteria_Gp6(0.0000),g:Gp6(0.0000);
CCCACGGCGTCCATCTCGAAGGAGTCGCCAGCGATCCCCGGAGTAGTTGAACTGGTAATAAGACGACCAATCTGACC
AGCAAGGCAGCCACGATGGGAAAGGTCATGCGGCATACGCTCGGCGCCAGTTTGAATATTAGACATAATTTATCCTC
AAGTAAGGGGCCGAAGCCCCTGCAATTAAAATTGTTGACCACCTACATACCAAAGACGAGCGCCTTTACGCTTGCCTT
TAGTACCTCGCAACGGCTGCGGACGACCAGGGCGAGCGCAAGAACGTTGTTTAACTTTAGACATTACATCACTCCTTC
TGCACGTAAGTTTGGACGCACGGGTGCTGCTGCGTCAGGAAGAACGTCAGTGTTTCC
>OTU10540;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Bacilli(0.9791),o:Lactobacillales(0.9497),f:Lactob
acillaceae(0.8864),g:Lactobacillus(0.5720);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGCGTGAAGACGGC
TCTCTGCTCGTAAAACTCTGTTGTTGAAGAAGAACGTTCGTGAGCGTAACTGCTCACGCATTGACGGTATTCAACCAG
AAAGTCACGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAA
AGCGAGCGCAGGCGGTTACTTAAGTCTGATGTGAAAGGCTTCGGCTTAACCGAAGAGGTGCATCGGAAACTGGGGG
ACTTGAGTGAAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCGGTGG
CGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGT
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>OTU10545;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.
9389),f:"Prevotellaceae"(0.8505),g:Prevotella(0.5239);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCTAAGTAGCGTGCAGAATGACGGC
CCTATGGGTTGTAAACTGCTATTATAGGGGGTTAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATAAG
AACCGGCTAATTCCGTGCAAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCCGTCTTATAAGCGTGTAGTGAAATGTCTGGGCTCAACCTTGGCATTGCAGCGCAAACTGTGAGACTTG
AGTGCGCAGGAGGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCGTAAATATGACGAAGAACTCCGATTGCGAAG
GCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU10546;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9933),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.
5023),f:"Prevotellaceae"(0.1872),g:Prevotella(0.0204);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGAC
CCTATGGGTTGTAAACCGCTTTTATCGGGGGATAAAGTGGGCCACGTGTGCCCTTTTGAAGGTACCGCATGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGGTTAAAGG
GAGCGCAGGCCGCCGGGCAAGCGTGGTGTGAAAGGCAGTGGCTCAACGTCGGCACTGCAGCCCGAACTGGCGAGC
TTGAGTGCGTGCAAGGTTGGCGGAATTCGCTGTGTAGCGGTGAAATGCTTAGATATGGCGAAGAACTCCGATTGCGA
AGGCAGCTGACGGGTGCGTAACTGACGCTCATGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU10547;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9572),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4652),f:"Porphyromonadaceae"(0.2184),g:Barnesiella(0.0230);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGTCCTATGGATTGTAAACCTCTTTTATCAGGGAGCAAAGGCAGTCACGGGTGACTGAAAGGAGAGTACCTGAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGAAAGTTAAGTCAGCGGTAAAATCGAGAGGCTCAACCTCTTTCAGCCGTTGAAACTGGCTTTCTAGAGTGAGTGAGAAGTACGCGGAATGCGAGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACTCCAATTGCGAAGGCAGCGTACCGGCACTCAACTGACGCTGAAGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU10548;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Bacilli(0.9798),o:Lactobacillales(0.8303),f:Lactobacillaceae(0.5273),g:Lactobacillus(0.0904);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAACGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTCTCGGCTCGTTAAACCCCGTTGTTGGAGAAGAACGTACGTGTGAGTAACTGCTCACGCAGTGACGGTATGCAACCACATAGTCACGCCCAACTACGTCCCAGCAGCCGCGGCAATACGTAGGTGGCATGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTGCTTAGGTCTGATGTGAAAGCCTTCGGCTTAACCGGAGAAGTGCAACGGATACCGGGGGACTTGAGTGCAGAAGAGGAGAGTGGAACGCGAAGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACGAGTTGCGAAGGCGGCTGTCTGGTCTGCTACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU10549;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.6138),f:"Prevotellaceae"(0.1679),g:Prevotella(0.0326);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGAATGCCCTATGGGTTGTAAACTACTTTTACAGGAGGGTAAAGTGGTTCACGTGTGGCGTATTGCAAGTACCCTGTGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGATAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCGGGGGGTCAAGCGTGTTGTGAAATGCCGCGGCCCAACCGTGGTCGTGCAGTTGGAACTGGTTCTCTTGAGTGCGCACGAGGTCGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTGTCGGGTGCGTTACTGACGCTGAGGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU10550;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Ruminococcaceae(0.3544),g:Ruminococcus(0.1299);
ACGGAAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGTCTTCGGATTGTAAAGTTCTTTTATTAAGGACGATGATGTCACGGTCCTTAATGGATAAGCTCCGTATAACTACGTGCCCGCAGCTGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCAGAGCAAGTCAGATGTGAAATCCGTGGGCTTAACCCACGAGCTGCATTTGAAACTGTATGGCTTGAGTGAAGGAGAGGCAGAGGGAATTCCTTGTGTAGCGGTGAAATGCGTAGAGATAGGGAAGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTAACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU10551;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5023),f:"Prevotellaceae"(0.1291),g:Prevotella(0.0204);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTACAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATACGGGGATAAAGTGGGCCATGCGTGGCCTTTTGCAGGTACCTCATGAATAAGGATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTTCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATCGCTGGTCAAGCGTGTTGTGAAATGTTGCCGCTCAACGGCAGAATTGCAGCGCATACTGCACAGCTTGAGTGCAGTCAAGGTTGGCGGAATTCGCCGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTTACGAGTGTGTAACTGACGTTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU10553;tax=d:Bacteria(0.0041),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Clostridiales(0.0000),f:Syntrophomonadaceae(0.0000),g:Syntrophomonas(0.0000);

GCGAAACCCATCCGCGGCATTTAGTAGCGGTAAAGTTAGACCCTACCCTGACACCACCCTAACCATTATTGCCCGGCGTCCGGGGCAGGACGTCAATAGTCACACAGTCCTTGACGGTATAATAACCACCATCATGGCGACCATCCAAAGGATAAACATCATAGGCAGTCGGGAGGGTAGTCGGAACCGAAGAAGACTCAAAGCGAACCAAACAGGCAAAAAATTTAGGGTCGGCATCAAAAGCAATATCAGCACCAACAGAAACAACCTGATTAGAGGCGTTGACAGATGTATCCATCTGAAGGCAATGAAGAAAAACACCATTACAAGCATTAACCGTCAAACTATCAAAATATAACGTTGACGATGGAGCTTTAG

>OTU10556;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9908),o:Lactobacillales(0.9606),f:Lactobacillaceae(0.9015),g:Lactobacillus(0.6681);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCCGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAATCGCTGTTGTTGGTGAAGAAGGAGAGAGGGAGAAAATGGCCTTTAGTTGACGGTAATCAACCAGAAAGTAACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAGGGGGCAAGCGTTGGCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCCTCGGCTTAACCGGGGAACTGCATCGGATACTGTTTTTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU10555;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Bacilli(0.9462),o:Lactobacillales(0.7623),f:Lactobacillaceae(0.4914),g:Lactobacillus(0.2607);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCCGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGTGGCAGCAACTGGCCATTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAGATAAGTCTGAAGTGAAAACCCCCGGCTTAACCGGGGAACTGCTGCGGAAACTGGCCTTCTTGAGTGGAGAAGGGGGGGGTGGAACTCCGTGTGTTGCGGTGGAATGCGTAAGTATAGGGAAGAACACCAGTGGGAAAGGCGGCTCTCTGGTCTGCATCTGACGCCGAGGCTCGAAAGCATGGGGAACGAACAGGATTAGATACCCTGGTA

>OTU10554;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9871),o:Lactobacillales(0.8955),f:Lactobacillaceae(0.7428),g:Lactobacillus(0.5239);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCCGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAATCTCTGTTGTTGGTGATGAAGGTTAGAGGTCGTAACTGGCCTTTATTTGACGGTACTCAACCAGAAAGTCCCGTCTAACTACGTGCCCTCAGCCGCGTCAATACGTCGGTGGCTAGCGTTGTCCGGATTTAGTGGGCGTAAAGCGAGCGCAGGCGGAAAACTAAGTCTGATGTGAAAGCCCTCGGCTTAACCGAGGAACTGCATCGGAGACTGTTTTGCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU10552;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8808),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3319),f:"Prevotellaceae"(0.0560),g:Prevotella(0.0134);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCCGAACCAGCCACGTAGCGTGAGGGATGACTGCCCTATGGGTTGTAAACCTCTTTTATAAGGGAATAAATTACGGTACCTGTCCTGTTTTGCCTGTACCTTATCAATAAGGCCCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGTTCCGGGCGTTATCCGGGTTTATTGGGTTTAAAGGGAGCGCAGGCGGTCTTATAAGCGTGACGTGAAAAGCAGCGGGTCAACCGTAGGAAGTGCGTCGCGAACTGTGAGACTTGAGTGTAGTCGAGGTCAGCGGAATTTGTGGTGTAGCGGTGAAATGCGTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTGACAAGGCTACAACTGACGCTAAAGCTCGAAAGTGCGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU10559;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Lachnospiraceae(0.0560),g:Hespellia(0.0134);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGGGACGCCGCGTGAAGGATGAAGGATTTCGGTATGTAAACTTCTATCAGAAGGGAAGAAAATGACGGTACCTGACTAAAAAGCCCCGGCTAACTACGGGCCAGCAGCCGCGGTACTACGGAGGGGGCAAGCGTTATCTGGATTTACTGGGTGTAAAGGGCGTGCAGCGGGGTCTGCAAGTCAGAAGTGAAATCCCTGGGCTCAGGCCATGAACGGCATTTGAAACTGTAGATCTTGAGTGTCGGAGGGGCAATCGGAATTCCTAGTGGATCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAGGGCGGATTGCTGGACGATAACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU10557;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Clostridiaceae_1(0.1872),g:Clostridium_sensu_stricto(0.0519);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGTTTTCGGATCGTAAAGCTCTGTCTTTGGGGAAGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGTGTAGGCGGGAAAGTGGGTCAGATGTGAAATACCAAGGCTAAACCATGGAGCTGCATTTGAAACTGCTTTTCTTGAGAGTGGGAGAGGTAAGCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGATAACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU10558;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Peptostreptococcaceae(0.1098),g:Clostridium_XI(0.0204);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGGTCTTCGGATTGTAAACCTTTGTAGACAGGGAAGAAGAAAGTGACGGTACCTGTAAAGTAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGAGGTGAAAGGCTACGGCTTAACCGTAGTAAGCCTTTGAAACTGGGTTACTAGAGTGCAGGAGGGGTAAGCGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGAGGCGAAGGCGGCTTACTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU10563;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8808),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.3959),f:Bacteroidaceae(0.1679),g:Bacteroides(0.0423);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGAAGACTGCCCTATGGGTTGTAAACTTCTTTTATAAGGGAATAAAGTGCATCACGTGTGGTGTTTTGTATGTACCTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGCAGGTTAAGTCAGGCGCGAAATATATCGGCTCAACCGGTATCTGCGCTTGAAACTGCAGGTCTTGAGTGAAGTAGAGGTTGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCAACTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU10562;tax=d:Bacteria(0.9827),p:"Bacteroidetes"(0.4311),c:Sphingobacteriia(0.0525),o:"Sphingobacteriales"(0.0352),f:Sphingobacteriaceae(0.0086),g:Solitalea(0.0043);

ACGGAAGGCAGCAGTGAGGAATATTGGCCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTTCGATGAGAGTACCAGGCGAATAAGAATCGGCTAACCCGGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGGGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCTGTGCGTCAAGTCGGTGGTGAAATTCCGGTGCTCAACCCCGTGGCTGCCCTTGATACTGTCTCGCTTGAGTGCGGGTGCCGCCGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACTCAGAACACCGATTGCGAAGGCATCTGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA

>OTU10560;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Clostridiaceae_1(0.0904),g:Clostridium_sensu_stricto(0.0181);

ACGGGAGGCAGCAGTTAGGAATATTGGGCAATGGAGGAAACTCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTTTTCGGATTGTAAACTTCTGTTCTATGGGAAGAAGAAAGTGACGGTACCATAGAAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTAATCGGAATTACTGGGCGTAAAGCGTGCGCAGGCGGTTGGGTAAGACAGATGTGAAATCCCTGAGCTTAACTTAGGAATAGCATTTGTGACTGCTCGACTGGAGTGTGTCAGAGGGAGGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU10561;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Peptococcaceae_2(0.0457),g:Desulfotomaculum(0.0110);
ACGGAAGGCAGCAGTGGGGAACATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCGCAGAAGACGAAGGAAGTGACGGTATTCTGTGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGAGCGTAGGTGGTAATTTAAGTTAAATGTGAAAGCCCGGGGCTCAACTCCGGAATTGCATTTAATACTGGGTTACTAGAGTGCAGGAGGGGTAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGATAACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU10565;tax=d:Archaea(0.0024),p:"Euryarchaeota"(0.0000),c:Halobacteria(0.0000),o:Halobacteriales(0.0000),f:Halobacteriaceae(0.0000),g:Haladaptatus(0.0000);
TCCATAGCTGTGGTCGACGTCGTCCTTTGGCGCGAAAGCTCAGTCTCCGGAGGAAGCGGCGCAGTCCAAATGTTTTTGAGATGGCCGCAACGGCACCCATAACGAGCATCATCTTGATTAAGCTCATTAGGGTTAGCCTCGGTACGGTCAGGCATCCACGGCGCTTTAAAATAGTTGTTATAGATATTCAAATAACCCTGAAACAAATGCTTAGGGATTTTATTGGTATCAGGGTTAATCGTGCCAAGAAAAGCGGCATGGTCAAGATAACCAGTAGTGTTAACAGTCGGGAGAGGAGTGGCATTAACACCATCCTTCATGAACTTAATCCACGGTTCACCATAAACGTGACGATGAGGGACAGAAAAAGGAAAAATGTCG
>OTU10564;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.3448),c:Sphingobacteriia(0.0626),o:"Sphingobacteriales"(0.0413),f:Sphingobacteriaceae(0.0086),g:Solitalea(0.0043);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGAAGCCTGAACCAGCCATGCCGCGTGAAGGAATAAGGCCCTTTGGGTCGTAAACTCCTTTTGTGGTGGAGCTATAAGACCTACGCGCAGGTCGATGAGTGGACAACACGAATAAGCATCCGCCAATTCCGCGCCAGCAGCCGCGGTAATACGGAGGTTGTAAGCGTTATCCGGAATTATTGGGTTTAAAGGGTGCGTAGGCTGTTTCGCAAGTCAGAAGTGAAAGCCCGAGGCTCAACTCCGGAACTGCCTTTGATACTGCGAGGCTAGAATACGAAAGAGGTGAGAGGAATGAGCAGTGTAGCGGTGAAATGCGTAGATATTAGTCAGAACACCAGTTGCGAAGGCGTCTCACGAGTCCGTAATTGACGCTGAGGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA
>OTU10566;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Ruminococcaceae(0.4224),g:Clostridium_IV(0.0904);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCAGCGTGAAGGAAGAAGGCCTTCGGATTGTAAACTTTTTTCTTTGGTGAAATAAATGACGGTAGCCAAGGAGGATGCTCCGGCTAATTACGTTCCAGCAGCCGCGGTAATATGCAGGGAGCGAGCGTTGTCCGGATTTACTGGGTGTAAAGGGGGCGTAGGCGGAAGAGCAAGTCAGTAGTGAAATCCATGGGCTTAACCCGTGAACTGCTATTGACACTGTTCTTCTTGAGTGAAGTAGAGGTAGGCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGGCTTTAACTGACGCTGAGGCACGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU10567;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Ruminococcaceae(0.1098),g:Intestinimonas(0.0134);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGG
TCTTCGGATTGTAAACCTTTGTTGATAGGGACGATAATGATGGTACCTATCGAGGAAGCCACGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTCGGCGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGTGTAGGCGGGACTGCAA
GTCAGATGTGAAAATTATGGGCTCAACTGATAAACTGCAGTTGAAACTGTGGTTCTTGAGTGTAGGAGAGGTGATTG
GAATTCCTGGTGTAGCGGTGAAATGCGTAGATATCAGGAGGAACACCGATGGCGAAGGCAGATTACTGGACGGCAA
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>OTU10569;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9755),o:Clostridiales(0.9389),f:Lach
nospiraceae(0.7068),g:Fusicatenibacter(0.3915);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGCAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTAT
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CAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCCAGGCAA
GTCTGATGTGAAAACCCGGGGCCCAACCCCGGGACTGCATTGGAAACTGTCAGGCTAGAGTGCCGGAGAGGCAAGC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCCTGCTGGACGGTA
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>OTU10568;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9835),c:Betaproteobacteria(0.9462),o:Burkholder
iales(0.8412),f:Sutterellaceae(0.5632),g:Sutterella(0.3915);

ACGGGAGGCAGCAGTGGGGAATTTTGGACAATGGGGGTAACCCTGATCCAGCAACGCCGCGTGCAGGATGAAGGT
CTTCGGATTGTAAACCGCTTTTGTCAGGGACGAAAAGGACTGTGCTAATACCACGGTCCGCTGACGGTACCTGAAGA
ATAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTA
AAGCGTGCGCAGGCGGTTGTGTAAGTCAGATGTGAAATCCCCGGGCTTAACCTGGGAATTGCATTTGAGACTGCAGG
ACTAGAGTTCAGAAGAGGTGAGTGGAATTCCAAGTGTAGCGGTGAAATGCGTAGATATTTGGAAGAACACCAGTGG
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A

>OTU10570;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Clost
ridiaceae_1(0.0904),g:Sarcina(0.0157);

ACGGGAGGCAGCAGTGGGGAATATTGGTCAATGGGCGCAAGCCTGACCCAGCAACGCAGCGTGAAGGAAGAAGGC
TCTCGGGTTGTAAACTTCTTTTAAGAGGGAAGAGCAGAAGACGGTATCTCTAGTATAAGCCACGGCTAACTACGAGC
CAGCAGCCGCGGCAATACGTAGGTGGCAAGCGTTATCCGGATTTACGGGGCGTAAAGGGAGCGTAGGCGGTTGATT
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AATGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGTTCTCTGGACT
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>OTU10571;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Clost
ridiaceae_1(0.0355),g:Clostridium_sensu_stricto(0.0087);

ACGGGAGGCAGCAGTAAAGAATCTTCCGCAATGGACGAAAGTCTGATGGAGCGACGCCGCGTGAATGAAGAAGGTT
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ATAAGTAACGGCTAATTACGTGCCAGCAGCCGCGGTAACACGTAAGTTGCGAGCGTTGTTCGGAATTATTGGGCGTA
AAGGGAGCGTAGGCGGATGATTAAGTAGAATGTGAAATACCCGGGCTCAACTGAGGTGCTGCATTGCAAACTGGTT
ATCTAGAGTGCAGGAGAGGAGAGTGGAATTCCAAGTGTAGCGGTGGAATGCGTAGAGATTAGGAAGAACACCAGT
GGCGAAGGCGGCTCTCTGGTCTGTAACTGACGCTGAGGCTCGAAAGCATGGGGAGCGAACAGGATTAGATACCCTG
GTA

>OTU10572;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Eubacteriaceae(0.0904),g:Eubacterium(0.0181);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTA
TTTCGGTATGTAAACTTCTATTAGCAGGGAAGAAAATGACGGTACCTGACTAATAAGCTCCGGCTAACTACGTGCCAG
CAGCCGCGGTAATATGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGTGATGCAAG
TCAGATGTGAAATCTATGGGCTTAACCCATAAACTGCATTGGGAACTGTAAGTCTTGAGTGATGGAGAGGTAGGTGG
AATTCGTGGTGTAGCGGTGAAATGCTTAGATATCAGGAAGAACACCGGTGGCGAAGGCAGTCTACTGGGCAGTTAC
TGACGCTGAGGCGCGAGAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU10573;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Ruminococcaceae(0.1098),g:Clostridium_IV(0.0181);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
TTTCGGGTTGTAAACTTCTTTTGTCAGGGACGAAGCAAATGACGGTACCTGACGAATAAGCCACGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGCGCACGTAGGCGGCTTGGT
AAGTCAGGGGTGAAATCCCACAGCCCAACTGTGGAACTGCCTGTGATACTGGCAAGATTGAGTCTCGTAGAGGGGG
GTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGGCGAAGGCGGCCCCCTGGACG
AAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU10576;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9994),c:"Bacteroidia"(0.9784),o:"Bacteroidales"(0.9707),f:"Porphyromonadaceae"(0.9573),g:Butyricimonas(0.9566);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTCGCGTGAGGGATGAATGG
TCTATGGCCTGTAAACCTCTTTTGTCATGGAAGAATAAATCGCACGGGACCGCTGTTGCCAGTACTTGAAGAATAAGC
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGC
GCGTAGGCGGGACGTCAAGTCAGCGGTAAAAGCCTGCGGCTAAACTGTAGCACGCCGTTGATACTGGCGCCCTGGA
GACGAGACGAGGGAGGCGGAACAAGTGGAGTAGCGGTGAAATGCATAGATATCACGAGGAACCCCGATAGCGAAG
GCAGCTTCCCAGGCTCGATCTGACGCTGATGCGCGAGAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU10574;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Ruminococcaceae(0.1098),g:Intestinimonas(0.0181);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGT
TTTCGGATTGTAAACCTCTGTTTTCGGTGACGAACAAATGACGGTAACCGAGTAGGAAGCCACGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGCGCGCC
AAGTCAGCGGTCAAAGTTCCGGGCTCAACCCGGTGTCGCCGTTGAAACTGGCGTGCTCGAGTGCGTGCGAGGAAGG
CGGAATGCGTTGTGTAGCGGTGAAATGCGTAGATATACGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACATT
AACTGACGCTGAGGAGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU10575;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Clostridiales_Incertae_Sedis_XII(0.0355),g:Acidaminobacter(0.0087);

ACGGAAGGCAGCAGTAGGGAATATTGGGCAATGGGCGCAAGCCTGACACAGCAACGCCGCGTGAGGGAATAAGGT
TTTCGGATTGTAAACCTCTGTCCTATGTGACGAAGGAAGTGAGGGGAGCATAGGAGGAAGCCCCGGCTAACTACGT
GCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGTTTT
GTAAGTTGGATGTGAAATACCCGGTCTAAACTTTGCGGCTGCATACAATACTGCAGTACTTGAGTGCAGGAGACGAA
AGCGGAATTCCTAGTGTAGCGGTGAACTGTGTCGATATTAGGCGGAACACCGGTGGCGATGGCGGCTTTCTGGACTG
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>OTU10577;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Ruminococcaceae(0.0710),g:Anaerotruncus(0.0157);

ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGCGCAAGCCTGATGCAGCAACGCCGCGTGCAGGAAGACGGT
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GTCAGAAGTGAAATCCATCGGCTTAACCGGTGAACTGCTTTTGAAACTGTTATTCTTGAGTGAAGTAGAGGTAGGCG
GAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCAGTGGCGAGGGCGGCCTGCTGGGCTTTTA
CTGACGCTGAGGCTCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU10578;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.8808),c:Deltaproteobacteria(0.7114),o:Desulfovibrionales(0.4280),f:Desulfovibrionaceae(0.2184),g:Bilophila(0.0423);

ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGCAGCGACGCCGCGTGAACGAAGAAGGC
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ATAAGCAACGGCTAATTACGTGGCAGCAGCCGCGGTAATACGGTGGGTGCACGCGTTAATCGGAATCACTGGGCAT
AAAGCGCACGTAGGCGGCTTGGTAGGTAAGGGATGAAATCCCGCAGCCCAACTGTGGAACTGCCTTTGAAACTGCC
AGGCTAGAGTACCGGAGAGGGTGGCGGAATTCCAGGTGTAGGAGTGAAATGCGTAGATATCTGGAGGAACACCGG
TGGCGAAGGCGGCCACCTGGACGGTAACTGACGCTGAGGTGCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCT
GGTA

>OTU10580;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9769),o:Clostridiales(0.9606),f:Clostridiaceae_1(0.6709),g:Clostridium_sensu_stricto(0.4351);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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GAACCCGCGGTAATGCGCAGGTGGCCAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAA
GTGAGATGTGAAATACACGGGCTCAACGTGGGTGCTGCATTGCAAACTGGTAGACTAGAGTGCAGGAGAGGAGAAT
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTA
ACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU10579;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Rumi
nococcaceae(0.5991),g:Oscillibacter(0.2607);
ACGGGAGGCAGCAGGGGGAAAGAGAGGGCAAGGGACGCAAGTCTGACCCAGCAACGCCGCGTGAAGGAAGAAGG
CTTTCGGGTTGTAAACTTCTTTTGTCAGGGAAGAGCGGAAGACGGTACCTGACGAATAAGCCACGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGCAGCCGGGTCTG
CAAGTCAGGTGTGAAATCCGCGGGCTTAACCCGCGAACTGCATTTGAAACTGGGGATCTTGAGTATCGGAGAGGTAA
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>OTU10581;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8628),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.
3959),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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CAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGGAGGGT
AAGCGTGTTGTGAAATGCAGTTGCTCAACATCTGCACTGCAGCGCGAACTGTTCACCTTGAGTGCGCAGGAAGTAGG
CGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGGGAAGCCAGCTTACTGTAGCGCC
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>OTU10582;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Erysipelotrichia(0.9180),o:Erysipelotrichales(0.8
303),f:Erysipelotrichaceae(0.6350),g:Turicibacter(0.4787);
ACGGAAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGAATGATGAAGGC
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GAAAGCCACGGCTAATTACGTGCCAGCAGCTGCGGTAATACGTAGGTGGTGTGCGTTATCCGGAATTATTGGGCGTA
AAGGGCGCGCAGGTGGTTGATTAAGTCTGATGTGAAAACCCACGGCTTAACCGTGGAGGGGCATTGGAAACTGGTC
GACTTGAGTGCAGAAGGGGGAAGTGGAATTCCATGAGTAGCGGTGAAATGCGTAGAGATATGGAGGAACACCGAT
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GTA
>OTU10583;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9474),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.
3959),f:"Prevotellaceae"(0.0904),g:Prevotella(0.0181);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTCGCGTGAAGGAAGACGGC
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GCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGG
GAGCGTAGGCCGTCGTTTAAGCGTGTCGTGAAATGCCGCGGCTCAACCGTGGCACTGCAGCGCGAACTGGATGACTT
GAGTTCGCGGGAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAA
GGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU10585;tax=d:Bacteria(0.9073),p:"Spirochaetes"(0.1310),c:Spirochaetia(0.0425),o:Spirochaetales(0.02
91),f:Spirochaetaceae(0.0073),g:Treponema(0.0039);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGT
CCTATGGATTGTAAACTGCTTTTTTCGGGGAATAATAAGACTTTTGCGAAGGTTGATGCAGGTACCCGAAGAATAAG
GATCGGCTAACTCCGTGCCAGCAGCCGCGGCAATACGTAGGGAGCGAGCGTTGTCCGGAATTACTGGGTGTAAAGG
GTGCGTAGGCGGTAGGCTAAGTTGGATGTGAAATACCTGGGCTTAACTTGGGGGCTGCATTCAAAACTGGTTTACTA
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>OTU10584;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:"Bacteroidia"(0.4428),o:"Bacteroidales"(0.
2039),f:"Porphyromonadaceae"(0.0904),g:Barnesiella(0.0110);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTCGCGTGAAGGAAGACGGA
ACTATGGTTTGTAAACTTATTTAGTGTGGGAAAAAAGCGTGGTTGCGACCGCAGATGAGTGTACCACAAGAATAAGC
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>OTU10586;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Pept
ostreptococcaceae(0.1098),g:Clostridium_XI(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
CTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTCCGGTAA
GTCAGCCGTGAAAAGCCCCCGCTCAACGGGGGTCGTGCGTTTGATACTGTTGGACTGGAATGCGGATGCCGTGGGA
GGAATGTGTGGTGTAGCGGTGAAATGCATAGATATCACACAGAACACTGATTGCGAAGGCATCTCACGAATCCGTCA
TTGACGCTGAGGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA
>OTU10588;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Clost
ridiaceae_1(0.1485),g:Clostridium_sensu_stricto(0.0326);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAAGCCTGATGGAGCGACGCCGCGTGAGGGATGACGG
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CAGAAGCCGCGGTAATAAGTAGGTGGCGAGCGTTGTACGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTTTT
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GGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTTGCGAAGGCTCTTCTCTAGACTGTA
TCTGACGCTGAGGCTCGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU10587;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Eubacteriaceae(0.1872),g:Eubacterium(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
CTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTATTGGGCGTAAAGAGTGCGTAGGTGGTTACCTAA
GCAGGGGGTGAAAGGCATTGGCTTAACCAATGTTAGCCCCCTGAACTGGGCTACTTGGAGGCAGGAGAGGAAAGCG
GGATTCCTAGTGGTGCGGTGAAATGCGTAGATATATGGAGGAACACCGGTGGCGAAAGCGGCTCTCTGGTCTGTAA
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>OTU10589;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.8448),c:Spirochaetia(0.6346),o:Spirochaetales(0.3639),f:Spirochaetaceae(0.1872),g:Treponema(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTAGGCAATGGGCGAAAGCCTGACCTAGCAACGCCGCGTGAGGGAAGAAGGT
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GCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGCACGCAGGCGGCTTT
GCAAGCTTGGTGTGAAATCTCAGGGCTCAACCCTGAAACTGCATTGAGAACTGCATGGCTAGAGTTAGTGAGGGGA
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GATGATTGACGCTGAGGTACGAAGGTGCGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU10590;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Peptostreptococcaceae(0.2184),g:Clostridium_XI(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGACGAAAGCCTGATGCAACAACGCCGCGTGAGCGATGAAGGC
CTTCGGGTCGGAAAACTCTTTCCACAGGGAAGATAATGACGGTACGTGAGGATGAAGCCCGGGCTAACTACGTGCCA
GCCGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGATTTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAG
TCAGGAGTGAAAGGCTATGGCTCAACCGTAGTATGCTCTTGAAACTGGGAAACTTGAGTGCCGGAGAGGAAAGTGG
AATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAGGGCGGCCCGCTGGACGACAAC
TGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU10591;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Eubacteriaceae(0.6350),g:Eubacterium(0.4787);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCAACGCCGCGTGGAAGAAGACGGT
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ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGT
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>OTU10594;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Gracilibacteraceae(0.1291),g:Lutispora(0.0230);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGATGCCGCGTGGAGGAAGAAGGT
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>OTU10593;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Lachnospiraceae(0.4224),g:Blautia(0.1735);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAGCGCCGCGTGAGTGAAGAAGTA
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>OTU10595;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Ruminococcaceae(0.0904),g:Clostridium_IV(0.0134);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGATGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGGT
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>OTU10596;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.8988),c:Spirochaetia(0.7497),o:Spirochaetales(0.46
52),f:Spirochaetaceae(0.2864),g:Treponema(0.0230);

AAGGGAGGAAGAAGAGAAGAAGAGGAGGAAAGGGACGAAAGTCTGACGGAGCGACGCCGCGTGGATGACGAAG
GCCGGACGGTTGTAAAATCCTTTTATGACTGAGGAATAAGTGAAGTGAGGGAAACGCTTCATGGTGACTGTAGGTCA
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CAGGACTTGAATCGCTGAGGGGCAGCCAGAATTCCAGGTGTAGGGGTGAAATCTGTAGATATCTGGAAGAATACCA
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CTGGTA

>OTU10597;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9918),o:Lactobacillales(0.9707),f:Lactob
acillaceae(0.9294),g:Lactobacillus(0.8124);

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AGTTACGGCCAAATACGTTCCCGCAGCCCCGGTAATACGTAGGGTGCCAGCGTTGTCCGGATTTATTGGGCGTAAAG
CGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCCTCGGCTTAACCGAGGAACTGCATCGGAAACTGTTTTTCT
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>OTU10598;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.
7995),f:"Prevotellaceae"(0.4224),g:Prevotella(0.0712);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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GCGCAGGCTGTGTATTAAGTGTGAGGTGAAATGTAGGCGCTCAACGTCTGACGTGCATCGCATACTGGTAGACTTGA
GTGAGTTCGATGTTGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGC
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>OTU10600;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Bacilli(0.9719),o:Lactobacillales(0.8629),f:Lactob
acillaceae(0.5632),g:Lactobacillus(0.1735);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAATAAGGG
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GATCGTCACGGCTCACTACGTGCCAGCAGCTGCTGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTA
AAGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCCTCGGCTTAACCGAGGAACTGAATAGGAAACTGGTG
TTATTGAGTGAGGAAGGGGAGGGTGGAACGCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGT
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GTA

>OTU10601;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Lachnospiraceae(0.3884),g:Pseudobutyrivibrio(0.0808);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAGTGAGGAAGGA
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GCAGCCGCGGTAATACGTATGGTGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGTGCAGGCGGTCTTGCAA
GTCAGATGTGAAAACCCAAGGCTCAACCAGGGGAATGCATTTGAAACTGTGAGACTAGAGTATAGGAGAGGTAAGT
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTACTGGACGATT
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>OTU10599;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Bacilli(0.3483),o:Lactobacillales(0.1483),f:Lactobacillaceae(0.0560),g:Pediococcus(0.0110);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
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CAGCAGCCGCGGTAATACGTAGCTGCCGCGCGTTATACGGAATTACTGGGTGTAAAGGGAGCGTAGACGGAGTGGC
AAGTCTGATGTGAAAGGCATGGGCTCAACCTGTGGACTGCATTGGAAACTGTCAAGCTTGAGTGCAGAAGAGGACA
GTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTG
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>OTU10603;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8267),c:Sphingobacteriia(0.3483),o:"Sphingobacteriales"(0.1483),f:Sphingobacteriaceae(0.0560),g:Olivibacter(0.0087);

ACGGGAGGCAGCAGTAAGGGATATTGGTCAATGGGCGGGAGCCTGAACCAGCCATGCCGCGTGAGGGATTGAGGC
CCTACGGGTCGTAAACCTCTTTTGCCGGGGGATAACGGGCGTCGCGCGTGGCGCCGTGAAGGTACCCGGAGAATAA
GCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGG
GTGCGCAGGCGGGGGTCTAAGTGAGCGGTGAAATTTCCAGGCTCAACCGGGTAAGTGCGGATGATACTGGGGGTCT
TGAATGCGGTCGAGGCCGGAGGAATGTGGGGTGTAGCGGTGAAATGCGTAGATATGACAAAGAACACCGATAGCG
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>OTU10604;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.5174),c:Sphingobacteriia(0.0726),o:"Sphingobacteriales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Solitalea(0.0056);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGAAGTCTGAACCAGCCATGCCGCGTGAAGGAATAAGGC
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CATCGGCTAACTCCGTGCCAGCAGCCTCGGTAATACGGAGGCTGCAAGCGTTATCCGGAATTATTGGGTTTAAAGGG
TGCGTAGGCTGTTTTGCAAGTCAGGGGTGAAAGCCCGGAGCTCAACTCCGGAACTGCATTTGATACTGGGAGGCTAG
AATACGGAAGACGTGGGAGGAATGAGTAGTGTAGAGGTGAAATGCGTAGATATTACGAAGAACACCGATGGCGAA
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>OTU10602;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Eubacteriaceae(0.1098),g:Eubacterium(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGAAGGT
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CAGCAGCCGAGGTAATACGTAGGTGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGCGCGCAGGCGGGATAG
CAAGTCAGCTGTGAAAACTATGGGCTCAACCCATAAACTGCAGTTGAAACTGTTATTCTTGAGTGCAGTAGAGGCAA
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>OTU10608;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:"Bacteroidia"(0.1740),o:"Bacteroidales"(0.0781),f:Bacteroidaceae(0.0113),g:Bacteroides(0.0056);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGGAGACTGAACCAGCCAAGTCGCGTGAAGGAAGGCTGC
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ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
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>OTU10605;tax=d:Bacteria(0.0024),p:Firmicutes(0.0000),c:Bacilli(0.0000),o:Lactobacillales(0.0000),f:Enterococcaceae(0.0000),g:Enterococcus(0.0000);

CTTTCCCCGCAACAGCAGGTTTCCGAGATTATGCGCCAAATGCTTACTCAATCTCAAACGGCTGGTCAGTATTTTCCCA
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>OTU10607;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4812),o:Clostridiales(0.2039),f:Rumi
nococcaceae(0.0560),g:Intestinimonas(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGATGAAGGT
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0291),f:"Rikenellaceae"(0.0073),g:Rikenella(0.0039);
ACGGAAGGCAGCAGTGAGGAATATTGGTCCATTGTTGGAAGACTGAACCAGCCATTCCGCGTTCAGGAAGCCGGTC
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>OTU10612;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8448),c:"Bacteroidia"(0.3483),o:"Bacteroidales"(0.
1483),f:"Porphyromonadaceae"(0.0560),g:Barnesiella(0.0134);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGAATAAGGC
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0352),f:"Rikenellaceae"(0.0086),g:Rikenella(0.0043);
ACGGGAGACAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGT
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ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGGC
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ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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AAGGAAGGAAGAAGGGGGGGAGAGTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGAAGG
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>OTU10615;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Clost
ridiales_Incertae_Sedis_XIII(0.1679),g:Anaerovorax(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGAAGAAGGT
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8629),f:"Prevotellaceae"(0.4914),g:Prevotella(0.0904);
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>OTU10619;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9990),c:Betaproteobacteria(0.9769),o:Burkholder
iales(0.9389),f:Sutterellaceae(0.9015),g:Sutterella(0.8605);
CCTTTCTTCCTCCTTTTTTCCTTTTTTCCCCTTTTTTCCCCCCTGCTCCCTCCATGCCGCGTGCAGGATGAAGGTCTTCGG
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onadales(0.0000),f:Sphingomonadaceae(0.0000),g:Sphingomonas(0.0000);
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acillaceae(0.2864),g:Lactobacillus(0.0808);
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6881),f:"Prevotellaceae"(0.3544),g:Prevotella(0.0519);
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8629),f:Bacteroidaceae(0.4914),g:Bacteroides(0.3043);
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1015),f:"Porphyromonadaceae"(0.0355),g:Barnesiella(0.0087);
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3959),f:Bacteroidaceae(0.2184),g:Bacteroides(0.0615);
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2679),f:"Porphyromonadaceae"(0.1098),g:Barnesiella(0.0157);
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0413),f:Prolixibacteraceae(0.0099),g:Prolixibacter(0.0046);
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0473),f:"Porphyromonadaceae"(0.0099),g:Dysgonomonas(0.0043);
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"(0.2999),f:Cryomorphaceae(0.1485),g:Lishizhenia(0.0204);
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>OTU10646;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Eubacteriaceae(0.1485),g:Eubacterium(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
TTTCGGATTGTAAACCTCTGTCGCAGGGGACGAAGGAAGTGACGGTACCCTGTAAGAAAGCCCCGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTGATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTG
TAAGTCTGATGTGAAAACCCGGGGCTCCACCCCGGGACTGCATTGGAAACTATGCGGCTAGAGTGTCGGAGAGGTA
AGTGGAATGCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCGGCTCTCTGGACT
GTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU10647;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Lachnospiraceae(0.5273),g:Lachnospiracea_incertae_sedis(0.2171);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGATGAAGTA
TTTCGGTATGTAAAGCTCTATAAGCAGGGAAGAAAATGACGGTACCTGACTAAGCAGCTCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATATGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTCGTGCAA
GCCAGATGTGAAAGCCCGGGGCTCAACCCCGGGACTGAATTTGGAACTGTAAGGCTAGAGTGTCGGAGAGGCAGGC
GGAATTCCTAGTATAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCATGCTGGACGATG
ACTGAAGTTGAGGATCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTAGTA
>OTU10649;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Lachnospiraceae(0.5632),g:Clostridium_XlVa(0.3915);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGGAAGCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
TCTCGGTATGTAAAGCTCTATCAGCCGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGAGGGCAAGCGTTATTCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGACACAA
GTCTGGAGTGAAAGCCCGGGGCCCAACCGCGGGACGGATATGGAAACTGTGCTGCTGGAGTGCGGGAGAGGTAAG
TGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAATGGCGAAGGCGGCTTACTGGACTGA
AACTGACGTTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU10648;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.1159),o:Clostridiales(0.0547),f:Lachnospiraceae(0.0149),g:Parasporobacterium(0.0066);

ACGGGAGGCAGCAGTTAGGAATATTGGGCAATGGAGGAAACTCTGACCCAGCAACGCCGCGTGAAGGATGAAGGT
TCTCGGATTGTAAACTTCTGATCCGAGGAAAGAAACAAATGACGGTACCACAGGAGAAAGCTCCGGCAAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGAATAACTGGGCGTAAAGGGAGCGTAGGTGGTAATT
TAAGTTAAATGTGAAAGCCCGGGGCTCAACTCCGGAATTGCATTTAATACTGGGTTACTAGAGTGCAGGAGGGGTAA
GCGGAATGCCCAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGATTCTCTGGACTG
TAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU10650;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Eubacteriaceae(0.0904),g:Eubacterium(0.0181);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAACGATGAAGGT
CTTCGGATCGTAAAGTTCTTTTGCAGGGGAAGATAATGACGGTATTCTTTGAGGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGAGCGTAGGCGGTCTGATA
AGTTGGATGTGAAATACCCGGGCATAACGGGGGGGGTGCATAGAATAATGGTGGACTAGAGTACAGGAGAGGAAA
GAGGAATTCCTAGTGTAGAGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGAGAAGGCGGCTCTCTGGACTG
TGACTGGCACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU10651;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Bacilli(0.9462),o:Lactobacillales(0.7623),f:Lactobacillaceae(0.4224),g:Lactobacillus(0.2171);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGC
TTTCGGATCGTAAAGCTCTGTCGTTTGTGAAGAAGGATAGTGGCAGCAACTGGCCATTATTTGACGGTAATCAACCAG
AAAGTCACGGTTAACTACGTGCCAGCAGCTGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAA
AGCGAGCGCAGGCGGAAAGATAAGTCTGAAGTGAAAGCCCCCGGCTTAACCGGGGAACTGCTTCGGAAACTGTCCT
TCTTGAGTGCAGAAGAGGAGAGTGGAGCACCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTG
GCGAAGGCGGCTGACTGGTCTACAACTGACGCTGGGGCTCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTG
GTA

>OTU10652;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9784),o:"Bacteroidales"(0.9707),f:Bacteroidaceae(0.8864),g:Bacteroides(0.8124);

CCTTTCTTCCTCCTTTCTTCCTCTTTCTCCCTGGTCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTCTAT
GGGTCGTAAACTCCTTTTATATAAGAATAAAGTGCAGTATGTATACTGTTATGTATGTATTATATGAATAAGGATCGCC
TAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTGATAGGGAGCGTAG
GTGGACTGGTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAGTTGCATTTGATACTGTCAGTCTAGAGTACAGT
AGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGAGATCACGAATAACTCCGATGGCGAAGGCAGCTCA
CTGGACTGCAACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU10654;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9769),o:Clostridiales(0.9606),f:Lachnospiraceae(0.9108),g:Clostridium_XlVb(0.5720);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAAGGATGAAGGG
TTTCGGCTCGTAAACTTTTATCAATAGGGAAGTAAGAAATGACGGTACCTAAATAATAAACGTCGGCTAACTACGTGC
CACCAGTCGCTGCAATACGTAGGGGGCAATCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGCATGGT
AAGCCAGATGTGAAAGCCTTGGGCTTAACCCGAAGATTGCATTTGGAACTATCAAGCTAGAGTACAGGAGAGGAGA
GCGGAATTCGTAGTGTAGCAGTGAAATGCGTAGATATTAGGAAGAACACCAATGGCGAAGGCAGCTTTCTGGACTG
AAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU10657;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9791),o:"Bacteroidales"(0.9730),f:Bacteroidaceae(0.9015),g:Bacteroides(0.8605);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGACCCAGCCAAGTAGCGTGAAGGATGAAGGC
TCTATGTGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTATGTATACTGTTTTGTATGTATTATATGAATAAGGA
TCGGCTAACTCCGTGCCAGCAGCCGCGGTAATCCGGATGATCCGAGCGTTATCCGGATTTATTGGGTGTAAAGGGAG
CGTAGGTGGACTGGTAAGTCAGATGTGAAAGGTAGCGGCTCAACCGTAAGATTGCAGTTGATACTGTCAGTCTTGAG
TACAGGAGAGGTGGGCGGAATTCATGGTGTAGCGGTGAAATGCGTAGATATCAGGAAGAACTCCAGTTGCGAAGGC
AGCTCACTGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU10653;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9474),c:"Bacteroidia"(0.4812),o:"Bacteroidales"(0.2359),f:Bacteroidaceae(0.0710),g:Bacteroides(0.0157);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
CCTATGGGTTGTAAACTTCTTTTATAAGGGAATAAATGTGGGTACGCGTACCCGTTTGCATGTACCTTATGAATAAGG
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGAATTATTGGGTTTAAAGGGT
GCGTAGGCTGTTTGTTAAGTCAGGGGTGAAATACCGCAGCTCAACTGTGGAATTGCCTTTGATACTAGCAGGCTTGA
ATACTGTTGCCGTGGGAGGAATGAGTAGTGTAGCGGTGAAATGCTTAGATATCACTCAGAACACCGATTGCGAAGGC
ATCTGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA
>OTU10656;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Clostridiaceae_1(0.2524),g:Clostridium_sensu_stricto(0.0712);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
TTTCGGATCGTAAAGCTCTGTCTTTGGGGAAGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTGCGTGCCA
GCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGACGGACTGGCAA
GTCTGATGTGAAAGGCATGGGCTCAACCTGTGGACTGCATTGGAAACTGTTAGTCTTGAGTGCCGGAGGGGTAAGC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGGAGGCGGCCAACTGGGCTTTT
ACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU10655;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Erysipelotrichia(0.3483),o:Erysipelotrichales(0.1483),f:Erysipelotrichaceae(0.0560),g:Turicibacter(0.0134);

ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGAATGATGAAGGC
CTTCGGGTTGTTAAATTCCGTTATAAGGGGAGAAAGGCTCTAGTAGGAAATGGCGAGGGAGTGACGGTACCTTATG
AGAAAGCCACGGCGAACTACGTGCCAGCAGCCGCGGTAATAGGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGC
GGAAAGGGTGCGTAGGCGGTTTGGTAAGTTGGATGTGAAATACGCGGGCTTCACTTCGGGACTGCATCCAATACTGT
CGAACTTGAGTGCAGGAGAGGAGGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCG
GTGGCGAAGGCAGCTCGCCGGACGATAACTGACGCTGAGGCGCGAAAGTGTGGGTAGCAAACAGGATTAGATACC
CTGGTA

>OTU10658;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9605),c:Epsilonproteobacteria(0.7881),o:Campylobacterales(0.5023),f:Campylobacteraceae(0.3204),g:Campylobacter(0.0904);

ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGT
TCTCGGATCGTAAACCTCTGTCAGGGGGGAAGAAACCCCCTCGTGTGAATAATGCGAGGGCTGGACGGTACCCCCAA
AGGAAGAACCGGCTAACTCCGTGCCAGAAGCGGCGGTAATACGGAGGTGGCAACCGTAATCCGGAGTTATTGGGCG
TAAAGGACGCGTAGGCGGATTATCAAGTCTTTTGTGAAATCTAATGGCTCAACCATTAAACTGCTTGAGAAACTGATA
ATCTAGAGTGAGGGAGAGGCAGATGGAATTGGTGGTGTAGGGGTAAAATCCGTAGAGATCACCAGGAATACCCATT
GCGAAGGCGATTTGCTAGAACTCAACTGACGCTAATGCGTGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGG
TA

>OTU10659;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Bacilli(0.9805),o:Lactobacillales(0.9389),f:Lactobacillaceae(0.9015),g:Lactobacillus(0.7643);

ACGGGAGGCAGCAGTAGGGAAGCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGAGTGAGTGAAGAAGGT
CTTCGGATCGTAAAACTCGGTTGTTAGAGAAGAACACGAGTGAGAGTAACTGTTCATTCGATGACGGTATCTAACCA
GCAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGCACTACGTAGGTGGCAAGCGTTGTACGGATTTATTGGGCGTA
AAGGGAACGCAGGCGGTCTTTTAAGTATGATGTGAAAGCCTTAGGCTTAACCGGAGTAGTGCATTGGAAACAGGAA
GACGTGAGTGCAGAAGAGGAGAGTGGAACACCATGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAGT
GGCTAAAGCGGCTCTCTGGTCTGTAACTGACGCTGAGGTTCGAAAGCGTGGGTGGCATACAGGATTAGATACCCTGG
TA

>OTU10661;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9671),c:"Bacteroidia"(0.8472),o:"Bacteroidales"(0.6509),f:"Prevotellaceae"(0.3204),g:Prevotella(0.0519);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTAGCGTGAAGGACGAAGGCCCTATGGGTTGTAAACTTCTTTTGCGGGGGGATAAAACGCGCCACGCGTGGCGTCTTGCAGGTACCCCGCGAATAAGGGTCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGGAGATTAAGCGTGTTGTGAAATGCCGCGGCTCAACCGTGGCACTGCAGCGCGAACTGGGAGACTTGAGTGCGCGGAATGCAGGCGGAATTCGTCGTGTAGCGGTGAAATGCATAGATATCACGAAGAACCCCGATTGCGTAGGCAGCCTGCCAGGCCGCGACTGACGCTGAGGCACGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU10660;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.2999),f:Ruminococcaceae(0.1291),g:Saccharofermentans(0.0181);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGAAGAAGGTCTTCGGATCGTAAAGCTCTTTGATCAGGGACGAACACAATGACGGTACCTGAAGAACAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCCCGTAGGCGGGGATGCAAGTCAGATGTGAAATCTATGGTCTTAACCCATAAACTGCATTTGAAACTGTATCTCTTGAGTGCTGGAGAGGTAGACGGAATTCCCGGTGTAGCGGTGGAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGGCACTAGCTGACGCTGAGGCTCGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU10662;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Alphaproteobacteria(0.9979),o:Rhizobiales(0.9889),f:Methylobacteriaceae(0.9480),g:Methylobacterium(0.9705);

GTGTCAGCAGCCGCGGTAATACGAAGGGGGCTAGCGTTGCTCGGAATCACTGGGCGTAAAGGGCGCGTAGGCGGCCGATTAAGTCGGGGGTGAAAGCCTGTGGCTCAACCACAGAATTGCCTTCGATACTGGTTGGCTTGAGACCGGAAGAGGACAGCGGAACTGCGAGTGTAGAGGTGAAATTCGTAGATATTCGCAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCCGGTTCTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTAGTCCACGCCGTAAACGATGAATGCCAGCCGTTGGCCTGCTTGCAGGTCAGTGGCGCCGCTAACGCATTAAGCATTCCGCCTGGGGAGTACGGTCGCAAGATTAAAACTCAAATGAATTGGCGGGG

>OTU10663;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Ruminococcaceae(0.1098),g:Clostridium_IV(0.0157);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGTCTTCGGATTGTAAACCTCTGTCTTTGGTGAAGAATAGATGACGGTAGCCCAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGTGCAGGCGGGACAGCAAGTTGGATGTGAAATACCGAGGCTCAACCACTGAGCTGCATTCAAAACTGTTGATCTTGAGTGAAGGAGAGGTAGGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGGCTGGACTGCAACTGACGCTGAGGCGCGAAAGTATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU10664;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.4311),c:"Bacteroidia"(0.2321),o:"Bacteroidales"(0.1015),f:"Prevotellaceae"(0.0113),g:Prevotella(0.0056);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGAGGGATGACTGCCCTATGGGTTGTAAACCTCTTTTATAAGGGAATAAAATACGGGACGTGTCCTGTTTTGCATGTACCTTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTGTAAAGGGTGCGTAGGCGGCTACGTAAGTCAGACGTGTAATGCAGAGGCTTAACCTCTGAACTGCGTTTGAAACTGTGTAGCTTGAGTGGAGTAGAGGCAGATGGAATTTCCAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU10665;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Ruminococcaceae(0.0252),g:Clostridium_III(0.0076);

ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGGGGGAACCCTGACGCAGCAACGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGTAAACTTCTGTCTTTAGGGAAGAAGAAAGTGACGGTACCTAAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGCTGTCAAGTCAGCGGTAAAATTTCCGGGCTTAACCTGGTTGTGCCGTTGAAACTGAGAGACTGGAGTGCGCTTGAGGTAGGCAGAATGCGTTGTGTAGCGGTGAAATGCATAGATATGACGCAGAACTCCGATCGCGAAGGCAGCTTGCCAAGCCATAACTGACACTGAAGCACGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU10666;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Lachnospiraceae(0.6350),g:Roseburia(0.3479);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGATAATGACGGTACCTGACTAAGAAGCTCCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGGAGCAAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGCAGGCGGTCAGATAAGTCTGATGTGAAACTCCGGGGCTCAACCCCGGAACTGCATTGGAAACTGTTTGACTAGAGTGTCGGAGGGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCTGTGGCGAAGGCGGCTTACTGGACGACAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU10667;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9861),o:Lactobacillales(0.8846),f:Lactobacillaceae(0.7428),g:Lactobacillus(0.6200);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAATCTCTTTTGATGGAGAAAAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACAAGAAAGTCACGGCTAACTACGTGCGAGCAGCCGCGGTAATACATAGGTGGCAAGCGTTGTCCGGATTTACTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTGCTGTGAAAGTCCTCGGCTTAACCGAGGAACTGCATCGGAAACTGTGTTTCTTGAGTGCAGAAGAGGAAAGCGGAACTCCACGTGTAGCGGTGGAATGCTTAGATATATCGAAGAACTCCAGTTGCGAAGGCGGCTCGCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU10668;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Lachnospiraceae(0.2524),g:Blautia(0.0615);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCCGTTGGTAGTGAAGTAAGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATTATTTAGAACGTCACGGCTAACTACGTGACAGCAGCTGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGACTGGCAAGTCTGATGTGAAAGGCGGGGGCTCAACCCCTAGACTGCATTGGAAACTGTTAGTCTTGAGTGCCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU10670;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Bacilli(0.9776),o:Lactobacillales(0.9172),f:Lactobacillaceae(0.8146),g:Lactobacillus(0.4787);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTTAGTTAAGAAGGGTTTCTTCTCGTAAAGCTCTGTTGGTAGTGAATAAAGATAGAGGTAGTAACTGGCCTTTATTTGACGGTCATTACTTAGAACGTCACTTCTAACTACGTTCCAGCAGCCGCGGTAATACGTCGGTGGCACGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGTGCAGGCGGTTCAATATGTCTGATGCGAAAGCCTTCGGCTCAACCGGAGAAGTGCATCAGAAACTGTTGAACTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGAGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGAAGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU10671;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Clostridiaceae_1(0.3204),g:Clostridium_sensu_stricto(0.0808);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCAGCGTGAGTGATGACGGCCTTCGGGTTGTAAAACTCTGTCTTCAGGGACGATAATGACGGTACCTGTGGCGGAAGCCACGGCTAACTACGTGACAGCAGCGGCGGTAATACGTCGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTTTTAAGTGAGATGTGAAATGCTCGGGCTTAACCTGTGTGCTGCATCTCGAACTGGGAGTCTAGAGTGCAGGAGAGGAGAAGGGAATTCCTAGTGTAGCGGTGAAATGCTTAGAGATTAGGAAGAACACCGGTGGCGAAGGCGCTTCTCGGGACTGTTACTGACGCTGAGGCTCGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU10672;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8897),o:"Bacteroidales"(0.7623),f:"Prevotellaceae"(0.3204),g:Prevotella(0.0904);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACTGCCCTATGGGTTGTAAACTGCTTTTATGCGGGAATAAAGTGCACTACGTGTAGTGTTTTGTATGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCTGAAGATTAAGCGTGACGTGAAATGTCCCGGCTCAACCGGGGAGTTGCGTCGCGAACTGGTTTTCTTGAGTGAGCGCGACGTTTGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCAGACGAGTCCTTTACTGACGCTAATGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU10673;tax=d:Bacteria(0.1356),p:Cyanobacteria/Chloroplast(0.0171),c:Cyanobacteria(0.0056),f:Family_I(0.0013),g:GpI(0.0012);

GTGTCAGCAGCCGCGGTGATACGAGGAGATCTAGTGTTAATCGGAATAATTGGGCGTAAAATGTATGTAGACTGTTATTGCCTGTTAAAGATTAAATCCTAAACAAATTAGGTCATTTTTAACTACAAATTTCTTGAGTAAAAAAAAAGATTTTAGAATTTCGAAAGGAGAAATTAAATTCGTAGAATTTCGAAGGAATGCCTAAAGCGAAAGCAATAATCTTGTTTTATACTGACGTTGATATACGAAAGCATAGGTAGCAAAGAGGATTAGATACCCTCGTAGTCTATTGCTGTAAACTATGAATACTCGTTTTTGGATATTTTTTCAGAGACTTAGCTAACGCGTTAAGTATTCTGCCTGAGGAGTACGTCGGCAACGTTAAAACTCAAAGGAATTGACGGGG

>OTU10669;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Clostridiaceae_1(0.1872),g:Clostridium_sensu_stricto(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTTACCCAGCAACGCCGCGTGAAGGAAGAAGGTCTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGGACGTGACGGTACCTGGAGAAAAAGCAACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATTATTGGGCGTAAAGGGAGCGCAGGTGGGAAAGTAAGTCAGTCTTAAAAGTTCGGGGCTCAACCCCGTAATGGGATTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAAGAGGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGCTTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU10674;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lachnospiraceae(0.3204),g:Roseburia(0.0808);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCACCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGCATGGTAAGTTAGATGTGAAAGCCCGCAGCTTAACTGCGAGGATTGCATTTAAAACTATCAAGCTAGAGTACAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTACTGGACTGACAATGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU10676;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9900),c:"Bacteroidia"(0.6346),o:"Bacteroidales"(0.3639),f:"Prevotellaceae"(0.1098),g:Prevotella(0.0204);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTACGGGTTGTAAACTGCTTTTAGGCGGGGGTAAAGTGGCGGACGCGTTCCGCCTTTGCAAGTACCGCCAGAAAAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGTGGCCTTTTAAGTCAGCGGTGAAAGTTTGTGGCTCAACCATAAAATTGCCGTTGAAACTGGAGGGCTTGAGTATGTTTGGGGCAGGCGGAATGTGTGGTGTAGCGGTGAAATGCATAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTGACAAGGCTACAACTGACGCTAAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU10677;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.8472),o:"Bacteroidales"(0.6509),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0326);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCTCTATGGGTTGTAAACTGCTTTTGTGCGGGGATTAAGTGTGGGACGGGTCCCATATTGCAGGTACCGCATGAATAAGGAGCGGCTAATTTCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGTGTTTTCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGGAGATTAAGCGTGTTATGAGATGCCTGGGCTCAGCCGTGGCACTGCAGCGCGAACTGGTTTTCTTGCGTTCGCGCGACGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAGGAACCCCGATTGCGAATGCAGCCTGCGGGAGCGCAACTGACGCTGAAGCTCGAAGGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU10675;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Ruminococcaceae(0.1872),g:Acetivibrio(0.0230);

ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGGGAAGCCCTGACGCAGCAACGCCGCGTGAAGGATGAAGGTTTTCGGATTGTAAACTTCTTTGACGAGGGACGAAGAAATGACGGTACCTCGAAAACAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGAGTAGGCGGGACAGCAAGTCAGTAGTGAAATGCGGAGGCTTAACCTCCGAGCTGCTATTGAAACTGTTGTTCTTGAGTGATGGAGAGGCAGGCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACATTAACTGACGCTGAGGAGCGAAAGCGTGGGGAGTAAACAGGATTAGATACCCTGGTA

>OTU10679;tax=d:Bacteria(0.0041),p:"Actinobacteria"(0.0000),c:Actinobacteria(0.0000),o:Actinomycetales(0.0000),f:Dermabacteraceae(0.0000),g:Devriesea(0.0000);

CTTGGTCATTTAGAGGAAGTAGAAGTCGTAACAAGATTTTCGTAGGTGAACCTGCAGAAGGATCACTGTCAAAACCTGCAAAGCAGAATGACCCGCGAACACGATTAAACACCTAGGGGAGACGCGCGCTCATTGTGGCCCATCCCGTCCCGAACGTGTGCGCTCGTTTGGAGACCAATGAACCCCGACGCAGAAAGCGCCAAGGAATACTAAAATTGACAGCCCTCCCCTCGTTCCCCGTTCGCAGAGCGTGCGGGGGGACGTGTGCTGCTCTTTAAACACAAACAACTCTCGGCAATGGATATCTCAGCTCTCGCATCGATGAAGAACGCAGC

>OTU10678;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9994),c:Sphingobacteriia(0.9897),o:"Sphingobacteriales"(0.9937),f:Chitinophagaceae(0.9912),g:Ferruginibacter(0.3479);

GTGTCAGCCGCCGCGGTAATACGGAGGGTGCAAGCGTTATCCGGATTCACTGGGTTTAAAGGGAGCGTAGGTGGGCAGGTAAGTCAGTGGTGAAATCTCCGAGCTTAACTCGGAAACTGCCATTGATACTATTTGTCTTGAATATCCTGGAGGTAAGCGGAATATGTCATGTAGCGGTGAAATGCTTAGATATGACATAGAACACCCATTGCGAAGGCAGCTTACTACGGGATTATTGACACTGAGGCTCGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTAGTCCACGCCCTAAACGATGGATACTCGACATCAGCGATACACTGTTGGTGTCTGAGCGAAAGCATTAAGTATCCCACCTGGGAAGTACGACCGCAAGGTTGAAACTCAAATGAATTGACGGGG

>OTU10680;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.9280),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);

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CGTAGGTGGACTGGTAAGTCAGTGGTGAAAGTTTGGGGCTGAAGCGGAAAATTGCAGTTGATACTGTCAGGCTTGA
GTACAGGAGAGGTGAGCGGAATCCGTGGTGTAGCGGTGAAATGCTTAGAGATCACGAAGAACTCCGATGGCGAAG
GCAGCTAACTGGACTGCAACTGACACTGATGCGCGAAAGTGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU10681;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Rumi
nococcaceae(0.4563),g:Intestinimonas(0.0712);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
CCTCGGGTTGTAAACTTCTTTGACAGGGGACGATAATGACGGTACCCTGAAAACAAGCTCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGAGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGATAGCA
AGTCAGATGTGAAATACCGAGGCTCAACCTCGGGGCTGCATTTGAAACTGTTATTCTTGAGTGATGGAGAGGTAGGC
GGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGACATTA
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>OTU10682;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Rumi
nococcaceae(0.1291),g:Clostridium_III(0.0204);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGT
TTTCGGATTGTAAACCTCTGTCTTTGGTGACGAAGAAGTGACGGTAACCAAGGAAGAAGCCACGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGTTGCGCGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGCTGC
AAGTCAGATGTGAAATGCATGGGCTCAACCCATGAGCTGCATTTGAAACTGTAGACCTTGAGTATCGGAGAGGCAAG
CGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGAC
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679),f:Erysipelotrichaceae(0.1291),g:Turicibacter(0.0230);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGT
CCTATGGATTGTAAACTGCGTTTTTCGGGGAATAATAAGACTTTTGCGAAGGTTGATGCAGGTACCCGAAGAATAAG
GATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATTCGAGCGTTATCCGGATTTATTGGGCGTAAAGAG
CGCGCAGGTGGTTGATTAAGTCTGATGTGAAAGCCCACGGCTTAACCGTGGAGGGTCATTGGAAACTGGTCGACTTG
AGTGCAGAAGAGGGAAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGAGATATGGAGGAACACCAGTGGCGAA
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>OTU10685;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9892),o:Lactobacillales(0.9938),f:Lactob
acillaceae(0.9108),g:Lactobacillus(0.5720);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGTAGGG
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GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGAGATATCCGGATTTATTGGGCGT
AAAGCGAGCGCAGGCGGTTGCTTAGGGCGGATGTGAAAGCCTTCGGCGTAAACGAAGAAGGGCATCGGAAACCGG
GCGACTTGAGTGCAGAAGAGGACAGTGTAACTCCATGTGTAGCGGTGGAAGGCGCAGATATATGGAAGAACACCAG
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GTA

>OTU10684;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Lach
nospiraceae(0.9108),g:Lachnospiracea_incertae_sedis(0.7162);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGAAGAAGTA
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GCAGCCGCGGTAATACGTATGGAGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCGAGGCAA
GTCAGATGTGAAAGACCGGGGCTGAACTCCGGGGCTGCATTTGAAACTGTCTGGCTGGAGTACAGGAGAGGCAGGC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACTGTT
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>OTU10687;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9966),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.
6138),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0326);

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CCGGCTAATTCCTTGCCACCAGCCGCGTTAATACGGAAGTTCCGGGCTTTATCCGGATTTATTGGGTTTAAAGGGAGC
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TGCGCGCAACGTTGGCGGAATTCGCCGTGTAGCGGTGAAATGCTTAGATATGGCGAAGAACTCCGATTGCGAAGGC
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>OTU10686;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.
5766),f:"Prevotellaceae"(0.3204),g:Prevotella(0.0230);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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>OTU10690;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8755),o:"Bacteroidales"(0.
7252),f:"Prevotellaceae"(0.1679),g:Prevotella(0.0423);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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CGTAGGTCGAAGATTAAGTGAGTTGTGAAATTTTGTGGCTCAACCGCAGCACTGCAGCGGAAACTGGTCTTCTTGAG
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>OTU10688;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Eubacteriaceae(0.2184),g:Eubacterium(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGATGCCGCGTGAAGGATGAAGTA
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>OTU10691;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachnospiraceae(0.2864),g:Clostridium_XlVa(0.0808);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGACGCAAGTCTGATGCAGCAACGCCGCGTGAGTGAAGAAGTA
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CAGACGGAAATGCAAGTCTGATGTGAAAGCCCGGGGCTCAACCCCGGAACTGCATTGGAAACTGTATAGCTGGAGT
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>OTU10692;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.9389),f:"Prevotellaceae"(0.8505),g:Prevotella(0.5720);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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>OTU10689;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:"Bacteroidia"(0.0726),o:"Bacteroidales"(0.0473),f:"Marinilabiaceae"(0.0113),g:Anaerophaga(0.0056);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGAAGTCTGAACCAGCCATGCCGCGTGAAGGAATAAGGC
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1),f:Cytophagaceae(0.9879),g:Hymenobacter(0.9875);
GTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTGTCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGCC
CGTTAAGTCCGGGGTGAAAGCCCACTGCTCAACAGTGGAACTGCCCTGGATACTGACGGGCTTGAGTCCAGACGAG
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8846),f:"Prevotellaceae"(0.7068),g:Prevotella(0.2607);
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ridiaceae_1(0.1098),g:Clostridium_sensu_stricto(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
CTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAAGAAGCCACGGCTAACTCCGTGCCA
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>OTU10696;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9572),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.
4652),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0423);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
TGCGCAGGCGGTATGGTAAGCTAGTTGTGAAATGCCGGGGCTCAACCCTGGCACTGCAGCTCAAACTGCTGTACTTG
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nospiraceae(0.3204),g:Clostridium_XlVa(0.0808);
ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGAGGAAACTCTGATGCAGCAACGCCGCGTGAGTGAAGAAGTA
TCTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCA
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acillaceae(0.6709),g:Lactobacillus(0.2607);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
TTTCGTCTCGTAAAGCTCTGTTGTTGGATAAGAACGTGCGTTAGAGTAACTGTTCACGCAGTGACGGTATCCAACCAG
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AGCGAGCGCAGGCGGTTGCTAAGGTCTGATGTGAAAGCCTTAGGCTGAACAGAAGAAGTGAAACGGAAAACGGGA
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GCAGCCGCGGTAATACGTATGGAGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGTGTAGGTGGAATCACAA
GTCAGAAGTGAAAGCCCGGGGCTCAACCCCGGGACTGCTTTTGAAACCGTGGAGCTAGAGTTCAGGAGGGGCAAGT
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9843),f:"Prevotellaceae"(0.9480),g:Prevotella(0.9085);
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0000),f:Marinilabiliaceae(0.0000),g:Mangroviflexus(0.0000);
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nococcaceae(0.3204),g:Clostridium_III(0.0519);

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ridiaceae_1(0.0560),g:Clostridium_sensu_stricto(0.0134);
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riales"(0.2039),f:Sphingobacteriaceae(0.0904),g:Solitalea(0.0181);

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riales"(0.1249),f:Chitinophagaceae(0.0457),g:Crenotalea(0.0110);
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3639),f:"Porphyromonadaceae"(0.0904),g:Parabacteroides(0.0181);
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nospiraceae(0.3544),g:Roseburia(0.0712);
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2679),f:"Prevotellaceae"(0.0710),g:Prevotella(0.0157);

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(0.0781),f:Orbaceae(0.0252),g:Frischella(0.0076);
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nospiraceae(0.2864),g:Clostridium_XlVa(0.0808);
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nospiraceae(0.4224),g:Anaerostipes(0.1735);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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viitaleaceae(0.0904),g:Defluviitalea(0.0181);

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8629),f:"Prevotellaceae"(0.5991),g:Prevotella(0.2607);
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8955),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);
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8737),f:"Prevotellaceae"(0.6350),g:Prevotella(0.2607);

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nospiraceae(0.2184),g:Roseburia(0.0423);
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nococcaceae(0.1872),g:Intestinimonas(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGG
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GCAAGTCAGATGTGAAAATTATGGGCTCAACCCATAACCTGCATTTGAAACTGTTTTTCTTGAGGACCGGAGAGGTAA
ACGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATCAGGAGGAACACCGGTGGCGAAGGCGGTTTACTGGACGG
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>OTU10728;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Rumi
nococcaceae(0.5273),g:Ruminococcus(0.0808);

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AGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGATCGC
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4652),f:"Porphyromonadaceae"(0.1872),g:Barnesiella(0.0230);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGCAAGGCTGAACCAGCCAAGTCGCGTGAGGGAATAAGGC
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GGTGCGCAGGCGGAGAGACAAGTCAGCGGTAAAATTTCGGGGCTTAACCCCGGCGAGCCGTTGAAACTGTCTCCCTT
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>OTU10729;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Lach
nospiraceae(0.4563),g:Clostridium_XlVa(0.1735);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGTTGCAGCGACGCCGCGTGAGTGAAGAAGTA
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ridiaceae_2(0.0355),g:Alkaliphilus(0.0087);
ACGGGAGGCAGCAGTCGGGAATATTGCGCAATGGAGGAAACTCTGACGCAGTGACGCCGCGTATAGGAAGAAGGT
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CAGCAGCCGCGGTAATACATAGGGAGCGAGCGTTATCCAGATTTATTGGGTGTAAAGGGTGCGTAGACGGGAATTT
AAGTTGGTTGTGAAATCCCTCGGCTCAACCGAGGAACTGCAACCAAAACTGAATTTCTTGAGTATCGGAGAGGAAAG
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>OTU10731;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Euba
cteriaceae(0.1872),g:Eubacterium(0.0519);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGT
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CAAGTTGGATGTTACATACCGAGGCTTAACCACGGAGCTGCATCCAAAACTGTTGTTCTTGAGTGAAGTAGAGGTAG
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acillaceae(0.7787),g:Lactobacillus(0.5239);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGCT
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acillaceae(0.9852),g:Lactobacillus(0.9724);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTT
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319),f:Erysipelotrichaceae(0.1679),g:Turicibacter(0.0423);
ACGGAAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGAATGATGAAGGC
CTTCGGGTTGTAAAATCCTGTTATAAGGGAAGAACGACTTTAGTAGGAAATGGCTAGAGTGTGACGGTACCTTATGA
GAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTA
AAGGGTGTATAGGCGGGACGACAAGTCAGATGTGAAACTCATTGGCCCAAACCATGACCTGCATTTTAAACTGCCGG
TCTTGAGGGTCGGAGAGGTAAATGGAATTCCCGGTTTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCAGTGG
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>OTU10736;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9733),o:Clostridiales(0.8955),f:Euba
cteriaceae(0.3204),g:Eubacterium(0.0904);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
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GCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGTCTTTTAA
GTCAGAAGTGAAAGGCTACGGCTTAACCGTAGTAAGCTTTTGAAACGGGAGGACTTGAGTGCAGGAGAGGAGGGT
GGAATTCCTAGTGTAGCGGTGAAAGGCGTAGATATAAGGAGGAACACGAGTAGCGAAGGGGGCTCTCGGGATTGT
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0413),f:"Porphyromonadaceae"(0.0099),g:Odoribacter(0.0046);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGT
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>OTU10739;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Clost
ridiaceae_1(0.1679),g:Clostridium_sensu_stricto(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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>OTU10740;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9892),o:"Bacteroidales"(0.
9938),f:"Porphyromonadaceae"(0.9898),g:Barnesiella(0.9915);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGCAGACTGAACCAGCCAAGTCGCGTGAGGGAAGACGGC
CCTACGGGTTGTAAACCTCTTTTGTCGGAGAGTAAAGTACGCTACGTGTAGCGTATTGCAAGTATCCGAAGAAAAAG
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>OTU10741;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Bacilli(0.9820),o:Lactobacillales(0.9707),f:Strept
ococcaceae(0.9015),g:Streptococcus(0.8605);

ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGACGGAAGTCTGACCGAGCAACGCCGCGTGAATGAAGAAGGT
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>OTU10743;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9903),o:Lactobacillales(0.9497),f:Lactob
acillaceae(0.8864),g:Lactobacillus(0.7162);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTT
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>OTU10737;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Clost
ridiaceae_1(0.2864),g:Clostridium_sensu_stricto(0.0615);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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>OTU10744;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9887),o:Lactobacillales(0.9497),f:Strept
ococcaceae(0.8146),g:Streptococcus(0.7162);

ACGGAAGGCAGCAGTAGGGAATCTTCGGCAATGGGGGCAACCCTGACCGAGCAACGCCGCGTGAGTGAAGAAGGT
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>OTU10742;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Bacilli(0.9733),o:Lactobacillales(0.8846),f:Lactobacillaceae(0.6350),g:Lactobacillus(0.3043);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCCACACCGCGTGAGTGACGACGGGTTTCGGCTCGTAAAGCTCTGTTTTTAGAGAAGAACGTTCGTGCGCGCAACTGTTCACGCAGTTACGGTATCTAACCAGACAGTCACGGCTCACTACGTCCCAGCAGCCGCTGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTGGTAAGTGTGATGTGAAAGCCATTGGCTTAACCAAAGAAGTGCAGCGGGAACTGTTAGACTTGAGTGCAGAAGAGGGAAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGACTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU10745;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8755),o:"Bacteroidales"(0.7252),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0615);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTGGGGGACGCGTCCCTTTTTGCAGGTACCGTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTACTACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCTGGAGAGTAAGCGTGGTGTGAAAGGCCGCGGCTCAACCGTGGCAGTGCAGCGCGAACTGGTAGCCTTGAGTGCGCTGGAAGTGGGCGGAATTTGTTGTGTAGCGGTGAAATGCGTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTGACTGGATCGCGACTGACGCTGAAGCTCGAAAGTGCGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU10747;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9877),o:Lactobacillales(0.9063),f:Lactobacillaceae(0.8505),g:Lactobacillus(0.4787);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTAGGTAGTGAAGAAAGATAGAGGTAGTAACTGTCCTTTATTTGACGGTAATTACTTAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGTGCAGGCGGTTCAAGAAGTCTGATGTGAAAGGCGTGGGCGCAACCGGAGAATTGCATCAGAAACTGTTGCGCATGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTTGAATGCGGAGATATATGGAAGAACACCAGTGGACAGGGCGGCTGTCTGGTATGCAACTGACGCTGAGGCTAGAAAGCATGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU10746;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9638),c:Betaproteobacteria(0.6730),o:Burkholderiales(0.3319),f:Burkholderiaceae(0.1485),g:Burkholderia(0.0326);

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acillaceae(0.9201),g:Lactobacillus(0.7643);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGACGGG
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nospiraceae(0.0560),g:Lachnospiracea_incertae_sedis(0.0134);
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nospiraceae(0.1291),g:Lachnospiracea_incertae_sedis(0.0134);
ACGGGAGGCAGCAGCAGGATTTGATACCCTGGTGAGATCGGAAGAGCACACGTCTGAACTCCAGTCACTGTTCGATC
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>OTU10750;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Rumi
nococcaceae(0.2524),g:Saccharofermentans(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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riales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Solitalea(0.0056);
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0413),f:Prolixibacteraceae(0.0099),g:Prolixibacter(0.0046);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
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riales"(0.0352),f:Sphingobacteriaceae(0.0086),g:Pedobacter(0.0043);
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>OTU10836;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Rumi
nococcaceae(0.3884),g:Ruminococcus(0.1299);

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>OTU10838;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Ruminococcaceae(0.2184),g:Clostridium_III(0.0519);
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ostreptococcaceae(0.0710),g:Clostridium_XI(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
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0000),f:Thermoanaerobacteraceae(0.0000),g:Ammonifex(0.0000);
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bacteriales"(0.8737),f:Enterobacteriaceae(0.7787),g:Escherichia/Shigella(0.3043);
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ostreptococcaceae(0.2524),g:Clostridium_XI(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCAGCGTGAGCGATGAAGGC
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nospiraceae(0.4224),g:Blautia(0.1299);
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rionales(0.0000),f:Desulfovibrionaceae(0.0000),g:Desulfovibrio(0.0000);
TCGTGATCTTGGTCGTATGGTTCTTGCTGCCGAGGGTCGCCAGGCTACTGATTCACCCGCCGCCTGCTATCAGTATTTT
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nococcaceae(0.4224),g:Oscillibacter(0.0519);
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s(0.2999),f:Bifidobacteriaceae(0.1485),g:Bifidobacterium(0.0326);
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ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTGTCAGGGACGAGTAGAAGACCGTACCTGACGAATAAGCCACGGCCAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGAGGGTAAGTCAGGTGTGAAATCCACGGGGTCAACCCGTGAACTGCAGTTGAAACTGGTGTGCTTGAGTACGGGAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGGCAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU10859;tax=d:Bacteria(0.0024),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Clostridiales(0.0000),f:Clostridiales_Incertae_Sedis_XIII(0.0000),g:Mogibacterium(0.0000);
TATTAAGCTCATTCAGGCTTCTGCCGTTTTGGATTTAACCGACGATGATTTCGATTTTCTGCCGAGTAACAAAGTTTGGCTTGCTCCTGACCGCTCTCGTGCTCGTCGCTGCGTTGAGGCTTGCGTTTATGGTACGCTGGACTTTGTAGGATACCCTCGCTTTCCTGCTCCTGTTGAGTTTATTGCTGCCGTCATTGCTTATTATGTTCATCCCGTCAACATTCAAACGGCCTGTCTCATCATGGAAGGCGCTGAATTTACGGAAAACATTATTAATGGCGTCGAGCGTACGGTTAAAGCCGCTGAATTGTGCGAGTTTACATTGCGTGTACGAGCAGGAAACACTGACGTTCTGACGGACGCAGAAGAAAACGTGCGTAAAAAATTACGTGCAGAAGGAGTGATGGAAGGTCTAAAGGTAAAAAACGG

>OTU10857;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Bacilli(0.9740),o:Lactobacillales(0.8737),f:Lactobacillaceae(0.7068),g:Lactobacillus(0.4351);

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>OTU10858;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9791),o:"Bacteroidales"(0.9730),f:Bacteroidaceae(0.9108),g:Bacteroides(0.9085);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTCTATGGGTCGTAAACTGCTTTTATATAAGAATAAAGTGCAGTATGTATGCTGTTTTGTATGTATTATATGAATAAGGATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGGTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTGGCACTGCAGTTCGTACTGTCAGTCTTGAGTGCAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCGCTGGACTGCTACTGACACTAATGCTCGAAAGTGCGGGTACCGAACAGGATTAGATACCCTGGTA

>OTU10860;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Ruminococcaceae(0.6350),g:Oscillibacter(0.0808);

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>OTU10861;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:"Bacteroidia"(0.3483),o:"Bacteroidales"(0.1483),f:Marinilabiliaceae(0.0457),g:Alkalitalea(0.0110);

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>OTU10862;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Rumi
nococcaceae(0.2524),g:Intestinimonas(0.0230);
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coccaceae(0.4224),g:Enterococcus(0.1299);
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GAGGCATGAAAACATACAATTGGGAGGGTGTCAATCCTGACGGTTATTTCCTAGACAAATTAGAGCCAATACCATCA
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9606),f:Bacteroidaceae(0.8864),g:Bacteroides(0.8124);
ACGGGAGGCAGCAGTGAGGAATATCGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGCAGGATGAAGGC
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CGTAGGTGGACTGGTAAGTTAGTTGGAAAACTTTGCGGCTCAACCGGAAAATTGCAGTTGATACTGTCAGTCTTGAG
TACAGTAGAGGTGGGCGGAATTCGTGGGGTAGCGGGGAAAGGCTTAGATACAACGAAGAACTCCGATGGCGAAGG
CAGCTCACTGGACTGCAATGGACACTGATGATCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGA
>OTU10892;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.
5023),f:"Prevotellaceae"(0.1872),g:Prevotella(0.0519);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGGAAGGCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
CCTATGGGTTGTAAACTGCTTTTGTACGGGAATAACGGTCTTTACGTGTAGAGATGTGCATGTACCGTACGAATAAGG
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCGGAAGATCAAGTCAGTTGTGAAATGTAGATGCTCAACATCTGCACTGCAGTTGAAACTGGTTTTCTTGA
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>OTU10894;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9994),c:Gammaproteobacteria(0.9755),o:"Entero
bacteriales"(0.8629),f:Enterobacteriaceae(0.7428),g:Escherichia/Shigella(0.3479);

ACGGAAGGCAGCAGTGGGGAATCTTCCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGCC
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GAAGCAACGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTA
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GCTTGAGTCTCGTAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGGAATGCGTAGAGATCTGGAGGAATACCGGTG
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GTA

>OTU10893;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Lachnospiraceae(0.3884),g:Blautia(0.0904);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTA
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GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGATGGACA
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CGGAAGTCCAGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGATTACTGGACGG
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>OTU10896;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Ruminococcaceae(0.0904),g:Intestinimonas(0.0110);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCGGACGCAGCAACGCCGCGTGAAGGAAGAAGG
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GCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGATG
GCAAGTCAGATGTGAAATCCATGGGCTCAACCCATGAACTGCATTTGAAACTGTCGTGCTTGAGTATCGGAGAGGCA
AGCGGAATTCCTAGTGTAGCGGTGAAATGCTTAGATATTAGGTGGAACAACAGTGGCGAAGGCGGCTCTCTGGCTG
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>OTU10895;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9755),o:Clostridiales(0.9389),f:Clostridiaceae_1(0.7068),g:Clostridium_sensu_stricto(0.4351);

CCTTTCTTCCTCCTTTTTTCCTCTTTCCCCCTTTTTTCCCCCCTGCTGCCTCCACGCCGCGTGAGTGATGACGGCCTTCGG
GTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGCGGAAGCCACGGCTACCTACGTGCCAGCCGCC
GCGGTAATCCGTAGGTGGCGCGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAAGTGAGA
TGTGAAATACCCGGGCTCAACGTGGGTGCTGCATGGCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAATGGAATT
CCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTAACTGAC
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>OTU10897;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Peptostreptococcaceae(0.2864),g:Clostridium_XI(0.0808);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAACAACGCCGCGTGAGCGATGAAGGC
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GCAGCCGCGGTAATACGTAGGGGGCTAGCTTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAG
TCAGCGGTGAAAGGCTACGGCTCAACCGTAGTAAGCCTTTGAAACTGGGAAACGTGAGTGCAGGGGAGGAGAGTG
GAATGCCTGGTGGAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCGGCTCTCCGGACTATAA
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>OTU10900;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9992),c:Epsilonproteobacteria(0.9947),o:Campylo
bacterales(0.9866),f:Helicobacteraceae(0.9868),g:Helicobacter(0.9085);
ACGGGAGGCAGCAGTAGGGAATATTGCTCAATTTTTTCACCCCTGCCTCCTCCACGCCGCGTGGAGGATGAAGGTTTT
CGGATTGTAAACTCCTTTTCTAAGAGAAGATTATGACGGTATCTTAGGAATAAGCACCGGCTAACTCCGTGCCAGCAG
CCGCGGTAATACGGAGGGTGCAAGCGTTACTCGGAATCACTGGGCGTAAAGAGCGCGTAGGCGGGATAGCAAGTC
AGATGTGAAATCCTATGGCTTAACCATAGAACTGCATTTGAAACTGTTATTCTAGAGTATGGGAGAGGTAGGTGGAA
TTCTTGGTGTAGGGGTAAAATCCGTATAGATCAAGAGGAATACGCATTGCGAAGGCGACCTGCTGGAACATAACTGA
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>OTU10899;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Clost
ridiaceae_1(0.4224),g:Clostridium_sensu_stricto(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGGC
CTTTGGGTTGTAAAGCTCTTTTTTCAGGGACGATAATGACGGTACCTGCGGAGGAAGTCACGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGTGGCAAGCCTTGTTCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTTTTAA
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GGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGTTTCTCTGGACTAAA
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>OTU10898;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Clost
ridiaceae_1(0.0904),g:Clostridium_sensu_stricto(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTCCACAATGGGCGCAAGCCTGATGGAGCAATGCCGCGTGAGTGAAGAAGGG
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GAAAGTCCCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTATTGGGCGTA
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GTCTAGAGTGCAGAAGAGGGGGGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCGGT
GGCGAAGGCGGTTCTCTGGACGGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTG
GTA
>OTU10901;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Clost
ridiaceae_1(0.6709),g:Clostridium_sensu_stricto(0.4787);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGCAACCCTGATGCAGCAACGCCGCGTGTGTGATGACGGC
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GCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGCGCGTAGGCGGACTTTTCA
GTGAGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCATTTGAAACGGGAAGTCTAGAGTGCGGGAGAGGAGAAT
GGAATTCCTAGTGTAGAGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTA
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>OTU10902;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9168),c:Spirochaetia(0.7881),o:Spirochaetales(0.50
23),f:Spirochaetaceae(0.3204),g:Treponema(0.0519);

ACGGAAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGGATGAGGAAGGC
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ACTAAGCACCGGCTAATTACGTGCCAGCAGCCGCGGTAACACGTTAGTTGCGAGCGTTGTTCGGAATTACTGGGCGT
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AGCTTGAGTCGCTGAGGCGGAAGTGGAATTCCAGGTGTAGGGGTGAAATCGGTAGATATCAGGAGGAACACCAATG
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GTA

>OTU10903;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Rumi
nococcaceae(0.5632),g:Oscillibacter(0.2171);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGACGCAAGTCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGCAGCCGGGTCTGC
AAGACAGATGTGAAATCCGCGGGCTTAACCCGCAAACTGCATTTGAAACAGTGGATCTTGACTATCGGAGAGGTCAT
CGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGATTACTGGACGAC
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>OTU10904;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8189),o:Clostridiales(0.5395),f:Rumi
nococcaceae(0.2864),g:Oscillibacter(0.0230);

ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGGCGCAAGCCTGACGCAGCAACGCCGCGTGAAGGAAGAAGGC
TTTCGGGTTGTAAACTTCTTTTATCAGGGACGAGGAGAGGACGGTACCTGACGAATAAGCCACGGCTAACTACGTGC
AAACAGCCGCGGTAATACGGAGGTGGCAAGCGCTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGAGGG
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GCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGACTGCTGGACGA
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>OTU10905;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9987),c:Gammaproteobacteria(0.9747),o:"Entero
bacteriales"(0.8412),f:Enterobacteriaceae(0.6709),g:Escherichia/Shigella(0.3043);

ACGGTAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGCC
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AAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGCTGGTGCAAGCGTTGATCGGAATTACTGGGCGTAA
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>OTU10907;tax=d:Bacteria(1.0000),p:Firmicutes(0.9994),c:Clostridia(0.9784),o:Clostridiales(0.9707),f:Clost
ridiaceae_1(0.7068),g:Clostridium_sensu_stricto(0.4351);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGGC
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GCCGCCGCGGTAATACGTAGGCGGCGAGGGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAA
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GGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTA
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>OTU10906;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Rumi
nococcaceae(0.1485),g:Intestinimonas(0.0157);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAAGGAAGAAGG
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AGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAAATTAGGAGGAACACCAGTGGAGAAGGCGGTAAACTGGACGAT
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>OTU10908;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9776),o:Clostridiales(0.9685),f:Clost
ridiaceae_1(0.6709),g:Clostridium_sensu_stricto(0.5239);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGGTGGAGGT
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AGCAGCCGCGGTAATACGCAGGTGGCGACCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTA
AGTGGGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCATTCCAAACTGGTTATCTTGAGTGCAGTAGAGGAGAGT
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACTCCGGTGGCGAAGGCGACTCTCTGGACTGTA
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>OTU10909;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Clost
ridiaceae_1(0.3204),g:Clostridium_sensu_stricto(0.0904);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGGC
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GCAGCCGCGGTAACATGCAGGTGGCATGAGTTGTCCGGAGTTACGGGGCGTAAAGGGAGCGTAGGCGGATTTTTAA
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TGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGCAAGACCACCAGTGGCGAAGGCGCTTCTCTGGACTGTAA
CTGACGCTGAGTCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCCGGTA
>OTU10911;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6036),c:"Bacteroidia"(0.0726),o:"Bacteroidales"(0.
0473),f:Prolixibacteraceae(0.0113),g:Prolixibacter(0.0056);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
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bacteriales"(0.3639),f:Enterobacteriaceae(0.1872),g:Escherichia/Shigella(0.0230);
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>OTU10913;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9604),o:Clostridiales(0.8520),f:Rumi
nococcaceae(0.5632),g:Intestinimonas(0.0904);
ACGGGAGGCAGCAGTGGGGAATATTGGTCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAAGAAGAAGGC
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>OTU10914;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9755),o:Clostridiales(0.9389),f:Clost
ridiaceae_1(0.5991),g:Clostridium_sensu_stricto(0.4351);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGC
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GCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTAGTAA
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GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTA
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>OTU10912;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.8988),c:Actinobacteria(0.7497),o:Coriobacteriales(0.4652),f:Coriobacteriaceae(0.2864),g:Atopobium(0.0808);

ACGGAAGGCAGCAGTGGGGAATCTTGCGCAATGGGGGAAACCCTGACGCAGCGACGCCGCGTGCGGGATGAAGGC
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ACGTGCCAGCAGCCGCGGTAATACGTATGGAGCAAGCGTTATCCGGATTCATTGGGCGTAAAGCGCTCGTAGGCGG
TCTGCAAGTCAGATGTGAAATCCATGGGCTCAACCCATGAACTGCATTTGAAACTGTGGATCTTGAGTGTCGGAGGG
GCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTCCTGG
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>OTU10915;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Erysipelotrichia(0.8331),o:Erysipelotrichales(0.6138),f:Erysipelotrichaceae(0.4224),g:Turicibacter(0.2171);

ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGAATGATGAAGGC
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GAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGAATTATTGGGTGT
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GGTA

>OTU10916;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9867),c:Actinobacteria(0.9711),o:Coriobacteriales(0.8737),f:Coriobacteriaceae(0.7787),g:Collinsella(0.3479);

ACGGGAGGCAGCAGTGGGGAATCTTGCGCAATGGGGACAACCCTGACGCAGCGACGCAGAGTGCGGGACGGAGG
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CAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGATTCATTGGGCGTAAAGCGCGCGTAGGCGGCCCGGC
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GGTGGAACACCCGGTGTAGCGGTGTAATGCGCAGATATCGCGTGGAACTCCAGTGGCTTAGGCGGCCCTCTGGTCCT
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>OTU10919;tax=d:Bacteria(0.0024),p:"Proteobacteria"(0.0000),c:Deltaproteobacteria(0.0000),o:Syntrophobacterales(0.0000),f:Syntrophaceae(0.0000),g:Smithella(0.0000);

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bacteriales"(0.8520),f:Enterobacteriaceae(0.7068),g:Escherichia/Shigella(0.3479);
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nococcaceae(0.4914),g:Anaerotruncus(0.0712);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGGGAAGACGGT
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iales(0.0000),f:Oxalobacteraceae(0.0000),g:Herbaspirillum(0.0000);

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cteriaceae(0.0710),g:Eubacterium(0.0157);

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291),f:Erysipelotrichaceae(0.0073),g:Erysipelothrix(0.0039);
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s(0.4652),f:Neisseriaceae(0.2864),g:Andreprevotia(0.0808);
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4652),f:"Prevotellaceae"(0.1291),g:Prevotella(0.0157);
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6881),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0615);
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s(0.8846),f:Neisseriaceae(0.8146),g:Neisseria(0.3043);
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352),f:"Victivallaceae"(0.0086),g:Victivallis(0.0043);
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riales"(0.1249),f:Sphingobacteriaceae(0.0457),g:Pedobacter(0.0076);
ACGGGAGGCAGCAGGGAGGAAGATTGGTCAATGGGCGGAATCCTTAACCAGCCATGCCGCTTTAAGGAATAAGTCC
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nospiraceae(0.2184),g:Clostridium_XlVa(0.0615);
ACTTTATTCATCATTTTTTAATTTTTTACAATTTTTCAACCCTTATCCATCCATTCCTCGTTCAGGATGAATGTCTTCGGAT
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2359),f:"Prevotellaceae"(0.0560),g:Prevotella(0.0134);
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AAGGGAGGAAGAAGAGGGTCCTCTTGCACAATTGGCGAACTCCTTCTTCCTCCACTCCTCTTGAGCGATGAAGGCCTT
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nococcaceae(0.2524),g:Clostridium_IV(0.0181);
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riales"(0.0413),f:Sphingobacteriaceae(0.0099),g:Pedobacter(0.0046);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGGCATGCCGCGTGCAGGAAGGAGGT
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9497),f:"Prevotellaceae"(0.7428),g:Prevotella(0.6200);
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nococcaceae(0.1485),g:Anaerofilum(0.0204);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGAGGAAACTCTGATGCAGCAACGCCGCGTGAGGGAAGAAGGT
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nococcaceae(0.1098),g:Pseudoflavonifractor(0.0134);
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1483),f:"Porphyromonadaceae"(0.0560),g:Barnesiella(0.0087);
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nospiraceae(0.3884),g:Dorea(0.1299);
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280),f:Erysipelotrichaceae(0.9108),g:Turicibacter(0.9085);
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nospiraceae(0.4563),g:Dorea(0.1299);
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9606),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);
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9941),f:Bacteroidaceae(0.6350),g:Bacteroides(0.4787);
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5395),f:Bacteroidaceae(0.1291),g:Bacteroides(0.0230);
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66),f:Spirochaetaceae(0.3884),g:Treponema(0.0808);
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4280),f:Bacteroidaceae(0.1291),g:Bacteroides(0.0230);
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ridiaceae_1(0.2184),g:Clostridium_sensu_stricto(0.0615);
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crobiales(0.0000),f:Verrucomicrobiaceae(0.0000),g:Luteolibacter(0.0000);
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CTGGCCTAACGACGTTTGGTCAGTTCCATCAACAGCAGAGCCAGATGCCCAGAGAGTAGAGCGCAGGACAAGTAAA
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>OTU10973;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9441),c:"Bacteroidia"(0.8048),o:"Bacteroidales"(0.
5395),f:Bacteroidaceae(0.1098),g:Bacteroides(0.0204);
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CCTCCGTATTGTAAACTTCTTTTATAAGGGAATAAAACGCTCTACGTGTGGAGCCTTGTCTGTACCTTTTGAATACGCA
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CGCAGACGGGATGTTAAGTCAGATGTGAAAGTTTGGGGCTCAACCGTAAAAGTGCAGTTGATACTGGCGATCTGGA
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>OTU10974;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Rumi
nococcaceae(0.9108),g:Gemmiger(0.1299);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAATCCTGATGCAGCGACGCCGCGTGGAGGAAGAAGGT
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CAGCCGCGGTAAAACGTAGGGTGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGACAGGCAA
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libacteraceae(0.0457),g:Gracilibacter(0.0110);
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6138),f:Bacteroidaceae(0.3204),g:Bacteroides(0.0904);
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GTAGGTGGACTGGTAAGTCAGTAGTGAAAGATTCCGGCTCAACGGTGAGGTTGCAGTTGATACTGGGGGTCTGGAG
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0.0000),f:Ferrovaceae(0.0000),g:Ferrovum(0.0000);
GCGAACCATTCCGCGGCTTTACCCGGCCCCTCGACGCCATTACTCATGTTTTCCGTCACTTCCGCGCCTTCCATGCTGA
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nococcaceae(0.7428),g:Clostridium_IV(0.4351);
ACGGGAGCCGCCGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGTT
TTCGGATTGTAAACCTCTGTCCTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCTCCGGCTAACTACGTGCCAG
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>OTU10975;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Rumi
nococcaceae(0.5991),g:Gemmiger(0.0615);
ACGGGAGGCAGCAGTGGGGGATATTGGACAATGGGGGAAACCCTGATGCAGCCACGCCGCGTGGAGGAAGAAGG
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AGTTAGAAGTGAAATCTATGGGCTCAACCTAGAAATTGCTTGCAAAACTGCTGACCTTGAGTAGTGCAGAGGTAGGA
GGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACCAACTGGTCAACA
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>OTU10979;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.
9606),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);
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>OTU10980;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lach
nospiraceae(0.5632),g:Lachnospiracea_incertae_sedis(0.3043);
ACGGGAGGCAGCAGTGGGTAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGAAGAAGTA
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GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACGATGA
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>OTU10981;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:Sphingobacteriia(0.0726),o:"Sphingobacte
riales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Solitalea(0.0056);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGCCTGAACCAGCCATGCCGCGTGCAGGAAGGAGGC
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nococcaceae(0.1872),g:Papillibacter(0.0326);
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rionales(0.8737),f:Desulfovibrionaceae(0.7068),g:Desulfovibrio(0.4787);
ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGT
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81),f:Spirochaetaceae(0.4914),g:Treponema(0.0904);
ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCCGACGGAGCGACGCCGCGTGAACGAAGAAGGC
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3959),f:Bacteroidaceae(0.1291),g:Bacteroides(0.0230);
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nococcaceae(0.3204),g:Gemmiger(0.0615);
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bacteriales"(0.8737),f:Enterobacteriaceae(0.7787),g:Escherichia/Shigella(0.3479);
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nospiraceae(0.0355),g:Ruminococcus2(0.0066);
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3319),f:"Porphyromonadaceae"(0.1098),g:Parabacteroides(0.0157);
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ridiaceae_1(0.4563),g:Clostridium_sensu_stricto(0.2607);
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4652),f:"Porphyromonadaceae"(0.1291),g:Parabacteroides(0.0204);
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8303),f:"Porphyromonadaceae"(0.3884),g:Parabacteroides(0.1299);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAAGCAGCCAAGTCGCGTGAAGGATGAAGGA
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nococcaceae(0.3884),g:Ruminococcus(0.0808);
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2039),f:"Porphyromonadaceae"(0.0710),g:Barnesiella(0.0157);
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3959),f:Bacteroidaceae(0.1291),g:Bacteroides(0.0230);
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nospiraceae(0.2864),g:Parasporobacterium(0.0519);
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7995),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0808);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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81),f:Spirochaetaceae(0.4914),g:Treponema(0.0904);
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ridiaceae_1(0.4224),g:Anaerosporobacter(0.2171);
ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGGGGAAACCCTGACGCAGCGACGCCGCGTGAGTGAAGAAGTA
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ridiales_Incertae_Sedis_XIII(0.0033),g:Mogibacterium(0.0028);
ACGGAAGGCAGCAGAGGATTAGATACCCTGGTAAGATCGGCAGAGCACACGTCTGGACTCCAGTCACCCGACAACC
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riales"(0.0000),f:Sphingobacteriaceae(0.0000),g:Sphingobacterium(0.0000);
AGGTGAAGTTAAAGGTTCTTATTTAAACATTACTGCTGGTACAATGGAAGAAGTGTACAAACGCGCTGAGTACGCTA
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(0.9940),f:Corynebacteriaceae(0.9873),g:Corynebacterium(0.9837);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCGACGCCGCGTGGGGGATGAAGGC
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CTGTAGGGGTAACTGGAATTCCTGGTGTAGCGGTGAAATGCGCAGATATCAGGAGGAACACCGATGGCGAAGGCAG
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CGTAGGTGGACTGTTAAGTCAGTTGTGAAATGTTGGGGCTCAACCGGAAAATTGCAGTTGGTACTGGCAGTCTTGAG
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>OTU11008;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.9606),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);

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>OTU11007;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9474),c:"Bacteroidia"(0.5195),o:"Bacteroidales"(0.2679),f:"Rikenellaceae"(0.1098),g:Alistipes(0.0204);

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GGGAGGGGGGGGGAGGGGGGGGGGGTGGAGGGCACCGAGAGCCGGGTGCGCCGTCACCGGATGGGTTTCATCAAGCTGGCAGCACCGGTCTCTCACGTTTGGTACCTGAAGGGTATCCCCAGCTATGTGGCCATCCTTTTGGACATGCCCCTGCGGGATGTGGAGCAGATCGTTTACTTCAACTGCTATGTGGTTCTGGATGCGGGTGATCACAAAGACCTGAAGTACAAGCAATTGCTCACGGAAGATGAGTGGCTTGAAATTGAAGACGAGATTTATGCAGAAGATTCAGAAATTGAAAATGAACCCGTCGTTGGAATTGGTGCCGAGGCGCTGAAGCAGCTGCTTGAGGATCTCCAACTCAATGCTGTTGCTGAACAATTACGTGAGGAGATTGCTGGTAGCAAGGGACAGAAACGCGCCAAGCTGACCAAGCGCCTGCG
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000),f:Haloferacaceae(0.0000),g:Halorubrum(0.0000);

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nospiraceae(0.5273),g:Dorea(0.2607);

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GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGAGTGGCA
AGTCTGATGTGAAATCCCGGGGCTCAACCTGAGTGCTGCATTGCAAACTGGTAGTCTGGAGTGCAGGAGAGGTGAG
GGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGT
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8955),f:Bacteroidaceae(0.5991),g:Bacteroides(0.4351);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
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CGGCTAACTCTGTGCCAGCAGCCGCGGTAATACGGAGGTTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGC
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CAGTAGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCGTAGATATCAGGAAGAACACCGATGGCGAAGGCA
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>OTU11026;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9995),c:Gammaproteobacteria(0.9993),o:Xantho
monadales(0.9707),f:Xanthomonadaceae(0.9573),g:Pseudoxanthomonas(0.9705);
GTGCCAGCAGCCGCGGTAATACGAAGGGTGCAAGCGTTACTCGGAATTACTGGGCGTAAAGCGTGCGTAGGTGGTG
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CCAACACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTAGTCCACGCCCTAAACGA
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ridiaceae_1(0.3544),g:Clostridium_sensu_stricto(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATCCAGCAACGCCGCGTGAGTGATGAAGGC
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nococcaceae(0.0457),g:Saccharofermentans(0.0076);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCTGCGTGGAGGAAGAAGGT
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>OTU11030;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Lach
nospiraceae(0.7068),g:Coprococcus(0.4351);

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>OTU11029;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Clostridiaceae_1(0.3884),g:Clostridium_sensu_stricto(0.1735);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGA
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ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGAATGATGAAGGC
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AAGCGAGCGCAGGCGGTTTAATAAGTCTGAAGTTAAAGGCAGTGGCTTAACCATTGTTCGCTTTGGAAACTGTTAAA
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ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGT
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AGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGCTTCTCTGGACTGTA
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ridiaceae_1(0.4563),g:Clostridium_sensu_stricto(0.2607);
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bacteriales"(0.1249),f:Enterobacteriaceae(0.0457),g:Citrobacter(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGATGCAGCCATGCCGCGTGAGGGATGAAGGC
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bacterales(0.3319),f:Campylobacteraceae(0.1679),g:Campylobacter(0.0423);
ACGGAAGGCAGCAGTAGGGAATATTGCGCAATGGGGGAAACCCTGACGCAGCAACGCCGCGTGGAGGATGACACT
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9730),f:"Porphyromonadaceae"(0.9387),g:Butyricimonas(0.9566);

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ridiaceae_4(0.0099),g:Thermotalea(0.0046);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
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9606),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);
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81),f:Spirochaetaceae(0.4914),g:Treponema(0.1299);
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(0.2359),f:Coriobacteriaceae(0.1098),g:Gordonibacter(0.0157);

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ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGT
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ridiaceae_1(0.4563),g:Clostridium_sensu_stricto(0.2171);
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8629),f:"Prevotellaceae"(0.5991),g:Prevotella(0.0808);
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999),f:Erysipelotrichaceae(0.1485),g:Turicibacter(0.0326);
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23),f:Spirochaetaceae(0.3204),g:Treponema(0.0519);

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ridiaceae_1(0.0904),g:Clostridium_sensu_stricto(0.0181);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGC
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>OTU11051;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Lach
nospiraceae(0.2524),g:Robinsoniella(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGATGAAGTT
CTTCGGTATGTAAAGCTCTATCAGTAGGGAAGATAATGACGGTACCCGAGTAAGAAGCCACGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCGTAGCA
AGTCTGATGTGAAAGGCAGGGGCTTAACCCCGGGGCTGCATTGGAAACTGTTTGTCTAGAGTGCAGGAGAGGAAAG
TGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGACTTACTGGACTGT
AACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU11052;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:"Bacteroidia"(0.4428),o:"Bacteroidales"(0.
2039),f:Bacteroidaceae(0.0355),g:Bacteroides(0.0087);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGAGGGATGACTGC
CCTATGGGTTGTAAACCTCTTTTATAAGGGAATAAAATACGGGACGTGTCCTGTTTTGCATGTACCTTATGAATAAGG
ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGT
GCGCAGGCGGGCGTCTAAGTCAGCGGTGAAAGTTCCCGGCTCAACCGGGTCAGTGCCGATGATACTGGGGGCCTTG
AATGCGGTAGAGGCCGGCGGAATGTGGCGTGTAGCGGTGAAATGCGTAGAGATATGGAGGAACACCAGTGGCGAA
GGCGGCTTCCTGGTCTGTAACTGACACTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU11054;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9990),c:Epsilonproteobacteria(0.9462),o:Campylo
bacterales(0.8520),f:Campylobacteraceae(0.7068),g:Campylobacter(0.5720);

ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGT
TTTCGGATCGTAAACCTCTGTCAGGGGGGAGAAACCCCCTCGGGGGAAAAAAGCGAGGGCTTGGCGGTAACCCCAA
AGGAAGCACCGGCTAACTCCGGGGCAGCAGGCGCGGTAATACGGAGGGTGCAAACGTTACTCGGAACCACTGGGC
GTAAAGGGCGCGTAGGCGGATTATCAAGTCTCTTGTGAAATCTAATGGCTTAACCATTAAACTGCTTGGGAAACTGAT
AGTCTAGAGTGAGGGAGAGGCAGATGGAATTGGTGGTGTAGGGGTAAAATCCGTAGATATCACCAAGAATACCCAT
TGCGAAGGCGATCTGCTGGAACTCAACTGACGCTAAGGCGCGGAAGCGTGGGGAGCAAACAGGATTAGATACCCTG
GTA

>OTU11055;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.2999),f:Rumi
nococcaceae(0.1485),g:Clostridium_IV(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
TTTCGGATTGTAAACCTCTGTCGCAGGGGACGAAGGAAGTGACGGTACCCTGTAAGAAAGCCCCGGCTAACTACGTG
CCAGCAGCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGACTGC
AAGTCAGATGTGAAATCTAGGGGCTTAACCCCTAAACTGCATTTGAAACTGTATTTCTTGAGTATCGGAGGGGTAAGC
GGGATTCCTAGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGATGGCGGCTTACTGGACTGTA
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>OTU11056;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9638),c:Spirochaetia(0.9038),o:Spirochaetales(0.79
95),f:Spirochaetaceae(0.5991),g:Treponema(0.2607);
ACGGAAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGAACGAAGAAGGC
CTTAAGGTTGTAAAGTTCTTTTGAAACTGAAGAATAAGTATTGCAGGGAATGGCGATATGGTGACGGTATGTTTTGA
ATAAGCAACGGCTAATTACGTGCCAGCAGCCGCGGTAACACGTAAGATGCGAGCGTTATTCGGAATTATTGGGCGTA
AAGGGCATGTAAGCGGATTTGAAAGCTGAGTGTGAAATGCATAGGCTCAACCTATGAACTGCATTGAGAACTACAAG
ACTTGAGTGAATTAGGTGGAACTGGAATTCCAGGTGTAGGGGTGAAATCTGCAGATATCTGGAAGAACACCAATGG
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>OTU11058;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6036),c:"Bacteroidia"(0.0626),o:"Bacteroidales"(0.
0413),f:Prolixibacteraceae(0.0099),g:Prolixibacter(0.0046);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
CCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACAAGGCGAATA
AGCATCGGCTAACTCCGTGCCAGCAGCCGAGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAG
GGTGCGTAGGCTGTGCGTCAAGTCGTGGGGGAAATTCCGGTTCTCAACACCGGTGCTGCCCTTGATACTGTCGCGCT
GTAGTGCGGATGCCGCCGGAGGAATGAGTAGTGTAGCGGTGATATGCTTAGATATCACTCAGCACACCGATTGCGA
AGGCATCTGTCGAATCCGTAACTGACGCTGAGGCCCGAAAGCGTGGTGATAGAACAGGATTAGATACCCTGGTA

>OTU11057;tax=d:Bacteria(1.0000),p:Firmicutes(0.3448),c:Clostridia(0.1740),o:Clostridiales(0.0547),f:Clostridiaceae_1(0.0113),g:Clostridium_sensu_stricto(0.0056);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGAAGGAAGTGACGGTACCTTAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTCATACGTAGGGGGCGAGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGTGTAGGCGGGAGCATAAGTCCGGAGTGAAAGTCCTGCTTGCAAGGTGGGAATTGCTTTGGAGACTGTACAGCTTGAGGGCGGAGGAGGTAAGTGGAAATCCCAGTGTAGCAGTGAAAAGCGTAGAAATTGAGGGGAACACCAGTTGCGAAGGCGAGTTACTGGGCCGTAACTGACGCTGGGGCGCGAAATCGTGGGGGGCGAACAGGATTAGGTACCCCTGGTA
>OTU11059;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.5174),c:Sphingobacteriia(0.0626),o:"Sphingobacteriales"(0.0413),f:Sphingobacteriaceae(0.0099),g:Solitalea(0.0046);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCCTATGGGCTTTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGACAGTACCAGGCGAATAAGCATCGGCTACCTCCGTGCCATCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTGATTGGGTTTAAAGGGTGCGTAGGCTGTGCGTCAAGTCAGGGGTGAAATTCCGGGGCTCAACTGCGGGGCTGCCCTTGATACTGTCGCGCTGGAGTGCGGATGAGGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACACCGATTGCGAAGGCGACTGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA
>OTU11060;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Eubacteriaceae(0.1872),g:Eubacterium(0.0519);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGTTTTCGGATTGTAAACCTCTGTTTTCGGTGACGAACAAATGACGGTAACCGAGTAGGAAGCCACGGCTAACTAAGTGCCAGCAGCCGCGGTCATACGTAGGTGGCAGGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGACAGCAAGTCAGCTGTGAAAACTGTGGGCTCAACCCAGGAACTGCAGTTGAAACTGGTAGTCTGGAGTGGATGCGAGGGAAGCGGAATGCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTCTAACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU11061;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lachnospiraceae(0.2864),g:Dorea(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGCAAGTCTGATGCAGCGACGCCGCGTGAAGGATGAAGGCTCTCGGTATGTAAACCTCTATCAGTAGGGAAGAAAATGACGGTACCTGACTATGAAGCCCCGGCTAACTACGAGCCAGCAGCCGCGGTAATACGCCGGGGGCAGGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTTTGCAAGCCAGATGTGAAAGCCCGGGGCTCAACCCCGGGACTGCATTGGGAACTGGAATGCTAGAGTGTCGGAGATGCGAGTGGAATTCGTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCAGCTTGCTGGACGATGACTGACGTTGAGGCTCGAAAGCGCGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU11063;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9441),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4652),f:Bacteroidaceae(0.1485),g:Bacteroides(0.0326);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGAGGACGGTCCTACGGATTGTAAACCTCTTTTGTCGGGGAGTAACGTGCGGGACGCGTCCCGTACTGAGAGTACCCGAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGTGTAGGCGGCCGATTAAGTATGGAGTGAAAGTCCTGCTGTCAAGGTGAGAATTGCTTTGTAGACTGGTTGGCTTGAGTACAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGACTGCAACTTACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU11062;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Bacilli(0.6346),o:Lactobacillales(0.3639),f:Lactobacillaceae(0.1872),g:Lactobacillus(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGTTTTCGGATTGTAAACCTCTGTTTTCGGTGACGAACAAATGACGGTAACCGAGTAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGTTGCTTAGGTCTGATGTGAAAGCCTTCGGCTTAACCGAAGAAGTGCATCGGAAACCGGGCGACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGATTACTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU11065;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9507),c:Alphaproteobacteria(0.8472),o:Rhizobiales(0.3639),f:Phyllobacteriaceae(0.1872),g:Nitratireductor(0.0519);
GTGCCAGCAGCCGCGGTAATACGAAAGGGGCAAGCGTTGTTCGGATTTACTGGGCGTAAAGCGCGCGTAGGCGGACCAGAAAGTTGGGGGTGAATTCCCGGGGCTCAACCCCGGAACTGCCTCTAATACTGGTAGTCTAGAGTTCGAGAGAGGTGAGTGGAATTCCGAGTGTAGAGGTGAAATTCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTCACTGGCTCGATACTGACGCTGAGGTACGAAGGTGTGGGGAGCGAACAGGATTAGATACCCTGGTAGTCCACGCCGTAAACGATGGGTACTAGGTGTTGGGTGTCAAAGCTCAGTGCCGCAGTTAACACAATAAGTACCCCGCCTGGGGAGTACGGTCGCAAGACTGAAACTCAAATGAATTGACGGGG
>OTU11064;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.4311),c:"Bacteroidia"(0.2321),o:"Bacteroidales"(0.1015),f:Bacteroidaceae(0.0355),g:Bacteroides(0.0087);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTCTATGGGTCGTAAACTTCATTTATATAAGAATAAAGTGCAGTATGTATACTGTTTTGTATGTATTATATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTGCGTAGGTGGTTATCTAAGCGTAAGGTTTAAGCGTGCAGCTCAACTGCATCTCGCCTTGCGAACTGGACTACTTGAGTGCAGGAGGGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTACTGGACGATAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU11066;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Bacilli(0.6730),o:Lactobacillales(0.3959),f:Lactobacillaceae(0.2184),g:Lactobacillus(0.0615);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGTGTAGGCGGGAAGCCAAGTCAGATGTGAAAATCATGGGCTCAACTCATGACTTGCATTTGAAACTGGTTTTCTTGAGTATGGGAGAGGTAAATGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGATAACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU11068;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Ruminococcaceae(0.0710),g:Clostridium_IV(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGTGGCAACCCTGATCCAGCGACGCCGCGTGAGTGAATAAGTATTTCGGTATGTAACGCTCTATCAGCCGGGAAGAAAAAGCGCGTAAGCGCCCTTGACAGTACCTGACTAAGAAGCCCCGGCTAACTCCGTGCCAGCAGCCGCGGTCATACGGAGGATTCGAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGTGTAGGCGGGATTTTAAGTCAGAAGTAAAAATTACGGGCTCAACGCGTAACATGCTTTTGAAACTGAAATTCTTGAGTGAAGTAGAGGCAGGCGGAATTCCTAGTGTAGCAGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTTTTACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU11067;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Bacilli(0.7881),o:Lactobacillales(0.4652),f:Enterococcaceae(0.2524),g:Enterococcus(0.0712);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTGTCAGGGACGAGTAGAAGACGGTACCTGACGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTCTTTTAAGTCTGATGTGAAAGCCCCCGGCTTAACCGGGGAGGGTCATTGGAAACTGGGAGACTTGAGTGCAGAAGAGGAAAGCGGAATTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAGGAACACCAGTGGCGAAGGCGACTTACTGGGCCGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU11070;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Clostridiaceae_1(0.2184),g:Clostridium_sensu_stricto(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCACAAAGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCCCGGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTTTTAAGTGAGATGTTAAATACTCGGGCTTAACCTGAGTGCTGCATTTCAAACTGGAAGTCTAGAGTGCAGTAGAGGAGTAGTGAATTCCTAGTCTCGCGGTGATATGCGTAGTGATTAGGCAGCGCTCCAGTGGCGTTATCGCTTCTCTGCACTGTATCTGCCGCTGAGTCTCGAAAGCTTGGGCGTCAAACAGGATTAGATTCCCTGGTA

>OTU11069;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9769),o:Lactobacillales(0.9172),f:Lactobacillaceae(0.8146),g:Lactobacillus(0.4351);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGCCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGGTAGTGAAGAAAGTTAGTGGGAGTAACTGGCCACTAATTGACGGTAATCACCTAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTCGATTAAGTCTGATGTGAAAGCCTTCGGCTCAACCGGAGAATTGCATCGGAAACTGGTGAGCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCCCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU11072;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Clostridiaceae_1(0.4224),g:Clostridium_sensu_stricto(0.2171);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTTTTAAGTGAGATGTGAAATACTCGGGCTTAACCTGAGTGCTGCATATAAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAAGGGAAGTCCTAGTGTAGCGGTGAAATGAGAAGAGATGAGGAAGAACACCAGTGGAGAAGGCGCTGCTATGGACTGTAAATGACGATGAGGCTCGAAAGCGTGGGGAGAAAACAGGAGTAACCCTGGTA

>OTU11071;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Clostridiaceae_1(0.2524),g:Clostridium_sensu_stricto(0.0712);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCCACGCCGCGTGCGTGATGACGGTCTTCGGGTTTTAAAGCTCTGTCTTTAGGGGCGATAATGACGGTACCTGAGGAGGAAGCCACGTCTAACTACGTGCCAGCAGCCGCGGTAACACGTCGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAAGTGAGATGTGAAATACTCGGGCTTAACCTGAGTGCTGCATTGCGAACTGGAAGTCTAGAGTGCAGGCGAGGAGAAGGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTACGAAGAACACCAATGGCGAAGGCGCCTCTCTAGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU11074;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Clostridiaceae_1(0.6350),g:Clostridium_sensu_stricto(0.4351);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTTAGGGACGTAAATGACGGTACCTGTGGAGGAAGCCACGGCTAACTACGTGCCAGCACCCGCGGTAATATGCAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAAGTGAGATGTGAAATACCCGGGCTCAACTTGTGAGCTGCATTTCGAACTGGAAGTCTAGAGTGAAGGAGAGGTGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGCTTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU11073;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8448),c:Sphingobacteriia(0.4045),o:"Sphingobacteriales"(0.1719),f:Sphingobacteriaceae(0.0560),g:Parapedobacter(0.0087);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGAATAAGGCCCTATGGGTCGTAAACTTCTTTTGTGGTGGAGCAATAAGGATCTCGAGTGGTCCGATGAGATTACATCACGAATAAGCATCAGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCTGTTTGACAAGTCAGAGGTGAAAGCCCGGGGCTTAACGCCGGAACTGCATTTGATACTGGTGAGCTGGAATGCGGATGAGGTGGGAGGAATGAGTAGTGTAGAGGTGAAATGCATAGATATTACGAAGAACACCGATTGCGAAGGCAGCTCACGAATCCGTAATTGACGCTGAGGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA
>OTU11075;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Ruminococcaceae(0.0710),g:Acetivibrio(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGCAACCCCGATGCAGCAACGCCGCGTGAGTGATGACGGGCTTCGGATTGTAAAGCTCTGTCTTTGGGGACGATAATGACGGTACCCAAGTATGCAGCCACGGACAACTTCGAGCCAGCAGCCGCGGGCATACGTAGGTTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGTTATGCAAGTCGGGAGTGAAATCCATGGGCTCAACCCATGAACTGCTTCCGAAACTGTATGCCTTGAGTATCGGAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU11076;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Peptostreptococcaceae(0.1872),g:Clostridium_XI(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCCGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGATTTATTGGGCGTAAAGGGCGCGTAGGCGGCCCGGTAAGTCTGGAGTGAAAGTCCTGCCTTCAAGGTGGGAATTGCTTTGGGTACTGTCGGGCTTGAGTGCAGGAGAGGTAAGTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGAGATATGGAGGAACACCAGTGGCGAAGGCGGCTTCCTGGTCTGTAACTGACACTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU11077;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Clostridiaceae_1(0.1098),g:Clostridium_sensu_stricto(0.0204);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCCGATGCAGCAATGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGTAGCCACGGCCAACTTCGTGCCAGCAGCCGCGGTTATACGCCGGCGGCAAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGTTTCTTAAGTCAGGAGTGAAAGGCTACGGCTCAACCGTAGTAAGCTCTTGGAACTGGGGAACTTGAGTGCAGGAGAGGAAAGTGGAATTCGTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTAGCGAAGGCAGCTTTCTGGACTGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU11078;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Rumi
nococcaceae(0.3544),g:Intestinimonas(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCCGACCCAGCAACGCCGCGTGAAGGAAGAAGG
CTTTCGGGTTGTAAACTTCTTTTATCAGGGACGAAGGACGTGACGGTACCTGAAGGATAAGCCACGGCTAACTACGT
GCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGTAT
GCAAGTCAGATGTGAAATCTGGGGGCTCAACCCCCAAACTGCATTTGAAACTGTGTATCTTGAGTGATGGAGAGGCA
AGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACA
TTAACTGACGCTTAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU11079;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7497),o:Clostridiales(0.4280),f:Rumi
nococcaceae(0.1679),g:Clostridium_III(0.0230);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCCGATGCAGCAACGCCGCGTGAAGGAAGAAGGC
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GTGCCAGCAGCCGCGGTAATACGAAGGGTGCAAGCGTTACTCGGAATTACTGGGCGTAAAGCGTGCGTAGGTGGTC
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ACCAACACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTAGTCCACGCCCTAAACG
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>OTU11108;tax=d:Bacteria(0.0041),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Clostridiales(0.0000),f:Clost
ridiales_Incertae_Sedis_XI(0.0000),g:Peptoniphilus(0.0000);
ACCAAACAGGCAAAAAATTTATTTTCTTCCTCACCCGCCATATCAGCACCAACAGAAACAACCTGCTTAGCGGCGTTG
ACAGATGTATCCATCTGAATGCAATGAAGAAAACCACCATTACCAGCATTAACCGTCAAACTATCAAAATATAACGTT
GACGATGTAGCTTTAGATGTCTGTAAAACAGGTGCCGAAGAAGCTGGAGTAACAGAAGTGAGAACCAGCTTATCAG
AAAAAAAGTTTGAATTATGGCGAGAAATAAAAGTCTGAAACATGATTAAACTCCTAAGCAGAAAACCTACCGCGCTT
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>OTU11107;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Euba
cteriaceae(0.1098),g:Eubacterium(0.0204);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGAAGGC
TTTCGGGTTGTAAACTTCTATTGTCGGGGAAGAGTGGAAGACGGTAACCGACGAGTAAGCCACGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGTGTAGCCGGGATGG
GAAGTCAGATGTGAAATCTATGGGCTCAACTCGTAAACTGCATTTGAAACTGCTAATCTTGAGTATCGTAGAGGCAA
GCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACTA
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955),f:Erysipelotrichaceae(0.8505),g:Turicibacter(0.7643);
ACGGGAGGCAGCAGCTAAGAATCTTCCTCCCTGGCCGCCAGTCTGACGGAGCGACGCCGCGTGAATGATGAAGGCC
TTCGGGTTGTAAAATTCTGTTATAAGGGAAGAACGACTTTAGTAGGAAATGGCTAGAGTGTGACGGTATCTTATGAG

AAAGCCACAGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGAAATTATTGGGCGTAA
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ACTTGAGTGCAGAAGAGGGAAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGAGATATGGAGTAACACCAGTGG
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>OTU11110;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Clostridiales_Incertae_Sedis_XII(0.0710),g:Acidaminobacter(0.0157);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
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CCAGCAGACGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAAGTACTGGGCGTAAAGGGTGCGTAGGCGGTCTG
GTAAGTTGGATGTGAAATACCCGGGCTTAACTTGGGAGCTGCATCCAATACTGCTGAACTTGAGTGCAGGAGAGGAA
AGCGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACATCAGTGGCGAAGGCGGCTTTCTGGACT
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>OTU11111;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Ruminococcaceae(0.1872),g:Anaerotruncus(0.0326);

ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGGGAAGACGGT
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GCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGAGTAGGTGGGATTGCAA
GTCTGAAGTGAAAGCCCCGGGCTCAACCTGGGTACTGCTTCGGAAACTGTATTGCTGGAGTGCTGGAGAGGTAAGC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTA
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>OTU11115;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9892),o:Lactobacillales(0.9280),f:Lactobacillaceae(0.8864),g:Lactobacillus(0.6681);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
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GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATTCGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTA
AAGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCATCAGCATAACCGAGGAACTGCATCGGAAACTTTTTT
ACTTGAGTGCAGAAGAGGAGAGTGGAACTACATGTATAGCGAGGGAAGGCGTAGATATATAGAAGAACACCAGTG
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TA

>OTU11114;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lachnospiraceae(0.2864),g:Parasporobacterium(0.0615);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGACGACGTA
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CAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCCATGCAAG
TCAGAAGTGAAAGCCCGGGGCTCAACACCGGGACTGCGTTTGAAACTGTAAGGCTAGATTGCCGGAGAGGTAAGTG
GACTTCCTAGTGTAGCGGTGAAATGCGTAGATAGTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTCA
ATGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAATACCCTGGT

>OTU11113;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Rumi
nococcaceae(0.3204),g:Clostridium_IV(0.0230);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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CAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGTTAGT
AAGTCAGATGTGAAATACCGGGGCTCAACTCCGGGGCTGCATTTGAAACTGCCAATCTTGAGTGCTGGAGAAGAAA
GCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTTCTGGACAG
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>OTU11112;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Clost
ridiaceae_1(0.1872),g:Clostridium_sensu_stricto(0.0519);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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GCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGAAGGCGGGTTTTCAA
GTTGGATGTGAAATACTCGGGCTTAACCTTGGTACTTCATTTCAAACTGTAAGTCTTGAGTGCAGGAGAGGTGAGGG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTCGGAAGAACACCAGTGGCGAAGGCGCTTCTCTGGACTGTAAC
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>OTU11118;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Bacilli(0.9719),o:Lactobacillales(0.8737),f:Lactob
acillaceae(0.6350),g:Lactobacillus(0.3043);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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CAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTCGGTGGCTAGCGTTATCCGGATTTATTGGGCGTAA
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GGTA

>OTU11117;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Lach
nospiraceae(0.1872),g:Eisenbergiella(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGAAGCCGCGTGAGTGAAGAAGTA
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GAATTCCGTGTGTAGCGGTGAAATGCGTAGATATAAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTAGACAGCAA
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>OTU11116;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Bacilli(0.9856),o:Lactobacillales(0.8955),f:Lactobacillaceae(0.7428),g:Lactobacillus(0.3479);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGATGAAGGG
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GAAAGTCACGGCTTACTACGTGCCAGAAGCCTCGGTAAAACGTCGGTGGCAAACGGTATCCGGATTTATTGGGCGTA
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>OTU11119;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:Flavobacteriia(0.0726),o:"Flavobacteriales"(0.0473),f:Flavobacteriaceae(0.0113),g:Mesonia(0.0056);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATGCCGCGTGAAGGACTAAGGCC
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ACGGAAGGCAGCAGTAAGGGATATTGGTCAATGGGCGGGAGCCTGAACCAGCCATGCCGCGTGAGGGATTGAGGA
CCTACGGGTCGTAAACCTCTTTTGCCGGGGGATAACGGGCGCCACGCGTGGCGCCGTGAAGGTACCTGGAGAATAA
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>OTU11120;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Clostridiaceae_1(0.4563),g:Clostridium_sensu_stricto(0.2607);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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GCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTTTTAA
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GGGAATGCCTGGGGTAGCGGTGAAAGGCGTAGAGATTAGGAAGAACACCGGTGGGGAAGGCGCGTCTCTGGACTG
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>OTU11122;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9762),o:Clostridiales(0.9497),f:Peptostreptococcaceae(0.5273),g:Clostridium_XI(0.3479);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
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ACGGGAGGCAGCAGTAAGGGATATTGGTCAATGGGCGGGAGCCTGAACCAGCCATGCCGCGTGAGGGATTGAGGC
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>OTU11125;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9933),c:"Bacteroidia"(0.8048),o:"Bacteroidales"(0.5395),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0204);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGCCGAGAGGCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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>OTU11124;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Lachnospiraceae(0.2524),g:Roseburia(0.0326);

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9063),f:Bacteroidaceae(0.5991),g:Bacteroides(0.4351);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGCGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
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ridiaceae_1(0.1872),g:Clostridium_sensu_stricto(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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nospiraceae(0.5632),g:Lachnospiracea_incertae_sedis(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
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>OTU11129;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Clost
ridiaceae_1(0.1679),g:Clostridium_sensu_stricto(0.0423);

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nococcaceae(0.0457),g:Clostridium_III(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
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7995),f:"Prevotellaceae"(0.5273),g:Prevotella(0.0808);
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GCGTAGGCCGTCTGTTAAGCGTGGTGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGGTAGACTTG
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nospiraceae(0.3884),g:Clostridium_XlVa(0.1299);
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crobiales(0.0000),f:"Rubritaleaceae"(0.0000),g:Rubritalea(0.0000);

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nococcaceae(0.5273),g:Clostridium_IV(0.2171);
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3319),f:"Prevotellaceae"(0.0560),g:Alloprevotella(0.0110);

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8520),f:Bacteroidaceae(0.3544),g:Bacteroides(0.1299);
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>OTU11162;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9755),o:Clostridiales(0.9389),f:Lachnospiraceae(0.7068),g:Coprococcus(0.5720);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGTCGCGTGAGCGAAGACTTATTTCGGTATGTAAAGCTTTATCTGTAGGGAAGAAAATGACGGTACCTGACTAAGTAGCACCGTCCCAATACGTTCCAGCAGCCGCGGTACTACGCATGGTGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGTAAGTCAGAAGTGAAAGCCCGGGGCTCAACCCCGAGACTGCTTTGGAAACTATGCAGCTAGAGTGTCGGAGAGGTAAGTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTGGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU11160;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9784),o:Clostridiales(0.9707),f:Clostridiaceae_1(0.7787),g:Clostridium_sensu_stricto(0.4787);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGGTGGAAAGCTCTGTCTTTAGGGACGATAATGACGGTACCTGAAGAGGAAGCCACGGCTAACTAGGTGCCAGCAGCCGCGGCAATACGTAGGCGGCGAGGGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAAGTGAGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCATTTCAAACTGACAGGCTAGAGTGCAGGAGAGGAGAATGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTACGAAGAACACCGGTGGCGAAGGCGATTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU11161;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Peptostreptococcaceae(0.2524),g:Clostridium_XI(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCAGCGCCGCGTGAGCGATGACGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGTCTAACTACGTGCCAGAAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGGGTAGGTGGTTTCTTAAGTCAGAGGTGAAAGGCGACGGCTCACCCGTAGTAAGCCTTTGAAACTGGGTAACTTGAGTGCAGAAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAATTGCGAAGGCGGCTCTCTGGACTGTAACTGACACTGAAGCACGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU11163;tax=d:Bacteria(0.8696),p:Firmicutes(0.1905),c:Clostridia(0.0626),o:Clostridiales(0.0413),f:Ruminococcaceae(0.0073),g:Intestinimonas(0.0039);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGACTGAACCAGCAAAGCCGAGTGAAGGAAGAAGGCTTTCGGGTTGTAAAGTTCTTTTATTAGGGACGAAGCAAGTGAAGGTACATAAGGAATAAGCTCCGGCTAAATACGTGACAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTATGCGGATTTATTGGGTGTAAAGGGTGCGTAGACGGGGAAATAAGTTAGTTGTGAAATCCCTCGGCTTAACTTAGGAACTGCAACTAAAACTGTTTTTCTTGAGTGCTGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTATATATTAGTATGATCACCAGTGGCGAAGGCGACTTTCTGGACATTAACTGACGTTCAGTCTCGAAAGTGTGGGGAGCCAACAGGATTAGATACCCTGGTA
>OTU11166;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8808),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3319),f:"Porphyromonadaceae"(0.0710),g:Parabacteroides(0.0134);
ACGGAAGGCAGCAGTGAGGAATATGGGTCAATGGGCGAGAGCCGGAACCAGCCAAGTAGCGTGAGGGATGAAGGCCCTACGGGTTGTAAACCTCTTTTATAAGGGAATAAAGGACATCACGTGTGATGTTTTGCATGTACCTTATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTCGTTGGGTTTAAAGGGTGCGTAGGTGGCTTGTTAAGTCAGCGGTGAAAGTCAGTGGCTCAACCATTGAATTGCCGTTGAAACTGGCGAGCTTGAGTACGTACGGGGCAGGCGGAATGCGTGGTGTAGCGGTGAAATGCATGAATATCACGCAGACCCCCGATAGCGACGGCAGCCCGCCAGGCCGTGACTGACACTGATGCACGAAAGCGCGGGTATCGATCAGGATTAGATACCCTGGCA
>OTU11165;tax=d:Bacteria(1.0000),p:Firmicutes(0.3448),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Lachnospiraceae(0.0252),g:Coprococcus(0.0076);
ACGGAAGGCAGCAGTGAGGAATATTGCGCAATGGAGGAAACTCTGACGCAGCGACGCCGCGTGAGGGAAGAAGGTTTTCGAATTGTAAACCTCTGTTCTCAGGGAAGATAATGACGGTACCTGAGGAGTAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGATTTATTGGGTGTAAAGGGTGCGTAGGCGGCATTGTAAGTCAATCGTGAAATCTGTAGGCTTAACCTACAGACTGCGTTTGATACTGCATCGCTTGAGTTGAGTAGAGGTAAGCGGAATTTCTGGTGTAGCGGTGAAATGCGTAGATATCAGAAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGCTACCGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU11167;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Ruminococcaceae(0.1872),g:Intestinimonas(0.0181);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCCTCGGGTTGTAAACTTCTTTTACCAGTGACGAAGGACGTGCCGGTACCTGGAGATAAAGCAACGGCTAACTACGTGCCAGCACCCGCGGTACTACGTAGGTTGCAACCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGATGCAAGTTGGGAGTGAAATCCATGGGCTTAACCCATGAACTGCGCTCAAAACTGTATCACTTGAGTATCGGAGAGGCAAGCGGAATGCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU11164;tax=d:Bacteria(1.0000),p:Firmicutes(0.3448),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Ruminococcaceae(0.0113),g:Clostridium_III(0.0056);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGTCTGACCCAGCAACGCCGCGTGAGGGAGGAAGGTTTTCGGTTTGTAAACCTCTGTCCTCAAGGAAGAAGAAAGTGATGGTACTTGAGGAGGAAACCCCGGCTAACTACGTGCCAGCAGCCGTGGTAATACGTGGGGGGCGGGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGTGTAGGCGGTAGATTAAGTCTGATGTGAAATACCTGCGTTTAAGGTGGGTCGTGCTTTTGAAACTGATGGGCTTGAGTACGGAAGGGGTAAGTGGAATTCCCAGTGTAGCAGTGAAATGCGTAGAGATTGGGAAGAACACCAGTGGCGAAGGCGACTTGCTGGGCCGAGACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU11168;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:Sphingobacteriia(0.1159),o:"Sphingobacteriales"(0.0547),f:Sphingobacteriaceae(0.0149),g:Solitalea(0.0066);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGAGGACGGCCCTACGGATTGTAAACCTCTTTTGTCGGGGAGTAACGTGCGGGATGCGTCCCGTATTGAGAGTACCCGACGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATTCGTGCGTTATCCGGAATTATTGGGTTTAAAGGGTGCGTAGGCTGTTTGTTAAGTCAGAGGTGAAATACCGCAGCTCAACTGTGGAATTGCCTTTGATACTGGCAGGCTTGAATGCTGTAGCCGTGGGAGGAATTAGTAGTGTAGCGGTGAAATGCATAGATATTACTCAGAACACCAGTTGCGAAGGCGTCTCACTAAGCAGGCATTGACGCTGAGGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU11170;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Bacilli(0.9798),o:Lactobacillales(0.9389),f:Lactobacillaceae(0.8505),g:Lactobacillus(0.6681);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTCTTCGGATCGTAAAACTCTGTTGTTAGAGAAGAACACGAGTGAGAGTAACTGTTCATTCGATGACGGTATCTAACCAGCAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAGGGGGCAAGCGTTGTCCGGATTTCTTGGGCGTAAAGGGAACGCAGCCGGTCTTTGAAGGGTGATGTGAGAGCCTTCCGCTTAACCTGAGTAGTGCGTTGGAAACTGGAAGGCTGGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGGGGTGAAATGCGTAGATATATGGAAGAACACCAGTGGCGAAAGCGGCTCTCTGGTCTGTAACTGACGCTGAGGTTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU11171;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9740),o:"Bacteroidales"(0.9172),f:"Prevotellaceae"(0.8146),g:Prevotella(0.4787);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTTTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACTTGTGGCATATTGCAGGTACCCTATGAATAAGGACCGGCTAATTCCGTTCCAGCAGCCGCGGTCATACGGCAGGTCCGGTCGTCATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGTCTGTTAAGCGTGATGTGAAATGTCGGGGCTCAAGCTGGGCACTGCAGCGCGAACTGCAAGACTTGAGTGCGGAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTCAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGGAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU11169;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9798),o:"Bacteroidales"(0.9753),f:"Prevotellaceae"(0.9387),g:Prevotella(0.7162);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGCGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGTCACGTGTGGCCTATTTCAGGTACCCTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGATAATACGGAAGGTTCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTGATAAGCGTGTTGTGAAATGTCGGGGCTTAACCTGGGCACTGCAGCGCGAACTGTGGGGCTTGAGTGCGGAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU11172;tax=d:Bacteria(0.9450),p:"Bacteroidetes"(0.4311),c:Sphingobacteriia(0.0525),o:"Sphingobacteriales"(0.0352),f:Sphingobacteriaceae(0.0086),g:Parapedobacter(0.0039);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGGCGCGTACGTCCGATGAGCGTACCAGGCGAATAAGCAGGCGCTAACTCCGTGCCAGCAGCCGCGGTCATACGGGGGAGGCGAGAGTTATCCGGATGCATTGGGTTTAAAGGGGGCGTAGGCTGTGCGTCAAGTCGTGGGTGAGATTCCGGTGCTCAACACCGGGGCTGCCCTTGATACTGTCCCTCTGGAGTGCGCATGACGCCGGAGGAAGGAGTGGTGTAGCGGTGAAATTCTTAGATATCACTCAGAACACCGATTGCGAAGGCATCTGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA

>OTU11173;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9769),o:Clostridiales(0.9606),f:Ruminococcaceae(0.9108),g:Gemmiger(0.2171);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGAGGAAGAAGGTTTTCGGATTGTAAACTCCTGTCGTCAGGGACGATAATGACGGTACCTAACAAGAAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAAAACGTAGGGGGCAAGCGTCGTCCGGAATTACTGGGTATAAAGGGAGCGCAGGCGGACCGGCAAGTTGGAAGTGAAATGGATGGGCTCAACCCATAAACTGCTTTTGAAACTGTCAGGCTTGAGTAGTGGAGAGGTAGGTGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGACCTACTGGGCAACAACTGACGCTGAGGCTCGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU11174;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Rumi
nococcaceae(0.1098),g:Ruminococcus(0.0204);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAAAGCCGCGTGAAGGATGAATGT
TTTCGGATTGTAAACTTCTTTTATTAAGGACGAAAAATGACGGTACTTAATGAATATGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGCAGGGAGCACGCGTAGTCCGGATTTACTGGGTGTAAAGGGTGCGTATGCGGGCTGACAA
GGCAGATGTGAAATGTTCGGGCTTAACCCATAGACTGCAGTTGAAACTGTTCTTCTTGAGTGAAGTCGAGGTTGGCG
GAATTCCGGGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCGGTGGCGAAGGCGGCCAACTGGGCTTTTA
CTGACGCTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU11175;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lach
nospiraceae(0.2524),g:Lachnobacterium(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGCGATGAAGGA
TCTCGGGATGTAAAGCTCTGTCAGCAGGGAAGAAAATGACGGTACCTGAGGAAGAAGCCACGGCTAACTACGTGCC
AGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGACGGGCCGGC
AAGTCTGATGTGAAAACCCGAGGCTCAACCTCGGAAGTGCATTGGAAACTGTTTATCTGGAGTGCCGGAGGGGTAA
GCGGAATTCCTTGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTACTGGACGA
TAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU11178;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8897),o:"Bacteroidales"(0.
7623),f:"Porphyromonadaceae"(0.3544),g:Parabacteroides(0.0904);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTCGCGTGAAGGATGAAGGT
TCTATGGATTGTAAACTTCTTTTATGGGGGAATAAAGTGCGGGACGCGTCCTGTTTTGTATGTACCTCATGAATAAGC
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGTGTGCGTTATCCGGATTCATTGGGTTTAAAGGGT
GCGTAGGTGGCCAGTTAAGTCAGAGGTGAAAGTTTGTGGCTTAACCATAGAATTGCAGTTGAAACTGGAGGGCTTG
AGTATGGTTGGGGAAGGCGGAATGTGTGGTGTAGCGGTGAAATGCATAGATATCACGAAGAACTCCGATGGCGAA
GGCAGCTGGCTAAGCCATAACTGACACTGAAGCACGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU11176;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Lach
nospiraceae(0.1098),g:Clostridium_XlVa(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
CTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACATGCCA
GCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAATAGCAA
GTCTGAAGTGAAATCATAGGGCTCAAACCTGTAATTGCTTTGGAAACTGTTGATCTTGAGTACCGGAGAGGCAGGCG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATCAGGAAGAACACCAGTGGCGAAGGCGGCCTGCTGGACGGCAA
CTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU11177;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Lachnospiraceae(0.1485),g:Clostridium_XlVa(0.0326);

ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGGGAAGAAGGATCTCGGTTTGTAAAGCTCTGTCGACAGGGAAGAAAATGACGGTACCTGTCAAAAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGGCGGCAAGTCTGATGTGAAAATCCGGGGCTCAACCCAGGGCGTGCTTTGGAAACTGTTTCTCTAGAGTGACGGAGGGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGGCTGTTACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU11179;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.5174),c:"Bacteroidia"(0.2902),o:"Bacteroidales"(0.1249),f:"Prevotellaceae"(0.0457),g:Prevotella(0.0110);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGAAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGAATAAAATTGGGTTCGTGTGGGATATTGCATGTACCCTATGAATAAGGACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGTGCGTTATCCGGATTTACTGGGCTTAAAGGGCGCGTAGGCGGGAATGCAAGTCAGATGTGAAATCTAGGGGCTTAACCCCTAAACTGCATTTGAAACTGTATTTCTTGAGTGTCGGAGAGGTTGACGGAATTCCTCGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGATAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU11181;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Bacilli(0.5195),o:Lactobacillales(0.2679),f:Lactobacillaceae(0.1291),g:Lactobacillus(0.0230);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGTGGCAGCAACTGGCCATTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGATAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGCAGCCGGGTCTGCAAGTCAGATGTGAAATCCATGGGCTCAACCCGTGAACTGCATTTGAAACTGTGGATCTTGAGTGTCGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU11180;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Ruminococcaceae(0.3204),g:Oscillibacter(0.0326);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGACGCAAGCCTGACCCAGCAACGCCGCGTGAATGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTATGAGGGAAGAGAAGAAGACGGTACCTCTAGAATAAGCCGCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGCAGCCGGGTCTGGAAGTCAGATGTGAAATCCATGGGCTTAACGTATGAACTGCATTTGAAACTGTAGATCTTGAGTGTAGGAGAGGAGATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGTCTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU11182;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Clostridiaceae_1(0.0904),g:Youngiibacter(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGAAGAAGGTCTTCGGATTGTAAAGCTCTTTGATCAGGGACGAACACAATGACGGTACCTGAAGAACAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATTACTGGGCGTAAAGAGTACGTAGGCGGTTATGCAAGCGCGTGGTGAAAGGCATAGGCTCAACCAATGTCAGCCGCGCGAACTGTATGACTCGAGTGCGGGAGAGGAAAGCGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGTACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU11183;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Bacilli(0.4045),o:Lactobacillales(0.1719),f:Lactobacillaceae(0.0710),g:Lactobacillus(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTCTTAGGGACGAAGCAAGTGACGGTACCTAAGGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAGGCGTAATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAGATAAGTCTGAAGTGAAAGCCCCCGGCTTAACCGGGGAACTGCTTCGGAAACTGTCCGTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGGCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU11185;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9474),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5023),f:"Prevotellaceae"(0.1291),g:Prevotella(0.0204);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTACGGGTTGTAAACTGCTTTTAGGCGGGGGTAAAGTGGCGCACGCGCTGCGCCTTTGCAAGTACCGCCAGAAAAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATCGGGTTTAAAGGGGGCGTAGGCGGGCGCTTAAGTCAGCTGTGAAAGGTTGGGGCTCAACCTTAAAATTGCAGTTGAGACTGGGTGCCTTGAGTGCAGTATAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTACTATTGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU11184;tax=d:Bacteria(0.9827),p:"Bacteroidetes"(0.1508),c:"Bacteroidia"(0.0525),o:"Bacteroidales"(0.0352),f:"Porphyromonadaceae"(0.0086),g:Barnesiella(0.0043);
ACGGGAGGCAGCAGTGAGGAACATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGATGACGGTCCTACGGATTGTAAACCTCTTTTGTCGGGGAGTAACGTGCGGGACGCGTCCCGTATTGAGAGTACCCGAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGAATTATTGGGCGTAAAGGGTGCGTAGGTGGTTTAGCAAGTTGGAAGTGAAATACCCAGGGCTTAACTCGGGTGCTGCTTTCAAAACTACTAGACTTGAGTGTGGGAGAGAATAGTGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACATCGGTGGCGAAGGCGGCTTTCTGGACTGCAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU11186;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:"Bacteroidia"(0.5195),o:"Bacteroidales"(0.2679),f:"Prevotellaceae"(0.1291),g:Prevotella(0.0134);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCATTTATGCGGGAATAATGTCAGACACGCGTGTCTGCTTGCACGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTTCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGATGATTAAGTGGGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCATTCCAAACTGGTTATCTAGAGTACAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGACTCGAAAGCATGGGTGGCGAACAGGATTAGATACCCTGGTA

>OTU11190;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9762),o:Clostridiales(0.9497),f:Clostridiaceae_1(0.6709),g:Clostridium_sensu_stricto(0.4351);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCCTGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCATCAGCCGCGGTAATACGTATGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAAGTGAGATGTGAAATACCCGGGCTCAAGTTGGGTGCAGCATGTCAAAATGGAAGTAAAGAGTGCAGGAGAGGAGAATGGAATTCATAGTGTAGCGGTGAAATGCGTAGAGTTTAGGAAGAACACCAGTGGAGAAGGAGATTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCATGGTA

>OTU11187;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9726),o:"Bacteroidales"(0.8955),f:"Prevotellaceae"(0.4914),g:Prevotella(0.3043);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCTTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAGGGAATAAATGTGGGTACGCGTACCCGTTTGCATGTACCTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGCGCCTAAGTCAGCTGTGAAAGTTTTGGGCTCCACCTTAAAATTTGAGTTGATACTTGGGGCCTTGATTGCAGTATAGGCAGGCGGAATTCGTGGTGTAGCCGTTAAATTCTTAGATTTCACCAAAAACTCCTATTGCGAAGGCAGCTTGCTGGAGTGTAACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU11189;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Lachnospiraceae(0.2184),g:Clostridium_XlVa(0.0615);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAATGCCGCGTGAGTGAAGAAGGTCTTCGGATTGTAAAGCTCTATGATTAGGGACGAAAAAATGACTGTACCTAAAGAACAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGACTTTTAAGTGAGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCATTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACAGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU11188;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Eubacteriaceae(0.2184),g:Eubacterium(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGTTTTCGGATTGTAAACCTCTGTTTTCGGTGACGAAAAAATGACGGTAACCGAGTAGGAACCCACGGCACACTATGCGCCCGCACCCGGGGAAACACGTGGGGGGAAAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGATAGCAAGTCAGCTGTGAAAACTATGGGCTCAACCCATAAACTGCAGTTGAAACTGTTATTCTAGAGTGGAGGAGAGGCGAGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTCTAACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU11192;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.9389),f:"Porphyromonadaceae"(0.8864),g:Butyricimonas(0.7643);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAAGGAAGAATGGTCTATGGCCTGTAAACCTCTTTTGTCAGGGAAGAATAATGATGACGAGTCCTTGGTTGCCAGTACTTTATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGCGCGTAGGCGGGACGTCAAGTAAGCGGTAAAAGACTGGAGCTAACCTGAAGAGTGCAGTTGATACTGGCGCCCTGGAGACGAGACGAGGGAGGCGGAACTAGTGGAGTAGCGGTGAAATGCATAGATATCACTAGGAACCCCTATAGCGAAGGCAGCTTGCTAGGGTGGTTCTGACGCTGATGCGCGAGAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU11191;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Bacilli(0.3483),o:Bacillales(0.1483),f:Paenibacillaceae_1(0.0457),g:Paenibacillus(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAATGCCGCGTGAGTGAAGAAGGTCTTCGGATTGTAAAGCTCTTTGATTAGGGACGAAAAAATGACTGTACCTAAAGAACAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATTATTGGGCGTAAAGGGCGCGTAGGCGGCCTGGTAAGTCTGGAGTGAAAGTCCTGCTTTTAAGGTGGGAATTGCTTTGGATACTGTCGGGCTTGAGTGCAGGAGAGGAAAGCGGAATTACCGGTGTAGCGGTGAAATGCGTAGAGATCGGTAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGATAACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU11193;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Ruminococcaceae(0.0355),g:Fastidiosipila(0.0087);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCTGATTGTAAACCTCTGTCGCAGGGGACGAAGGAAGCGACGGTACCCTGTAAGAAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGAGCGTAGGCGGTCGATTAAGTTAGATGTGAAACCCCCGGGCTCAACCTGGGAACTGCATCTGATACTGGCAAGCTTGAGTCTCGTAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTTACTGACGCTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU11194;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Ruminococcaceae(0.0457),g:Intestinimonas(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGATGAAGGCCTTCAGGTTGTAAACTTCTATTATCAAGGACGAAGATAGTGACTGTACTTGATAAGCAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGAGTAGGCGGAGAGGCAAGTCAGGCGTGGAAATTACGGGCTCAAACCGTAACTTGCGCTTGAAACTGTTTCCCTTGAGTGTCGGAGAGGTAAATGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTGGGAGGAACACCGGTGGCGAAGGCGGTTTACTGGACGACAACTGACGCTGAGACACGAAAGTGTGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU11196;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Clostridiaceae_1(0.2524),g:Clostridium_sensu_stricto(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGTTTTCGGGTTGTAAAGCTCTGTCTTTGGGGAAGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGGATGGCAAGTCAGATGTGAAATACCGGGGCTTAACCCCGGGGCTGCATTTGAAACTGTCGTTCTTGAGTGAAGTAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU11197;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Bacilli(0.3483),o:Lactobacillales(0.1483),f:Lactobacillaceae(0.0560),g:Lactobacillus(0.0134);
ACGGGAGGCAGCAGTAGGGAATCTTGCACAATGGGCGCAAGCCTGATGCAGCAACACCGCGTGAGTGAAGAAGGCTTTCGGGTTGTAAAGTACTTTCGTCAGGGAAGAACGTGGGAGAGAGCATACGTTTACGCATTGACGGTACCCAACGAGAAAGTAACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGTAGGCGGTTTGTTAAGTGCGATGTGAAATCCTCTGGCTTAACCAGGGAGGTGCATCCCAAACTGTCAATCTTGAGTGCAGGAGAGGAGAGTGGAACTCCGAGTGTAGCGGTGAAATGCGTAGAGATAAGGAAGAACACCAGTGGCGACGGCGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU11195;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9900),c:Deltaproteobacteria(0.9719),o:Desulfovibrionales(0.8737),f:Desulfovibrionaceae(0.6350),g:Desulfovibrio(0.3915);
ACGGAAGGCAGCAGTGGGGAATATTCCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGTTTTCGGATCGTAAAGCTCTGTCAGAAGGGAAGAAGCTAGGGTGCTGCAATCATCATCCTACTGACGGTACCTTCCCAGGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGTGCAAGCGTTAATCGGAATGATTGGGCGTAAAGCGCACGTAGGCTGTTATGTAAGTCAGGGGTGAAAGCCCGCGGCTTAACCATGGAACTGCCCTTGAAACTGCACGACTCGAATCCGGAAGAGGGTGGCGGAATTCCAGGTGTAGCAGTGAAATCCGTAGATATCTGGAAGAACAGCAGTGG

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acillaceae(0.9201),g:Lactobacillus(0.7162);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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acillaceae(0.7068),g:Lactobacillus(0.3043);
AAGGAAGGAAGAAGGAGGGAAGCGGAAAAAAGGGGGGAACGCCTGATGGAGCAACACCGCGTGAGTGAAGAAG
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>OTU11200;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9988),c:Actinobacteria(0.9791),o:Bifidobacteriale
s(0.9280),f:Bifidobacteriaceae(0.9108),g:Bifidobacterium(0.6200);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCGACGCCGCGTGCGGGATGGAGGC
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acillaceae(0.6350),g:Lactobacillus(0.3479);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTT
TTCGGATCGTATAGCTCTGTTGTTGGTGAAGAAGTATAGTGGCAGCAACTGGCCATTATTTGACGGTAATCAACCAGA
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GCGAGCGCAGGCGGAAAGATAAGTCAGAAGTGAAAGCCCCGGGCTGAATCGGGGAACTGCTGCGGAAACTGTCCT
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>OTU11201;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Clost
ridiaceae_1(0.6709),g:Clostridium_sensu_stricto(0.3479);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGCGTGATGAGGGC
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GCAGCCGCGGTACTACGTAGGTGGCGAGCGTTATTCGGATTTACTGGGCGTAAAGGATGCGTAGGTGGAATTTTAA
GTGAGATGTGAAATACCCGGGCTCAACCTGGGAACTGCATTCCAAACTGGAATTCTAGAGTGCAGGAGAGGAAAGC
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>OTU11202;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Lach
nospiraceae(0.5632),g:Clostridium_XlVa(0.3043);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGGA
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GCAGCCGCGGGAATACGTAAGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGGAGAGGGCAGTGCA
AGTCTGAAGTGAAAGCCCGGGGCTCAACCCCGGGACTGCTTTGGAAACTGTGAAGCTAGAGTACAGGAGAGGCAAG
CGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGAT
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>OTU11204;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9769),o:Clostridiales(0.9606),f:Clost
ridiaceae_1(0.6350),g:Clostridium_sensu_stricto(0.4787);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGT
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>OTU11206;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Pept
ococcaceae_1(0.1872),g:Peptococcus(0.0519);

ACGGAAGGCAGCAGTGGGGAATCTTCCGCAATGGGCGAAAGCCTGACGGAGCAATGCGGCGTGAGTGAAGAAGGC
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>OTU11205;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Rumi
nococcaceae(0.2524),g:Oscillibacter(0.0326);

ACGGGAGGCAGCAGTGGGGAATTTTGCGCAATGGAGGCAACTCTGACGCAGCAACGCCGCGTGCGGGATGGAGGC
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ACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGG
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>OTU11207;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Clost
ridiaceae_1(0.1679),g:Clostridium_sensu_stricto(0.0423);

ACGGGAGGCAGCAGTGGGGAATTTTGCACAATGGACGCAAGTCTGATGCAGCGACGCCGCGTGAGGGATGGAGGC
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>OTU11208;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Rumi
nococcaceae(0.1485),g:Clostridium_IV(0.0230);

ACGGGAGGCAGCAGTGGGGAATTTTGCACAATGGACGCAAGTCTGATGCAGCGACGCCGCGTGAGGGATGGAGGC
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CGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGCGCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAG
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>OTU11210;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9867),c:Deltaproteobacteria(0.9604),o:Desulfovib
rionales(0.8629),f:Desulfovibrionaceae(0.6709),g:Bilophila(0.3043);

ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGT
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CTGGTA

>OTU11211;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Clostridia(0.9769),o:Clostridiales(0.9606),f:Lach
nospiraceae(0.8146),g:Lachnospiracea_incertae_sedis(0.6200);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGATGAAGTA
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>OTU11209;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.6036),c:Actinobacteria(0.3483),o:Bifidobacteriale
s(0.1483),f:Bifidobacteriaceae(0.0560),g:Bifidobacterium(0.0134);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTA
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>OTU11212;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.
9063),f:"Rikenellaceae"(0.8505),g:Alistipes(0.6681);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGCACCAGCCATGCCGCGTGCAGGATGACGGCT
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>OTU11213;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Bacilli(0.9462),o:Lactobacillales(0.8303),f:Lactob
acillaceae(0.4914),g:Lactobacillus(0.0808);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGGTGGAGCAACGCCGCGTGAGTGAAGAAGGT
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ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGGGACGAAGGG
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>OTU11214;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Bacilli(0.7497),o:Lactobacillales(0.4652),f:Lactob
acillaceae(0.2864),g:Lactobacillus(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGCGTGATGACGGT
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TGATGTGAAAGGCTTCGGCTGAACCGGAGAAGTGCATCGGAAACTGGATAACTTGAGTGCAAGAGAGGACAGTGGA
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>OTU11216;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Lach
nospiraceae(0.3884),g:Clostridium_XlVa(0.1735);
ACGGGAGGCAGCAGTGGGGAATCTTCCGCAATGGGCGAAAGCCTGACGGAGCAATGCCGCGTGAGTGAAGAAGGC
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GTA

>OTU11217;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Clost
ridiaceae_1(0.2184),g:Clostridium_sensu_stricto(0.0615);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
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acillaceae(0.1872),g:Lactobacillus(0.0519);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
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8412),f:"Rikenellaceae"(0.6709),g:Alistipes(0.5239);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCATGCCGCGTGCAGGAAGACGGCC
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>OTU11220;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8614),o:Clostridiales(0.6509),f:Rumi
nococcaceae(0.2184),g:Gemmiger(0.0519);
ACGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCTGCGTGGAGGAAGAAGGTT
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AATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGACAAC
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>OTU11221;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Clost
ridiaceae_1(0.0904),g:Sarcina(0.0181);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGGGAAGACGGT
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GGAATTCCTAGTGTAGCGGTGAAATGCATAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTC
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>OTU11222;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:Sphingobacteriia(0.0726),o:"Sphingobacte
riales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Pedobacter(0.0046);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGC
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>OTU11225;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Pept
ostreptococcaceae(0.4914),g:Clostridium_XI(0.3043);
ACGGGAGGCGGCAGTGGGTCCTATTTCACCCTGTTCTAACTCCTTCTGCCTCAACTCCTCTTGAGCGATGAAGGCCTTC
GGTTCGTACCGCTCTGTCCTCAAGTAAGATAATGACGTTACTTTAGGAGGAAGCCCCGGCTAACTACTTGCCAGCAGC
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>OTU11224;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Pept
ostreptococcaceae(0.2524),g:Clostridium_XI(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
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>OTU11223;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Euba
cteriaceae(0.1679),g:Eubacterium(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGT
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rionales(0.5395),f:Desulfovibrionaceae(0.2524),g:Desulfovibrio(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGT
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>OTU11228;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Bacilli(0.6730),o:Lactobacillales(0.3959),f:Strept
ococcaceae(0.2184),g:Streptococcus(0.0615);
ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGGGCAACCCTGACCGAGCAACGCCGCGTGAGTGAAGAAGGT
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GGTA
>OTU11227;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Erysipelotrichia(0.6730),o:Erysipelotrichales(0.3
959),f:Erysipelotrichaceae(0.2184),g:Turicibacter(0.0615);
ACGGAAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGAATGATGAAGGC
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GAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGTGTA
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>OTU11229;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.8448),c:Deltaproteobacteria(0.6346),o:Desulfovibrionales(0.3639),f:Desulfovibrionaceae(0.1872),g:Desulfovibrio(0.0519);

ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGTCTTCGGATCGTAAACCTCTGTCAGAAGGGAAGAAACTAGGGTGCTCTAATCATCATCCTACTGACGGTACCTTCAAAGGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATCACTGGGCGTAAAGGGAGCGTAGGCGGGCCGCCAAGCGTTCTGTGCAATCCCGGGGCCCAACCCCGGACCCGCAGAGCGAACTGGCGTCCTTGAGTGGTTCAGAGGCCGGCGGAATTCCTGGTGTAGCGGTGGAATGCGTAGATATCAGGAAGAACACCGATGGCGAAGGCAGGTTTCAGGCAGATAACTGACGCTGAGGTGCGAAGGTGCGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU11231;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.5174),c:Cytophagia(0.0726),o:Cytophagales(0.0473),f:Cytophagaceae(0.0113),g:Adhaeribacter(0.0056);

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>OTU11232;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.6138),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0423);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAACTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGGGTAAAGTGTGGTACGTGTCCCATTTTGCAGGTACCGCATGAATAAGGATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCGTTTAAGTGTGTTGGGAAATGCAGCGGCTCAAACGTGGCACTGCAGAGCGAACTGGATGACTTGAGTTCGCGGGAGGTAGGGGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCTAGAAGAACTCCGATTGCGAAGGCAGCTTAACGTAGCGTTACTTACGCTGAAGCTCGAAAGTGGGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU11230;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Peptostreptococcaceae(0.4224),g:Clostridium_XI(0.2171);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTTAAGGAAGATCACGACGGAACTTGAGGAGGAAGCCCCGGATAACTACTTGCCAGCAGCCGCGGTATAACGTCGGGGGCTAGCGTTATGCGGATTTACTGGGCGTAAAGGGTGCGTAGGCGGTCTTTTAAGTCAGAAGTGAAAGGCTACGGCTTAACCGTGGTAAGCTTTGGAAACTGGAGGACTTGAGTGCAGGAGAGGTGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACGCCAGTAGCGAAGGCGGCTCTCTGGACTGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU11235;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9638),c:Spirochaetia(0.9038),o:Spirochaetales(0.7995),f:Spirochaetaceae(0.5991),g:Treponema(0.0423);
ACGGGAGGCAGCAGCTAAGAATATTCCGAAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGGATGATGAAGGCCGAAAGGTTGTAAAATCCTTTTGAACTGGAAGAATAAGCAGTGTAGGTAATGACATTGTGGTGACGGTACAGTTTGAATAAGCAACGGCTAATTACGTGCCAGCAGCCGCGGTAACGCGTAAGTTGCGAGCGTTGTTCGGAATTATTGGGCGTAAAGGGCATGTAGGCGGTTATCTAAGCTTGGTGTGAAAGGCAGGGGCTCAACTCCTGGACTGCATTGAGAACTGGATAACTAGAGTTACTGAAGTGAAATCAGGATTCCAGGTGTAGGGGTGTAATCTGTCTATATCTGGACGACTCCCTATGGCTAACGCCAGTTTTCATGAGCCGATTTCTGCTGAGGTGCTAAGGAACGGGGTGCAATCAGGATTATATACACTAGCT
>OTU11233;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:"Bacteroidia"(0.1159),o:"Bacteroidales"(0.0547),f:"Marinilabiaceae"(0.0113),g:Anaerophaga(0.0056);
ACGGGAGGCAGCAGTGAGTCCTATTGGTCAATGGGCGGAAGCCTGAACCATCCATTCCGCGTGAAGGACTAAGGCCCTATGTGTCGTAAACTTCGTTAGACGCAGAGCAATCAGGGTCTCGCGAGATCCTATGCGATTATGCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTATGCGGAAGTGCAAGTCAGCGGTGAAATCCCCGCGCTCAACGCGGGAGTTGCCGTTGATACTGTACAGCTGGAATGCTCTTGCCGTGTGAGGAATGAGTAGTGTACCGGTGAAATGCATAGAGATTACTCAGAACACCGATTGCGAAGGCATCTCACGAAGGGGCGATTGACGCTGAGGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU11234;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Ruminococcaceae(0.0560),g:Intestinimonas(0.0134);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGGTCTTCGGATTGTAAACCTCTATCAGCAGGGAAGAAGCAAGTGACGGTACCTGCAGTAGAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGTGTAGGCGGGAGAGCAAGTCAGATGTGAAAACTACGGGCTTAACTTGTAGACTGCAGTTGAAACTGATTTTCTTGAGTGAAGTAGAGGTTGGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCGGTGGCGAAGGCGGCTTACTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU11236;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Ruminococcaceae(0.3544),g:Intestinimonas(0.0423);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAATGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGTAAACTTCTTTTAGCAGGGACGAAGGAAGTGACGGTACCTGCAGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGAGAGCAAGTCAGATGTGAAATCCATGGGCTTAACCCATGAACTGCAGTTGAAACTGCCCTTCTTGAGTGTCGGAGAGGTAGACGGAATTCCAAGTGTAGCGGTGAAATGCGTAGATATTTGGAGGAACACCAGTGGCGAAGGCGGTCTACTGGACGATAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU11237;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Peptostreptococcaceae(0.0710),g:Clostridium_XI(0.0157);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGACGCAAGTCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTGTTAAGAGGGAACAGCAGAAGAGGGTACCTCTTGAGTAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGCGCGTAGGTGGTTGATTAAGTCTGATGTGAAAGCCCACGGCTTAACCGTAGTAAGCTCTTGAAACTGGGAAACTTGAGTGCAGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTAGCGAAGGCGGCTTTCTGGACTGTAACTGACGTTGAGGCACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU11239;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Lachnospiraceae(0.0560),g:Clostridium_XlVa(0.0134);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAACCCCGATGCAGCGACGCCGCGGGAGTGGAGGAGGATTTCGGTATGTAAAGCCCTAGCAGCAGGAAAGAAAATGACGGTACCTGACTAAGAAGCCCCTGCTAACTACGTACCAGCAGCCTCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGATGCAAGTCGGGAGTGAAAGCCATGGGCTTAACCCATGAACTGCATCCAAAACTGTAGATCTTGAGTGAAGGAGAGGCTGGCGGAATTCCAAGTGTAGCGGTGAAATGCGTAGATATTGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACATTAACTGACGCTGAGGCGCGAAAGCGTGGGGTGCAAACAGGATTAGATACCCTGGTA

>OTU11238;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Bacilli(0.8048),o:Lactobacillales(0.5395),f:Streptococcaceae(0.3204),g:Streptococcus(0.0904);

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>OTU11240;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Bacilli(0.6730),o:Lactobacillales(0.3959),f:Streptococcaceae(0.2184),g:Streptococcus(0.0615);

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nadales(0.0170),f:Aeromonadaceae(0.0046),g:Aeromonas(0.0032);
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1015),f:"Marinilabiaceae"(0.0355),g:Anaerophaga(0.0087);
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73),f:Spirochaetaceae(0.0113),g:Treponema(0.0056);
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proteobacteria_incertae_sedis(0.3319),g:Solimonas(0.0423);
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249),f:Erysipelotrichaceae(0.0457),g:Clostridium_XVIII(0.0087);
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3639),f:"Prevotellaceae"(0.1872),g:Prevotella(0.0326);
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ostreptococcaceae(0.3544),g:Clostridium_XI(0.1299);
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99),f:Spirochaetaceae(0.1485),g:Treponema(0.0134);
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3319),f:"Prevotellaceae"(0.1291),g:Prevotella(0.0181);
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0547),f:"Marinilabiaceae"(0.0149),g:Anaerophaga(0.0066);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGAAGTCTGAACCAGCCATGCCGCGTGTAGGAATAAGGCT
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TCGGCTAACTCCGTGCCCGCAGCCGCTGTAATACGGAGGATGCACGCGTTATCCGGAATTATTGGGTTTAAAGGGTG
CGTAGGCTGTTTTGCAAGTCAAGGGCGAAAGCCCGGAGCTCAACTCCGGAACTGCAGTTGATACTGCGAGGCTTGAA
TACGGAAGCGGTGGGAGGAATGAGTAGTGTAGCGGTGAAATGCGTAGATATTACGAAGAACACCGATTGCGAAGG
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1015),f:Bacteroidaceae(0.0252),g:Bacteroides(0.0076);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCATGCCGCGTGAAGGAATAAGGC
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AGCGTAGGCGGAGCGTCAAGTCAGCTGTGAAATGTCGCGGCTCAACCGTGGAGCTGCAGTTGAAACTGGCGTTCTT

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acillaceae(0.9015),g:Lactobacillus(0.4787);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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acillaceae(0.5632),g:Lactobacillus(0.0904);
ACGGGAGGCAGCAGTAGGGAATCTTCAACAATGGGCGCATGCCTGATGGAGCACCACCGCGTGAGTGAAGAAGGG
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nococcaceae(0.4224),g:Oscillibacter(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGACGCAAGTCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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8737),f:"Prevotellaceae"(0.5991),g:Prevotella(0.1299);
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GAGTGCACGGGAGGCTGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACCCCGATTGCGAA
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nococcaceae(0.0355),g:Clostridium_III(0.0076);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGGGCGAGCCTGAACCAGCCGAGTCGCGTGAAGGATGAAGGT
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6881),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0519);
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ACCGGCTAATTCCGGGGCAGGAGCCGGGGTAATACGGAAGGTCCAGGGGTTATCCGGATTTATTGGGTTTAAAGGG
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2039),f:"Porphyromonadaceae"(0.0457),g:Parabacteroides(0.0087);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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6509),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0615);
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nococcaceae(0.1679),g:Ruminococcus(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCGATGCCGCGTGAGGGAAGAAGGT
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ridiales_Incertae_Sedis_XI(0.0000),g:Peptoniphilus(0.0000);
AATATCCGCACCAACAGACACAACCTGATTAGCGGCGTTTCCAGATGTATCCATCTGACTGCCATGAAGAAAACCCCC
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acillaceae(0.5991),g:Lactobacillus(0.2171);
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acillaceae(0.3204),g:Lactobacillus(0.0904);
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GTA

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acillaceae(0.7787),g:Lactobacillus(0.4351);

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TA

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acillaceae(0.9201),g:Lactobacillus(0.6681);

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bacteriales"(0.2999),f:Enterobacteriaceae(0.1485),g:Escherichia/Shigella(0.0204);

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nococcaceae(0.1872),g:Oscillibacter(0.0326);

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nospiraceae(0.1098),g:Roseburia(0.0134);
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nococcaceae(0.4914),g:Clostridium_IV(0.1735);
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7995),f:Bacteroidaceae(0.2864),g:Bacteroides(0.0808);
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nococcaceae(0.1872),g:Clostridium_IV(0.0181);
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>OTU11293;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Clost
ridiaceae_2(0.3544),g:Natronincola(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGAAGGC
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GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGGGTACGTAGGCGGTTTCTTAA
GTCAGAGGTGAAAGGCTACGGCTCAACCGTAGTAAGCCTTTGAAACTGGGAAACTTGAGTGCAGGAGAGGAGAGTG
GAATTCCTAGTGTAGCGGTGAAATGCGTGGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAA
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>OTU11294;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Erysipelotrichia(0.8048),o:Erysipelotrichales(0.5
395),f:Erysipelotrichaceae(0.3544),g:Turicibacter(0.1299);
ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGAATGATGGAGGC
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AAAGGGCGCGCAGGCGGTTGGTTAAGTCAGATGTGAAAGCCCGCGGCTTAACCGCGGGAGGGCATTGGAAACTGG
ACGACTAGAGTGCAGGAGAGGGAAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGAGATATGGAGGAACACCA
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proteobacteria_incertae_sedis(0.0000),g:Cocleimonas(0.0000);
TTTTATCGCTTCCATGACGCAGACGTTAACACTTTCGGATCTTTCTGATGAGTCGACAACTTATCTTGATAAAGCAGGA
ATTACTACTGCTTGTTTACGAATTAAATCGAAGTGGACTGCTGGCGGAAAATGAGAAAATTCGACCTATCCTTGCGCA
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>OTU11296;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Rumi
nococcaceae(0.3204),g:Papillibacter(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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CCAGCAGCCGCGGTAATACGTAGGTTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGATG
CAAGTTGGGAGTGAAATCCATGGGCCTAAACCATTAAATTGTCTTAAAACTGTAATCCCTGAGTATCGGAGAGGCAA

GCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGA
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>OTU11295;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Rumi
nococcaceae(0.2524),g:Intestinimonas(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGTGTAGGCGGGAATGC
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CGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGCTTCTCTGGACTGT
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>OTU11297;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Rumi
nococcaceae(0.1291),g:Butyricicoccus(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGAAGAAGCAACGCAGCGTGATGGAAGAAGG
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CCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGAGTAGGCGGATTGG
CAAGTTGGGAGTGAAATGTCGGGGCTTAACCCCGGAACTGCTTCCATAACTGTTGTTCTTGAGTGATGGAGAGGCAG
GCGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTGGGAAGAACCCCAGTGGCGAAGGCGGCCTGCTGGACCT
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>OTU11301;tax=d:Bacteria(0.0024),p:"Aquificae"(0.0000),c:Aquificae(0.0000),o:Aquificales(0.0000),f:Aquifi
caceae(0.0000),g:Thermocrinis(0.0000);
GGTCAACCCCTCAGCGGCAAACATTCCAATTTTTACCGCTTCGGCGTTCTACCCTCCCACTCAATCTTTTATCACGCAGT
CATGATTGAATCGCGAGTGGTCGGCAGATTGCGATAAACGGTCACATTAAATTTAACCTGACTATTCCACTGCAACAA
CTGAACGGACTGGAAACACTGGTCATAATCATGGTGGCGAATAAGTACGCGTTCTTGCAAATCACCAGAAGGCGGTT
CCTGAATGAATGGGAAGCCTGCAAGAAGGGGATAAGCAGGAGAAACATACGAAGGCGCATAACGATACCACGGAC
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>OTU11299;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.3448),c:Deltaproteobacteria(0.1740),o:Desulfovib
rionales(0.0781),f:Desulfovibrionaceae(0.0252),g:Desulfovibrio(0.0076);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGATGAAGGC
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ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGATGGAGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGT
GCGTAGGTTGTTTTGTAAGTCAGAGGTGAAATCCCACGGCTTAACCGTGGAACTGCCTTTGATACTGCATGACTTGGG
TCCGGGAGGGGACAGCGGAATTCCAGGTGTAGAGGTGAAATCCGTAGATATCTGGAAGAACATCAGTGGCGAAGG
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>OTU11302;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.2586),c:"Bacteroidia"(0.1159),o:"Bacteroidales"(0.0547),f:"Prevotellaceae"(0.0099),g:Paraprevotella(0.0046);

ACGGAAGGCAGCAGCGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAGGGACGACTGCCCTATGGGTTGTAAACCTCTTTTGATTGGGAACAAAGAGCGCCACGTGTGGTGCGTTGCGTGTACCTTTCGAATAAGCATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGACGGCTAAGCAAGTCTGATGTGAAAGGCAGGGGCTCAACTCCTGGACTGCATTGGGAACTGCTTTGCTTGAGTGCCGGAGGGGCAATCAGAATTCCAGGTGTAGGGGTGAAATCTGTAGATATCTGGAAGAATACCAATGGCGAAGGCAGGTTACCAGCAGATGACTGACGCTGAGGTGCGAAGGTGCGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU11300;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Ruminococcaceae(0.2524),g:Clostridium_III(0.0519);

ACGGGAGGCAGCAGTGGGGAATATTGCGCAGTGGGGGAAACCCTGACGCAGCAACGCCGCGTGCAGGATGACGGCCTTCGGGTTGTAAACTGTTGTCGCAAGGGAAGAAAAAAATGACGGTACCTTGTGAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGTCTGCAAGTCAGTCGTGAAATACCGGGGCTTAACTCCGGGGCTGCGATTGAAACTGTAGATCTTGAGTATCGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACAGTAACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU11305;tax=d:Bacteria(0.0024),p:"Actinobacteria"(0.0000),c:Actinobacteria(0.0000),o:Actinomycetales(0.0000),f:Pseudonocardiaceae(0.0000),g:Thermocrispum(0.0000);

GGTATTGTCTGCGAGCGCTGTGGTGTGGAAGTCACCGAGAGCAGGGTGCGTCGCCACCGCATGGGTTTCATCAAGCTCGCTGCTCCCGTGTCCCACGTTTGGTACCTGAAAGGCATACCCAGCTACGTGGCCATCCTTCTGGACATGCCCCTGCGGGACGTTGAGCAGATTGTTTATTTCAACTGCTATGTGGTGCTGGATCCCGGCGATCACAAGGATCTGAAGTACAAGCAGCTCCTCACTGAAGATGAGTGGCTGGAAATGGAGGATGAGATCTACGCAGAAGACTCAGAGAGTGAAAATGAGCCTGTGGGGGGTATCGGCGCCGAGGCTCTCAAGCAGCTGCTCGAAGAGCTAACCCTTGAGGAGGTAGCCGAGCAGCTGCGCGAGGAGATCGACGGCAGTAAGGGGCAGAAGCGGGCGAAGCTGACCAAGCGCCTACG

>OTU11304;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3319),f:"Prevotellaceae"(0.0560),g:Paraprevotella(0.0134);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTAGCGTGAGGGATGACTGCCCTATGGGTTGTAAACCGCTTTTGTTTGGGAACAAAGAGTGCCACGTGTGGCGCGTTGCGTGTACCTTTCGAATAAGCATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGCTGTTAAGCCGGCGGTCAAAGGCGGGGGCCCAACCTTGGCATGCCGTTGATACTGGCGGACTTGAGTTCAGACAGGGAAGGTGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCTTTCTGGGGTGTTACTGACGCTGAGGCTCGAAAGTGCGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU11303;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Bacilli(0.7114),o:Lactobacillales(0.4280),f:Lactobacillaceae(0.2524),g:Lactobacillus(0.0712);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGATAGTGAAGAAAGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATTACTTAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTATTGGGCGTAAAGAGCATGTAGGCGGTTTTTTAAGTCCGGAGTGAAAATGCGGGGCTCAACCCCGTATGGCTCTGGATACTGGAAGACTTGAGTGCAGGAGAGGAAAGGGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTGGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU11306;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8897),o:"Bacteroidales"(0.7623),f:"Prevotellaceae"(0.3544),g:Alloprevotella(0.0712);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTCCGGGTTGTAAACTGCTTTTAGTTGGGAATAAAAGGGATGACGTGTCATCCGTTGTATGTACCATCAGAAAAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCTGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGAGACATAAGTCAGCGGTAAAATCGTGCGGCTCAACCGTACCTCGCCGTTGATACTGTGTCTCTTGAGTGCATGCAGGGATGCTGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATCGCGAAGGCAGGTGTCCGGAATGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU11308;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Bacilli(0.9711),o:Lactobacillales(0.7995),f:Lactobacillaceae(0.4914),g:Lactobacillus(0.2171);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGAAGAAAGCCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGCTTTCGGCTCGTAAAGCTCTGTTTGTAGTGAAGAAAGCTAGAGGTAGTAACTGGCCTTTAGTTGATGCTACTTACTAAGAAAGTCACGCCTCACTCCGTGCCACCAGCTGCGGTAATACGTAGGTGGCAAGTGCTGTCCGGATTTATTGGGCGTAAAGCGAGTGCAGGCGGTTCAATAAGTCTGATGTGAAAGCCTTCGGCTCAACCGGAGAAGTGCATCTGAAACTGTTGAACTTGAGTGCAGAAGAGGAGGGTGGAACCCCATGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU11309;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9966),c:"Bacteroidia"(0.8048),o:"Bacteroidales"(0.5395),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0326);

ACGGAAGGCAGCAGTGAGGAATATTGCTCAATGGACGGAAGTCTGAACCAGCCACGTAGCGTGCAGGATGACGTCCCTATGGGTTGTAAACTGCTTTTATGTGGGGATAAATTTCGGGACGTGTCCTGATTTGCAGGTACCACATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAATGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGTATGGTAAGCGTGTTGTGAAATGTAGGCGCTCAACGACTGAATTGCAGCGAGAACTACCGGACTTGAGTGCGCAGGAAGTAGGCGGAATTTGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACACCGAAGGCGAAGGCAGCTCACTGTAGAATTACTGACGCTGAAGTTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU11307;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Rumi
nococcaceae(0.1485),g:Acetanaerobacterium(0.0181);
ACGGAAGGCAGCAGTGGGTGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGGGAAGACGGT
CCTCGGGATTGTAAACCTCTGTCTTCGGGGACGAAACGAGACGGTACCCGAGGAGGAAGCCACGGCTAACTACGTG
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>OTU11310;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Bacilli(0.9321),o:Lactobacillales(0.8412),f:Lactob
acillaceae(0.5273),g:Lactobacillus(0.1735);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCCACACCGCGTGAGTGAAGAAGGG
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GGTA
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9606),f:"Prevotellaceae"(0.7428),g:Prevotella(0.5239);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGGTGACGGC
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GCGTAGGCCGTCGTTTAAGCGTGTTGTGAAATGCCGCGGCTCAACCGTGGCACTGCAGCGCGAACTGGATGACTTGA
GTGCGCGGGAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGG
CAGCTCACTGTAGCGCAACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU11312;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9802),c:Gammaproteobacteria(0.9711),o:Aeromo
nadales(0.7995),f:Succinivibrionaceae(0.5991),g:Succinivibrio(0.2607);
ACGGAAGGCAGCAGTAGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCCATGCCACGTGTGTGAAGAAGGCC
TTCGGGTTGTAAAGCACTTTCGGAGGGGAGGAAAAGATTACGTTACCCTCAGAAGAAGCACCGGCTAACTCCGTGCC
AGCAGCCGCTTTAATACGGAGGGTGCAAGCGTTAATCGGAATAACTGGGCTTAAAGGGCATGCAGGCGGTTATACA
AGTAGGATGTGAAAGCCTGGGGCTCAACCTCAGAACTGCAGTGTAAACTGTGTGACTAGAGTATGGAAGGGGGAGA
CGGAATTTCACGTGTAGCGGTGGAATGCGTAGATATCTGAAAGAACACCAATGGCGAAGGCAGTCTGCTGGGCAGC
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>OTU11316;tax=d:Bacteria(0.0041),p:Firmicutes(0.0000),c:Bacilli(0.0000),o:Bacillales(0.0000),f:Bacillales_Incertae_Sedis_XI(0.0000),g:Gemella(0.0000);

GAAGGCGCATACCGTTACCACTGACCCTCAGCAATCTTAAACTTCTTCGACGAATCCCCAGACCGGAAAACATCCTTC
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GCGTTAAGGTACTGAATCTCTTTAGTCGCAGTAGGCGGAAAACGAACAAGCGCAAGAGTAAACATAGTGCCATGCTC
AGGAACAAAGAAACGCGGCACAGAATGTTTATAGGTCTGGTGAACACGACCAGAAAACTGGCCTAACGACGGTTGG
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>OTU11315;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9726),o:"Bacteroidales"(0.8955),f:"Prevotellaceae"(0.6350),g:Prevotella(0.3479);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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GTACGGAAAAAGGGGGCGGAATTCGTGGGGTAGCGGGGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAG
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>OTU11314;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Clostridiaceae_1(0.2864),g:Clostridium_sensu_stricto(0.0615);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGT
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GCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCCGGTA
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TGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTAGCGAAGGCGGCTTTCTGGACTGTA
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>OTU11313;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Clostridiaceae_1(0.4914),g:Sarcina(0.1735);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
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CCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGATATT
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AATGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACCCCGGTGGCGAAGGCGACTTACTGGACG
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>OTU11318;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.7995),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0615);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGTAAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTACGGGTTGTAAACTGCTTTTATGCGGGGATTAAGTGTGCCATTTATGGCATTTTGCAGGTATCGCTTGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCTGGGGTCTAAGCGTGTTGTGAAATGCAGGCGCTGAACGTCGGAATTGCAGTGCGAACTGGTGGCCTAGAGTTCGCGGGAAGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTTACCGTAGCGTTACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU11317;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Bacilli(0.4812),o:Lactobacillales(0.2359),f:Lactobacillaceae(0.1098),g:Lactobacillus(0.0204);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGCGACGGTATCCAACCAGAAAGTCGCGGCTAACTACGTGCCAGCAGCCGCGGTAAAACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGAAGGACAAGTTGGAAGTGAAACCCACGGGCTCAACCCGTGAACTGCTTTCAAAACTGTTTTTCTTGAGTGGTGTAGAGGTAGGCGGAATTCCCGGTGTAGCGGTGGAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTCTAACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU11319;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9507),c:Spirochaetia(0.8472),o:Spirochaetales(0.6509),f:Spirochaetaceae(0.4563),g:Treponema(0.0808);

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>OTU11321;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9755),o:Clostridiales(0.9389),f:Lachnospiraceae(0.7787),g:Coprococcus(0.5720);

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0781),f:"Rikenellaceae"(0.0252),g:Alistipes(0.0076);
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1719),f:"Porphyromonadaceae"(0.0457),g:Dysgonomonas(0.0110);
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0781),f:Bacteroidaceae(0.0252),g:Bacteroides(0.0076);
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nococcaceae(0.1679),g:Clostridium_III(0.0181);
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2359),f:"Prevotellaceae"(0.0710),g:Prevotella(0.0134);
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2359),f:"Porphyromonadaceae"(0.0457),g:Coprobacter(0.0110);
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nospiraceae(0.2864),g:Blautia(0.0423);
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79),f:Spirochaetaceae(0.1291),g:Treponema(0.0157);
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acillaceae(0.3884),g:Lactobacillus(0.0712);
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nospiraceae(0.2184),g:Roseburia(0.0615);
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7252),f:"Porphyromonadaceae"(0.3204),g:Parabacteroides(0.0904);

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es(0.3639),f:Hyphomicrobiaceae(0.1485),g:Pedomicrobium(0.0230);
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nococcaceae(0.1098),g:Clostridium_IV(0.0134);
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7623),f:"Prevotellaceae"(0.4224),g:Prevotella(0.0712);
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ostreptococcaceae(0.1872),g:Clostridium_XI(0.0519);
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1719),f:"Prevotellaceae"(0.0457),g:Prevotella(0.0110);
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nospiraceae(0.1872),g:Clostridium_XlVb(0.0326);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
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bacteriales"(0.8629),f:Enterobacteriaceae(0.7428),g:Escherichia/Shigella(0.3479);
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4280),f:Bacteroidaceae(0.2524),g:Bacteroides(0.0712);
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ridiaceae_1(0.3204),g:Clostridium_sensu_stricto(0.0712);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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ridiaceae_1(0.5632),g:Clostridium_sensu_stricto(0.3043);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTCATGACGGC
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nospiraceae(0.2864),g:Clostridium_XlVa(0.0519);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAAGGATGAAGGG
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GTA

>OTU11415;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Bacilli(0.9180),o:Lactobacillales(0.6881),f:Lactobacillaceae(0.3884),g:Lactobacillus(0.0712);

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>OTU11414;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9605),c:Gammaproteobacteria(0.8897),o:"Enterobacteriales"(0.5023),f:Enterobacteriaceae(0.3204),g:Escherichia/Shigella(0.0712);

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>OTU11419;tax=d:Bacteria(1.0000),p:Firmicutes(0.9994),c:Bacilli(0.9897),o:Lactobacillales(0.9497),f:Lactobacillaceae(0.9015),g:Lactobacillus(0.6681);

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>OTU11418;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9747),o:Lactobacillales(0.9172),f:Streptococcaceae(0.6350),g:Streptococcus(0.4787);

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acillaceae(0.5632),g:Lactobacillus(0.3043);
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2039),f:Bacteroidaceae(0.0904),g:Bacteroides(0.0181);
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5395),f:"Prevotellaceae"(0.1291),g:Prevotella(0.0230);
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ridiales_Incertae_Sedis_XI(0.0000),g:Peptoniphilus(0.0000);
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CTAGAGTGAGTGAGAAGTACGCGGAATGCGAGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACCCCGATCGC
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8303),f:"Prevotellaceae"(0.4563),g:Prevotella(0.0423);
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6881),f:"Prevotellaceae"(0.3544),g:Prevotella(0.0712);
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AGGACCGGCTAATACCGTGCCAGCAGCCGCGGTAATACGGAAGGGCGGGGCGTTATCCGGATTTATTGGGTTTAAA
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CTTGAGTGCGCTGAAAGTGGGCGGAATTTGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCG
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onadales(0.6881),f:Sphingomonadaceae(0.4914),g:Sphingomonas(0.3043);
ACGGGAGGCAGCAGTAAGGGAGATTGGTCAATGGGCGGGAGCCTGAACCAGCCATGCCGCGTGAGGAATAAGGCC
CTATGGGTCGTAAACTTCTTTTGTGGTGGAGCAATAAGATCTACGAGTAGGTCGATGAGAGTACATCACGAATAAGC
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5023),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0326);
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cteriaceae(0.1679),g:Eubacterium(0.0423);
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nococcaceae(0.0560),g:Fastidiosipila(0.0134);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGACGGC
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GGTGCGTAGGCGGTTGATTAAGTTGGATGTGAAATACCCGGGCGTAACTTGGGGGGTGCATTCAAGACTGGTCAAC
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nospiraceae(0.1872),g:Roseburia(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
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nospiraceae(0.1485),g:Fusicatenibacter(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTT
ATTCGTAACGTAAAGCTCTATCAGCAGGAAAGATCATGACGGTACCTGACTAAGAAGTCCCGGCTAACTACGTGCCA
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nococcaceae(0.1679),g:Clostridium_IV(0.0204);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGAGGGAACTCTGATGCAGCAACGCCGCGTGAGGGAAGACGGT
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7623),f:"Prevotellaceae"(0.4914),g:Prevotella(0.0423);
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AGCGTAGGCCGGAGAGTAAGCGTGTTGTGAAGTGCCGCGGCTCGACCGTGGCACTGCAGCGCGAACTGGTTTTCTT
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5395),f:"Porphyromonadaceae"(0.1872),g:Parabacteroides(0.0519);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTAAGCCTGAACCAGCCAAGTCGCGTGAGGGATGAAGGC
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nococcaceae(0.0457),g:Clostridium_IV(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGT
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1483),f:"Prevotellaceae"(0.0355),g:Prevotella(0.0087);
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nadales(0.3959),f:Succinivibrionaceae(0.2184),g:Succinivibrio(0.0326);
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monadales(0.0000),f:Moraxellaceae(0.0000),g:Acinetobacter(0.0000);
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nococcaceae(0.0710),g:Cellulosibacter(0.0134);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
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5023),f:"Prevotellaceae"(0.1098),g:Prevotella(0.0204);
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ridiaceae_1(0.4224),g:Clostridium_sensu_stricto(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGTAAAACCCTTATTCAGCAACGCCGCGTGAGTTATGACGTTCT
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GGAGTGCGGATGCCGTTGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCACTCAGAACACCGATTTCGA
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>OTU11500;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Ruminococcaceae(0.0457),g:Papillibacter(0.0087);

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CGTGTAGCCGGGTCGGTAAGTCAGATGTGAAATCTAGGGGCTCAACTCGTAAACTGCATTTGAAACTGCTGCTCTTG
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>OTU11502;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8808),c:"Bacteroidia"(0.7114),o:"Bacteroidales"(0.4280),f:Bacteroidaceae(0.1291),g:Bacteroides(0.0230);

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GCGCGGGCGGTTGCTTAGGTCTGATGTGAAAGCCTTCGGCTTAACCGAAGAAGTGCATCGGAAACCGGGCGACTTG
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>OTU11506;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Lachnospiraceae(0.2184),g:Clostridium_XlVa(0.0615);

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>OTU11507;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Clostridiaceae_1(0.0149),g:Clostridium_sensu_stricto(0.0066);

ACGGGAGGCAGCAGTGGGGAATATTGGTCAATGGAGGCAACTCTGACCCAGCAACGCCGCGTGAATGATGACTGCCTTCGGGTTGTAAAGTTCTTTAATTGGGGACGTAGGATGTGACGGTACCCAATGATTAAGCGACGGCTACCTACGTGCCAGCAGCCGCTGCAATACGTAGGTGGCAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGAGCGTAGGCGGCGCAACAAGTTAGGAGTGAAATCCCGAGGCTTAAACTCGGAACTGCTTTTAAAACTGTTGTGCTTGATGGATGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGAGGCGAAGGCGGCTTTCTGGACATTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU11504;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6036),c:"Bacteroidia"(0.0726),o:"Bacteroidales"(0.0473),f:Prolixibacteraceae(0.0113),g:Prolixibacter(0.0056);

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>OTU11509;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9966),c:Deltaproteobacteria(0.9733),o:Desulfovibrionales(0.9063),f:Desulfovibrionaceae(0.7068),g:Desulfovibrio(0.4351);
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>OTU11511;tax=d:Bacteria(0.0024),p:Firmicutes(0.0000),c:Bacilli(0.0000),o:Bacillales(0.0000),f:Paenibacillaceae_1(0.0000),g:Paenibacillus(0.0000);
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9606),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);
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8955),f:"Rikenellaceae"(0.8505),g:Alistipes(0.7162);
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nococcaceae(0.0252),g:Clostridium_III(0.0076);
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nospiraceae(0.0252),g:Lachnobacterium(0.0076);
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3639),f:"Prevotellaceae"(0.0904),g:Paraprevotella(0.0157);
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(0.1483),f:Actinomycetaceae(0.0560),g:Trueperella(0.0134);
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nospiraceae(0.3884),g:Dorea(0.1735);

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7623),f:Bacteroidaceae(0.3544),g:Bacteroides(0.1299);

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nococcaceae(0.0355),g:Clostridium_III(0.0076);

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libacteraceae(0.0560),g:Gracilibacter(0.0134);

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nospiraceae(0.0000),g:Clostridium_XlVa(0.0000);
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9497),f:"Prevotellaceae"(0.8505),g:Prevotella(0.4787);
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5766),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0326);
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riales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Pedobacter(0.0046);
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1483),f:"Porphyromonadaceae"(0.0457),g:Barnesiella(0.0087);
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nospiraceae(0.1098),g:Blautia(0.0181);
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7623),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0615);
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>OTU11561;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Bacilli(0.4812),o:Lactobacillales(0.2359),f:Lactob
acillaceae(0.1098),g:Lactobacillus(0.0204);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
CTTCGGATCGTAAAACTCTGTCGTTAGAGAAGAACACGAGTGAGAGTAACTGTTCATTCCATGACGGTATCTAACCAG
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7252),f:"Prevotellaceae"(0.3204),g:Prevotella(0.0615);
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GAGCGCAGGCCGCCCCTTAAGCGTGATGTGAAAGGCAGCGGCTCAACCGGTGCACTGCATTGCGAACTGGGGGGCT
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9707),f:Bacteroidaceae(0.8505),g:Bacteroides(0.7643);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
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CGTAGGTGGACAGTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAGAAGTGCAGTTGGTACTGGCTGTCTTGAG
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9063),f:Bacteroidaceae(0.5273),g:Bacteroides(0.3479);
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CGTAGGTGGCCTGGTAAGTCAGTCGTGAAAGTCTGTGGCTCAACCGTAAAATTGCAGTTGATACTGTCAGTCTTGAGT
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8737),f:"Porphyromonadaceae"(0.7068),g:Butyricimonas(0.4787);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAATGG
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>OTU11566;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:Sphingobacteriia(0.1740),o:"Sphingobacte
riales"(0.0781),f:Sphingobacteriaceae(0.0252),g:Parapedobacter(0.0066);
ACGGGAGGCAGCAGTGAGGAATATTGGACGATGGAGGCAACTCTGACCCAGCCATGCCGCGTGCAGGACTAAGGC
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>OTU11564;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Clost
ridiaceae_1(0.2864),g:Clostridium_sensu_stricto(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGGGAAAGCCTGATCCAGCCACGCCGCGTGAGTGATGACGGC
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GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGATTATCTGGTCTGTA
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>OTU11568;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9776),o:"Bacteroidales"(0.
9685),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);
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>OTU11570;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9604),o:"Bacteroidales"(0.
8629),f:Bacteroidaceae(0.5991),g:Bacteroides(0.4351);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCGGCCAAGTAGCGTGAAGGATGACTGG
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>OTU11571;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9762),o:"Bacteroidales"(0.
9497),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);
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>OTU11569;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9812),o:"Entero
bacteriales"(0.9280),f:Enterobacteriaceae(0.9108),g:Escherichia/Shigella(0.5720);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
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8846),f:Bacteroidaceae(0.6350),g:Bacteroides(0.4787);
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3639),f:"Prevotellaceae"(0.1291),g:Prevotella(0.0230);
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9843),f:Bacteroidaceae(0.9387),g:Bacteroides(0.9705);
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9497),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);
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acillaceae(0.1291),g:Lactobacillus(0.0230);
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9389),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);
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(0.0000),f:Micrococcaceae(0.0000),g:Arthrobacter(0.0000);
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3639),f:Bacteroidaceae(0.1485),g:Bacteroides(0.0326);
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nospiraceae(0.1291),g:Lactonifactor(0.0204);
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3639),f:Bacteroidaceae(0.0904),g:Bacteroides(0.0181);
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9606),f:Bacteroidaceae(0.8505),g:Bacteroides(0.7643);
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9280),f:"Porphyromonadaceae"(0.9015),g:Butyricimonas(0.6200);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGGAGCCTGAACCAGCCAAGTCGCGTGAGGGATGAATGG
TCTCTGGCCCGTAAACCTCTTTTGTCAGGGAGGAATAAGGGTGACGAGTCATTCGATGCCAGTACTCGACGAATAAG
CATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGG
CGCGTAGGCGGGACGTCAAGTCAGCGGTAAAAGAACGCAGCTAAACTGTATAACGCCGTTGAAACTGGCGGCCTGG

AGACGATGCGAGGAAGGCGGAACAAGTGAAGTAGCGGTGAAATGCATAGATATCACGGAGAACCCCGATAGCGAA
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>OTU11588;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9867),c:"Bacteroidia"(0.9604),o:"Bacteroidales"(0.
8629),f:Bacteroidaceae(0.5273),g:Bacteroides(0.3479);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGCCGCGTGAAGGAAGAAGGC
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ATCGGCCAACTCAGTGCCAGCAGCCGCGGTAATACGGAGGATTCGAGCGTTATCCGGACTTATTGGGTTTAAAGGGA
GCGTAGGTGGACTGGTAAGTCAGTTGTGAAAGTTTGCGTCTCAACCGTAGAATTGCAGTTGATACTGTCAGTCTTGA
GTACAGTAGAGGTTGGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCAGTGGCGAAGG
CGGCTCACTGGACTGCAACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU11590;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:"Bacteroidia"(0.5579),o:"Bacteroidales"(0.
2999),f:"Porphyromonadaceae"(0.0457),g:Barnesiella(0.0110);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGC
CCTACGGGTTGTAAACCTCTTTTGCCGGGGAGCAACGCTGCGGACGTGTCCGCAGGTGAGAGTACCCGGAGAAAAA
GCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGG
GAGCGCAGGCCGCCGGGCAAGCGTGTTGTGAAATGCAGTCGCTCAACGTCTGCACTGCAGCGCGAACTGCCCAGCTT
GAGTACACACAAAGTAGGCGGAATTCATGGTGTAGTGGTGAAATGCTTAGATATCATGAAGAACCCCGATTGCGAAG
GCAGCTTACTGGAGTGTAACTGACGCTGAAGCTCGAAAGCGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU11591;tax=d:Bacteria(0.0058),p:"Bacteroidetes"(0.0000),c:Cytophagia(0.0000),o:Cytophagales(0.000
0),f:Cytophagaceae(0.0000),g:Larkinella(0.0000);
GTGAATCATCGAATCTTTGAACGCAAGTTGCGCCCGAGGCCACTCGGCCGAGGGCACGCCTGCCTGGGCGTCACGCC
AAAACACGCTCTCAATCCCCTCATCGGGAATCGGGATGCGGCATCTGGTCCCTCGTCTCGCAAGGGGCGGTGGACCG
AAGATCGGGCTGCCGGCGTACCGCGCCGGACACAGCGCATGGTGGGCGTCCTCGCTTTATCAACGCAGTGCATCCGA
CGCGTAGCCGGCATGATGGCCTCAAAACGACCCAGCAAACGAAGCGCACGTCGCTTCGACCGCGACCCCAGGTCAG
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>OTU11589;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8755),o:"Bacteroidales"(0.
7252),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0615);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
CCTATGGGTTGTAAACTGCTTTTGCGCGGGGATAAAGTGCGCCACGTGTGGCGCATTGCAGGTACCGCGCGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTCATTGGGTTTAAAGGG
AGCGCAGGCCGCCCCTTAAGCGTGTTGGTAAATGCCGCGGCTCAACCGTAAAATTGCAGTTGATACTGGATATCTTG
AGTGCAGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAG
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>OTU11592;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9776),o:"Bacteroidales"(0.9685),f:Bacteroidaceae(0.8864),g:Bacteroides(0.8124);

ACGGGAGGCAGCAGAGGGTTAGATACCCTGGTAAGATCGGACACACGTCTGAACTCCAGTCACCCAACAAACTCGTATGCCGTCTGTTAATTGAAACTAAAAAGGAATAAAGTCGGGTATGCATACCCGTTTGCATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGATGTTCAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGATATCTTGAGTGCAGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTCGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTAAGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU11593;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9711),o:"Bacteroidales"(0.8737),f:"Prevotellaceae"(0.6350),g:Prevotella(0.2171);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATACGGGAATAAAGTGAGCCTCGTGAGGCTTTTTGCATGTACCTTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGGAGATTAAGCGTGTTGGTAAATGCAGTGGATCACCGTCTGCACGGCAGCGCGACCTGCCCAGCTGGAGTGCGCGCAACGGTGGCGGAATTCGCCGTGTAGCGGTGAAATGCTTAGAGATGGCGAAGAACTCCGATTGCGAAGGCAGCTGACGGGTGCGTACCTGACGCTCATGCTCGAAAGGGCGGGTATCGAACAGGATAGATACCCTGGTA

>OTU11594;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.6881),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0519);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGGATAACCGTCGCCACGTGTGGCGTCTTGCAGGTACCGCATGAATAAGGAACGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCTGGCGTTATCCGGATTTAGTGGGTTTAAAGGGAGCGTAGGCAGCAGGGTAAGCTTGCAGTGAAAGGTACCGGCTCAACCGGTGATTTGCATCGCGAACTGCTGCGCTTGAGTGTGCGGTAGGAAGGCGGAATTCATGGTGTAGCGGTGAAATGCTTAGATATCAGGAGGAACCCCGATTGCGAAGGCAGCTTGCTGCCGCATGACTGACGCTGATGCTCGAAGGTGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU11596;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Ruminococcaceae(0.2524),g:Clostridium_IV(0.0204);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAATGCCGCGTGAAGGAAGAAGGCTCTTGGGTTGTTAACTTCCTTTTTTAGGGACGAATAGTTGAGGGTACCTGAGGAATAAGTCACGGCTAATTACGTGCCAGCAGCCGCGGAAATACGAAGGTGGCAAGCGTTATCTGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGACTGCAAGTCAGATGTGAAAACTCAGGGCTCAACCCTTAGCTTGCAGTTGAAACTGTAGTTCTTGAGTACAGTAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGTCTACTGGACAGCAACTGACGCTGAGGCGCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU11595;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Clostridiaceae_1(0.0710),g:Caloramator(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAACCCTGACCCAGCAACGCCGCGTGCGGGAAGAAGGTTTTCGGCTCGTAAACCTCTGTCCTAAGGGAAGAAGAAAGTGACGGTACCATATGAGAAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGCGTAGGCGGACTGATAAGTCTGGAGTGAAAGTCCTGCGTTCAAGGTGGGAGTTGCTTTTGATACTGTGGGGCTGGAGTGCAGGAGAGGAAAGCGGAATTACCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU11597;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Clostridiales_Incertae_Sedis_XII(0.0355),g:Acidaminobacter(0.0087);
ACGGGAGGCAGCAGTTGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCGGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCCTATGTGACGAAGGAAGTGACTGTCGCATAGGAGGACGCCCCGGTTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGATCGTTGTCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGTTTTGTAAGTTGGATGTGAAATACCCGGGCTTAACGTGGGGGCTGCATCCAATACTGCAGGACTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTTCTGGATTGTAACTGACGCTGAGGCACGGAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU11598;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Lachnospiraceae(0.4563),g:Coprococcus(0.1735);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTATTTCGGTATGTAAACTTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGTCTGACAAGTCAGAAGTGAAAGCCCGGGGCTTAACTCCGGGACTGATTTTGAAACTGACGGACTAGATTGCAGGAGAGGTAAGTTGAATTCCTAGTGTAGCGGTGAAATGCGTATATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTAAATGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTTGTA
>OTU11601;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9726),o:"Bacteroidales"(0.8955),f:Bacteroidaceae(0.5632),g:Bacteroides(0.3915);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGCAGGATGAAGGCCCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTATGTATACTGTTTTGTATGTACTATATGAATAAGGATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGAATGTTAAGTCAGTTGTGAAAGGTTGCGGCTCAACCGTTAAAGTGCGGTGGGGACTGGCTGTCTTGAGTGCAGAAGAGGTTGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCGCGAGACCGCAACTGACACTAATGCTCGAAAGTGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU11599;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Peptostreptococcaceae(0.1291),g:Clostridium_XI(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAAGGGCGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGATTTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGGAGTGAAAGGCTACGGCTCAACCGTGGCAAGCTCTTGAAACTGGTCAACTTGAGTGCATGTGACGAAAGTGGCATTCCTAGTGTAGCGGTGAAATGCTTAGATATTAGGAGGAACACCAGTAGCGCAGGCGGCTTTCCGGACTGCAACTGACACTTAGGCACGAAAGCGTGGGTAGCCAACAGGATTAGATACCCTGGTA
>OTU11600;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.9389),f:Bacteroidaceae(0.6709),g:Bacteroides(0.5239);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGCATACCCGTTTGCATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGATGATTAAGTGAGTTGTGAAAGGTTGCGGCTCAACCTTAAAATTGCAGTTCATACTGGATATCTTGAGTGCATTCGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCCGCTAAGCTGCTACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU11602;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9348),c:Spirochaetia(0.8048),o:Spirochaetales(0.5395),f:Spirochaetaceae(0.3544),g:Treponema(0.0808);
ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGAACGAAGAAGGCCGGAAGGTTGTAAAGTTCTTTTGAAACTGAAGAATAAGTATTGCAGGGAATGGCGATATGGTGACGGGAGGATTTGAATAGGCAACGGCTAGTTACGTGCCAGCAGCCGCGGTAACACGTACGGTGCGAGCGTGGTTCGGAATTATTGGGCGTAAAGGGCATGTAGGCGGTTTTGCAAGCGTGGTGTGAAATGCATAGGCTCAACCTATGAACTGCATTGAGAACTACAAGACTTGAGTTACTTAGGTGGAACTGGAATTCCTGGTGTAGCGGTGAAATCTGCAGATATCTGGAAGAACACCAATTGCGAAGGCAAGTGGCAAGCAGATAACTGACGCTGAGGTGCGAAGGTGCGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU11603;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9755),o:Clostridiales(0.9389),f:Lachnospiraceae(0.6709),g:Blautia(0.3043);
ACGGGAGGAAGAAGAGGGGAATATTGCACAATGGGGGAAACCCTGATTCAGCGACGCCGCGTTAATGAAGAAGTATCTCGGTATGTAAACTTCTATCAGCAGGGAAGATAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGACTGGCAAGTCTGATGTGAAAGGCATGGGCTCAACCTGTGGAATGCATTGGAAACTGTTAGTCTTGAGTGCCGGAGGGGTAAGCGGAATTACTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGAAGTTGAGGCTCGAAAGCGTGGGGAGAAAACAGGATTAGATAAAAGGGTA

>OTU11604;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8448),c:"Bacteroidia"(0.6346),o:"Bacteroidales"(0.3639),f:Bacteroidaceae(0.1872),g:Bacteroides(0.0519);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAACGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGGATACCCGTTTGCATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGACATTCAAGTCTGCGGTCAAATTCCGGGGCTCAACCCCGGCCAGCCGTGGAAACTGTTAGTCTTGAGTGCCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU11605;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.6881),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0519);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTGTGTGGGGATAAAGTGCACTACGTGTGGCGCATTGCAGGTACCGCGTGAATAAGGATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGCCTGTTAAGCGTGTTGTGAAATGTCGCGGCTCAACCGTAGAACTGCAGCGCGAACTGGGGGTCTTGAGTGCAGGAAGGGCAGGCGGAACTCGTGGTGTAGCGGTAAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCGGGGGCGCAACTGACACTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU11606;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.7995),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0615);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGGATACCCGTTTGCATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCTGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTGTTAAGCGGGTTGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGGGAGACTTGAGTGCGCGGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU11607;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Ruminococcaceae(0.2524),g:Clostridium_IV(0.0181);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCAGGTTGTAAACTTCTATTGTCAGGGAAGATGAAGAGACTGTACCTGACGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGAAGATAAGTCAGGCGTGAAAACCAGAGGCTCAGCCGCATGCCTGCGTGTGAAACTGTTTTTCTGGAGTACTGGAGAGGTTGACGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGTTCAACTGGACAGCAACTGACGCTGAGGCGCGAATGCGTGGGGAGCAAACAGGAGTAGATACCCTGGTA

>OTU11608;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Bacilli(0.7114),o:Lactobacillales(0.4280),f:Lactobacillaceae(0.2184),g:Lactobacillus(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGCAAACTTCTTTTAAGAGGGACGAAGAAGTGACGGTACCTCTTGAATAAGCCACGGCGAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGGGAACGCAGGCGGTCTTTTAAGTCTGATGTGAAAGCCTTCGGCTTCACCCGAGTAGTGCATTGGAAACTTGAAGACTTGCGTGCCGGAGAGGAGAGTGGAACTCCATTTGTAGCGGTGAAATTCGTAGATATATTGAAGAACACCAGTGGCGAATGCGGCTCTCTGGTCTGTAACTGACGCTGATGTTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU11609;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Bacilli(0.9755),o:Lactobacillales(0.8846),f:Lactobacillaceae(0.7068),g:Lactobacillus(0.5720);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCGACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTCGTTGGTGAAGAAGGATAGAGTCAGTAACTGGTCTTTATTTGACGGTACTCAACCAGCAAGTCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAATGGTAAGTCAGATGTGAAAGGCCGGGGCTCAACCGAGGAACTGCATCGGAAACTGTCATTCTTGAGTGCAGGAGAGGAGAGTGGAATTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAGGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU11610;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9762),o:Lactobacillales(0.8955),f:Lactobacillaceae(0.8505),g:Lactobacillus(0.5720);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGGGCAACGCCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTCGGCAGTGAAGAAAGATAGAGGTAGTAACTGGCCTTTACTTGACGGTAATTACTTAGAAAGTCACGGCTAACTACGTGCCAGCAGCTGCGGTAATACGTAGGTGGGAAGCGTGGTCCGGAATTATTGGGCGTAAAGCGAGTGCAGGCGGTTCAATAAGTCGGTTGTGAAAGCCTGCGGCTCAACCGGAGAGCTGCATCAGGAACTGTTGACCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAACGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU11611;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9441),c:Deltaproteobacteria(0.5579),o:Desulfovibrionales(0.2999),f:Desulfovibrionaceae(0.1485),g:Desulfocurvus(0.0230);
GTGTCAGCCGCCGCGGTAATACGGAGGGTGCGAGCGTTAATCGGAATCACTGGGCGTAAAGCGTGCGTAGGCGGCTTTGCAAGTCAGGTGTGAAAGCCCTCGGCTCAACCGGGGAATTGCACTTGAAACTGCATGGCTCGAGTCTCGGAGAGGGTGGCGGAATTCCCGGTGTAGGAGTGAAATCCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCCACCTGGACGATGACTGACGCTGAGGTACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTAGTCCACGCCGTAAACG

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8520),f:"Prevotellaceae"(0.4914),g:Prevotella(0.0808);
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ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCTGAATGTTAAGCGTGTCGTGAAATGTCCGGGCTCAACCGTGGAACTGCGGCGCGAACTGGTATACTTGA
GTGCGTAGGACGTCGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACCCCGATTGCGAAGG
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>OTU11615;tax=d:Bacteria(0.0058),p:"Proteobacteria"(0.0000),c:Alphaproteobacteria(0.0000),f:SAR11(0.0
000),g:Candidatus_Pelagibacter(0.0000);
CTTGGTCATTTAGAGGAAGTAAAAGTCGTAACAAGGTTTCCGTAGGTGAACCTGCGGAAGGATCATTAAAGAGTAAG
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GCTGGGGATTCGTCCCAGGCGAGTGCCCGCCAGAGTTAAACCAAACTCTTGTTATTAAACCGGTCGTCTGAGTTAAAA
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8846),f:Bacteroidaceae(0.6709),g:Bacteroides(0.5239);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
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CGTAGGCGGCCGAGTAAGTCAGCGGTGAAAGACCGGGGCTCAACCCTGGAAGTGCCGTTGATACTGTTTGGCTGGA
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>OTU11616;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9762),o:Clostridiales(0.9497),f:Lach
nospiraceae(0.7787),g:Clostridium_XlVa(0.6200);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGGA
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ridiaceae_1(0.6709),g:Clostridium_sensu_stricto(0.4351);
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1015),f:"Porphyromonadaceae"(0.0355),g:Barnesiella(0.0087);
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49),f:Spirochaetaceae(0.0457),g:Treponema(0.0110);
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0.0000),f:Ferrovaceae(0.0000),g:Ferrovum(0.0000);
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52),f:Spirochaetaceae(0.5273),g:Treponema(0.2171);
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CAGACTTGAGTGCGGAAGAGGCAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAG
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ridiaceae_1(0.5273),g:Clostridium_sensu_stricto(0.1735);
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GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTA
AAGCGAGCGCAGGCGGTCGCTTAGGTCTGATGTGAAAGCCTTCGGCTTAACCGAAGAAGTGCATCGGAAACCGGGC
GACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGTAATAATACCAGTG
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>OTU11668;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lach
nospiraceae(0.2864),g:Clostridium_XlVa(0.0712);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGAAACCCTGATGCAGCGACGCCGCGTGAGGGAAGAAGTAT
TTCGGTATGTAAAGCTCTATTAGCAGGGAAGAGAATGACGGTACCTGACTAAGAAGCCCCGGCTAAATACGTGCCAG
CAGCCGCGGTAAATCGTAGGGGGCAAGCGTTAGCCGGAATTAATGGGAGTAAAGGGAGCGTAGACGGCGATGCAA
GTCTGGAGTGAAAGCCCAGGGCTCAACCCTGGGATTGCTTTGGAAACTGCATGTCTAGAGTGCTGAAGAGGTAAGT
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACAGTA
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>OTU11672;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9887),o:Lactobacillales(0.9938),f:Lactob
acillaceae(0.8146),g:Lactobacillus(0.4787);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGCGTGAAGAAGGG
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GAACGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTCGGTGGCAAGCGTTATCCGGATTTATTGGGCGTA
AAGCGAGCGCAGGCGGTTGCTTAGGCCTGATGTGAAATCCATCGTCTTAACCGAAGAAGTGCATCGGAAACTGGGC
ACCTTGAGTGAAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCGGTT
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>OTU11673;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9776),o:"Bacteroidales"(0.
9685),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
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ATCGGCTAACCTCGTGCCAGCAGCCGCGGTTATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGATGGATGTTTAAGTCAGTTGTGAAAGTTTCCGGCTCAACCGTAAAATTGCATTTGATACTGGATTTCTTGAG
TACAGTTGCGGCAGGCGGAATGCGTGGTGTAGCGGTGAAATGCTTAGATATCACGCAGAACTCCGATTGCGAAGGC
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>OTU11674;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.4311),c:"Bacteroidia"(0.0525),o:"Bacteroidales"(0.
0352),f:"Porphyromonadaceae"(0.0086),g:Coprobacter(0.0043);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGTAGGC
CCTAGGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCTCACGTCCGATGAGAGTACCAGGGGAATA
AGCATAGGCTAGCTCCGTGCCAGCAGCCGCGGTAATACGGGGTATGCGAGCGTTATCCGGATGCATTGGGTTTAAAG
GGTGCGTAGGCTGTGCGTCAAGTCAGGGGTGAAATGCCGGGGCTAAACTCAGGGGCTGCCCTTGATACTGTCGCGC
TGGAGTGAGGATGCCGCCGGAGGAATGCGTGGTGTAGCGGTGAAATGCTTAGATATCACTAAGAACACCGGTTGCG
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>OTU11671;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9867),c:Gammaproteobacteria(0.9711),o:"Entero
bacteriales"(0.7623),f:Enterobacteriaceae(0.5632),g:Escherichia/Shigella(0.0904);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
CTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATACATTTGCACATTGCGGTTACCCGCGGA
AGAACCACCGGCTAACTCCGTGCCAGCAGCGGCGGTAATACGTTTGGTGCAAGCGTTAATCGGAATTACTGGGCGTA
AAGCGCACGCAGGCGGTTTGGCAAGCCAGATGTGAAATCCCCGGGCTCAACCTCGGGACTGCATTTGATACTGGAGT
GCTTGAGTCTCGTAGAGGGAAGTAGAATTCCGGGTGTAGCGGTGAAATGCGTAGATATCTGGAGGAATACCGGTGG
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>OTU11676;tax=d:Bacteria(0.0058),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Clostridiales(0.0000),f:Clostridiales_Incertae_Sedis_XI(0.0000),g:Peptoniphilus(0.0000);

GCCGCTGAGGGGTTGACCAAGCGCCGCGCGGTCGGTTTTCTGCTTAGGAGTTTAATCATGTTTCAGACTTTTATTTCTCGCCATACTTCAAACTTTTTTTCTGATAAGCTGGTTCTCACTTCTGTTACTCCAGCTTCTTCGGCACCTGTTTTACAGACACCTAAAGCTACATCGTCAACGTTATATTTTGATAGTTTGACGGTTAATGCTGGTAATGGTGGTTTTCTTCATTGCATTCAGATGGATACATCTGTCAACGCCGCTAATCAGGTTGGGTCTGGTGGTGCGGATATTGCTTTTGATGCCGACCCTAAATTGTGTGCCTGTTTGGTGCGCTTTGAGTCTGCTGCG

>OTU11675;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Lachnospiraceae(0.0560),g:Roseburia(0.0110);

AAGGAAGGCAGAAGGGGGGAAGAGGGGAAAAGGGGGGAAAGAAGGAGGGAGAGACGAGGAGTGAGGGAAGAAGGATTTCGGTATGTAAAGCTCTATGATCAGGGAAGAAGAAAACGGTACCTGACTAAGAAGCCCCGGCTAAATACGTGCCAGCAACCGCGGTAATAAGTAAGTGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGGACACAAGTCAGGTGTGAAATCTATGGGCTTAACCCATAAACTGCACTTGAAACTGTATCTCTTGAGTGTCGGAGAGGTAGACGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGTCTACTGGACGATAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU11679;tax=d:Archaea(0.0014),p:Diapherotrites(0.0000),g:Diapherotrites_Incertae_Sedis_AR10(0.0000);

TGCTTATGGAAGCCCAGCCTTGGGGCTTGAGAAAGAGTATCAATGCCCCACGCCTCCATAGCAGGTTTAAGAGCCTCGATCCGCTCAAAGTCAAAATAATCAGCGTGACATTCAGAAGGGTAATAAGAACGAACCATAAAAAAGCCTCCAAGATTTGGAGGCATGAAAACATACAATTGGGAGGGTGTCAATCCTGACGGTTATTTCCTAGACAAATTAGAGCCAATACCATCAGCTTTACCGTCTTTCCAGAAATTGTTCCAAGTATCGGCAACAGCTTTATCAATACCATGAAAAAGATCAACCACACCAGAAGAAGAAGCAGGGACGACAGTAGAAATATCCTGGGCAGTAGCGCCAATAGGAGAAGAGCCATACCGCTGATGCTGCGGTTGCT

>OTU11678;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9892),o:Lactobacillales(0.9938),f:Lactobacillaceae(0.9015),g:Lactobacillus(0.6200);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGCGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTGGAGGAGAACGTTCGTGTGCGTAACTGTTCACGCAGTGACGGTATCCAACCAGAAAGTCACGGCTAACTCCGTGCCAGCAGCCGCTGCAATACGTCGGGGCCAAGCGCTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTGCTTAGGTCTGATGTGAAAGCTTTCGGCTTAACCGAAGAATTGCATCGGAAACCGGGTGACTTGAGTGAAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU11677;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Bacilli(0.7881),o:Lactobacillales(0.5023),f:Lactobacillaceae(0.3204),g:Lactobacillus(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGGAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGTGGAGGAAGGCCCGGATAACTACGTGCCAGCAGGCACGATAATACGTAGGTGGCCAACGTTATACGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTGATAAGTCTGATGTGAAAGCCTTTGGCTTAACCAAAGAAGTGCAGCGGAAACAGTAAGACTTGAGTGCAGAAGAGGACAGTGGAACTCCGTGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCTGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU11680;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachnospiraceae(0.4224),g:Clostridium_XlVa(0.1735);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCCGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAGAAGACGGTACCTGACTAAGAAGCCCTGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGTGTAGGCGGGACTGCAAGTCAGATGTGAAAATTACGGGCTCAACCCGTAACCTGCGTCTGAAACTGTGGTTCTTGAGAGTGGGAGAGGTAGATGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTAACTGACGTCGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU11682;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8520),f:Bacteroidaceae(0.3884),g:Bacteroides(0.1735);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCCGAACCAGCCAAGTAGCGTGAAGGATGAAGGCCCTATGGGTTGTAAACTTCTTTTATATCGGCATAAAGTGTGACATGTGTACTTTTTTGTATGTATCGTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGCTGGTAAGTCAGTTGTGAAAGTTAGGGGCTCAACAGTAAAATTGCAGTGGATACTGGAGACCTTGAGTACAGTAGAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATGGCGAAGGCAGCTGACTGGACTGCAACTGACGCTGATGCTCGAAAGTGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU11681;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Lachnospiraceae(0.6350),g:Roseburia(0.3915);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCCGATGCAGCGACGCCGCGTGAGCGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAAAAATGACGGTACCTGACTAAGAAGCACCGGCTAAATACGTGCCAGCAGCCGCGGTAATAAGTATGGTGCAAGTGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGTACGGTAAGTATGATGTGAAAGCCCGGGGCTCAACCCCGGTACTGCATTGTAAACTAGCGGACTAGAGTGTCGGAGGTGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU11683;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9835),c:Gammaproteobacteria(0.9711),o:"Enterobacteriales"(0.7252),f:Enterobacteriaceae(0.5273),g:Escherichia/Shigella(0.1299);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCCATGCCGCGTGTATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTCGGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTGCGCATTGACGTTACCCGAAGAAGAAGAAACGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATTATTGGGCGTAAAGCGCACGCAGGCGGTTTGATAAGTCAGATGTGAAATCCCCTGGCTTAACCTGGGAACTGCATCTGATACTGGCAGACTTGAGTGTCGTAGAGGGCGGTAGAACTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCAGTGGCGAAGGCGGCCCCCTGGACGGAGACTGACGCTCAGGTGCGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU11684;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9994),c:"Bacteroidia"(0.9798),o:"Bacteroidales"(0.9753),f:Bacteroidaceae(0.9201),g:Bacteroides(0.9566);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGGCGCTAGCCTGAACCAGCCAAGTAGCATGAGGGATGAAGGCTCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTATGTATACTGTTTTGTATGTATTATATGAATAAGGATCGGCTAACTCAGTGCCAGCAGCCGCGGTAATACGGAGGATCTGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGGTAAGTTAGTTGTGAAAGTTTGCGGCTCAACCGTAGAATTGCAGTTGATACTGTCAGTCTTGAGTGCAGTAGAGGTGAGCGGAATTCCTGGTGTAGCGGTGAAATGCTTAGATATTACGAGGAACTCCGATTGCGAAGGCGGCTCACCGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU11686;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9740),o:"Bacteroidales"(0.9172),f:Bacteroidaceae(0.6350),g:Bacteroides(0.4787);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACAAGCCAAGTAGCGTGAAGGATGAGGGCTCTATGGGTCGTAAACTTCTTTTAGATAAGAATAAAGTGCAGTATGTATACTGTTTTGTTTGTATTATATGAATAAGGAACGGCTAACTCAGTGCCAGCAGCCGCGGTAATACGGAGGATTCGAGTGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGGTAAGTCAGTTTTGAAAGTTTGCGGCTCAACCGTAAGATTGCAGTTGATACTGGATATCTTGAGTGCAGTTAAGGCATGCGGAATTCGTGGTGTAGCGGTGTAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCAGCTAAGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU11685;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9704),c:"Bacteroidia"(0.8472),o:"Bacteroidales"(0.6509),f:Bacteroidaceae(0.3884),g:Bacteroides(0.1735);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACGGCCCTATGGGTCGTAAACTTCTTTTATGTGAGAATAAAGTGCAGTACGTATACTGTTTTGTATGTATTATATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCGGATTGGTAAGTGAGATGTGAAATTTTGCGGCTCAACCGTAGAACTGCATTTGAAACTGTCAGTCTTGAGTGCGGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCATAGATATCACGAAGAACACCGATTGCGAAGGCATCTCACAAAGCCGTAACTGACGCTGAGGCACGAAGGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU11687;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Lachnospiraceae(0.1291),g:Syntrophococcus(0.0230);

ACGGGAGGCAGCAGTGGGGAATATTGCTCAATGGGGGAAGCCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAAAGGACGGTACCTTACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCTTTATCCGGATTTACTGGGGGTAAAGGGAGCGTAGACGGCTGTGCAAGGCTGAAGTGAAAGCCCGCGGCTCAACTGCGTAATTGCTTTCGAAACTGTATAGCTTGAGTATCGGAGGGGTAAGCGGAATTCCTAGTGTAGCGGGTAAAAGCGTTGATATTAGGAAGAACACCGGTGGGGAAGGCGGCTTACTGGACGATAACTTACCTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAAATACCCTGGTA

>OTU11688;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Ruminococcaceae(0.4563),g:Oscillibacter(0.0519);

ACGGAAGGCAGCAGTGGGGGATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCTGGTTGTAAACTTCTTTTGTCAGGGACGAGTAGAAGACGGTACCTGACGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGAGGGCAAGTCAGATGTGAAGTCCACGGGCTCAACGCGTGAACTGCATTTGGAACTGTTCTTCTTGAGTATCGGCGAGGCTATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGATTGCAAGACGACAACTGACGGTAAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU11689;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9913),o:Lactobacillales(0.9775),f:Lactobacillaceae(0.9480),g:Lactobacillus(0.8605);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTAGAGAAGAACGTGCGTGAGAGCAACTGTTCACGCAGTGACGGTATCTAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCATAAAGCGAGCGCAGGCGGTTTGATAAGTCTGATGTGAAAGCCTTTGGCTTAACCAAAGAAGTGCATCGGAAACTGTCAGAATTGAGTGCAGAAGAGGTCAGTTGAACTCCATGTGTAGCGGTGGAATACATAGATATATGGCAGAACACCCGTGGCGATAGCGGCTGTCTGGTCTGCAACTTGCGCTGAGGCTCGAAAGCATGGGTAGCGAAAAGGATTAGATACCCTCGTA

>OTU11691;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.9321),o:Clostridiales(0.8303),f:Ruminococcaceae(0.5632),g:Intestinimonas(0.0712);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTGTCAGGGACGAACCAAGTGACGGTACCTGACGTATACGCCACGTCACACTAAGTGCGAGCAGGCGCGGTAATACGGAGGTGGCAAGCGTTGTCCGGATTTACCGGGTGTAAAGGGCGTGTAGGCGGGAGTGCAAGTCAGATGTGAAAATTATGGGCTCAACCCATAACCTGCATTTGAAACTATACTTCTTGAGTGCTGGAGAGGCAGGCGGAATTCCGTGTGTAGCGGTGAAATGCGTAGAGATACGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACAGCAACTGACGCTGAGGCGCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU11692;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9900),c:Epsilonproteobacteria(0.9726),o:Campylobacterales(0.8629),f:Campylobacteraceae(0.7428),g:Campylobacter(0.6200);
ACGGGAGGCAGCAGTAGGGAATATTGCGCAATGGGGGAAACCCTGACGCAGCAACGCCGCGTGGAGGATGACACCCTTCGGAGCGTAAACCCCTTTTCTTAGGGAAGAATTCTGACGGTACCTAAGGAATAAGCATCGGCTAACCCCGTGCCAGCACCCGCGGCAATACGGAGGGGGCAAGCGTTACTCGGAATCACTGGGCGTAAAGGGCGCGTAGGCGGATTATCAAGTCACATGTGAAATCTAATGGCTTAACCATGGAACTGCTTGGGAAACTGATAGTCTAGAGTGAGGGAGAGGCAGATGGAATTGGTGGTGTAGGGGTGAAATTCGTAGATATCAGGAAGAATACCAATTGCGAAGGCGTTCTGCTGGGACTCATCTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU11690;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:"Bacteroidia"(0.1159),o:"Bacteroidales"(0.0547),f:"Porphyromonadaceae"(0.0149),g:Parabacteroides(0.0066);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGCCCTACGGGTCGTAAACTTCTTTAGACGCAGAACAATAAGGTCCACGCGTGGACCGATGAGAGTATGCGTAGAATAAGCATCGACTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTACGTAGGCGGGCGAGTAAGTCAGTAGTGAAAGACCGCGGCTCAACCGTGGAAGTGCAGTTGATACTGTTTGGCTTGAATGCAGCCGCGGCGGGAGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGAAGAACACCGATTGCGAAGGCATCTTGCGAGGGGGCAATTGACGCTGAGGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA
>OTU11693;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9791),o:"Bacteroidales"(0.9730),f:Bacteroidaceae(0.9015),g:Bacteroides(0.8605);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGCAGGATGAAGGCTCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTATGTATCCTGTTTTGTATGTATTCTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGTTAAGTGAGTCGTGAAAGTTTGAGGCTCAACCGTAGAATTGCAGTTGAAACTGACAGTCTTGAGTACAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCTGACGGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU11695;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Bacilli(0.9726),o:Lactobacillales(0.8629),f:Lactobacillaceae(0.6709),g:Lactobacillus(0.1735);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTTGGCTCGTAAAGCTCTGTTGTTAGAGAAGAACGTGCGTGTGAGCAACTGTTCACGCAGTGACGGTTTCTAACCAGAAAGTCACGGATAACTACGTGCCCGCAGCCGCGTTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGGGAGCGAAGGCGGATTGATAAGTCTAATGTGAAAGCCTAAGGCTTAACCATAGAAGTGCATTGGAAACTGTCAAACTAGAGTGTAGAAGAGGACAGTGGAACTCCATGTGTAGAGGTGAAATGCGTAAATATATGGAAGAACACCAGTGGCGAAGGCGTCTATCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU11694;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Bacilli(0.9733),o:Lactobacillales(0.8520),f:Lactobacillaceae(0.6350),g:Lactobacillus(0.3479);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGATGAAGGGCTTCGGCTCGTAAAACTCTGTTGTTAGAGAAGAACGTGCGTGAGCGCAACTGTTCATGCAGTGACGTTATCTAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCACGGGAATACGTAAGTGGCAAGCGTTATTCGGATTTATTGGGCGTAAAGCGAGCGTAGGCGGTTTGATAAGTCTGATGTGAAAGTCTTTGGCTTAACCAAAGAAGTGCATCGGAAACTGGCAGACTTGAGTGCAGCAGAGGAAGGTGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATAGGGAAGAACACCAGTGGCGAAGGCGGCTTGCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU11697;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9827),o:"Bacteroidales"(0.9843),f:Bacteroidaceae(0.9294),g:Bacteroides(0.9686);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTCTATGGGTCGTAAACTTCTTTTATATAGGAATAAAGTGCAGTATGTGAGCTGTTTTGCATGTATTATATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGGTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTTAAACTGCAGTGCAAACTGGCAGTCTTGAGTACAGTCGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU11696;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Lachnospiraceae(0.4914),g:Roseburia(0.3043);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAGAAGACGGTACCTGACTAAGAATCCCTGTATAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGTACGGTAAGTCTGATGTGAAAGACCGGGGCTCAACCCCGGTACTGCCTTGGAAACTATCGGACTAGAGTGTAGGAGGGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGACTACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU11699;tax=d:Archaea(0.0024),p:"Euryarchaeota"(0.0000),c:Halobacteria(0.0000),o:Natrialbales(0.0000),f:Natrialbaceae(0.0000),g:Natrinema(0.0000);
ACCTTCCAACGGCCTGTCGCATCATGGAAGGCGCTGAATTTACGGAACACATTATTCATGGCGTCGAGCGTCCGGTTCACGCCGCTGAATTGTTCGCGTTTACCTTGCGTGTACGCGCAGGAAACACTGACGTTCTTACTGACGCAGAAGAAAACGTGCGTCAAAAATTACGTGCAGAAGGAGTGATGTAATGTCTAAAGGTAAAAAACGTTCTGGCGCTCGCCCTGGTCGTCCGCAGCCGTTGCGAGGTACTAAAGGCAAGCGTAAAGGCGCTCGTCTTTGGTATGTAGGTGGTCAACAATTTTAAGTGCAGGGGCTGCGGCCCCTTACTGGAGGATAAATTAGGTCGAATGGTCAAACTGGCGCCGAGCGTAGGCCGCAG

>OTU11698;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9805),o:"Bacteroidales"(0.9775),f:Bacteroidaceae(0.9015),g:Bacteroides(0.8605);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGATAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCACTATGTATACTGTTTTGTATGTATTATATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGTTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGTTGGAATGGTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAGAATTGCAGTTGATACTGTCCGTCTTGAGTACATTGAAGGTTGGCGGAATTTGTTGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCACACTGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU11700;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.9280),f:Bacteroidaceae(0.6709),g:Bacteroides(0.5239);

ACGGGAGGCAGCAGTGAGTAATATTGCTCAATGGGCGGGAGACTGAACCAGCCAAGTAGCGTGAAGGATGAATGCCCTATGGTTTGTAAACTTCTTGTATAAAGGAATAAAGTCGGGTATGGATACCCGTTTGCATCTACTTTATGAATAAGGATCGGCTAACTCAGTGCCAGCAGCCGCGCTAATACGGGAGATCCTAGCGTTATACGGAGTTATTGGGTTTAAAGGGAGCGTAGATGGATGTTTAAGTCAGTTGTGAAAATTTTCGGCTCAACCGTAAAATTGCAGTTGATACTGGATATCGTAAGTGCAGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCTCGAAGAACTCCGATTGCGAAGGCAGCCTGCTAAGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU11702;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9776),o:"Bacteroidales"(0.9685),f:Bacteroidaceae(0.8505),g:Bacteroides(0.7643);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTGTAAAGGAATAAAGTCGGGTATGGATACCCGTTTGCATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGATGTTTAAGTCAGTTGTGAAGTCTTGCGGCTCAACCGTAAAATTGCAGTTGTTACTGGATATCTTGGGTGCAGTGGAGGCAGGCGGAATTCGTGGTGTAGCGTTGAAAGGCTTAGGTATCACGAAGAACTCCGATTGCAAAGGCAGCCTGCTAAGCTGCAACTGACATTGAGGCTCGAAAGTGCGGTATCAAACAGGATTAGATACCCTGGTA

>OTU11703;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Clostridiaceae_1(0.1872),g:Clostridium_sensu_stricto(0.0519);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGACGAAGGGTTTCGGCTTGTAAAGCTCTGTTGTTAGAGAAGAACGTGCGTGAGAGCAACTGTTCACGCAGTGACGGTATCTAACCACAAAGTCCCGGCTAACTACGTGCCAGCCGCCGCGGGAATACATAGGTTGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAAGTTGAATGTGAAACCCCCGGGCTCAACTTGGGTGCTGCATTCAATACTGGTTATCTAGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGACTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU11701;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Bacilli(0.9851),o:Lactobacillales(0.9934),f:Lactobacillaceae(0.7068),g:Lactobacillus(0.3479);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCCGTTGTTGGAGAAGAGCGTGCGTGAGAGTAACTGTTCACGCAGTGAAGGTATCCAACCAGAAAGTCACGGCTAACTACGTGTCAGCAGCCGCGGCAGAACGTAGGAGGCAAGCGCTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTGCTTAAGTCTGTTGTGAAAGCCTTCGGCTTAACCGTAGAAGTGCATCGGAAACCGGGCAACTTGAGTGCAGTAGAGGACAGCGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACTCCGGTGGCGAAGGCAGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU11704;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Lachnospiraceae(0.5273),g:Butyrivibrio(0.1735);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGATAATGACAGTACCTGACCAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGACGGAAGAGCAAGTCTGAAGTGAAAACCTGCGGCTTAACTGCAGGATTGCTTTGGAAACTGTTTTTCTTGAGTACTGGAGAGGTAAGCGGAATTCCTGGTGTAGTAGTGAAATGCGTAGATATCAGGAAGAACACCGGAGGCGAAGGCGGCTTACTGGACAGCAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU11705;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9762),o:"Bacteroidales"(0.9497),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGTCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCCCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTACGTATCCTGTTTTGTATGTACTGTATGAATAAGGATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGTGGGCTGGTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAGAATTGCAGTTGGTACTGTCAGTCTTGAGTGCAGTAGACGTGAGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTAGACTGCAACTGACGCTAAAGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU11706;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8520),f:"Prevotellaceae"(0.4914),g:Prevotella(0.2171);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATATGAGGATAAAGTGTGCCACGTGTAGCATATTGCAGGTATTCTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGATAACACGGAGGATCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGACTTGTAAGTGTGTTGTGAAAGGTCGGGGCTCAACCGGGACATTGCAGTGGGAACTGTCAGTCTTGAGTACAGTAGAAGTGGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCTTACTGTAGCGCAACTGACGCTGAAGCTCGAAAGTGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU11707;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.9063),f:"Porphyromonadaceae"(0.8505),g:Butyricimonas(0.6681);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACTGGCCTATGGCCTGTAAACCTCTTTTGTCAGGGAAGAATAAGGATGACGAGTCATTCGTTGTCAGTACTTTACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTTCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGGACGTTAAGTCTGTGGTAAAAGACTGCAGCTAAACTGCAGCATGCCGTTGAAACCGGGTCCATGGAGACGCGAAGAGGGAGGCGGAACAAGTGAAGTAGCGGTGAAATGCATAGATATCACTGGGAACCCCGATAGCGAAGGCAGGTTCCCAGGCTCGTTCTGACGCTGATGCGCGAGAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU11709;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9726),o:"Bacteroidales"(0.8955),f:Bacteroidaceae(0.4563),g:Bacteroides(0.2607);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTCTATTGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCACTATGTGTACTGTTTTGTATGTATTCTATGAATAAGGATCGGCTAACTTCGTGCCAGCAGCCGCGTTCATACGGAGGGTCCGCGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGGTAAGTGAGTTGTGAAAGTTTGGGGCTCAACCGGAAAATTGAAGTTGATACTGGATATCTTGAGTGCAGTGGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGATAAGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU11708;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9762),o:"Bacteroidales"(0.9497),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATACAGGAATAAAGTCGGGTATGGATACCCGTTTGCATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGATGTTTAAGTCAGTTGTAAAAGTTTTCGGCTCAACCGTAAACGTGCAGTTGTTACTGGATATCTTGATGTCAGTGGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACACCGATTGCGAAGGCAGCCCGCTGAGCTGCAACTGACATTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU11710;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8755),o:"Bacteroidales"(0.7252),f:Bacteroidaceae(0.3204),g:Bacteroides(0.0904);
CCTTTCTTCCTCCTTTCGGCCTCCTTTTCCCTGGGCGCGCGTCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGCTATGGATACCCGTTTGTATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGTTGTTTAAGTTAGTTGTGAAAGTTTACGGCTCAACCGTAAAATTGCAGTTGATACTGTCAGTCTTGAGTACAGTAGAGGTAGGCTGAATGCATGGTGTAGCGGTGAAATGCTTATATATCACAAAGAACTCCGATTGCGAAGGCAGCTCACTAGACTACAGCTGACCCTGATGCTCGAAAGTGTGGGTATCAAACAGGTTTAGATACCCTTGTA

>OTU11712;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9711),o:"Bacteroidales"(0.8737),f:Bacteroidaceae(0.5273),g:Bacteroides(0.3479);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCAAAGTCGCGTGAATGATGACGGCCCTATGGGTTGTAAACTCTTTTTATAAAGGAATAAAGTCGGGTATGGATAGCCGTTTGCATGTACTTTATGAATAAGGATCGCCCAACTCCGCGCCAGCAGCCGCGGTAATACGGAGGATCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGATGTTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCTTAAAATTGCAGTTGATGCTGTCAGTCTTGAGTACAGTAGAGGTGAGTGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU11714;tax=d:Bacteria(0.0024),p:"Deinococcus-Thermus"(0.0000),c:Deinococci(0.0000),o:Deinococcales(0.0000),f:Deinococcaceae(0.0000),g:Deinococcus(0.0000);
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>OTU11711;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9321),o:"Bacteroidales"(0.8412),f:"Porphyromonadaceae"(0.4563),g:Parabacteroides(0.1735);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGAGAGGCTGAACCAGCCAAGTCGCGTGAAGGATGAATGACCTACGGTTTGTAAACTTCTTTTATACGGGAATAAAGTGAGCGACGCGTCGTGCTTTGTATGTACCGTATGAATAAGCATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGTGGTCCTTTAAGTCAGCGGTGAAAGTTCGTGGCTCAACCATGAACTTGCGATGGAAACTGGGAGACTTGAGTATGTGTGAGGTAGGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTGGCCGAGCCATAACTGACACTGAAGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU11713;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Bacilli(0.9740),o:Lactobacillales(0.8737),f:Lactobacillaceae(0.7068),g:Lactobacillus(0.3043);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAACCTCTGTTGTGGGAGAAGAAGGAGCGTGAGAGTAACTGTTCATGCACTGACGGTATCCAACCAGCAAGACCCGGCTAACTACGTGCCAGCAGCCGGGGTAACACGTTGGTGGGAAGCGTTATCCGGATTTATTGGGCGTAAAGTGAGCGCAGGCGGTTGCTTAGGTCTGATGTGAAAGCCTTCGGCTTAACCGAGGAAGTGCATCGGAAACCGTGCAACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGAAATGCGTAGAGATATGGAGGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTAGTA

>OTU11715;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Bacilli(0.9711),o:Lactobacillales(0.8629),f:Lactobacillaceae(0.5991),g:Lactobacillus(0.2607);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGGAAAGCTCTGTTGTTGGGGAAGAAAGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCAGAAAGTCACGGTCAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCATACGCTATCCGGATTTATTGGGCGTAAAGGGAGCGCAGGCGGTTGGTTAGGCGTGATGTGAAAGGCTGCGGCTTAACCGAAGAAGTGCGTCGGAAACTGGGCGACTTGAGTGAAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCGGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU11716;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lachnospiraceae(0.2864),g:Blautia(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGCGAAACCCTGATGTAGCGACGCCGCGTGAGGGAAGAAGGATCTCGGTATGTAAACCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGGAAGGCAAGTCAGATGTGAAAACCCGGGGCTCAACCCCTGGAGTGCATTGGAAACTGTTTGTCTTGAGTGCCGGAGGGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU11717;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9762),o:"Bacteroidales"(0.9497),f:"Prevotellaceae"(0.8864),g:Prevotella(0.7643);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGAAGTCAGAACAAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGCCGTAAACTGATTTTTTAGGGGAATAAAGCTAGTCACGTGTGGTTATTTGCATGTACCCTACGAATAAGGACCGGTTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGTCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGTTTGGTAAGCGTGTTGTGGAATGTCCGGGCTCAACCTGGGCACGGCAGCGCGAGCTACCAGACTTGAGTGCACAGGAAGCAGGCGGAATTCGTGGTGTAGCAGTGAAATGCTTAGTTATCACGAAGAACTCCAATTGCGAAGGCAGCTCTCTGTAGTGTTACTGACGCTAATGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU11719;tax=d:Bacteria(0.0041),p:"Acidobacteria"(0.0000),c:Acidobacteria_Gp6(0.0000),g:Gp6(0.0000);
GCCCAATCTGACCAGCACGGACGCCACGATGGGAACGGTCCTGCGGCCTACGCTCGGCGCCCGTTTGAATATTAGACATAATTTATCCTCAAGTAAGGGGCCGAAGCCCCTGCAATTAAAATTGTTGACCACCTACATACCAAAGACGAGCGCCTTTACGCTTGCCTTTAGTACCTCGCAACGGCTGCGGACGACCAGGGCGAGCGCCAGAACGTGTTTTACCTTTAGACATTACATCACTCCTTCTGCACGTAATTTTTGACGCACGTTGTCTTCTGCGTCAGTAAGAACGTCAGTGTTTACTGCGCGTACACGCAAGGTAAACGCGAACAATTCAGCGGCTTGAACCGGAC
>OTU11718;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8448),c:"Bacteroidia"(0.4045),o:"Bacteroidales"(0.1719),f:"Prevotellaceae"(0.0457),g:Prevotella(0.0110);

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9685),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);
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>OTU11721;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9540),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.
5766),f:Bacteroidaceae(0.1872),g:Bacteroides(0.0519);
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>OTU11722;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9877),o:Lactobacillales(0.9280),f:Lactob
acillaceae(0.8505),g:Lactobacillus(0.4351);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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GTA
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8412),f:Bacteroidaceae(0.4563),g:Bacteroides(0.2607);

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AACTCTGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGG
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GAGGTGAGCGGAATTCGTGGTGTAGCGATGAAATACTTAGATATCACGAAGAACTCCCATTGCGAAGGCAGCTCACT
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>OTU11723;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8628),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.3959),f:Bacteroidaceae(0.2184),g:Bacteroides(0.0615);

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TCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGTG
CGTAGGTGGTCCATCAAGTCGGTGGTTAAAGGCTACGGCTCAACCGTAGTAAGCCTTTGAAACTGGGAAACTTGAGT
GCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGC
GGCTTGCTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU11724;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9769),o:Clostridiales(0.9606),f:Clostridiaceae_1(0.5991),g:Clostridium_sensu_stricto(0.4351);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
TTTCGGATCGTAAAGCTCTGTCTTTGGGGAAGATGATGGCGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCA
GCAGCCGCGGGAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGTTGACTAA
GTGGGATGTGAAATACCGGGGCTCAACTTGGGTGCTGCATCGCAAACTGCATATCTAGAGTGTAGGAGGGGAGAGT
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGAGGCGAAGGCGACTCTCTGGACTGTA
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>OTU11727;tax=d:Bacteria(0.0041),p:"Deinococcus-Thermus"(0.0000),c:Deinococci(0.0000),o:Thermales(0.0000),f:Thermaceae(0.0000),g:Meiothermus(0.0000);

GGGATTGTTTGCGAGCGCTGTGGTGTGGAGGTGACCGAGAGCCGCGTGCGTCGTCACCGCATGGGCTTCATCAAGC
TCGCGGCCCCCGTGTCCCACGTCTGGTACCTCAAGGGCATCCCCAGCTATGTGGCCATCCTGCTGGACATGCCCCTGC
GGGACGTTGAGCAGATCGTTTATTTCAACTGCTATGTGGTGCTGGATCCCGGTGACCACAAGGACCTGAAATACAAG
CAGCTTCTCACCGAAGATGAGTGGCTGGAAATCGAAGATGAGATCTACGCCGAAGATTCAGAGATTGAAAATGAGCC
CGTTGAGGGCATCGGCGCCGAGGCTCTCAGGCAGTTGCTTGAAGATCTCACCCTCGACGAGGTGGCCGAGCAGCTG
CGCGAGGAGATCGGCGGCAGCAAGGGGCAGAAGCGGGCGAAGCTGATCAAGCGCCTGCG

>OTU11726;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9726),o:"Bacteroidales"(0.8955),f:Bacteroidaceae(0.6350),g:Bacteroides(0.4787);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCCGAACCAGCCCAGTAGCGTGAAGGATGACTGC
CCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGGATAACCGTTTGAATGTACTTTATGAATAAGG
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCAGAGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTATATTGATGTTTAAGTCAGTTTTGAAAGTTTGCGGATCAACCGTAAAATTGCATTTGATACTGGAAATCTTGAG
GGCAGTGGAGGCAGGCGGAATTCGTGGTGTAGCGGTAAAATGCTAAGATATCACGAAGAACTCCGATTGCGAAGGC
AGCCTGCTAAGCTGCAACTGACATGGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU11728;tax=d:Bacteria(0.0024),p:"Proteobacteria"(0.0000),c:Betaproteobacteria(0.0000),o:Burkholder
iales(0.0000),f:Burkholderiaceae(0.0000),g:Pandoraea(0.0000);
CGTGTGACTCATTAGCCTTGCGACCCTCGGCAGCAAGAACCATTCGACCAATATCACGCCACTAGTCACGCAAAGCCT
TGGGATTCTCATAACACGCCTCTAATCGGTCGTCAGCCAACGTGAGAGTGTCAAAAACGATAAACCAACCATCAGCAT
GAGCCTGTCGCATTGCATTCATCAAACGCTGAATAGCAAAGCCTCTACGCGATTTCATAGTGGAGGCCTCCAGCAATC
TTGAACACTCATCCTTAATACCTTTCTTGTTGGGGTAAGTATACTCATCGCGAATATCCTTAAGAGGGCTTGCAGCAGC
CAGCGTGCGGCAAAACGGCGTAACCGTCGTCTCGTT
>OTU11730;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9805),o:"Bacteroidales"(0.
9775),f:Bacteroidaceae(0.8505),g:Bacteroides(0.7643);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGGGCCCGAACCAGCCAAGTAGCGTGAAGGATGACTGC
CCTATGGGTTGTAAACTTCTTTTATATAGGAATAAAGTCGTGTATGTATACGCGTTTGTATGTACTTTATGAATAAGGA
TCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
TGTAGATGGATGTTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGATGTCTTGAGT
GCAGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCA
GCCTGCTAGGCTGTCACTGACATTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU11731;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9994),c:Gammaproteobacteria(0.9769),o:"Entero
bacteriales"(0.8520),f:Enterobacteriaceae(0.7068),g:Escherichia/Shigella(0.3479);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCCGATGCAGCCATGCCGCGTGTATGAAGAAGGG
CTTCGGGTTGTAAAGTACTTTCATCTGGGAGGAAGGAAGTAAAGTTAATACCTTTGCTCATCGACGTTACCCGCAGAA
GAAGCACCGGCTAACTCCGTACCAGCAGCCGCGTTAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTA
AAGCGCACGCAGGCGGTTTGTTAAGTCAGATGTGAAAGCCCCGGGTTCAAGCTGGGAACTGCATCGGATACTGGCA
AGCTTGAGTCTCGGAGAGGGGAGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGT
GGCGAAGGCGGCCCCCTGGACGAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCT
GGTA
>OTU11729;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.8628),c:Gammaproteobacteria(0.6730),o:"Entero
bacteriales"(0.3319),f:Enterobacteriaceae(0.1679),g:Escherichia/Shigella(0.0230);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
CTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTGCTCATTGACGTTACCCGCAGA
AGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGATTGGGCGT
ATAGGGCGTGTAGGCGGCTTTATAAGTCTGGAGTGAAAGTCCTGTTTTCAAGATGGGAATTGCTTTGGATACTGTGG
GGCTTGAGTGCAGGAGAGGTTATCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGT
GGCGAAGGCGGCCTGCTGGGCTTTAACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTG
GTA

>OTU11732;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Eubacteriaceae(0.3544),g:Eubacterium(0.1299);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
CTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTAGCAA
GTTGGAAGTGAAATACCCAGGGCTTAACTCGGGTGCTGCTTTCAAAACTACTAGACTTGAGTGTGGGAGAGAATAGT
GGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGCTTCTCTGGACTGTA
ACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU11734;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9887),o:Lactobacillales(0.9938),f:Lactobacillaceae(0.9015),g:Lactobacillus(0.4787);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCCGATGGAGCAACACCGCGTGAGTGAAGAAGGG
TTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTCACGCATTGACGGTATCCAACCA
GAAAGTCACGGCTAACTACGTGCCCGCAGCCTCTGTAATACTTAGGTGGCAAGCGCTATCCGGATTTATTGGGCGTA
AAGCGAGCGCAGGCGGTTGATTAGGTCTGATGTGAAAGCCTTAGGCTTAACCGAAGAAGTGCATCGGAAACCGGGA
AACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGAGGTGGAATGCGTAGATATATGGAAGAACACCAGTG
GCGAAGGCGGCTGTCTGGCCTGAAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGG
TA

>OTU11733;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Erysipelotrichia(0.8331),o:Erysipelotrichales(0.6138),f:Erysipelotrichaceae(0.4224),g:Erysipelotrichaceae_incertae_sedis(0.2171);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
CTTCGGATCGTAAACTTCTATCCTTGGTGAAAATGATGATGGTAGCCAAGAAGGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGATTGGGCGTAAAGGGTGCGTAGGCGGTACGGTA
AGTCTGTAGTAAAAGGCGGCAGCTCAACTGTCGTAGGCTATGGAAACTGTCGAACTAGAGTGCAGAAGAGGGCGAT
GGAACTCCATGTGTAGCGGTAAAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGTCGCCTGGTCTGTA
ACTGACGCTGAAGCACGAAAGCGTGGGGAGCAAAGAGGATTAGATACCCTGGTA

>OTU11735;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Bacilli(0.9733),o:Lactobacillales(0.8629),f:Lactobacillaceae(0.6350),g:Lactobacillus(0.2171);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGCTCACGCAGTGACGGGATCCAACCAGAAAGTCCCGGCTAACTACGTGCCAGCACCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTGGCTTAGGTCTTATGTGAAAGCCTTCGGCTCAACCGGATCATTGCATTGGAAACTGTTGACCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCCAAGTCGGCTCTCTTGTCTGCATCTGACGCTGAGGCTCGAAAGCATGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU11736;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Peptostreptococcaceae(0.3204),g:Clostridium_XI(0.0904);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAAGAGGAAGCCCCGGCTAACTACGTGCCAGAAGCCGCGGTAATACGTAGGGAGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGAGGTGAAAGGCTACGGGTAAACCGTAGTAAGCCTTTGAAACTGGGAAACTTGAGTGCAGGAGAGGAGGGTGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATTAGGAGGAACTCCAGTTGCGAAGGCGGCCCTCTGAACTGTGACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU11737;tax=d:Bacteria(0.0014),p:"Proteobacteria"(0.0000),c:Betaproteobacteria(0.0000),o:Burkholderiales(0.0000),f:Burkholderiales_incertae_sedis(0.0000),g:Leptothrix(0.0000);
AAAGCTGTTGCCGATACTTGGCACACTTTCTGGAAAGACGGTACAGCTGATGGTATTGGCTCTAATTTGTCTAGGACCTCACCGTCAGGATTGACACCCTCCCAATTGTATGTTTTCATGCCTCCAAATCTTGGAGGCTTTTTTATGGTTCGTTCTTATTACCCTTCTGAATGTCACGCTGATTATTTTGACTTTGAGCGTATCGAGGCTCTTAAACCTGCTATTGAGGCTTGTGGCATTTCTACTCTTTCTCAATCCCCAATGCTTGGCTTCCATAAGCAGATGGATAACCGCATCAAGCGCTTGGAAGAGAGTCGGTCTTTTCGTATGCAGGGCGTGGAGTTCGATAATGGTGAGAGGTATGGGGACGGCCATAAGGCGGCTTCTG
>OTU11738;tax=d:Bacteria(1.0000),p:Firmicutes(0.9994),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Lachnospiraceae(0.7787),g:Clostridium_XlVa(0.6200);
ACGGGAGGCAGCAGTGGGGAATATTGGTCAATGGGCGAAAGCCTGATCCAGCGACGCCGCGTGAATGAAGAAGTATTTCGGTATGTTAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTCAGAAGCCACGTCTCACTACGTTCCAGCCGCCGCGATACTACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTTTAGCAAGTCTGAAGTGAAAGGCCGGGGCTCAACCCCGGTACTGCGTTGGAAACTGTTAGACTTGAGTGCAGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCTTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU11739;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Clostridiaceae_1(0.4563),g:Clostridium_sensu_stricto(0.1299);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGCAACCCTGATGCAGCGACGCCGCGTGCAGGAAGAAGTC
CTTCGGTTTGTAAAGCTCTATCTTCAGGGACGATAATGACGGTACCTGAGTAGGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGAATTTTAA
GTGAGATGTGAAAAACCCGGGCTGAACTTGGGGGCTGCATTTCAAACTGGAAGACTAGAGTGCAGGAGAGGAGAAT
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACATCAGTGGCGAAGGCGATTCTCTGGACTGTA
ACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU11741;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Clostridiaceae_1(0.1872),g:Clostridium_sensu_stricto(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGATGGG
TTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGCGTAACTGTTCACGCAGTGACGGTATCCTACCA
GCAAGTCACGGCTAACTACGTGCCCGCAGCCGCGGTAATACGAAGGTGCCGAGCGTTATCCGGATTTACTGGGCGTA
AAGGGAGCGTAGGCGGATGATTAAGTGGGATGTGAAATACCCGGGCTCAACATTGGTGCTGCATTTCAAACTGATTA
TCTAGAGTGCGGGAGAGGAGAGAGGAATTCCTAGTGTAGCGGTGAAATGCGTAAATATTAGGAGGAACACCAGTG
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TA

>OTU11740;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9769),o:"Enterobacteriales"(0.8737),f:Enterobacteriaceae(0.7787),g:Escherichia/Shigella(0.3479);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGACTAATGCAGCCATGCCGCGGGTATGAAGAAGGC
CTTCGGGTTGTAAAGTACTATCAGCGGGGAGGAAGGGAGTAAAGTTAATAACTTTGCTCATTGACGTGACCCGCAGA
AGAAGCACCGGCTAACTCCGTGCCAGAAGCCGCGGTAATACGGAGGGGGCAAGCGTAAATCTGAATTACTGGGCGT
AAAGCGCACGCAGGCGGTTTGTTAAGTCAGATGTTAAATCCCCGGGCTCAACCTGGGAACTGCATCTGATACTGGCA
AGCTTGAGTCTCGTAGAGGGGGGTAGAAGTCCAGGTGTAGCGGTGAAATGCGTATAGATCTGGAGGAATACCGGTG
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GTA

>OTU11743;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9820),o:"Bacteroidales"(0.9821),f:Bacteroidaceae(0.9387),g:Bacteroides(0.9705);

ACGGAAGGCAGCAGGGAGGAATATTGGTCAATGGGCGCTAGAGTGAACCAGCCAAGTAGCGTGAAGGATGAAGGC
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TCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGTAGGTGGACTGGTAAGTCAGTCGTGAAAGTTTGCGACTCAACCGTAAAATTGCAGTTGATACTGTCAGTCTTGAGT
ACAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCA
GCTCACTGGACTGCCCCTACCACTCATGCTCCCGAGTGTCGGTATCAAACAGGATTAGATACCCTGGTA

>OTU11745;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Eubacteriaceae(0.4914),g:Eubacterium(0.3043);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGGGAGGCCCTGATGCAGCGATGCCGCGTGAAGGATGAAGTATTTCGGTATGTAAACTTCTATCAGTAGGGAAGAAAATGACGGTACCCGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGAGTAAGTCTGATGTGAAAACCCGGGGCTCAACCCCGGAACTGCATTGAAAACTATGAAGCTAGAGAGTCAAAGAGGTAAGAGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATGACTGACGTTGAGGCTCGAAGGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU11744;tax=d:Bacteria(0.9073),p:"Bacteroidetes"(0.2586),c:Sphingobacteriia(0.0425),o:"Sphingobacteriales"(0.0291),f:Sphingobacteriaceae(0.0073),g:Solitalea(0.0039);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCCTATGGGCTGTGAACCGCTTTTGCCGGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACCAGGGGAATAAGAAACGGCTAACTACGTGCCAGCAGCCGCGGTAAGAAGGGGGGTGCGAGCGTGATCCGGATTCATTGGGTTTAAAGGGTGCGGAGGCTGTGCGTCAAGTCAGGATTGAAATTCCGGGGCTCAACTCCGGGGCTGCCCTTGATACTGTCGCGCTTGAGTGCGGATGCCGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACTCAGAACACCGATCGCGAAGGCATCTGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA
>OTU11742;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Erysipelotrichia(0.2902),o:Erysipelotrichales(0.1249),f:Erysipelotrichaceae(0.0457),g:Turicibacter(0.0110);
CCTTCCTTCCTCCTTCTTTCCTCTTCTTCCCTTTTCTCCCGCCTGCCCGCTCCACGCCGCGTGAATGATGAAGGCCTTCGGGTTGTAAAATTCTGTTCTAAGGGAAGAATGGCTCTAGTAGGAAATGGCTAGAGTGTGACGGTACCTTATGAGACAGCCACGGCTCCCTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACCGGGTGTAAAGGGCGCGTAGGCGGGATGGCAAGTCAGATGTGAAATCCATGGGCTCAACCCATGAACTGCATGGGAAACTGTCGTTCTTGAGTATCGGAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU11746;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Ruminococcaceae(0.1872),g:Clostridium_III(0.0326);
ACGGGAGGAAGAAGGGGGGAATATTGCACAATGGGGGAAGCCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGCCTTCGGGTTGTAAACTTCTTTTACCAGTGACGAAGGACGTGACGGTACCTGGAGAAAAAGCAACGGCTAACTACGTGCCAGCAGCCGCGGTAATGCGTAGGTTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGATGCAAGTCAGGAGTGAAATCCCGGGGCTCAACCCCGGAACTGCTTTTGAAACTGTATCCCTTGAGTGTCGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGATAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU11748;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:"Bacteroidia"(0.5579),o:"Bacteroidales"(0.2999),f:Bacteroidaceae(0.1485),g:Bacteroides(0.0326);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTATGTATACTGTTTTGTATGTATTATATGAATAAGGATCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTATCCGGATTTATTGGGTGTAAAGGGTGCGTAGACGGGATAGTAAGTTAGTTGTTAAATCCCTAGGCTTAACTGAGGAACTGCAACTAAAACTGTTATTCTTGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCGGCTCTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU11747;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9776),o:"Bacteroidales"(0.9685),f:"Porphyromonadaceae"(0.9294),g:Butyricimonas(0.8605);

ACGGGAGGCAGCAGTGAGGGATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAATGCTCTATGGGCCGCAAACCTCTTTTGTCAAGGAAGAATAAGGCTGACGAGTCATTCCATGCCGGTACTTGACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGCGCGTAGGCGGGACGTCAAGCCAGCGGTAAAAGAGTGCAGCTAAACTGTAGCACGCCGTTGAAACTGGCGGCCTGGAGTGGAGACGAGGGATGCGGAACAAGTGAAGTAGCGGTGAAATGCATAGATATCACGTGGAACCCCGATAGCGAAGGCAGCTTCCCAGGCTCGTACTGACGCTGATGCGCGAGAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU11750;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9769),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.6138),f:"Prevotellaceae"(0.3544),g:Prevotella(0.1299);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGAAGGTCCTATGGGTTGTAAACTGCTTTTATAGGGGGACAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATAAGGATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCCGTTTTATAAGCCAGTGGTGAAATGTAAGGGCTCAACCTGTGCATTGCAGTGGAAACTGTGAGACTTGAATGCGGAGGCTGTGGGAGGAATGTGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTACTGTACCGTGACTGACGCTGAGGCACGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU11749;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Clostridiaceae_1(0.1679),g:Clostridium_sensu_stricto(0.0230);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTCATTGGGTTTAAAGGGAGCGTAGGCCGGAGATTAAGCGTGTTGTGAAATGTAGATGCTCAACATCTGCACTGCAGCGCGAACTGGTTTCCTTGAGTACGCACAAAGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTCTAACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU11751;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.9038),o:Clostridiales(0.7623),f:Peptostreptococcaceae(0.2524),g:Clostridium_XI(0.0712);
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>OTU11752;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Ruminococcaceae(0.0904),g:Clostridium_III(0.0181);
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anaerovirga(0.0904);
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ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGGGAAACCCTGACCCAGCGACGCCGCGTGAAGGATGAAGGATTTCGGTATGTAAACCTCTATCTTCGGGGAAGAAAATGACGGTACCTGAGTAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAAAACGTAGGGGGCAAGTGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCTTAGCAAGCCAGATGTGAAAGCTCGGGGCTCAACCCCGGAACTGCGTTTGGAACTGTAGTGCTAGAGTGGCGGAGAGGCAAGTGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGATGACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU11778;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:Sphingobacteriia(0.1159),o:"Sphingobacteriales"(0.0547),f:Sphingobacteriaceae(0.0149),g:Solitalea(0.0066);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAGGGAAGGAGGCCCTATGGGCTGTGAACCGCTTTTGCCGGGGGGAAATAAGGGGGTCGCGCACGGCCGATGAGAGTACCAGGGGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATAGGGGGGATGGGAGCGTTATCCGGATTGAGTGGGTTTAAAGGGTGCGTAGGCTGTGCGTCAAGTCAGGGGTGAAATTCCCGGGCTCAACTTCGGGGCTGCCCTTCATACTGTAGCGCTGGAGTGCGGATGCCGACGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACTCAGAACACCGATTGCGAAGGCATTTGGCTAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA
>OTU11783;tax=d:Bacteria(0.0076),p:"Aquificae"(0.0000),c:Aquificae(0.0000),o:Aquificales(0.0000),f:Aquificaceae(0.0000),g:Hydrogenivirga(0.0000);
GGCTTACTTTGCCTCAACGCGGGGAAACTTATCAGGTCCAGACATAGTAAGGATTGACAGACTGAGAGCTCTTTCTTGATTCTATGGGTGGTGGTGCATGGCCGTTCTTAGTTGGTGGAGCGATTTGTCTGGTTAATTCCGTTAACGAACGAGACCTCAGCCTGCTAACTAGCTATGTGGAGGTATCCCTCCACGGCCAGCTTCTTAGAGGGATTATGGCCTGTTAGGCCACGGAAGTTTGAGGCAATAACAGGTCTGGGATGCCC
>OTU11781;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Ruminococcaceae(0.1872),g:Ruminococcus(0.0423);
ACGGGAGGCAGCAGTGGGAGATATTGCGCTAAGGGGGCAACCCTAACGCAGCGACGCCGCGTGAACGATCAAGGTCTTCGGATTGTAACGTTCTTTTATTAAGGACGAAGAAGTGACGGTACTTAATGAATAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAACCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCAGAGCGAGTCAGATGTGAAATCCGTGGGCTTAAACCACGAACTGCATTTGAAACTGTTTTGCTTGAGTGAAGTAGAGGCAGGCGGAATTCCCTGTGTAGCGGTGAAATGCGTAGAGTTAGTGAGGAACACCCGTCGCGCACGCAGCCCGCCGCGCTTTCCCTGCCCGTCGCTCATGAGAGCTTGGGGAGCCAGCAGGATTAGATACCCTGGTA
>OTU11782;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Ruminococcaceae(0.1291),g:Ruminococcus(0.0230);

ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGT
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AGTCAGGGGTGAAAGGCCCGGGCTCAACCCGGAAAGTGCCGTTGATACTGTGAGGCTGGAATGCGGATGCTGTGG
GAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATGACGCAGAACTCCGATTGCGAAGGCAGCTTGCCAGCGCG
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>OTU11784;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Clostridia(0.9805),o:Clostridiales(0.9775),f:Lachnospiraceae(0.8864),g:Blautia(0.6200);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTA
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>OTU11786;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9604),o:"Bacteroidales"(0.8629),f:"Prevotellaceae"(0.5991),g:Prevotella(0.3043);
ACGGGAGGTAGCAGTGAGGAATATTGGTCAATGGTCGAGAGACTGAACCAGCCAAGTAGCGTGCAGGAAGACGGC
CCTATGGGTTGTAAACTGCTTTTGTACGGGAATAAAGTGACCTACGTGTAGGTTTTTGCATGTACCGTAAGAATAAGG
ACCGGCTAATTCCGTGCCAGCAGCCGCGCTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCCGTCGTTTAAGCGTGTTGTGAAATGTAGGCGCCCAACGTCTGCACTGCAGCGCGAACTGGATGACTTGA
GTACGCACGAGGCTGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGG
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>OTU11785;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9572),c:"Bacteroidia"(0.8048),o:"Bacteroidales"(0.5395),f:Bacteroidaceae(0.2864),g:Bacteroides(0.0808);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATGCCGCGTGAAGGACTAAGGCC
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>OTU11787;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Ruminococcaceae(0.4563),g:Ruminococcus(0.1735);

ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGC
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GCAGCCGCTGTTATACGTAGGGAGCAAGTGATGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCAGAGCAA
GTCAGATGTGAAATCCGTGGGCTTAACCCACGAACTGCATTTGAAACTGTGTTGCTTGAGTGAAGTAGAGGCAGGCG
GAATTCCCAGTGTAGCGGTGAAATGCGTAGATATAGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTAA
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>OTU11789;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Rumi
nococcaceae(0.4224),g:Ruminococcus(0.1299);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCCGACGCAGCAACGCCGCGTGAACGATGACGGT
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AGCAGCCGCGATAATACTTAGGGAGCAAGCTTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGTAGAGCA
AGTCAGATGTGAAATCCGTGGGCTTAACCAACGAACTGCATTTGAAACTGGGTTGCTTGAGTGAAGGAGAGGAAGG
AGGAATTCCCTGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGTCTGCTGGGCTTT
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0413),f:"Porphyromonadaceae"(0.0099),g:Barnesiella(0.0046);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCCGAACCAGCCATGCCGCGTGAAGGACTAAGGC
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0000),f:Bacteroidaceae(0.0000),g:Bacteroides(0.0000);
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>OTU11788;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Rumi
nococcaceae(0.2184),g:Ruminococcus(0.0326);
ACGGAAGGCAGCAGTGGGGGATATTGGGCAATGGGGGAAACCCTGAAGCAGCAACGCCGCGTGAACGATGACGGT
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AGCAGCTGCTGTCATACGTACGGCGCCAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCAGAGCA
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GGAATTCCCTGTGTAGCGGTGAAATGCTTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGTCTTTA
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>OTU11791;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Rumi
nococcaceae(0.4224),g:Ruminococcus(0.1735);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCCGACGCAGCAATGCCGCGCGAACGATGAAGGT
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9280),f:"Prevotellaceae"(0.8146),g:Prevotella(0.4351);
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8737),f:"Prevotellaceae"(0.6709),g:Prevotella(0.2607);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGGCGGC
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nospiraceae(0.0355),g:Dorea(0.0087);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAAGAAACTCTGATGCAGCGACGCCGCGTGAAGGATGAAGTA
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8303),f:"Porphyromonadaceae"(0.4224),g:Parabacteroides(0.1299);
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nospiraceae(0.1872),g:Blautia(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGACGGT
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>OTU11797;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Lach
nospiraceae(0.0710),g:Coprococcus(0.0157);
ATGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGACGGT
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nospiraceae(0.1679),g:Coprococcus(0.0326);
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nococcaceae(0.2524),g:Clostridium_IV(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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0000),f:"Porphyromonadaceae"(0.0000),g:Parabacteroides(0.0000);
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nospiraceae(0.3544),g:Clostridium_XlVa(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGAAGAAGTA
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riales"(0.1015),f:Sphingobacteriaceae(0.0355),g:Olivibacter(0.0087);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCAGGATGACGGC
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>OTU11804;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Lachnospiraceae(0.1485),g:Coprococcus(0.0157);

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nospiraceae(0.1291),g:Clostridium_XlVa(0.0204);
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ridiaceae_1(0.1679),g:Clostridium_sensu_stricto(0.0423);
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acillaceae(0.7068),g:Lactobacillus(0.4787);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGACGGG
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CTTGAGTGCAGACGAGGACAGTGGAATTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGC
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eriales(0.0000),f:Methanobacteriaceae(0.0000),g:Methanosphaera(0.0000);
ATTACCATTTCAACTACTCCGGTTATCGCTGGCGACTCCTTCGAGATGGACGCCGTTGGCGCTCTCCGTCTTTCTCCATT
GCGTCGTGGACTTGCTATTGACTCTACTGTAGACATTTTTACTTTTTATTTCGCTCATCGTCTATTTTATGGTGAACACT
GGCTTCATTTCATGAAGGATGGTGTTAATGCCACTCCTCTCCCGACTGTTAACACTACTGGTTATATTGACCATGCCTC
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acillaceae(0.4914),g:Lactobacillus(0.2171);
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ridiaceae_1(0.2184),g:Clostridium_sensu_stricto(0.0615);
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>OTU11839;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9882),o:Lactobacillales(0.9497),f:Lactob
acillaceae(0.8146),g:Lactobacillus(0.5720);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCCACACCGCGTGCGTGAAGACGGG
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bacteriales"(0.8520),f:Enterobacteriaceae(0.7068),g:Escherichia/Shigella(0.2607);
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CTTCGGGTTGTAAAGTACTTTCATGGGGAAGGAAGGGCGTGAAGTTAATACCTTTACTCATTGACGTTACCCGCAGG
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AAAGCGCACGCAGGCGGTTTGTTAAGTCAGATGTGAAATCCCCGGGCTCAACCCAGGAACTGCATTTGATACTGGCA
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GGTA

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ridiaceae_1(0.0000),g:Caloramator(0.0000);

GGCTTACTTTGCCTCAACACGGGGACACTTACCAGGTCCAGACATAGTAAGGATTGACAGACTGAGAGCTCTTTCTTG
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>OTU11840;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9719),o:"Bacteroidales"(0.
8846),f:"Prevotellaceae"(0.3204),g:Prevotella(0.0904);

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GTAGGTGGGCGTTTAAGTCAGTGGGGAAAGTTTGGGGCTCAACCTGAAAATTGCAGTTGATACTGGGTGTCTTGAGT
GCAGTAGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCA
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>OTU11842;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Clost
ridiaceae_1(0.4563),g:Clostridium_sensu_stricto(0.2607);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATTGGGGAAACCCTGATGCAGCAACGCCGCTTTAGAGATGAGTGTT
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GGGATGTGAAATACCCGGGCTAAACGTGGGTGCTGCATTCCAAACTGGATATCTAGAGTGCAGGAGAGGAGAGTGG
AATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGACGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAACT
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>OTU11845;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Clostridia(0.9755),o:Clostridiales(0.9389),f:Clost
ridiaceae_1(0.5632),g:Clostridium_sensu_stricto(0.3915);

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CACCCCCGGTACTACGTAAGTGGCGGGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAAG
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9753),f:Bacteroidaceae(0.9201),g:Bacteroides(0.9566);
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ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGCAAGCCTGACGCAGCAACGCCGCGTGAAGGATGAAGG
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(0.8846),f:Actinomycetaceae(0.6709),g:Actinomyces(0.5239);
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8629),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0712);
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9685),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);
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9172),f:"Prevotellaceae"(0.4563),g:Prevotella(0.2607);
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8955),f:Bacteroidaceae(0.4563),g:Bacteroides(0.2607);
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iales(0.0000),f:Comamonadaceae(0.0000),g:Delftia(0.0000);
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>OTU11855;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9321),o:"Bacteroidales"(0.8412),f:Bacteroidaceae(0.2184),g:Bacteroides(0.0615);
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ridiales_Incertae_Sedis_XI(0.3204),g:Helcococcus(0.0904);
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9172),f:"Prevotellaceae"(0.6709),g:Prevotella(0.4351);
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2359),f:"Porphyromonadaceae"(0.0904),g:Parabacteroides(0.0087);

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GTACAGACGGGGCAGGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACCCCGATCGCGAAG
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nococcaceae(0.2184),g:Intestinimonas(0.0326);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
CCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACCAGGCGAATA
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TGAGTGATGGAGAGGCAGGCGGAATTCCCTGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCG
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>OTU11861;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9791),o:"Entero
bacteriales"(0.8955),f:Enterobacteriaceae(0.8505),g:Escherichia/Shigella(0.4787);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
CTTCGGGTTGTAAAGTACTCTCAGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTGCTCATTGACGTTACCCGCAGA
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9063),f:"Prevotellaceae"(0.7068),g:Prevotella(0.3479);
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CGTAGGCCGTCTGTTAAGCGTGATGTGAAATGTCGGGGCTCAACCGGGGAAATGCAGCGCGAACTGGGAGACTTGA
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acillaceae(0.8505),g:Lactobacillus(0.6200);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATAGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGTT
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>OTU11866;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9441),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.
4652),f:"Prevotellaceae"(0.1679),g:Alloprevotella(0.0204);

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GGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTGAAAGG
GAGCGTAGGCGGGCTATTAAGGCGGCTGTGAAATCCGGCGGCTCAACCGTCGTCGTGCAGTTGAGACTGGTGGCGT
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>OTU11868;tax=d:Bacteria(0.0058),p:"Bacteroidetes"(0.0000),c:Flavobacteriia(0.0000),o:"Flavobacteriales
"(0.0000),f:Flavobacteriaceae(0.0000),g:Myroides(0.0000);

GTGAATCATCGAATCTTTGAACGCACATTGCGCCCCTTGGTATTCCATGGGGCATGCCTGTTCGAGCGTCATTTGTACC
CTCAAGCTTTGCTTGGTGTTGGGCGTCTTTTGTCTCCAGTTCGCTGGAGACTCGCCTTAAAGTCATTGGCAGCCGGCCT
ACTGGTTTCGGAGCGCAGCACAAGTCGCGCTCTTCGCCAGCCAAGGTCAGCGTCCAGCAAGCCTTTTTTTCAACCTTT
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>OTU11867;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9348),c:"Bacteroidia"(0.7114),o:"Bacteroidales"(0.
4280),f:"Prevotellaceae"(0.1679),g:Alloprevotella(0.0204);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGCAGCGTGAAGGATGACGGC
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GGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGCTTTAGTGGGTTTAAAGG
GAGCGTAGGCGGGCTATTAAGTCGGCTGTGAAATCCGGGGGCTCAACCGGCGGGCTGCAGTTGATACTGGTGGCCT
TGAGTGCGCGCAGGGGGGTTGGAATTCATGGTGTAGCGGTGAAATGCTCAGATATCATGAAGAACTCCGATCGCGA
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>OTU11865;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Rumi
nococcaceae(0.1679),g:Faecalibacterium(0.0423);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGAAGAAGGT
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CAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGAAGACAA
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GGAATTCCCGGTGTAGCGGTGGAATGCGTAGATATCAGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGGCAGC
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>OTU11870;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9820),o:"Bacteroidales"(0.
9821),f:"Prevotellaceae"(0.9666),g:Prevotella(0.8124);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCCGTCTGGTAAGCGTGTTGTGAAATGTACCGGCGCAACCGGTGATGTGCAGCGCGAACTGTCGACTTG
AGTGCGCGCAACGCAGGCGGAATTTGTGGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAG
GCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU11869;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Lach
nospiraceae(0.4224),g:Clostridium_XlVa(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGAAAACCCTTATGCAGCGACTCCGCGTGAGTGAAGCAGTAT
TTCGGTATGTCAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAG
CAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGATGCAAG
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GGAATTCCTAGTGAAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACAGTA
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>OTU11872;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.
9389),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCAAAGTAGCGTGAAGGATGAAGGC
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GTACAGGAGAGGTGGGCGGAATTCGTAGTGTAGCGGTGAAATGCGTAGATACTACGAAGAACTCCGATTGCGAAGG
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>OTU11871;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Bacilli(0.4428),o:Lactobacillales(0.2039),f:Lactob
acillaceae(0.0904),g:Lactobacillus(0.0157);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGCAGCAACACCGCGTGAGTGAAGAAGGG
TTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTTCGTGATAGTAACTGTTCACGCAGTGACGGTATCCAACCCG
ACAGTCGCGGCTAACTACGTGCCAGCAGCGGCGTTACGACGTACGTGGCAAGCGTTATCCGGATTTATTGGGCGTAA

AGGGCGTGCAGCCGGGGCTGCAAGTCAGATGTGAAATCCATGGGCTCAACCCATGAACTGCATTTGAAACTGGGGA
TCTTGAGTGTCGGAGGGGCAAGCGGAATTCCTAGTGTAGCGGTTAAATGCGTAGATATTAGGAGGAACACCAGTGG
CGAAGGCGGATTGCTGGACGATAACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGG
TA

>OTU11873;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Bacilli(0.9798),o:Lactobacillales(0.8303),f:Lactob
acillaceae(0.5273),g:Lactobacillus(0.1735);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGCGTGAAGAAGGC
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GACTTGAGTGAAGAAGAGGAGAGAGGAATGCGAAGTGTAGCGGTGGAATGCGTAGAGATAAGGAAGAACACCAGT
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GGTA

>OTU11875;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9769),c:"Bacteroidia"(0.8755),o:"Bacteroidales"(0.
7252),f:Bacteroidaceae(0.3544),g:Bacteroides(0.1299);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAGTGGACGCGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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GTGCAGTTGAGGCGGGCGGAATGCGTAGTGTAGCGGTGAAATGCTTAGATATCACGCAGATCGCCGATTGCGAAGG
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>OTU11874;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9441),c:Gammaproteobacteria(0.8189),o:Aeromo
nadales(0.4280),f:Succinivibrionaceae(0.2524),g:Anaerobiospirillum(0.0712);

ACGGAAGGCAGCAGTAGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCCATGCCGCGTGTGTGAAGAAGGC
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CAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATAACTGGGCGTAAAGGGCATGTAGCCGGGAGGG
CAAGTCAGATGTGAAATCCACGGGCTCAACTCGTGAACTGCATTTGAAACTACTCTTCTTGAGTATCGGAGAGGCAAT
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>OTU11876;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Rumi
nococcaceae(0.5273),g:Clostridium_IV(0.0519);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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CGGAATTCCTAGTGTTGCGGTTAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGTCTTCTGGACAGCA
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8737),f:"Porphyromonadaceae"(0.5632),g:Parabacteroides(0.2607);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTAAGCCTGAACCAGCCAAGTCGCGTGAAGGATGAAGGC
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>OTU11879;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9726),o:"Bacteroidales"(0.
8955),f:"Prevotellaceae"(0.7068),g:Prevotella(0.2607);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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3639),f:"Porphyromonadaceae"(0.1291),g:Parabacteroides(0.0181);
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>OTU11880;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Lach
nospiraceae(0.5632),g:Clostridium_XlVa(0.3043);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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AGTCTGAAGTGAAAACCCAGGGCTCAACCCGGGGAATGCTTTGGAAACGGGTTTGCTAGAGTGTCGAAGAGGTAGG
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nococcaceae(0.4563),g:Oscillibacter(0.0904);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGACGCAAGTCTGACCCAGCAAAGCCGCGTGAAGGAAGAAGGC
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249),f:Erysipelotrichaceae(0.0457),g:Turicibacter(0.0110);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
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GCGCAGGTGGTTGATTAAGTCTGATGTGAAAGCCCACGGCTTAACCGTGGAGGGTCATTGGAAACTGGTCGACTTGA
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8412),f:Bacteroidaceae(0.5273),g:Bacteroides(0.3479);
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(0.1483),f:Coriobacteriaceae(0.0560),g:Collinsella(0.0134);
ACGGAAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGAATGATGAAGGC
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bacteriales"(0.8520),f:Enterobacteriaceae(0.7068),g:Escherichia/Shigella(0.3043);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
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GTA

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nospiraceae(0.1485),g:Clostridium_XlVa(0.0326);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGT
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>OTU11887;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.3448),c:Alphaproteobacteria(0.1159),o:Rhizobial
es(0.0413),f:Methylocystaceae(0.0099),g:Terasakiella(0.0046);

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8846),f:Bacteroidaceae(0.6350),g:Bacteroides(0.4787);
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cteriaceae(0.2524),g:Eubacterium(0.0712);

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9942),f:Bacteroidaceae(0.6350),g:Bacteroides(0.4787);
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nococcaceae(0.3204),g:Gemmiger(0.0423);
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7623),f:"Prevotellaceae"(0.3204),g:Prevotella(0.0519);
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GGGAGCGGAATTCCCGGAGTAGCGGTGAAATGCGTAGATACCGGGAAGAACGCCAATGGCGAAGGCAGCTCCCTG
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9775),f:Bacteroidaceae(0.9201),g:Bacteroides(0.9566);
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ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCCGATGCAGCGACGCCGCGTGCGTGAAGACGTC
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>OTU11919;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.8755),o:"Bacteroidales"(0.7252),f:Bacteroidaceae(0.3204),g:Bacteroides(0.0904);
ACGGGAGGCAGCAGTGAGGAATATTGGCCAATGGGCGAGAGCCCGAACCAGCCAAGTAGCGTGAAGGAAGAAGGCCCTATGGGTTGTAAACTCTTTTTAAAAAGGAATAAAGCCGGGTATGTATACCGGATGGCACGTACTTTATGAATAAGGAAGGGCTAACTCCGTGCCAGCAGCGGCGGTAATCCGGAGGATCTGAGCGTAATCCGGATTTATTGGGTTAAAAGGGAGCGTAGATGGATGTTTAAGTCAGTTGTGATAGGTTGCGGCTCAACCGTGAAATTGCAGTTGATACTGGATATCTTGAGTGCAGTGAAGGCAGGCGGAATTCGTGGTGTAGCGTTGAAATGCTTAAATATCACGAGGAACTCCGTGTGCGAAGGCAGCCTGCTGGGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU11920;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.8048),o:"Bacteroidales"(0.5395),f:Bacteroidaceae(0.1098),g:Bacteroides(0.0204);
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ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTGCTCATTGACGTTACCCGCCGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGCGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGCACGAAGGCGGTTGGTGAAGGCAGATGGGAAATCCCCGGGCTCAACCTGGGAACTGCAACTGATACTGGCAAGCTTGAGGCGCGTAGAGGGGAGGAGAATTCCAGGTGGAGAGGGGAAATGCGTTAAGATCTGGGGGAATACCGGTGGCGAAGGCGGCCCCCTTGACGAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTTGTA

>OTU11921;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9903),o:"Bacteroidales"(0.9937),f:"Porphyromonadaceae"(0.9871),g:Butyricimonas(0.9818);

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>OTU11923;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9719),o:"Bacteroidales"(0.8846),f:Bacteroidaceae(0.4914),g:Bacteroides(0.3043);

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>OTU11922;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9987),c:Gammaproteobacteria(0.9740),o:"Enterobacteriales"(0.8303),f:Enterobacteriaceae(0.6350),g:Escherichia/Shigella(0.3043);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGAAGCCATGCCGCGTGTATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTGCTCATTGACGTTACCCGCAGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGGATTACTGGGCGTAAAGCGCACGCAGGCGGTTTGTTAAGTCATATTTGCAATCCCCGGGCTCAACCTGGGATCTGCCTCTTATACTGGCAAGCTTTAGTCTCGTAGATGTGGGTAGAACTCCAGGTGTAGCGGTGACATGCGTAGAGATCTGTAGGAATACCTGTGGCGAAGGCGGCCCCCTTGACGAAGACTTACGCTCATGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU11925;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9726),o:"Bacteroidales"(0.8955),f:Bacteroidaceae(0.6350),g:Bacteroides(0.4787);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGTCTCTCTGTATCGTAAACTTCTTCTATATAAGAATAAAGTGCAGTACGTATACTGTTTTCTACGTCTTATATGATTCAGGATCGCCTAACTCTGCGCCAGCAGCCGCGGTTATACGGAGGTACCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGGTAAGTCAGTTGTGAAAGGTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGTCAGGCTTGAGTACAGTAGAGGTGAGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATATCGAAGAACTCCGATTGCGAAGGCAGCTCACTGGACTGCAGCTGACACTGATGCACGAAAGTGTGGGTATCAGACAGGATTAGATACCCTGGTA

>OTU11926;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9994),c:"Bacteroidia"(0.9791),o:"Bacteroidales"(0.9730),f:Bacteroidaceae(0.8505),g:Bacteroides(0.7643);

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>OTU11924;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9776),o:"Enterobacteriales"(0.8737),f:Enterobacteriaceae(0.7787),g:Escherichia/Shigella(0.4351);

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ACTTAATTCATCATTTTTTAATCTTTCTCAATTTTTTCAACCCTTACTCATCTACTCCGCTTTCGGGACGGAGGCCTTCGGGTCGTAAACCGCTTTCAGCAGGGAAGAGAAGAGACTGTACCTGCAGAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGATTCATTGGGCGTAAAGCGCGCGTAGGCGGCCCGGCAGGCCGGGGGTCGAAGCGGGGGGCTCAACCCCCCGAAGCCCCCGGAACCTCCGCGGCTTGGGTCCGGTAGGGGAGGGTGGAACACCCGGTGTAGCGGTGGAATGCGCAGATATCGGGTGGAACACCGGTGGCGAGGGCGGCCCTCTGGGCCGAGACCGACGCTGAGGCGCGAAAGCTGGGGGAGCGAACAGGATTAGATACCCTGGTA

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nospiraceae(0.4914),g:Clostridium_XlVa(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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1719),f:"Prevotellaceae"(0.0457),g:Alloprevotella(0.0110);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGT
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6881),f:"Porphyromonadaceae"(0.3884),g:Parabacteroides(0.0712);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTAAGCCTGAACCAGCCAAGTCGCGTGAAGGATGAAGGT
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>OTU11943;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lach
nospiraceae(0.3204),g:Coprococcus(0.0519);
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0473),f:"Porphyromonadaceae"(0.0113),g:Porphyromonas(0.0046);
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>OTU11947;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9903),o:Lactobacillales(0.9707),f:Lactob
acillaceae(0.9108),g:Lactobacillus(0.5239);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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>OTU11948;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Rumi
nococcaceae(0.1872),g:Oscillibacter(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGACGGC
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AGTCAGATGTGAAATCCACGGGCCCAACTCGTGAACTGCATTTGAAACCTCTCTGCTTGAGTATCGGTGAGGCAAGC
GGAATTCCTAGTGTAGCGGTTAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGATA
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>OTU11949;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Rumi
nococcaceae(0.4914),g:Ruminococcus(0.2171);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACACGGACGCAGCAACGCCGCGTGAACGATGAAGG
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AAGTCAGATGTGAAATCCTTGGGTTTAACCCACGAACTGCATTTGAAACTGTTTTGCTTGAGTGAAGTCGATGCAGGC
GGAATTCCCTGTGTAGCGGTGAAATGCGTCGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTA
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>OTU11951;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Rumi
nococcaceae(0.2864),g:Clostridium_IV(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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>OTU11952;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Lach
nospiraceae(0.1291),g:Lachnobacterium(0.0204);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGT
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>OTU11954;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9348),c:"Bacteroidia"(0.5579),o:"Bacteroidales"(0.2999),f:"Porphyromonadaceae"(0.1098),g:Barnesiella(0.0157);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGTCCTACGGATTGTAAACCTCTTTTGTCGGGGAGTAACGTGCAGGACGCGTCCCGTATTGAGAGTACCCGAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATAAGGAGGGTGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGAGGGCCAAGTCAGTCGTAAAAGTGCCGTGCTCAACCCGATCTCGCCGTTGAAACTGGCGCGCTCGAGTGCATGCGAGGAAGGCGGAAGGCGTTGTGTAGCGGTGAAATGCATAGATATGACGCAGAACGCCGATTGCGAAGGCAGCTTTCCAGCGCGCTACTGACGCTGATGCACGAAAGCGTGGGTATTGAACAGGATTAGATACCCTGGTA
>OTU11955;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9769),c:Epsilonproteobacteria(0.9462),o:Campylobacterales(0.7995),f:Campylobacteraceae(0.5632),g:Campylobacter(0.3915);
ACGGAAGGCAGCAGTCGGGAATATTGCTCAATGGGCGAAAGCCTGACGCAGCAACGCCGCGTGGAGGATGACACTTTTCGGATCGTAAACTCCTTTTCTTAGGGAAGAACAATGACGGTACCTAAGGAATAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTACTCGGAATCACTGGGCGTAAAGGACGCGTAGGCGGATTATCAAGTCTGTTGTGAAATCTAATGGCTTAACCATGAAACTGCTTGAGAAACTGATAATCTAGAGTGAGGGAGAGGCAGGTGGAATTGATGGTGTAGGGGTGAAATGCGTAGAGATCACGAAGAATACCAGTTGCGAAGGCGATCTGCTAGAACGCAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU11953;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lachnospiraceae(0.3544),g:Pseudobutyrivibrio(0.0904);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGCGATGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCTCCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAGTGGCAAGTCTGATGTGAAAGGTCTGGGCTCAACCCGCAGACTGCATTGGAAACTGGTGTACTTGAGTGTCGGAGGGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGCGGCGAAGGCGGCTTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU11958;tax=d:Bacteria(0.0041),p:"Proteobacteria"(0.0000),c:Gammaproteobacteria(0.0000),o:"Enterobacteriales"(0.0000),f:Enterobacteriaceae(0.0000),g:Erwinia(0.0000);
ACCGCTTTCTCCATACCCTGACACATCTCAACCACACCAGCAGCAGCCTCAGTGACGACCTTCGACATATCCTTTGCCGTAGCGCCAATATTCGAAGAGCCATACCGCTGATTCTGCGTTTGCTGATGAACTAAGTCAACCTCAGCACTAACCTTGCGAGTCATTTCTTTGATTTGGTCATTGGTAAAATACTGACCAGCCGTTTGAGCTTGAGTAAGCATTTGGCGCATAATCTCGGAAACCTGCTGTTGCTTGGAAAGATTGGTGTTTGCCATAATAGACGCAACGCGAGCAGTAGACTCCTTCTGTTGATAAGCAAGCATCTCATGTTGTGCATAGACCTGGGCTTTCGTATTCTGGCGTGAAGTCGCAGACGGAATGCCAGCAATCGCTTTTTGAGTCTCATTTT

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ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGACGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACTCCATGATTCAGGACCCGCTTACTCCGTGCCAGCAGCCGCGGTAATTCGGAGGATTCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTTAGATAGGTTTGAGGTTAAATGCTTCTGCTCAACAAGAATTTGCCTTGAAAACTGTCTCACTAGGGTGTAAACGGCGCGGGCGGAATGGATGATGTAGCAGTGACATGCATAGATATGATTCAGAACACCGATGGCGAAGGCAGCTTGCGAGGATACGATTGACGCTGAAGCACGAAAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA
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ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGCCCTCGGATTGTTAAGCTCCTTTATTAAGGACGTAGAATTGACTGTACTTAATGATTAAGCTCCGGCTAACTACTTGCCAGCAGCTGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCAGAGCAAGTCAGATGTGAAATCCGTGGGCTCAACCCACGAACTGCGTTTGGAACTGTTTTGCTTGAGTGAAGTAGAGGCAGGCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTAGGCTTTAACTGACGCTGAGGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
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ACCTCACCAGGCCACAACCAACCAGAACGTGCAAAAGCGTCCTGCGTGTAGCGAACTGCGATGGGCATACTGTAACCCTCAGGCCACGTATTTTGCAAGCTATTTAACTGGCGGCGATTGCGTACCCGACGACCAAAATTAGGGTCAACGCTACCTGTAGGAAGTGTCCGCATAAAGTGCACCGCATGGAAATGAAGACGGCCATTAGCTGTACCATACTCAGGCACACAAAAATACTGATAGCAGTCGGCGTGTGAATCATTAGACTTGCGACCCGCGGCAGCAAGAACCATACGACCAATATCACGAAAAGAGTCACGCAAAGCAGGGGGATTATCATAAAACGCCTCTAATCGGTCGTCAGCCAACGTGAGAGTGTCAAAAACGATAAACCAACGATCAGCATGAGCCTGTCGCAGGGCATTCA
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nococcaceae(0.1485),g:Ruminococcus(0.0204);
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5766),f:"Prevotellaceae"(0.1872),g:Alloprevotella(0.0519);
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nospiraceae(0.3204),g:Clostridium_XlVa(0.0808);
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ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGGGCAAGCCTGATGAAGCCATGCCGCGTGTATGAAGAAGGC
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>OTU11972;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9572),c:Spirochaetia(0.8755),o:Spirochaetales(0.72
52),f:Spirochaetaceae(0.5273),g:Treponema(0.1299);
ACGGAAGGCAGCAGCTAAGAATATTCCGCAATGGAGGAAAGTCTGACGGAGCGACGCCGCGTGAACGAAGAAGGC
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>OTU11969;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Euba
cteriaceae(0.0457),g:Alkalibaculum(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGGGGGAAGAAGG
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GACCGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGTGTAGGCGGCTT
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>OTU11970;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:"Bacteroidia"(0.0726),o:"Bacteroidales"(0.
0473),f:"Porphyromonadaceae"(0.0113),g:Coprobacter(0.0056);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
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5395),f:Bacteroidaceae(0.1872),g:Bacteroides(0.0519);

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GCAATAGAGGAAGGAGGAATTCGTGGTGTAGAGGTGAAATGCGTAGATATCAGGAAGAACTCCGATGGCGAAGGC
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>OTU11973;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Eubacteriaceae(0.4563),g:Eubacterium(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGCGAAGGATGAAGTA
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>OTU11976;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Lachnospiraceae(0.1679),g:Hespellia(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGTCGCGTGAAGGATGAATTA
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ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGAAGGC
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>OTU11977;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Lachnospiraceae(0.0560),g:Clostridium_XlVa(0.0134);

ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGCGAAAGCCTGATCCAGCCATGCCGCGTGAATGATGAAGTCT
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AGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGGTTGGCAAGT
CAGATGTGAAATACCGAGGCTTAACCTCGGAACTGCATTTGAAACTGTCGTTCTTGAGTGAAGTAGAGGCTGGCGGA
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>OTU11979;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:Flavobacteriia(0.1740),o:"Flavobacteriales
"(0.0781),f:Flavobacteriaceae(0.0252),g:Chryseobacterium(0.0066);

ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGATGGGAATCCGATCCAGCCATGTCGCGTGAAGGAATACGGTC
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CGTAGGCTGTGATGTAAGTCAGTGGTGAAATGTGGCGGCTTAACCGCTAAACTGCCGTGGGTACTGCATTGCTGGAA
TACGGTTGCCGTGGGAGGAATGTGTAGTGTAGCGGTGAAATGCATAGATATTACACAGAACACCGATTGCGAAGGC
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>OTU11980;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:"Bacteroidia"(0.1159),o:"Bacteroidales"(0.
0547),f:Marinilabiliaceae(0.0113),g:Alkalitalea(0.0056);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCCGAACCAGCCATGCCGTGTGCGGGAAGGAGGC
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>OTU11978;tax=d:Bacteria(1.0000),p:Firmicutes(0.2586),c:Clostridia(0.0726),o:Clostridiales(0.0473),f:Rumi
nococcaceae(0.0113),g:Clostridium_III(0.0056);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
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TCTTGAGTGTCGGAGAGGTAAGTGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGG
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0473),f:Prolixibacteraceae(0.0113),g:Prolixibacter(0.0056);

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1249),f:"Porphyromonadaceae"(0.0252),g:Parabacteroides(0.0076);
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>OTU11984;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9776),o:Clostridiales(0.9685),f:Lach
nospiraceae(0.8146),g:Butyrivibrio(0.3479);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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>OTU11985;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Lach
nospiraceae(0.0904),g:Lactonifactor(0.0157);

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>OTU11991;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8448),c:"Bacteroidia"(0.1740),o:"Bacteroidales"(0.0781),f:Marinilabiliaceae(0.0252),g:Mangroviflexus(0.0076);

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nococcaceae(0.1291),g:Saccharofermentans(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGG
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nospiraceae(0.3544),g:Ruminococcus2(0.0808);
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9172),f:"Prevotellaceae"(0.7428),g:Prevotella(0.3043);

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6881),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0904);
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ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGT
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4280),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0204);
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ococcaceae_2(0.0099),g:Desulfotomaculum(0.0046);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGG
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GCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGACCT
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GAAGGCGGAATTACCGGGGTAGGGGGGAAATGCGTAGAGATCGGTAGGAAAACAAGTGGGGAGGGCGGCTTCCT
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>OTU11998;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Lachnospiraceae(0.0710),g:Clostridium_XlVa(0.0134);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGT
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>OTU12000;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8808),c:"Bacteroidia"(0.7114),o:"Bacteroidales"(0.4280),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0519);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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>OTU11999;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Ruminococcaceae(0.2864),g:Clostridium_IV(0.0326);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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>OTU12001;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Lachnospiraceae(0.2184),g:Blautia(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
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>OTU12004;tax=d:Bacteria(1.0000),p:"Synergistetes"(0.9736),c:Synergistia(0.9462),o:Synergistales(0.8520)
,f:Synergistaceae(0.7068),g:Cloacibacillus(0.3479);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGCAACCCTGACCCAGCGACGCCGCGTGAGCGAAGAAATC
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GGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGTGAAGGCGGCTTACTGGCACAC
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>OTU12002;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Erysipelotrichia(0.9747),o:Erysipelotrichales(0.9
280),f:Erysipelotrichaceae(0.9108),g:Turicibacter(0.9085);

ACGGGAGGCAGCAGTAGGAAATCTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGAATGATGAAGGC
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CGACTTGAGTGCAGAAGAGGGAAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGAGATATGGAGGAACACCAGT
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GTA

>OTU12005;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9805),o:Clostridiales(0.9775),f:Clost
ridiaceae_1(0.8505),g:Clostridium_sensu_stricto(0.6200);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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CAGCCGCGGTAATACGTAGGCGGCGGCGGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAAG
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GAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATGAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTAA
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>OTU12003;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lach
nospiraceae(0.2524),g:Ruminococcus2(0.0615);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGCGAAAGACTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
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GCAGCCGCGGTACTATGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAGAGGCA
AGTCTGATGTGAAAACCCGGGGCTCAACCCCGGTACTGCATTGGAGACTGTTTATCTAGAGTGCCGGAGGGGTAAGT
GGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCGATGGCGAAGGCGGCTTACTGGACGGTA
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>OTU12008;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Rumi
nococcaceae(0.0457),g:Clostridium_III(0.0110);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAGAGCCTGATGCAGCGACGCAGCGTGAAGGATGAAGG
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AGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGATTCA
AGTCAGATGTGAAATCTCAGGGCTTAACCCTGAAACTGCAGCTGAAACTGAATCCCTTGAGTATCGGAGAGGCAAGT
GGAATTCCTAGTGTAGCGGTGAAATGCTTAGATATTAGGAGGAACCCCAGTGGCGAAGGCGGCATGCTGGGCTTTA
ACTGACGCTGAGGCACGAAGGCGTAGGTAACAAACAGGATTAGATACCCTGGTA

>OTU12007;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Rumi
nococcaceae(0.1872),g:Ruminococcus(0.0204);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCGACGCCGCGTGAGGGAAGAAGGT
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GAATTCCCTGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTAA
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>OTU12009;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6036),c:Sphingobacteriia(0.0726),o:"Sphingobacte
riales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Mucilaginibacter(0.0056);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
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AGCATCCGCTGAATCCGGGCCAGCAGCCGCGGTAATACGGGGGATGGGAGCGTTATCCGGATTCATTGGGTTTAAA
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TAGAGTGCGAATGCCGCCGGAGGAATGCGTGGTGTAGCGGTGAAATGCTTAGATATCACTCAGAACACCGGTTGCG
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>OTU12006;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Clost
ridiaceae_1(0.0904),g:Clostridium_sensu_stricto(0.0181);

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nococcaceae(0.7068),g:Gemmiger(0.0808);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGATGAAGAAGTT
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>OTU12010;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Clost
ridiales_Incertae_Sedis_XII(0.0710),g:Acidaminobacter(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGC
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nospiraceae(0.1679),g:Robinsoniella(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTA
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00),f:Spirochaetaceae(0.0000),g:Spirochaeta(0.0000);
ATTTAGGGTCGGCATCACAAGCAATATCAGCCCCACCAGACACCACCTGATTAGCGGCGTTGACAGATGTATCCATCT
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nospiraceae(0.3884),g:Syntrophococcus(0.0904);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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0352),f:"Prevotellaceae"(0.0073),g:Prevotella(0.0039);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
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ococcaceae_1(0.3544),g:Peptococcus(0.1299);
ACGGAAGGCAGCAGTGGGGAATCTTCCGCAATGGGCGAAAGCCTGACCGAGCAATGCCGCGTGAGTGAAGAAGGC
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(0.0000),f:Thermomonosporaceae(0.0000),g:Actinomadura(0.0000);
TTCTCCTCAAGTAAGGGGCCGCAGCCCCTGCAATTCAAATTGTTGACCACCTACATCCCCACGACGAGCGCCTTTACG
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acillaceae(0.0000),g:Lactobacillus(0.0000);
ACTTCTCCCACCTCTATTGACCTTCTGGGTCTGCACGCTGCTTCTGCTCATTTGCATACTGCCCACGAACGTGATTCCTT
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>OTU12018;tax=d:Bacteria(0.9827),p:"Bacteroidetes"(0.2586),c:"Bacteroidia"(0.0525),o:"Bacteroidales"(0.
0352),f:"Porphyromonadaceae"(0.0086),g:Coprobacter(0.0043);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
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>OTU12021;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Lach
nospiraceae(0.3884),g:Clostridium_XlVa(0.1735);
ACGGGAGGCAGCAGTGGGGAATATTACACAATGGGCGAAAGCCCGACGCAGCGACGCCGCGTGAGCGAAGAAGTA
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GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACCGTA
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>OTU12022;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:Sphingobacteriia(0.1159),o:"Sphingobacte
riales"(0.0547),f:Sphingobacteriaceae(0.0149),g:Parapedobacter(0.0066);
ACGGAAGGCAGCAGTGAGGAATATTGGTCGATGGGCGGAAGCCCGAACCAGCCATGCCGCGTGAGGGAAGAAGGT
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ophomonadaceae(0.0000),g:Syntrophomonas(0.0000);
CATCAACCTCATAGCCAGATGCCCCGAGATTAGAGCGCATGACCAGTCAAGTACCGTTGTCAGCGTCATAAGAGGTTT
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nococcaceae(0.6350),g:Ruminococcus(0.3915);
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0547),f:"Porphyromonadaceae"(0.0113),g:Barnesiella(0.0046);
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0413),f:Prolixibacteraceae(0.0099),g:Prolixibacter(0.0046);
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2679),f:"Porphyromonadaceae"(0.1291),g:Barnesiella(0.0181);
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GTTTCGGCTCGTAAACCTCTGTCCTATGGGACGAAGGAAGTGACGGTACCATAGGAGGAAGCCCCGGCTAACTACGT
GCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGACGGCTTT
GCAAGCCAGATGTGAAAGCCCGGGGCTCAACCCCGGGACTGCATTTGGAACTGTAATGCTAGAGTGTCGGAGAGGC
AAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGAC
TGACACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU12105;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9711),o:"Bacteroidales"(0.8737),f:"Prevotellaceae"(0.4224),g:Prevotella(0.2171);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGATGACGGC
CCTATGGGTTGTAAACTGCTTTTATAAGGGAATAAAGTGAGAGACGTGAGGCTTTTTGCATGTACCTTATGAATAAGG
ATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCGGGAGATTAAGCGAGTAGTGAAAGTTTGACGCTCAACCGTTAAACTGCAGCGCGAACTGGATGCCTTG

AGTGCGGTGGAGGTAGGCGGAATTCGTGGTGTAGCAGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAG
GCAGCTTACCGTAGCGTTACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU12107;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8267),c:"Bacteroidia"(0.2321),o:"Bacteroidales"(0.
1015),f:"Porphyromonadaceae"(0.0355),g:Porphyromonas(0.0076);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGAAGCCTGAACCAGCCATGCCGTGTGAAGGATGACGGT
CCTATGGATTTTAAACTTCTTTTGTCGGAGAGTAATAATGGTCTCGTGAGATCCGTTGAGTGTATCCTACGAATAAGCA
TCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTG
CGTAGGCGGTCTGTTAAGTCAGCAGTGAAAGGCCGCCGCTCAACGGGATAAGTGCGGTTGATACTGGTAGACTGGA
GTGCAGATGAGGTGGGAGGAATGTGTGGTGTAGCGGTGAAATGCATAGATATCACAAAGAACACCGATTGCGAAG
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>OTU12106;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.2586),c:Sphingobacteriia(0.0726),o:"Sphingobacte
riales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Solitalea(0.0046);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGT
CCTATGGATTGTAAACTGCTTTTTTCGGGGAATAATAAGACTTTTGCGAAGGTTGATGCAGGTACCCGAAGAATAAG
GATCGGCTAACTCTGTGCCAGCAGCCGCGGTAATACGGAGGATTCGAGCGTTATCCGGATTTATTGGGTGTAAAGGG
TGCGTAGACGGGAAGGCAAGTTAGTCGTGAAATCCCTCGGCTTAACTGAGGAACTGCAACTAAAACTATCTTTCTTGA
GTGCTGGAGAGGAAAGTGGAATTCCTAGTGTAGCTGTGAAATGCATAGATATTAGGAGGAACATCGGTGGCGAAGG
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>OTU12108;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Rumi
nococcaceae(0.2524),g:Papillibacter(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAAAGCCGCGTGAAGGAAGAAGG
CCTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGGACGTGACGGTACCTGGAGAAAAAGCCACGGCTAACTACGT
GCCAGCAGCTGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGTGTAGGCGGAGCT
GCAAGTCAGATGTGAAATCTCAGGTCTCAACCCTGACACTGCATTTGAAACTGTAGCCCTTGAGTATCGGAGAGGCA
AGCGGAATTCCTAGTGTAGCGGTGAAATGCTTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTTGACG
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>OTU12110;tax=d:Bacteria(0.0041),p:"Fusobacteria"(0.0000),c:Fusobacteriia(0.0000),o:"Fusobacteriales"(0
.0000),f:"Fusobacteriaceae"(0.0000),g:Fusobacterium(0.0000);
ATTGGCCCAATGCTCCACTGTGCTCCCCCAACTTGATATTAATCACACTATCGACCACCGCCCCGAAGGGGACGAACA
ATGGTTTTTAGAGAACGAGAAGACGGTTACGCAGTTTTGCCGCAAGCTGGCTGCTGAACGCCCTCTTAAGGATATTC
GCGATGAGTATAATTACCCCAAAAAGGAAGGTATTGAGGATGAGTGTTCAAGATTGCTGGAGGCCTCCACTATGAAA
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>OTU12109;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Rumi
nococcaceae(0.1098),g:Flavonifractor(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGATCCAGCAACGCCGCGTGAAGGAAGAAGGT
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CCGCAGCCGCGGTCATACGCAGGTGGCATGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGGATGC
AAGTCAGATGTGAAATCTATGGGCTTAACCCATAAACTGCATTTGAAACTGTATCTCTTGAGTGCTGGAGAGGTAGAT
GGAATTCCTTGTGTAGCGGTGAAATGCGTAGATATAAGGAAGAACACCAGTGGCGAAGGCGATCTACTGGACAGTA
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>OTU12111;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Lach
nospiraceae(0.4563),g:Dorea(0.2171);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAAGGATGAAGTA
TTTCGGTATGTAAAATTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCT
GCAGCCGCGGTAATACGTAGGGGGCAAGCAGTATCCGGATTTACTGGGTGGAAAGGGAGCGTAGACGGCTTTGCAA
GCCAGATGTGAAAGCCCGGGGCTCAACCCCGCGACTGCATTTGGAACTGCAATGCTAGAGTTTCGGAGATTCAAGTG
GAATTCCTAGTGTATCAGTGAAATGCTTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGATGAC
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>OTU12113;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Pept
ostreptococcaceae(0.2184),g:Clostridium_XI(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGAGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGACGGC
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GCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAGGGGTGCGTAGGTGGTTTCTTAA
ATCAGAGGTGAAAGGCTACGGCTCAACCGTAGTAAGCCTTTGAAACTGGGAAGCTGAAGTGCAGGAGAGGAGAGT
GGAATTCCTATGGTAGCGGTGAAATGCGTAGATATTAGGAGGACCACCAGTTGCGAAGGCGGCTCTCTGGACTGTAA
CTGACACTGAGGCACGAAAGCGTGGAGAGCAAACAGGATTAGATACCCTGGTA
>OTU12112;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Euba
cteriaceae(0.4224),g:Eubacterium(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAATGAAGAAGTA
TTTCGGTATGTAAAGTTCTTTCAGCAGGGAAGAAGATGACGGTACCTGAATAAAAAGCCCCGGCTAAATACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGGGCA
AGCCCGATGTGAAAACCCGGGGCTCAACCGCGGGATTGCATTGGAAACTGTCCAGCTAGAGTGTCGGAGAGGTAAG
TGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGAT
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>OTU12114;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Rumi
nococcaceae(0.1679),g:Ruminococcus(0.0423);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGT
CTTCTGTATGTAAAGTTCTTTTATTAAGGACGAAGAAGTGACGGTACTTAATGAATAAGCTCCAGCTAACTACGTGCC
AGCAGCCTCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCAGAGCA
AGTCAGATGTGAAAACCACGGGCTCAACCTGTGGCCTGCATTTGAAACTGTAGTTCTTGAGTACTGGAGAGGCAGAC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGTTAGCTGGACAGTA
ACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU12115;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Rumi
nococcaceae(0.0904),g:Papillibacter(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGGAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
CTTCGGATCGTAAACCTCTTTTATCAGGGACGAAGTAAGTGACGGTAGCAGATGAAAAAGCCACACCTAAATACTAG
CCAGCGGCCGCGGCAATACCTGGGTGGCAAGCGTTAGCCGGATTTAGTGGGTGTAAAGGGCGCGTAGGCGGGGAT
GCAAGTCAGGTGTGAAATCTATGGGCTTAACCCATGGGCTGCATTTGAAACTGTATCTCTTGAGTGTCGGAGAGGTA
GGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGACG
GTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU12116;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9604),o:Clostridiales(0.8520),f:Pept
ostreptococcaceae(0.2864),g:Clostridium_XI(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
CTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAA
GTCAGAGGTGAAAGGCTACGGCTCAACCGGAGTAAGGCTTTGAAACTGGGAAACGTGAGGGCAGGAGAGGGGAGT
GGAATTCCGAGGGGAGCGGTGAAATGCGTAGAGATTAGGAGGAAAACCAGGTGCGAAGGCGGCTCTCGGGACTGT
AACTGACACTGAGGGACGAAAGCGGGGGGAGCAAACAGGATTAGATACCCTGGTAA
>OTU12119;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Euba
cteriaceae(0.2864),g:Eubacterium(0.0808);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
TTTCGGTATGTAAACTTCTATCATCAGGGAAGCAAATGACGTTACCTGACTAAGAATCCCCGGCTAACTACGTGCCAG
CAGCCGCGGTACTACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGGGCGTAGACGGCTGTGTAAG
TCTGATGTGAAAACCCGGGGCGCAACCCCGGGACGGAAGTGGAAAAGAGGCGGCTAGAGTGTAGGAGAGGTAAGT
GGAATTACTAGTGGAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTACTGGACGAT
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>OTU12117;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Rumi
nococcaceae(0.2184),g:Clostridium_IV(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
CTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGGACGTGACGGTACCTGAGAAAAAGCAACGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGTTGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGGAGA
CAAGTTGAATGTCTAAACTATCGGCATAACTGATAGTCGCGTTCAAAACTATCCCTCTTGAGTGCAGTAGAGGTAGGC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACTGTA
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>OTU12118;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Rumi
nococcaceae(0.1679),g:Hydrogenoanaerobacterium(0.0326);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGT
TTTCGGATTGTAAACCCCTGTTCTCAGGGACGAAGAATGACGGTAGCTTAGGAGAAAGCCCCGGCTAACTACGTGCC
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AAGTCAGTGGTGAAAGGTGTGGGCTTAACCCATAGGCTGCAATTGAAACTGTAGTTCTTGAGTGAAGTAGAGGCAA
GCGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTGCTGGACTG
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>OTU12120;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Rumi
nococcaceae(0.2524),g:Intestinimonas(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
TTTCGGGTTGTAAACTTCTTTTGTCAGGGACGAGGAGAAGACGGTACCTGACGAATAAGCCACGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGT
AAGTCTGATGTGAAAACCCGGGTCTCAACCTGGGGACTGCATTGGATACTATGCGGCTAGAGTGTCGGAGAGGTAA
GTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACTA
CAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU12122;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Clost
ridiaceae_1(0.1485),g:Clostridium_sensu_stricto(0.0204);
CCTTTATTCCTCCTTTGTTCCTATTTCCCCATTTGGGCCCCCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGTCTTC
GGATCGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCA
GCCGCGGTAATACGTAGGTGGTAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGCCTGGTAAGTC
CGGAGTGAAAGTCCTGCTTTTAAGGTGGGAATTGCTTTGGATACTGCTGGGCTTGAGTGCAGGAGAGGAAAGCGGA
ATTACCGGTGTAGCGGTGAAATGCGTAGAGATCGGTAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGAAACT
GACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU12123;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachnospiraceae(0.2864),g:Blautia(0.0615);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTATTTCGGTATGTAAACTTCTATCAGCAGGGAAGAAAATGACGGTACTTGACTAAGAAGCCCCGGCTAACTACTTCCTAGCAGCCGCGGCAATACGACGGGAGCGACCGTCGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGACGGCAATGCAGGTCTGAAGTGAAAGGACGGGGCTTAACGCTGTGACTGCTTTGGAGACTGTGTAGCTTGAGTGCCGGAGGGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU12121;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.4045),o:Clostridiales(0.1249),f:Ruminococcaceae(0.0355),g:Clostridium_III(0.0076);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGTTAACCTCTTTTACTAGGGACGTAGGACGTGACGGTACTTGGAGATTATGCAACGGCCAACTACGTGCCAGCAGTCGCGGCAATACGTAGGCCGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGAGTAGGCGGAGATGCAAGTTGGGCGTGAAATCCCGGGGCTCAACCGCTGAACTGCGTTCAAAACTGGATCCCTTGAGTAACGGAGAGGCAAGCGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCGGTTGCGAAGGCAGCTTGCTAGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU12126;tax=d:Bacteria(0.0041),p:"Proteobacteria"(0.0000),c:Gammaproteobacteria(0.0000),o:Xanthomonadales(0.0000),f:Xanthomonadaceae(0.0000),g:Luteimonas(0.0000);

CCCAGAGCTTGCTGCGGTTATCCCTCTGCTTCTGGGAGCCCAGCATTGGGGCTTGAGAAAGAGTAGAAATGCCACAAGCCTCAATAGCAGTTTTACGAGCCTCGATACTCTCAAAGTCAAAATAATCAGCGTGACATTCAGACGGGTAATAAGCACGAACCATAAAAAAGCCTCCAAGATTTGGAGGCATGAAAACATACAATTGGGAGGGTGTCAATCCTGACGGTTATTTCCTAGACAAATTAGAGCCAAGACCATCAGATTTACCGTCTTGACAGAAATTGTGCCAAGTAGCGGCAACAGCTTTATCAAGACCATGAAAAAGATCAACCACACCAGAAGCAGCAGCAGTGACGACATGAGAAATATCCGTTGCAGTAGCGCCAAGATGAGAAGAGCCATACCGCTGATGCTGCGTTTGC

>OTU12124;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Ruminococcaceae(0.0149),g:Clostridium_IV(0.0056);

ACGGGAGGCAGCAGTGGGGAATATTGCACGATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGTTTTCGGATTGTAAACCTCTGTTTTCGGTGACGAACAAATGACGGTAACCGAGTATGAAGCTACGGCTAACTACGTGCCAGCAGCCGCTTTAATACGTAGGTGCCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGGATGCAAGTCAGATGTGAAATCTATGGGCTTAACCCATAGAATGCATTTGAGAATGTATCTCTTGAGTGGTGGAGAGGTAGATGGGATTCCGTGTGTAGCGGTGAAATGCGTAGAATTAAAGAAGAACACCAGTGGCGAAGGCGATCTAATGGACAGTAAACGGAGACGAGGCGCGAGAGCTTGGGGAGCAGACAGGATTAGATACCCTGGTA

>OTU12127;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Lachnospiraceae(0.3544),g:Dorea(0.0808);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGACGCGTGAAGGATGAAGTATTTCGGTATATAAACTTCTAACAGTAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGGAATAAGTAGGGGGCAAGTGATATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTTTGCAAGCCAGATGTGAAAGCCCGGGGCTCAACCCCGGGACTGCTTTTGGAACTGTCGAACTAGAGTGCAGGAGGGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGACCCCCAGTGGCGAAGGCGGCTTTCTTGACTGACACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU12125;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Ruminococcaceae(0.0560),g:Clostridium_IV(0.0134);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGCTGCAAAGCCTTGTCTTCAGGGACGATAATGACGGTACCTAAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGGAATACGTAGGTGGCAAGCGCTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGGAGACAATTTGAACGTCTAAACTATCGGCTTAACTGATAGTCGCGTTCAAAACTATCACTCTTGAGTGCAGTAGAGGTAGGCGGAATCCCGAGTGTGGCGGTGACATGCGTAGATATTAGGATGAACACCAGTGGCGAAGGCGGCCTACTGGGCTGTAACTGACGCTGAGGCTCGGGAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU12129;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9989),c:Deltaproteobacteria(0.9798),o:Desulfovibrionales(0.9753),f:Desulfovibrionaceae(0.9108),g:Desulfovibrio(0.8605);

ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGTCTTCGGATCGTAAACCTCTGTCAGCAGGGAAGAAACTAGGGTGCTCTAATCATCATCCTACTGACGGTACCTTCAAACGAACAACCGGCTAACTCCGTGCCAGCAGCCGCGTTACTACGGATGGTGCAAGCGATAATCGGAATCACTGGGCGTAAAGCGCACGTAGGCTGTTATGTAAGTCAGGGGTGAAAGCTCACGGCTCAACCGTGGAACTGCACTTGATACTGCACGACTCGAGTCTGGGAGAGGGTGGCGGAATTCCCGGTGTAGGAGTGAAATCCGTAGATATCTGGAGGAACATCAGTGGCGAAGGCGGCCACCTGGACCGGTATTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU12130;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachnospiraceae(0.3204),g:Clostridium_XlVa(0.0712);

ACGGAAGGCAGCAGTGGGGGATATTGGACAATGGGGGGAACCCTGATCCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTACGTAAAGCTCTATCGGCAGGGAAGAAGGAAGAGACGGTACCTGAGTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGACGGAGAGGCAAGTCTGAAGTGAAATGCGGGGGCCCAACCCCGGGACTGCTGTGGAAACTGTCAGTCTGGAGTGCAGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTACTGGACTGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGACTAGATACCCTGGTA

>OTU12128;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Ruminococcaceae(0.5991),g:Oscillibacter(0.1735);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGTCTGACGCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTGACCGGGGAAGAGCAGAAGGCGGTACCATGAAAACAAGCCACGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTAGGTGGAACGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGCAGACGGGCTGACAAGTCAGATGTGAAATCCCGGTGCTTAACCGCGGAACTGCATTTGAAACTGTTGGGCTTGAGTATCGGAGAGGTCAGCGGAATTCCTTGTGTAGCGGTGAAATGCGTAGATATAAGGAAGAACACCAGTGGCGAAGGCGGATGACTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU12134;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Bacilli(0.9840),o:Lactobacillales(0.9889),f:Lactobacillaceae(0.7428),g:Lactobacillus(0.3043);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCAGAAAGTCACGGCTAACTACGTTCCAGCAGCCGCGGTAATACGTCGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTCGCTTAGGTCGGATGGGAAAGCCTTCGGATGAACCGAAGAAGTGCATCGGAAACCGGGCGACTGGAGTGCAGAAGAGGACAGGGGAACTCCAGGTGTAGCGGGGGAATGCGTAGATATATGGAAGAAAACCAGTGGAGAAGGCGGCTGGCGGGTCTGCAACGGACGATGAGGCTAGAAAGCATGGGTAGCGAACAGGATTAATACCCTGGTA
>OTU12132;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9755),o:Clostridiales(0.9389),f:Clostridiaceae_1(0.6709),g:Clostridium_sensu_stricto(0.4351);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATCCAGCCACGCCGCGTGAGTGATGACGGCCCTCGGGTTGTAAAGCTCCTTCTTCAGGGACGATAATGACGGTACCTGTGGGGTAAGCCACGGCTAACTACGTGCCGGCAGCCGCGGTAATACGTAGGTGGCCAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAAGTGAGATGTGAAATACACAGGCTCAACTTGGGTGCTGCATTGCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAATGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATCAGGAAGAACACCAGTTGCGAAGGCGATTCTCTGGACTGTTACTGACGCTGAGGCTCGAAGGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU12133;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9474),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4652),f:"Porphyromonadaceae"(0.2184),g:Barnesiella(0.0230);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGATGACGGTCCTACGGATTGTAAACCTCTTTTGTCGGGGAGTAACGTGCGGGACGGGTGGCGTATTGAGAGTACCCGAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGGGCGCCAAGTCAGCGGTAAAAGGTTGCGGCTAAACCCGGTGACGCCGTTGAAACTGGCGTGCTCGAGTGCATGCGATGAAGGCGGAAAGCGTTATGTAGCGGTGAAATGCTTAGATATCACGCAGAACTTCGATTGCGAATGCAGCTTCCCAGCGCGTTCCTGACGCTGAGGCACGAGAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU12131;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9835),c:Gammaproteobacteria(0.9462),o:"Enterobacteriales"(0.6509),f:Enterobacteriaceae(0.4563),g:Escherichia/Shigella(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGGATGAAGAAGGCCTTCGGGTTGTAAAGAACTTTCAGCGGGGAGGAAGGGAGTAAAGGTAATACCGTGGCTCATGGACGGGACCCGCAGAAGAAGCACCGGCTAAAGCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGCACGCAGGCGGTTTGTTAAGTCAGCTGTGCCATCCCCGGGCTCCCCCTGGGTACTGCCTCTGCTACTGGCACGCTTGAGTCTCGTAGGTGGGGGTAGAATTCCCCTTGTAGCGGTGACATGCGTAGCTATCTGGAGGACTACCGGTGGCGAAGGCGGCCCCCTGGACGAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU12136;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Eubacteriaceae(0.1679),g:Eubacterium(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAAGGGGCGAAAGCCTGATGCAGCACCGCCGCTTGAGCGATGAAGGCCTTCGGTTCTTAAAGCTCTGTCCTCAAGGAAGATATTGCCGGTCCTTGGGGAGGAACCCCCGGCTAACTCCGTGCCACCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGAGGTGAAAGGCTACGGCTCAACCGTAGTAAGCCTTTGAAACTGGGAAACTTGAGTGCAGGGGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCGGCTCTCTGAACTGTAACTGACACTGAGGCACGAAAGCGTAGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU12137;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Lachnospiraceae(0.1485),g:Clostridium_XlVa(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGACTGAAGAAGTATTTCGGTTTGTAAAGGTCTATCAGCAAGGAAGAAAATGACGCTACTTGAGTAAGAAGCGCCGGCTATCTACGCGCCAGCAGCCGCGGTAATACGTGGGGGGCGAGCGTTATCTGGATTTACTGGGGGTAAAGGGAGCGTAGGTGGTAAGGCAAGCCAGAAGTGAAAGCCCGGGGCTCCAACCCGAGGACTGCTTTTGGAACTGTTGAACTAGAGTGCAGGAGGGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU12135;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.3448),c:"Bacteroidia"(0.1740),o:"Bacteroidales"(0.0781),f:Bacteroidaceae(0.0252),g:Bacteroides(0.0076);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGTCCTACGGATTGTAAACTGCTTTTATAAGGGGATAAAACGCTCGACGTGTCGCGTCTTGTATGTACCTCATGAATAAGCATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAGGCGTTATCCGGATTTATTGGGTGTAAAGGGTGCGTAGACGGGAAGGTAAGTTAGATGTGAAATCCCTCGGCTTAACTGAGGAACTGCAACTAAAACTATCTGTCTTGAGTGCTGTAGAGGATAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTTCTGGACAGTAACTGACGCTGAGGCACGAAAGTGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU12138;tax=d:Bacteria(0.0041),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Clostridiales(0.0000),f:Syntrophomonadaceae(0.0000),g:Syntrophomonas(0.0000);
CAGCGCCTTCCATGCTGAGACCGGCCGTTTGAATGTTGACGGGCTGAACATCATAAGCCATGCCGGCAGCAATAAACTCCACAGGAGCAGGCCCGCGAGGGTATCCTACAAAGTCCAGCGTACCATAAACGCAAGCCTCAACGCAGCGACGAGCACGAGCGCGGTCAGTAGCAATCCAAACTTTGTTACTCGTCAGAAAATCGAAATCATCTTCGGTTAAATCCAAAACGGCAGAAGCCTGAATGAGCTTAATAGAGGACAAAGCGGTATGGAAACGTACGGATTGGTCAGTAACTTGACTCATGATTTCGTACCTATTAGTGGTTGAACAGCAGCGGACTCAGATAGTAATCCACGCTCTTGTAAAATGTCAACAAGAGAATCTCTACCATGAACGAAATGGGACTCATATCTAAACCAGTCCTG
>OTU12140;tax=d:Bacteria(0.0024),p:"Spirochaetes"(0.0000),c:Spirochaetia(0.0000),o:Spirochaetales(0.0000),f:Leptospiraceae(0.0000),g:Leptospira(0.0000);
CCCGAGCTTGATGCGGTTATCCATCTGCTTATGGAAGCCGCGCATTGGGGATTGAGCAAGAGTAGAAATGCCACAAGCCTCAATAGCAGGTTTAAGAGCCTCGATACGCTCAAAGTCAAAATAATCAGCGTGACATTCAGAAGGGTAATAAGAACGAACCATAAAAAAGCCTCCAAGATTTGGAGGCATGAAAACATACAATTGGGAGGGTGTCAATCCTGACGGTTATGTCCTAGACAAATGAGAGCCAATACCATCAGCTTTACCGTCTTTCCAGAAATTGGGCCAAGGATCGGCAACAGCTTTCTCAATACCATG
>OTU12139;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9507),c:"Bacteroidia"(0.7114),o:"Bacteroidales"(0.4280),f:Bacteroidaceae(0.1098),g:Bacteroides(0.0204);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGACGAAGGCCCTACGGGTTGTAAACTTCTTTTATAAGGGAATAAAGGACATCACGTGTGATGTTTTGCATGTACCTTACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGTGGCTTGTTAAGTGAGCGGTGAAAGGCAGGGGCTCAACGATTGAATTGCAGTGGAAACTGGCGAGCTTGAGTACGTACGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGCAGAACCCCGATTGCGAAGGCAGCTTGCGAGGCCGTGACTGACGCTGATGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU12141;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9769),o:Clostridiales(0.9606),f:Eubacteriaceae(0.5991),g:Eubacterium(0.4351);
ACGGGCGGCAGCAGTGTGGCATCTGTCCCCCTGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTATTTCGGTATGTAAACTTCTATCAGCAGGGAAGAAAATGACGGTACTTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGAAAAGGGAGCGTAGACGGCTGTGTAAGTCTGATGTGAAAACCCGGGGCTCAACCCCGGGACTGCATTGGAAACTATGCGGCTAGAGAGTCGAAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU12144;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9726),o:"Bacteroidales"(0.8955),f:Bacteroidaceae(0.5632),g:Bacteroides(0.3915);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGCAGCGTGAAGGATGACTGC
CTTATGGGTTGAAAACTTCTTTTATAAAGAAAAAAAGTCGGGTATGGATACCCGATTGCATGAACTTTAGGAATAAGG
AACGGCTAACTCCGAGCCAGCAGCCGCGGTAATACGGAGGAACCGAGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGATGGATATTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAGAATTGCAGTTGATACTGTTTATCTTGA
GTGCAGTTGAGGCAAGCGGAATTCCTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGG
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>OTU12142;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9769),o:"Entero
bacteriales"(0.8629),f:Enterobacteriaceae(0.7428),g:Escherichia/Shigella(0.3479);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCCGATGCAGCCATGCCGCGTGTATGAAGAAGGC
CTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAACGTTAATACCTTTGCTCATTGACGTTACCCGCAGA
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>OTU12143;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Euba
cteriaceae(0.0457),g:Eubacterium(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATAGGGGAAACCCCGATCCAGCAACGCAGCGTGAAGGAAGACGGT
TCTCGGATTGGAAACTTCTTTTCTTAGTGAAGAAGAAAGTGACGGTAGCTAAGGAATAAGCATAGGCTAACTACGTG
CCAGCACCCGCGGTAATACGTAAGATGCGAGAGTTATCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGACTG
CAAGTTTGATGTGAAATGCCGCAGCTTAACGGCGGAGCTGCATCGAGAACTGCAGTGCTTGAGTGGGGTCAAGGCA
AGCGGAATTCCGCGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCT
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>OTU12147;tax=d:Bacteria(0.9827),p:"Bacteroidetes"(0.4311),c:Flavobacteriia(0.0626),o:"Flavobacteriales
"(0.0413),f:Flavobacteriaceae(0.0086),g:Lutibacter(0.0043);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGATGGAAATCTGATCCAGCCATGCCGCGTGCAGGAAGACGGT
CCTATGGATTGTAAACTGCTTTAGCATGGGAGCAATAAGGTGTACGCGTACACCGATGAGAGTACCATGAGAATAAG
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TGCGTAGGCTGTAAGTCAAGTAAGCGGTGAAAAGTCGGGGCTAAACCTGGGGGGTGCGGTTGAAACTGATTTACTA
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>OTU12146;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Rumi
nococcaceae(0.2184),g:Gemmiger(0.0181);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGAGGAAGAAGG
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>OTU12145;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Lachnospiraceae(0.1872),g:Clostridium_XlVa(0.0519);
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>OTU12151;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9726),o:"Bacteroidales"(0.8955),f:Bacteroidaceae(0.2864),g:Bacteroides(0.0808);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTAAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAATGC
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CGTAGGCGGGCGGTTAAGTCAGTTGTGAAAGTTAGGGGCTCAACCTTAAAATTGCAGTTGATACTGGCGGTCTTGAG
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>OTU12149;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Lachnospiraceae(0.2184),g:Eisenbergiella(0.0326);

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AGCCAGATGTGAAAACCCAGGGCTCAACCCTGGGACTGCATTTGGAACTGCCAGGCTGGAGTGCAGGAGAGGTAAG
CGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGAC
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>OTU12150;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Lach
nospiraceae(0.2184),g:Lachnospiracea_incertae_sedis(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACTCTGATGCAGCGATGCCGCGTGAGTGACTAAGTAT
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>OTU12152;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Euba
cteriaceae(0.0710),g:Eubacterium(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTA
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nococcaceae(0.3204),g:Ruminococcus(0.0904);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
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>OTU12155;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.8048),o:Clostridiales(0.5023),f:Rumi
nococcaceae(0.2184),g:Intestinimonas(0.0181);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGATCCAGCAACGCCGCGTGAAGGAAGAAGGC
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>OTU12153;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Rumi
nococcaceae(0.1485),g:Clostridium_III(0.0134);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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>OTU12157;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Rumi
nococcaceae(0.1485),g:Acetanaerobacterium(0.0157);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGGGAAGACGGT
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CAAGTTGAATGTCTAAACTATCGGCATAACTGATAGTCGCGTTCTAAACTATCACGCTTGAGTGCAGTAGAGGTAGGC
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nococcaceae(0.8505),g:Clostridium_IV(0.5720);
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>OTU12158;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Clost
ridiaceae_1(0.1872),g:Clostridium_sensu_stricto(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
CTTCGGGTTGTAAAGCTCTTTCTTCAGGGACGATAATGACGGTACCTGGGGAGTAAGCCCCGGCTAACTCCGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTTTTAA
GTGAGATGTGAAATACTCGAGCTCAACTCCAGAGTTGCCTTTAAAACTGGAGAGCTGTAATGCAGGAGAGGTGAAG
GGAATTCCGAGTGTAGAGGTGAAATTCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGGTTCTCTGGACTGTT
ACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTTGATACCCTGGTA

>OTU12159;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Clostridiaceae_4(0.0355),g:Thermotalea(0.0087);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGATGAAGGT
CTTCGGATTGTAAAGCTCTTTGATTAGGGACGAAGAAAGTGACGGTACCTAAAGAACAAGCCCCGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGTGTGTAGGCGGGCTC
GCAAGTTGGATGTGTAATACCCAGAGGTTAACTCGGGTGCTGCATCTGAAACTACGAGTCTTGAGTGTCGGAGAGGT
AAATGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGATTTACTGGAC
GATAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU12160;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Eubacteriaceae(0.2864),g:Eubacterium(0.0808);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGCA
TTTCGGTATGTAAACTCCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCTCGGCTAACTACGTGCCA
GAAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGCAAAGGGAGCGTAGACGGATGTGTAA
GTCTGATGTGAAAACCCGGGGCTCAACCCCGGACCTGCAGTGCGAACTAGGCGGCTAGAGTGTCTGAGAGGTAAGT
GGAATTCCATGTGTAGCGGTGAAATGCGTAGAGATATGGAGGAACACCAGTGGCGAAGGCAGCTTCCTGGTCTGTT
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>OTU12164;tax=d:Bacteria(0.0024),p:"Proteobacteria"(0.0000),c:Gammaproteobacteria(0.0000),o:Thiotrichales(0.0000),f:Francisellaceae(0.0000),g:Francisella(0.0000);

ACTCTCACGTTGGCTGACGACCGCTTCGAGGCGTTTTATGATAATCCCCATGCTTTGCGTGACTATTTTCGTGATCTTG
GTCGTCTGGTGCTTGCTGCCGAGGGTCGCAAGGCTAATGATTCACACGCCGACTGCTATCAGTATTTTTGTGTGCCTG
AGTATGGTACAGCTAATGGCCGTCTTCATTTCCATGCGGTGCACTTTATGCGGACACTTCCTACAGGTAGCGTTGACC
CTAATTTTGGTCGTCGGGTACGCAATCGCCGCAAGTTAAATAGCTTGCAAAATACGTGGCCTTATGGTGACAGTATGC
CCATCGCAGGTCGCGACACGAAGGACGCTTGTGCACGTTCTGGTTGGGTGGGGACTGTGGATGCTAAAGGTGAGCC
GCTTAAAGCTACCAGTTATATGGATGGTGGTTTCTATGTGGCTAAA

>OTU12162;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Ruminococcaceae(0.8505),g:Gemmiger(0.0712);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGGAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGG
TTTTCTGAGTGTAAACTCCTGTCGTTAGGGACGATAATGACGGTACCCAACAAGAAATCACCGGCTAACTACATGCCA
CCTGCCGCGGTACAACGTAGGGTGCAGCCGTAGTCCGGAATTACTGGGTATAAAGGGAGCGCAGGCGGACCGGCAA
GTTGGAAGTGAAATCTATGGGCTCAACCCAGAAATTGCTTTCAAAACTGCTGGACTTGAGTAGTGAAGAGGTAGGTG
GAATTCCCGGTGTAGCGGTGGAATGCGTAGATATCGGGCGGAACACCAGTGGCGAAGGCGACCTACTGGGCAGCAA
CTGACGCTGAGGCTCGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU12163;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9791),o:"Bacteroidales"(0.
9730),f:"Prevotellaceae"(0.9387),g:Prevotella(0.7162);
CCTTCCTTCCTCCTTTCGGCCTCTTTTTCCCTGGCCGGGCGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTA
TGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGACACGTGTGGCATATTGCAGGTACCCTATGAATAAGGACC
GGCTAATTCTGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCG
TAGGCCGTCTTATAAGCGTGTTGTGAAATGTCAAGGCTCAACCTGGGCATTGCAGCGAGAACTGTGAGACTTGAGTG
CGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAAATATGACGAAGAACTCCGATTGCGAAGGCAG
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>OTU12161;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Clost
ridiaceae_1(0.5273),g:Clostridium_sensu_stricto(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGC
TTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACTTGAGGATGAAGACACGGCTGATAACGTGCCA
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GGAATTCCGAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCGCTGGACTGTA
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>OTU12166;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:"Bacteroidia"(0.3483),o:"Bacteroidales"(0.
1483),f:"Porphyromonadaceae"(0.0252),g:Parabacteroides(0.0066);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGATGAAGGC
CCTACGGGTTGTAAACCTCTTTTATACGGGAATAAAGGGCGCCACGTGTGACGCATTGCATGTACCTTATGAATAAGC
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGT
GCGTAGGTGGCTTGTTAAGTCAGCGGTAAAAGTCAGTGGCTCAAACATTGAATTGCCGGTGAAACTGGCGAGATTGA
GGACGTAGGGGGCAGGGGAAATGCGGGGGGTAGGGGTGAAATGCATAGATATAACGAAGACCCCCAATGGCGAA
GGAAGCCAGAAAGGCCGTAACTAACACAGAGGCACGAAAGCGTGGGTATCGAGCAGGATTAGATACCTGGTA
>OTU12165;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9711),o:"Bacteroidales"(0.
8737),f:"Prevotellaceae"(0.7787),g:Prevotella(0.3915);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGAGGGGAGTCTGAACCAGCCAAGCCGCGTGCAGGATGAAGGC
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CATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATAAGGAGGGTTCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCTGACTGATAAGCGTGTGGTGAAATGTCGTGGCTCAACCTGGGCATTGCAGCGCGTACTGTGAGACTTG
AGTGCGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACAAAGAACACCGATTGCGAAG
GCAGCCTGCTGTAGCGCGACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU12167;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9168),c:"Bacteroidia"(0.5195),o:"Bacteroidales"(0.
2679),f:"Porphyromonadaceae"(0.1291),g:Barnesiella(0.0181);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAGCCAGCCAAGTCGCGTGAGGGATGACGGT
CCTACGGATTGTAAACCTCTTTTGTCGGGGAGTAACGTGCGGGACGCGTCCCGTATTTAGAGTACCCGACGAAAAAG
CATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGG
TGCGCAGGCGGCGCGCCAAGTCAGAGGGAAAAGTTAAGGGCTAAACCCGGTGTCGCCGTTAAAACTGGCGAGCTAG
AGAGTGAGAGAGGAAGGAGGGATGCGTAGTGTAGAGGTGAAATGCATAGATATGACGCAGAACTCCGATTGCGAA
GGCAGCTATCCAGCGCGCTACTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU12168;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Euba
cteriaceae(0.4914),g:Eubacterium(0.3043);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTC
TTTCGGTATGTAAACTTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCCAACTACGTGCCA
GCAGCCGCGGTACTACGCAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGTAA
GTCTGATGTGAAAACCCGGGGCTCAACGGCGGGGCTGCGTTGGGAACTGGGCGGCTAGAGTGTCGGAGAGGTAAG
TGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCGGTGGCGAAGGCGGCTTACGGGACGAT
GACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU12169;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Euba
cteriaceae(0.2864),g:Eubacterium(0.0808);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCATGAATGATGAAGTAT
TTCGGGATGTAAACTTCTATTAGCAGGGAAGAAGATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAG
CAGCCGCGGTAATACGGAGGGGGCAAGCGTTATTCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGATAAGCAA
GTCTAATGTGAAAACCCGGGGCTCAACCCTGGAAGTGCATTGAAAACTGTTAATCTGGAGTGTCGGAGGGGTAAGT
GGAATTCCTAGTGTAGAGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTA
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>OTU12170;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9180),o:"Bacteroidales"(0.
8303),f:"Porphyromonadaceae"(0.4563),g:Parabacteroides(0.1735);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAAGGATGAAGGT
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GCGTAGGTGGCTATGTAAGTCAAATGTGAAAGTTTGTGGCTCAACCATAAAATTGCCGTTAAAACTGGGGGGCTAGA
GAATGTTTGGGGCAGGCGGAATGTGTGGTGTAGAGGTGAAATGCATAAATATCACGCAGAACTCCGATGGCGAAGG
CAGCTTGCCAAGCCATAACTGACGCTGATGCGCGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA
>OTU12171;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Eubacteriaceae(0.2524),g:Eubacterium(0.0712);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGTAGCGACGCCGCGTGAAGGATGAAGTA
TTTCGGTATGTAAACTTCTATCAGCAGGGAAGAAGATGACGGTAACTGTCTAAGAAGCCCCGGCTAACTACGTGCCA
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AGCCAGACGTGAAAGCCCGGGGCTCAACCCCGAGACTGCAGTGGAAACTATGCGGCTAGAGTGTCGGAGAGGTAA
GTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGA
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>OTU12173;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8267),c:"Bacteroidia"(0.4045),o:"Bacteroidales"(0.1719),f:"Porphyromonadaceae"(0.0560),g:Barnesiella(0.0087);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGAAGAAGGT
CCTATGGATTTTAAACTTCTTTTGTCGGAGAGCAATAAGGGTCTCGTGAGATCCGATGAGAGTATCCGACGAATAAGC
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGT
GCGTAGGCGGTCCGGTAAGTCAGCCGTGAAAAGCCCCCGCTCAACGGGGGTCGTGCGTTGGAAACTGTTTATCTGG
AGTGCCGGAGGGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCATAGATATCACGCAGAACCCCGATCGCGAAG
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>OTU12174;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Clostridiaceae_1(0.4224),g:Clostridium_sensu_stricto(0.2171);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCTGCGTGAGGGATGAAGTA
TTTCGGATTGTAAACTTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAGGAAGCCACGGCTAACTACATGCCA
GCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAA
GTGAGATGTGAAATACACGGGCTCAACTCAGATGCTGCATTTCAAACTGGTAGTCTAGAGTGAAGGAGAGGAGAGC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGACTGTA
ACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU12175;tax=d:Bacteria(0.0024),p:"Proteobacteria"(0.0000),c:Deltaproteobacteria(0.0000),o:Desulfuromonadales(0.0000),f:Geobacteraceae(0.0000),g:Geobacter(0.0000);

TCAAATCGTTGTTATAGATATTCCCCTAACCCTGAACCAACTTCTTAGGGATTTTATTGGTCTCAGGGTTAATCGTGCC
AAGACAAGCGGCATGGTCAATATAACCAGTAGTGTTAACAGTCGGGAGAGGAGTGGCATTAACACCATCCTTCATGA
ACTTAATCCACTGTTCACCATAAACGTGACGATGAGGGACATAAAAAGTAAAAATGTCTACAGTAGAGTCAATAGCA
AGGCTACGACGCAATGGAGAAAGACGGAGAGCGCCAACGGCGTCCATCTCGAAGGAGTCGCCAGCGAGAAACGGA
GTAGTGGAAATGGTAATAAGACGACCGATCGGACCAGCAAGGAAGCCAAGATGGGA
>OTU12172;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Rumi
nococcaceae(0.1485),g:Subdoligranulum(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGG
GTTTCGGCTCGTAAACCTCTGTCCTATGGGACGAAGGAAGTGACGGTACCATAGGAGGAAGCCCCGGCTAACTACGT
GCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGCA
GGCAAGTCAGGCGTGAAATATATCGGCTCAACCGGTATCTGCGCTTGAAACTGCAGGTCTTGAGTAGTGCAGAGGTA
GGTGGAATTCCCGGTGTAGCGGTGGAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGACCTACTGGGC
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>OTU12176;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Rumi
nococcaceae(0.2184),g:Saccharofermentans(0.0204);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
CTTCGGATTGTAAACTTCTTTATCAGGGACGAATGAAGTGACGGTACCTGATGAATAAGCTACGGCTCACTACGTCCC
AGCAGCCGCGGTAATACGTAGGTGTCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGAATGCA
AGTCAGATGTGAAATCTATGGGCTTAACCCAGAAACTGCATTTGAAACTGCATTTCTTGAGTGTCGGAGAGGTAGAG
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACAAGGGGAGAAGGCGGTATACTGGACGAA
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>OTU12177;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.
8520),f:"Prevotellaceae"(0.3884),g:Prevotella(0.1735);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
CCTATGGGTTGTAAACTTCTTTTATAGGGGGATAAAGTGTGCCGCGTGTGGCATATTGCAGGTACCCTATGAATAAGG
ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCGGTCGTATAAGTGTGTTGTGAAATGTCGCGGCTCAACCTTGGAATTGCAGTTCATACTGTGTGTCTTGAG
TACAGAAGAGGCAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGC
AGCCTGCTGGACTGTAACTGACGCTGATGCTCGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU12178;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Euba
cteriaceae(0.4914),g:Eubacterium(0.3043);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTA
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CAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGAAGGCTGTGTAAG
TCTGATGTGAAAACCCGGGGCTCAACCCCGGGACTGCATTGGATACTATACGGCTAGAGTGTAGGAGAGGTAAGTG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCGGCTTACTGAACGATGA
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>OTU12180;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9966),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.
4652),f:Bacteroidaceae(0.1872),g:Bacteroides(0.0519);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
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AGAGGACAATAGAGGTGGGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATAGCACGAAGAACTCCGATTGCGA
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8520),f:"Prevotellaceae"(0.6350),g:Prevotella(0.3043);
ACGGGAGGCAGCAGTGAGGAATATTGCTCAATGGACGAGAGTCTGATCCAGCCAAGTCGCGTGCATGATGACGGCC
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CGTAGGCGGTCTTATAAGCGTGATGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGTGAGACTTGA
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nococcaceae(0.0560),g:Clostridium_III(0.0134);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCAGCGTGGAGGAAGAAGG
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GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAATGGCGAAGGCGGATTGCTGGACGATA
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>OTU12182;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Lach
nospiraceae(0.0355),g:Parasporobacterium(0.0066);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAGACCCTGATGCAGCGACGTCGCGTGACTGAAGAAGTA
TCTAGGGATGGAAAGGTCTATCAGCAAGGAAGAAAATGACGGTACTTGACTAAGAAGCTACGGCCAACTTGGTGCA
AGCAGCGGCGGTAATACGCAGGGGGCAACCGTTATACGGAGTTACTGGGTGTAAAGGGAGCGTAGGTGGTAAGGC

AAGCCAGAAGTGAAAGCCCGGTGCTCAACCACGCGTACTGCTTCTGGAAATGTCGAACTAGAGTGATGCAGGGGCA
GGCGGAATTCCTCGTGTAGCGGTGAAATGCGTCTATATTATGACGAACACCTGTGGCGAAGGCGGCTTGCTGGACTG
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GAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATAGGTAGGTGGCGAGCGTTATCCGGAATTATTGGGCGT
AAAGAGAGCGCAGGTGGTTGATTAAGTCGGATGTGAAAGCCTGTGGCTTAACCGTGGAGTGGCATTTGAAACTGGG
CGACTTGAGTACAGATGAGGGAAGTGGAATTCCAAGTGTAGCGGTGAAATGCGTAGAGATATGGAGGAACACCAGT
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GTA
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ACGGGAGGCAGCAGTAGGGAATATTGGGCAATGGGCGAAAGCCTGCCCGAGCAACGCCGCGTGAATGATGAAGGC
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AAAGCCACGGCTAACTACGTGCCAGCCGCCGCGGTAATACGTATGTGGCGAGAGTTATCCGGAATTATTGGTCGTAA
AGAGCGCGCAGGTGGTTGATTAAGTCTGATGTGAAAGCCCACGGCTTAACCGTGGAGTGGCATTGGAAACTGGTCG
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ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGAAGAAGGT
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ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGGACGATGAAGGC
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TACTTGAGTTGGTGAAGTGCAGCCAGAATTCCTGGTGTAGGGGTGAAATCTGTAGATATCAGGAAGAATATCAATGG
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5766),f:"Prevotellaceae"(0.3544),g:Prevotella(0.0808);

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ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGGGGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
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acillaceae(0.9015),g:Lactobacillus(0.5720);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGCGCAACACCTCGTGTCTGCAGAAGGTT
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CTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGC
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>OTU12189;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Clostridia(0.9755),o:Clostridiales(0.9389),f:Clost
ridiaceae_1(0.6350),g:Clostridium_sensu_stricto(0.4351);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGTCGCGTGAGTGATGACGGC
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CAGCCGTGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAAG
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GAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAATGGCGAAGGCGATTCTCTGGACTGTAA
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nospiraceae(0.5632),g:Clostridium_XlVa(0.3479);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTA
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GGAATTCCGAGTGTAGCGGGGAAATGCGTTGATATTAGGGGGAAAACCAGTGTGGAAGGCGGCCTGCTAGACGAT
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ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTC
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ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCCAAGCCGCGTGAAGGATGAAGTA
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TCCGATGTGAAAACCCGGGGCTCAACGCCGGGACTGCATTGGAAACTATGCGGCTAGAGTGTCGAAGAGGTAAGTG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATGA
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ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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GCGTAGGCCGGAGATTAAGCGTGTTGTGAAATGTAGGTGCGCAACATCTGCGCAGCAGGGCGAACTGGTTTCCTTGT
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>OTU12195;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Clostridiaceae_1(0.0149),g:Oxobacter(0.0066);

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nococcaceae(0.1291),g:Intestinimonas(0.0181);
ACGGGAGGCAGCAGTAGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCCACGCCGCGTGCAGGAAGACGGC
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CCAGCAGCCGCGGTAATACGTAGGCGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGCAG
CAAGTCAGAAGTGAAATCCATGGGCTTAACCCAGGAACTGCTTTTGAAACTGTTGGCCTTGAGTATAGGAGAGGCAG
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781),f:Erysipelotrichaceae(0.0252),g:Turicibacter(0.0076);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGATGAATGG
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3639),f:"Prevotellaceae"(0.0560),g:Prevotella(0.0134);
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GTGTATTCGATGTCAGCGGAATTTGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGC
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iales(0.7995),f:Sutterellaceae(0.5273),g:Parasutterella(0.3479);
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ostreptococcaceae(0.2864),g:Clostridium_XI(0.0808);
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nospiraceae(0.3544),g:Clostridium_XlVa(0.0808);
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nospiraceae(0.2184),g:Clostridium_XlVa(0.0519);
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5395),f:"Prevotellaceae"(0.2524),g:Alloprevotella(0.0230);
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ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGGC
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nospiraceae(0.1872),g:Clostridium_XlVa(0.0519);
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bacterales(0.7252),f:Helicobacteraceae(0.3884),g:Helicobacter(0.1299);
ACGGAAGGCAGCAGTAGGGAATAATGCTCAATGGGGGAAACCAAGAAGCAGCAACGCCGCGGGGAGGATGAAGG
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nospiraceae(0.1291),g:Coprococcus(0.0230);
ACGGGAGGCAGCAGTGCGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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nococcaceae(0.4914),g:Oscillibacter(0.0808);
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ridiaceae_1(0.3884),g:Clostridium_sensu_stricto(0.1735);
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nococcaceae(0.2184),g:Subdoligranulum(0.0230);
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8412),f:Bacteroidaceae(0.3884),g:Bacteroides(0.1735);
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rionales(0.0000),f:Desulfovibrionaceae(0.0000),g:Lawsonia(0.0000);
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es(0.0547),f:Anaplasmataceae(0.0149),g:Ehrlichia(0.0066);
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8737),f:Bacteroidaceae(0.5273),g:Bacteroides(0.3479);
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ridiaceae_1(0.4914),g:Clostridium_sensu_stricto(0.3043);
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8846),f:Bacteroidaceae(0.6350),g:Bacteroides(0.4787);
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1015),f:"Porphyromonadaceae"(0.0252),g:Barnesiella(0.0056);
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nococcaceae(0.2184),g:Ruminococcus(0.0519);
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1249),f:Bacteroidaceae(0.0457),g:Bacteroides(0.0110);
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nococcaceae(0.2184),g:Papillibacter(0.0230);
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nospiraceae(0.1679),g:Coprococcus(0.0326);
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>OTU12240;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9762),o:"Bacteroidales"(0.9497),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTCTGGGTTGTAAACTTCTTTTATAAAGGAATACATTCGGGTATGCATACCCGTTTGCATTTACTTTATGAATCCGGATCGTCTCACTCCGTGCCAGCAGCCGCGCTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGATGTTTAAGTCAGTTGTGAAAGTCTGCGGCTCAACCGTAGAATTGCAGTTGATACTGGATATCTTGAGTGCAGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCGTAGATATAACGAAGAACTCCGATTGCGAAGGCAGCCGGCTAAGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU12242;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:"Bacteroidia"(0.1740),o:"Bacteroidales"(0.0781),f:Marinilabiliaceae(0.0149),g:Mangroviflexus(0.0066);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGAAGGAAGAAGGTCCTATGGATTGTAAACTGCTTTTTTCGGGGAATAATAAGACTTTTGCGTAGGTGGTTGCAGGTACCCGATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATTCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGGGGTTAGATAAGTATGAGGTAAAATGCTTCTGCTCAACAGGAGATTGCATTGAAAACTGTCTGACTAGGATGTAGACGGCGCAGGCGGAATGAATCATGTAGCGGTGAAATGCATAGATATGATGCAGAACACCGATCGCGAAGGCAGCTTGCGAGGATACAATTGACGCTGAAGCACGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU12244;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9711),o:"Bacteroidales"(0.8737),f:Bacteroidaceae(0.4563),g:Bacteroides(0.2607);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGTCCTACGGATTGTAAACTTCTTTTATACGGGAATAAAACGCTCCACGTGTTCAGCCTTGTATGTAACTTATGAATAAGCATCGGCCAACTCCCTGCCAGCAGCCGCGGTAATACCGAGGATTCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGACGGGATATTAAGTCAGCTGTGAAAGTTTGCGGCTCAACCGTCAAATTGCAGTGGATACTGGCGTTCTTGAGTGCATTTGAGGTGTGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTAAGCTGTAACTGACGTTAATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU12241;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Lachnospiraceae(0.1291),g:Parasporobacterium(0.0204);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAATCCTGATGTAGCGACGCCTTGTGACTGAAGAAGTTTTTCGGTATGTAACGGTCTATCAGCAAGGAAGACAATGACGGTCCTTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGCAATACGTAGGTGGCAAGCGTTATCCGGATCTACTGGGTGTAAAGGGAGCGTAGGTGGTAAGGCAAGCCAGAAGTGAAAGCCCGGGGCTCAGCCCCGAGGACTGCTATTGGAACAGTCGAACGAGAGTGCAGGAGGGGCAAGCGGAATTCCTAGTGTAGCGGTGAAAGGCGTAGATATTAGGAGGAACACCAGAGGCGAAGGCGGGTTGCTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAAGAGGATTAGATACCCTGGAA

>OTU12243;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9726),o:"Bacteroidales"(0.8955),f:Bacteroidaceae(0.5632),g:Bacteroides(0.3915);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGTCCTACGGATTGTAAACTTCTTTTATAAGGGAATAAAACGCTCCACGTGTGGAGCCTTGTATGTACCTTATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGAATTATTGGGTTTAAAGGGTGCGTAGGCTGTTTGTTAAGTCAGGGGTGAAATACCGCAGCTCAACTGTGGAATTGCCTTTGATACTGGCGTTCTTGAGTGCAGTTGAGGTGTGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTAAACTGTAACTGACGTTCATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU12245;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Ruminococcaceae(0.1679),g:Oscillibacter(0.0181);

ACGGGAGGCAGCAGTGGGGAATATTGGTCAATGGGCGAAACCCTGACCCAGCAACGCCGCGTGCAGGAAGAAGGCTTTCGGGTTTTAAACTTCTTTTACTATGGACGAAGAAAGTGACGGTACCTGGATAAAATGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGATTCAAGTCAGATGTGAAATCTCAGGGCTTAACCCTGAAACTGCATTGGAAACTGAATACCTTGAGTATCGGAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCGGTTGCGAAGGCGGCCTGCAGGGCGACAACTGACGCTAAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU12246;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9776),o:Clostridiales(0.9685),f:Ruminococcaceae(0.9201),g:Gemmiger(0.1299);

ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGAGGAAGAAGATTTTCGGATTGTAAACTCCTGTCGTTAGGGACGATAATGACGGTACCTAACAAGAAAGCACCGGCTAAATACGTGCCAGCGGCCGCGGTAAAACGTCGGGTGCAAGAGTTGTCCGGAATTACTGGGTGTAAAGGGAGAGCAGGCGGACCGGCAAGTTGGAAGGGAAATCTATGGGCTCAACCCAGAAATTGCTTGCAAAACGGCTGGCCTTGAGTAGTGCAGAGGTAGGTGGAAGACCCGGTGTAGCGGTGGAATGCGAAGATATCGGGAGGAAAACCAGTGGCGAAGGCGACCTACTGGGCACCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU12247;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.5174),c:Flavobacteriia(0.0626),o:"Flavobacteriales"(0.0413),f:Flavobacteriaceae(0.0099),g:Kordia(0.0046);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATGCCGCGTGAAGGACTAAGGCCCTATGGGCGGTAAACTTCTTTAGAAGCAGAGCAATAAGGGCAACGCGTGGTTGGATGAGAGAAGGCGTAGAATAAGCATCGGCTAACTCCGAGACAGCAGCGGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCAGTGGGTTTAAAGGGTGCGTAGGCGGCTTTGCAAGTCAGAGGTGAAAGCCCCGGGCTCCACCCCGAAACTGCCTTTGATACTGTCAGGCTGGAATGCCGATGCTGTGGGAGGAATTCGTTGTGTAGCGGTGAAATGCATAGATATCACTCAGAACACCGATTGCGAAGGCATCTCACAAATCCGCAATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU12248;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Bacilli(0.9856),o:Lactobacillales(0.9172),f:Lactobacillaceae(0.7787),g:Lactobacillus(0.3043);
ACGGGAGGCAGCAGTAGGGAATCTTCAAAAATGGGCGCAAGACTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGACTAGTAAAGCTCTGTTGTTGGAAAAGAACGTGCGTGAGAGTAACTGTTCAAGCAGTGACGGTATCAAACCAGAAAGTCACGGCTAACTAAGTGCCAGCAGCAGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAACGCAGGCGGTTGCTTAGTTCTGCTGTGAAAGCCTTCGGCTTAACCGAAGTAGTGCAGCGGAAACCGGGCACCTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGCAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTTCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU12249;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9992),c:Gammaproteobacteria(0.9719),o:"Enterobacteriales"(0.7623),f:Enterobacteriaceae(0.5632),g:Escherichia/Shigella(0.1299);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGGAGCCATGCCGCGTGTATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTCAGGGGGGAGGAAGGGAGTAAAGTTAATATGTTTGCTCATTGACGTTACTCGCAGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGCTAGCAGGCGGTTTGTCAAGTCCGATGTGAAATCCCCGAGCTTAACCTGGGGACTGCCTCTGGAACTGGCAGGCTTGAGTTTCGTAGGGGGGAGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGATGGCGAAGGCAGGCCCCTGGACGAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU12250;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Ruminococcaceae(0.3884),g:Oscillibacter(0.0423);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGATCCAGCAACGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGTAAACTTCTTTTGTCAGGGACGAGTAGAAGACGGTACCTGACGAATCAGCCACGGCTAACTACGTGTCAGCAGCCGCGGTAACACGTTGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGAGGGCAAGTCAGATGTGAAATCCACGGGCTCAACGCGTGAACTGCATTTGAAACGGCTCATCTTGAGTATCGGAGAGGCGATC

GGAATTCCTGGGGTAGCGGTGAAATGCGTAGATATGAGGAGGAACACCAGTGGCGAAGGCGGATTGCGGGACGAC
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>OTU12252;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9867),c:Epsilonproteobacteria(0.9726),o:Campylo
bacterales(0.8629),f:Helicobacteraceae(0.6350),g:Helicobacter(0.1735);
ACGGGAGGCAGCAGTAGGGAATATTGCTCAATGGGGGAAACCCTGAAGCAGCAAAGCCGCGTGGAGGATGAAGGT
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>OTU12251;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Clost
ridiaceae_1(0.5991),g:Clostridium_sensu_stricto(0.4351);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCCACGCCGCGTGAGCGATGAAGGT
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GGAATTCATAGTGTAGCGGTGAAATGCGTAGAGATTATGACGAACACCAGTGGCGAAGGCGACGCTCTGGACTGTA
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nococcaceae(0.0000),g:Clostridium_IV(0.0000);
GCCGCCATTAATAATGTTTTCCGTCCCTTCAGCGCCTTCCATGCTGAGACAGGCCGTTTGAATGTTGACGGGATGAAC
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AAATCATCTTCGGTTAAATCCAAAACGGCAGAAGCCTGAATGAGCTTAATAGAGGCCAAAGCGGTCTGGAAACGTAC
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>OTU12253;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Rumi
nococcaceae(0.1098),g:Clostridium_III(0.0134);
ACGGGAGGCAGCAGGGGGGGATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGG
CCCTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGGACGTGACGGTACCTGGAGAAAAAGCAACGGCTAACTACGT
GCCAGCAGCCGCGGTAATACGTAGGTTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGCT
GCAAGTCAGATGTGAAATCCTGGGGCTTAACCCCGGAACTGCATTTGAAACTGTAGACCTTGAGTATCGGAGAGGCA
AGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACAAGTGGCGAAGGCGGCTCTACGCACT
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>OTU12254;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9474),c:Alphaproteobacteria(0.8331),o:Rhodospirillales(0.6138),f:Rhodospirillaceae(0.3544),g:Rhodocista(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTATTTCGGTATGTAAACTTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTTCGTGCCAGCAGCCGCGGTAATACGAAGGGGGCTAGCGTTGTTCGGAATCACTGGGCGTAAAGGGCGCGTAGGCGGCCACCCAAGTCAGGCGTGAAAGCCCCGGGCTCAACCTGGGAACCGCGCTTGAGACTGGTTGGCTCGAGTTCCGGAGAGGTGGGTGGAATTCCCAGTGTAGAGGTGAAATTCGTAGATATTGGGAAGAACACCGGTGGCGAAGGCGGCCCACTGGACGGACACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
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AGCCATACCGCTGATTCTGCGTTTGCTGATGACCTAAGTCAACCTCAGCACTAACCTTGCGTGTCTTTTCTTTGATTTGGTCTTTGGTAACATTCTGACCAGCCGCTTGAGCTTGAGTGAGCATTTGGCGCATAATCTCGGAAACCTGCTGTTGCTTGGAAAGATTGGTGTTTTCCATAATAGACGAAACGCGAGCAGTAGACTCCTTCTGTTGATAAGCAAGCATCTCATTTTGTGCATATACCTGGTCTTTCGTATGCTGGCGTGAAGTCGCCGACTGAATGCCAGCAATCTATTGTTGAGTCTCATTTTGCATCTCGGCAATCTCGTTCTGATTGTCCAGTGGCATTTTAGTAAGCTCTTTTTGATTCTCAAA
>OTU12257;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9769),o:Clostridiales(0.9606),f:Clostridiaceae_1(0.7068),g:Clostridium_sensu_stricto(0.4787);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGCAAAGTCCTGTCTTCAGTGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGACGTAAAGGGAGCGTAGGCGGACTTTTACGTGAGATGTGAAATACCCGGGCTCAACTTGGATGCTGCATATCAAACTGGAAGTCTGGAGTGCAGGAGAGGAGAATGGAATTCCTGGTGTGGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTAGCTGACGCTGAGGCTCGAAGGCGTGAGGAGCAAACAGGATTAGATACCCTGGTG
>OTU12256;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9988),c:Gammaproteobacteria(0.9747),o:"Enterobacteriales"(0.8303),f:Enterobacteriaceae(0.6350),g:Escherichia/Shigella(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGTGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAATGTTAATATCTTTACTCATTGCCGTTACCCGCCGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGACGGGTGCAAGCGGTAATCGGAATTACTGGGCGTAAAGCGCACGCAGGCGGTTTGTCAAGTCAGATGTGAAATGCCCGGGCTTAACCTGGGAACTGCTTCTGATACTGGCAAGCTTGAGTCTCGGAGAGGGGAGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATTTGGAGGAATACCGGTGGCGAAGGCGGCCCACTGGACGAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU12259;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Rumi
nococcaceae(0.2524),g:Clostridium_IV(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCAGCGTGAAGGAAGAAGGT
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CAGAAGCCACGGTAATCCGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGGATGC
AAGTCAGATGTGAAATCTATGGGCTTAACCCATAAACTCCATTTGAAACTGTATCTTTTGAGTGCTGGAGAGGTAGAT
GGAATTACGTGTGTAGCGGTGAATGCGTAGATATAAGGAAGAACACCAGTGGCGAAGGCGAGCTACTGGACAGTAA
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nococcaceae(0.1872),g:Papillibacter(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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(0.0000),f:Cellulomonadaceae(0.0000),g:Oerskovia(0.0000);
GACCAAGCGCAAGAGTAACCATAGTGCCATGCTCAGGAACAACGAAACGCGGCACAGACTGTTTATCGGTCTGTTGA
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bacteriales"(0.8846),f:Enterobacteriaceae(0.8146),g:Escherichia/Shigella(0.3915);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATTCAGCCATGCCGCGTGTATGAATAAGGCC
TTCGTGTTGTAAAGTACTTTCAGCGGGGATGAAGGGAGTAAAGTTAATACCTTTGCTCATTGACGTTACCCGCATACG
ACGCCCCGGCTAACTCCGTGCCAGCAGCCGCTGTAATTCGGCTGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAA
GCGCACGCAGGCGGTTTGTTAAGTCAGATGTGCAATCCCCGGGCTCAACCTGGGAACTGCATCTGATACTGGCAAGC
GTGAGTCTCGTAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGGC
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>OTU12261;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.5195),o:Clostridiales(0.2359),f:Rumi
nococcaceae(0.0904),g:Clostridium_IV(0.0157);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGAAGAAGGT
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>OTU12264;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Rumi
nococcaceae(0.3884),g:Oscillibacter(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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>OTU12265;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Clost
ridiaceae_1(0.3544),g:Clostridium_sensu_stricto(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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>OTU12266;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Rumi
nococcaceae(0.3544),g:Ruminococcus(0.0904);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGT
TTTCGGAATGTAAAGTTCTTTCATCAAGGACGAAGAAGTGACGGTACTTAACGAATAAGCACCGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGTAGAGC
AAGTCAGATGTGAAAGCCGGGGGCTTAACCCACGTACTGCAGTTGAAACTGTTTTGCTAGAGTGAAGTAGAGGCAA
GCGGAATTCCCTGTGTAGCGGTGAAATGCGTAGAGATAAGGAGGAACACCAGTGGCGAAGGCGGCCACCTGGACG
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>OTU12268;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9604),o:Clostridiales(0.8520),f:Peptostreptococcaceae(0.3204),g:Clostridium_XI(0.0904);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCCGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGTTCTTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCGAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGGTAGCGTTATCCGGAATTACTGGGCGTAAATGGTGCGTAGGTGGTTTCTTAAGTCAGAGGTGAAAGGCTACGGCTCAACAGTAGTAAGCCTTTGAAAATGGGAAAGTTGAGTGCAGGTGAGGCGAGTGGAATTCCTAATGTAGCGGTGAAATGCGTAGATATTAGTAGGAAAACCAGTTGCGAAAGCGGCTCTCTGGAGTGTAACTGACACTGAGACACGAAAGCGTGGGGAGCAAACAGGGTTAGATACCCTGGTA
>OTU12267;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Peptococcaceae_1(0.1485),g:Peptococcus(0.0326);
ACGGGAGGCAGCAGTGGGGAATCTTCCGCAATGGGCGAAAGCCCGACGGAGCAATGCCGCGTGAGTGAAGAAGGCCTTCGGGTTGTAAAGCTCTATCCTTGTCCAAGAGAGCAGAGTATAGTAACTGATAGTCTGAGGACGGTAGACAAGAAGGAAGCCCCGGCTAACTATGTGCCAGCAGCTGCGGTAAAACATAGGGGGCAAGCGTTGTCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGTTAATTAAGTTGGATGTGAAATTCCCGGGCTTAACTTGGGAGCTGCATTCAAAACTGGTTAACTAGAGTTCAGGAGAGGGAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU12270;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Ruminococcaceae(0.4563),g:Ruminococcus(0.1735);
ACGGGAGGCAGAAGTGGGGGATATTGCGCAATGGGGGCAACCCGGACGCAGCAACGCCGCGTGAAAGATGAAGGTCTGCGGATTGTAAAGTTCTTTTATTAAGGACGAAGAAGTGACGGTACTTAATGAATAAGCTCCGGCTAACTACGTGCAAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCAGAGCAAGTCAGATGTGAAATCCGTGGGCTTAACCCACGACCTGCCTTTGAAACTGTTTTGCTTGAGTGAAGTAGAGGCAGGCGGAATTCCCTGTGTATCTGTGAAATGCGTAGAGATAGGTCGGAACACCAGTGGCGAAGTCGGCCTGCTAGGCTTTAACTGACGCTTAGTCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU12271;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Clostridiales_Incertae_Sedis_XIII(0.2864),g:Mogibacterium(0.0808);
ACGGGAGGCAGCAGTAGGGAATCTTGCACAATGGGCGAGAGCCTGATGCAGCAACGCCGCGTGAAGGATGAAGGCCTTCGGGTTGTAAACTTCTGTTCTTAGGGAAGAAGAAAGTGACGGTACCTAAGGAGAAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGCAATACGGAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTGCGTAGGTGGTTATCTAAGCGTAAGGTTTATGCGTGCAGATCAACTGCATCTCGCCTTGCGAACTGGACTACTTGAGTGCAGGAGGAGAAATCAGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGCGGCGAAAGCGGCTTTCTGGTCTGTAACTGACGCTGAGACTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU12269;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Rumi
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ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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bacteriales"(0.7995),f:Enterobacteriaceae(0.5991),g:Escherichia/Shigella(0.1735);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
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>OTU12273;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9769),o:Clostridiales(0.9606),f:Clost
ridiaceae_1(0.6709),g:Clostridium_sensu_stricto(0.4351);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGTA
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>OTU12274;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Bacilli(0.9776),o:Lactobacillales(0.9172),f:Lactob
acillaceae(0.8146),g:Lactobacillus(0.6681);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGTAGCAACGCCGCGTGAGTGAAGAAGGG
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CAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTCGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAA
AGCGAGTGCATGCGGTTCAATAAGTCTGATGTCAAAGCCGTCGGCTCAACCGGAGAATTACATCAGAAACTGTTGAA
CTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGAAAGAACACCAGTGAC
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>OTU12277;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:Sphingobacteriia(0.4045),o:"Sphingobacteriales"(0.1719),f:Sphingobacteriaceae(0.0710),g:Olivibacter(0.0134);
ACGGGAGGCAGCAGTAAGGGATATTGGTCAATGGGCGGGAGCCTGAACCAGCCATGCCGCGTGAGGGAATGAGGCCCTACGGGTCGTAAACCTCTTTTGCCGGGGGATAACGGGCGCCACGCGTGGCACCGTGAAGGTACCCGGAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGCAGTCTAAGTCGGAGGGGAAAGTTCCGGGCTCAACCGGGTCAGTGCCTAGGAAACTGGGGGCCTTGAATGCTGGCGAGGCCGGCGGAATGTGGCGTGTAGCGGTGAAATGCATAGATATGACACAGAACACCGATAGCGAAGGCAGCTGGCCGGGGCTGCATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU12276;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Peptostreptococcaceae(0.2864),g:Clostridium_XI(0.0808);
ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGAAGGATGAAGGCCTTCGGGCTGTAAAATTCTGTTATAGGGGAAGAAGGGCTCTAGGAGGAAATGGCTAGAGTGTGACGGTACCTTGTGAGAGAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTGGGGGGCTATCGTTATCCGGATTTACTGGGCGTAGAGGGTGCGTAGGTGGCTTCTTAAGTCAGGAGTGAAAGGCTACGGCTCAAGCGTAGTAAGCTCTTGAAACTGGGAAACTTGAGTGCAGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTAGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU12275;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Ruminococcaceae(0.1485),g:Clostridium_III(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGGGTAATGGGGGAAACCCTGACCCAGCAATGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGTAAACTTCTTTTACCAGGGACGAGGGCCGTGACGGTAACTGGAGAAAAAGCAACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCTGAGATGCAAGTCAGGAGTGAAATCCCGGGGCTCAACCCCGGAACTGCTTTTGAAACTGTAGTCCTTGAGTGTCGGAGAGGCCGGGAGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACCATAACTGACGCTTAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU12279;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.9606),f:"Prevotellaceae"(0.9201),g:Prevotella(0.5720);
ACGGAAGGCAGCAGTGAGGAAGATTGGTCAATGGACGGGAGTCTGAACCGGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACTTGTGGCATATTGCAGGTACCCTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTAGCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTTATAAGCGAGTTGTTAAATGTCGAGGCTCAACGTGGGCATTGCAGCGCGAACGGTGAGACGTGAGTTCGTAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGGAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU12280;tax=d:Bacteria(0.0024),p:"Verrucomicrobia"(0.0000),c:Spartobacteria(0.0000),g:Spartobacteria_genera_incertae_sedis(0.0000);

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>OTU12278;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Clostridiaceae_1(0.1291),g:Caloramator(0.0230);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGCTTTCGGGTTGTAAACCTCTTTCCTTGGGGACGAAGGACGTGACGGTAGCCAAGGAGTAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGTGATTTAAGTTGGATGTGAAATCCACGGGCTTAACTCGGGAACTGCATTCGATACTGGGTGACTAGAGTGCAGGAGAGGGAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATAAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU12282;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:"Bacteroidia"(0.1740),o:"Bacteroidales"(0.0781),f:"Porphyromonadaceae"(0.0252),g:Parabacteroides(0.0076);

ACGTGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGCCCTACGGGTCGTAAACTTCTTTAGACGAAGAGCAAAAAGGTCCACGCGTGGACCGATGAGAGTATGCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCGGCCGAGTAAGTCAGCAGTGAAAGTTCGGGGCTCAACCCTGGAAGTGCAGTTGATACTGTTAGTCTGGAGTGCAGCCGCGGCAGGAGGAATTAGTGGTGTAGCGGTGAAATGCATAGATATCACGAAGAACACCGATTGCGAAGGCAGCTCGCGAGACTTCCACTGACGCTGAGGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU12281;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Lachnospiraceae(0.0252),g:Clostridium_XlVa(0.0076);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCCACGCCGCGTGACTGAAGAAGTCTTTCGGTTTGTAAAGGTCTATCAGCAAAGAAGAAAATGACGGTACTTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAGGGGGCGAGCGTTGTTCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCTTGGTAAGTCTGGAGTGAAAGTCCTGCGTTTAAGGTGGGAATTGCTTTTGATACTGCTGGGCTCGAGTGTAGGAGAGGATAGCGGAATTCCTGGTGTAGCGGTGAAATGCGTAAATATTGGGAGGAACACCAGTGGCGAAGGCGTCTTTCTGGTCTGAATCTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU12283;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Rumi
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ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGCAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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nococcaceae(0.3544),g:Oscillibacter(0.0326);
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>OTU12288;tax=d:Bacteria(0.0058),p:"Bacteroidetes"(0.0000),c:Cytophagia(0.0000),o:Cytophagales(0.000
0),f:Cytophagaceae(0.0000),g:Dyadobacter(0.0000);
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nadales(0.9063),f:Succinivibrionaceae(0.8864),g:Succinivibrio(0.6200);
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CGGTTATATCCAAAACGGCAGCAGCCTGAATGCGCTTAATAGCGGCCAAAGCGGTCTGGCACCGTACGGATTGTTCCGTAACTTGACTCATGATTTCTTACCTATTAGTGGTTGAACAGCATCGGACTCAGATAGTAATCCACGCTCTTTTAAAATGTCAACAAGAGAATCTCTACCATGAACAAAATGTGACTCATATCTAAACCAGTCCTTGACGAACGTGCCAAGCATATTAAGCCACTTCTCCTCATCCAACGCGTCAGTTTTTGACAGAATCGTTAGTTGATGGCGAAAGGGCGCAAAGGAAGAGCTTCTCGAGCGGCGCAAGGATAGGTCGAATGTTCGCAGGGTCCGCCAGCAGTCCACTT
>OTU12287;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9762),o:Clostridiales(0.9497),f:Ruminococcaceae(0.9015),g:Gemmiger(0.2171);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGGGGAAGAAGGATTTCGGATTGTAAACTCCTGTCGGTAGGGACGATAATGACGGTACCTAACAAGAAAGCACCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGAGCGGCAAGTTAGAAGTGAAATCTATGGGCTCAACCCCGAGATTGCTTTTGAAACTGCTTTCCTTGAGTAGTGCAGAGGTAGGTGGAATTCCCGGTGTAGCGGTGGAATGCGTAGATATCAGGAGGAACACCAGTGGCGAAGGCGACCTACTGGGCACCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU12290;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Ruminococcaceae(0.1872),g:Saccharofermentans(0.0134);
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>OTU12289;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Clostridiaceae_1(0.1098),g:Caloramator(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTTGACGGAGAAAAAAATGATGGTATCCGTTTAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGGAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGTACCTTAAGTTGGATGTGAAATACCCGGGCTTAACTTGGGGGGTGCATCCAATACTGGGGAACTAGAGTGCAGGAGAGGGAAGCGGAATTCCTAGTATAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTTCTGGACTGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU12291;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9740),o:Clostridiales(0.9063),f:Clostridiaceae_1(0.5632),g:Clostridium_sensu_stricto(0.3915);

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GAGCTTAGGCCGTCTGTTAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGGCAGACTT
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>OTU12295;tax=d:Bacteria(0.7941),p:"Bacteroidetes"(0.1905),c:Sphingobacteriia(0.0224),o:"Sphingobacteriales"(0.0170),f:Sphingobacteriaceae(0.0046),g:Parapedobacter(0.0032);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGAGTGCGGGAAGGAGGC
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>OTU12293;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Lachnospiraceae(0.7428),g:Dorea(0.5239);
ACGGGAGGCAGCAGTGCGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCCCGTGAAGGATGAAGTAC
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GGTA

>OTU12296;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Rumi
nococcaceae(0.2864),g:Oscillibacter(0.0204);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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(0.0000),f:Micrococcaceae(0.0000),g:Kocuria(0.0000);

GGGATCGTTTGTGAGCGCAGTGGTGTTGAGGTCACAGAGAGTCGGGTGAGACGTCACCGCATGGGCTTTATCAAGT
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GTCGTTGGAATTGGTGCCGAGGCGCTGAAGCAGCTGCTTGAGGATCTCGAACTCAATGCTGTTGCTGAACAATTACG
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13),f:Veillonellaceae(0.0099),g:Selenomonas(0.0046);

ACTTTCTTCCTCCTTTTTTCCTCTTTTTCCCTTTTCTCCCTCCTTCCCCCTCCACTCCTCTTGATTTAAGAAGGTTTTCGGAT
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llales(0.0000),f:Legionellaceae(0.0000),g:Legionella(0.0000);

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nospiraceae(0.0099),g:Clostridium_XlVa(0.0046);
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acillaceae(0.8864),g:Lactobacillus(0.5720);
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9280),f:"Prevotellaceae"(0.8146),g:Prevotella(0.4787);
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nococcaceae(0.1098),g:Pseudoflavonifractor(0.0157);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGACGCAAGTCTGACCCAGCGACGCCGCGTGAAGGAAGAAGGT
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1483),f:"Marinilabiaceae"(0.0560),g:Anaerophaga(0.0134);
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acillaceae(0.0000),g:Lactobacillus(0.0000);
CCCTCTGAATGCAATGACGAACACCACCATTACCAGCATTAACCGTCCCACTATCACAATATAACGTTGACGATGTCGC
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0),f:Cytophagaceae(0.0000),g:Dyadobacter(0.0000);
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8629),f:"Porphyromonadaceae"(0.7068),g:Parabacteroides(0.5720);
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9685),f:"Prevotellaceae"(0.9015),g:Prevotella(0.6200);
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nadales(0.8303),f:Succinivibrionaceae(0.6350),g:Succinivibrio(0.2607);
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2039),f:"Marinilabiaceae"(0.0904),g:Anaerophaga(0.0181);
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_IV(0.0252),g:GpIV(0.0076);
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4280),f:"Prevotellaceae"(0.1291),g:Prevotella(0.0181);
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4280),f:"Porphyromonadaceae"(0.1291),g:Parabacteroides(0.0157);
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nococcaceae(0.1872),g:Clostridium_III(0.0230);
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0352),f:Prolixibacteraceae(0.0086),g:Prolixibacter(0.0043);
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acillaceae(0.7428),g:Lactobacillus(0.4787);
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3959),f:Bacteroidaceae(0.2184),g:Bacteroides(0.0615);
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es(0.4652),f:Phyllobacteriaceae(0.2864),g:Nitratireductor(0.0808);
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9685),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);
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nococcaceae(0.0710),g:Ruminococcus(0.0157);
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8737),f:"Prevotellaceae"(0.3544),g:Prevotella(0.1299);
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(0.9934),f:Streptomycetaceae(0.9573),g:Streptomyces(0.9085);
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5766),f:Bacteroidaceae(0.3204),g:Bacteroides(0.0904);
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riales"(0.2039),f:Sphingobacteriaceae(0.0904),g:Olivibacter(0.0134);
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1483),f:"Porphyromonadaceae"(0.0457),g:Barnesiella(0.0110);
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4652),f:"Prevotellaceae"(0.1098),g:Prevotella(0.0204);
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nales"(0.0000),f:Vibrionaceae(0.0000),g:Vibrio(0.0000);
GCCGCCCGTTCCATAGCTTGCCACATCCGTGGCCTTCTGGTTCCAGTCTGCCCATCGCCGTTCGCTACACGCAGGACGC
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>OTU12403;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Lachnospiraceae(0.1872),g:Ruminococcus2(0.0326);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGTAAGCCTGATGCTGCGACGCCGCGTGAGCGAAGAATTATCTCTGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGTCTAAGATTCCCCGGCTCACTACGTGCCAGCCGCCGCGGTTCTACGTCGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAGAGGCAAGTCTGATGTGAAAACCCGGGGCTCAACCCCGGGAGTGCATTGGAAACTGTTTATCTGGAGTGAGGGAGGGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGGTATTAGGAGGAACACCAGTGGAGAAGGCGGCTGACGGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU12406;tax=d:Archaea(0.0041),p:Parvarchaeota(0.0000),g:Candidatus_Parvarchaeum(0.0000);

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>OTU12405;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8897),o:"Bacteroidales"(0.7623),f:Bacteroidaceae(0.3544),g:Bacteroides(0.1299);

CCTTTCTTCCTCCTTCCTTTCTCTTTTTCCCTTGGCGGCAGCCTGAACCAGCCATGCCGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTGTACGGGAATAGCACGCGGCACGTGTGCCGCTCTGCATGTACCGTATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGACGGATCCTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGGGACCTTGAGAGCGGCAGAGGCAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTTGCTGGACCGTAACTGACGTTGATGCGCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU12407;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9966),c:Gammaproteobacteria(0.9740),o:"Enterobacteriales"(0.7995),f:Enterobacteriaceae(0.5991),g:Escherichia/Shigella(0.1735);

ACGGAAGGCAGCAGTGGGGAATCTTGCACAATGGGCGCAAGTCTGATGCAGCCATGCCGCGTGTACGAAGAAGGCCTTCGGGTCGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTACAGTTAATACCTTTGCCCATTGACGTTACTTGCAGAAGAAGCACCGGCTACCACCGTGCCAGCAGCCGCGGTAAAACGGAGGGGGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGCACGCAGGCGGTTTGTTAAGTCAGATGTGAAATCCCCGGGCTCAACCGGGGAGCGTCATCTGAGACTGGCAAGCTTGAGTCTCGTAGAGGAAAGTGGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGGCGAAGGCGGCCCCCTGGACGAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU12410;tax=d:Bacteria(0.9073),p:"Bacteroidetes"(0.2586),c:"Bacteroidia"(0.0425),o:"Bacteroidales"(0.0291),f:"Marinilabiaceae"(0.0073),g:Anaerophaga(0.0039);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGAAGTCCGAACCAGCCATGCCGCGTGAAGGAATAAGGCCCTATGGGTCTTAAACTTCTTTTGCGGTGGAGCAATAAGACCTACGCGTAGGTCGATGAGAGTACATCACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATTCGGAGGATGCAAGCGTTATGCGGAATTATTGGGTTTTAAGGGTGCGTAGGCTGTTTTGCAAGTCAGGGGTGAAAGCCCGGAGCTCAACGCCGGAACTGCCTTTTATACTGCGAGGCTGGAGTACGGATGACGTGGGAGGAATGATGAGTGTAGCGGTGAAATGCATAGATATGATTCAGAACACCGATTGCGAAGGCATCTCACGAATCCGTCATTGACGCGGGGGCACGAAAGCGTGGGGGTCAAACAGGATTAGGTACCCTGGTA

>OTU12409;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:Sphingobacteriia(0.1740),o:"Sphingobacteriales"(0.0781),f:Sphingobacteriaceae(0.0252),g:Parapedobacter(0.0076);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGCAGCGTGAAGGAAGAAGGCCCTATGGGTCGTAAACTTCTTTTGTAGCGGAGTAAAAAGGGTCACGAGTGACCCGATGAGATTACGAGACGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCTGTTCTGCAAGTCAGTGGTGAAAGCCCGGGGCTCAACCCCGGGCCTGCAGTTGATACTGCGGGGCTTGAGTACGGATGACGTAGGAGGAATGCGTAGTGTAGCGGTGAAATGCATAGATATTACTCAGAACCCCGATTGCGTAGGCATCTCACCAATCCGTTATTGACGCTGAGGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU12411;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9892),o:Lactobacillales(0.9497),f:Lactobacillaceae(0.9108),g:Lactobacillus(0.8124);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCCGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAGAACGTCACGGCTAACTATGTGCCAGCAGCCGCGGTACTAAGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAATCGAGCGCAGGCGGAAAAATAAGTCTAATGGGAAAGCCCTCGGCCTAACCGAGGAAATGCATCGGAAAATGGTTTTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGGGTAGCGGTGGAATGCGTAGGTATATGGAAGAACACCAGTGGCGAAGGCGGCTCTATGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATAACCTGGTA

>OTU12408;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Ruminococcaceae(0.1485),g:Hydrogenoanaerobacterium(0.0157);

ACGGAAGGCAGCAGTGGGGGATATTGGTCAATGGGGGAAACCCTGAACCAGCGACGCCGCGTGGGGGAAGAAGGTCGTTAGATTGTAAACCTCTGTCGTTAGGGAAGAAAATGACGGTACCTAACAAGGAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCAAGCGTTATCCGGAATCACTGGGTGTAAAGGGAGTGTAGGCGGGAAAGCAAGTTGAATGTGAAATCTATCGGCTCAACCGGTAGGCTGCGTTCAAAACTGTTTTTCTTGAGTGAAGTAGAGGCAGGCAGAATTCCTAGTGTAGCGGTGAAATGCGCAGATATTAGGAGGAATACCGGTGGCGAAGGCGGCCTGCTGGGCTTTTACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU12414;tax=d:Bacteria(0.0024),p:"Acidobacteria"(0.0000),c:Acidobacteria_Gp3(0.0000),g:Gp3(0.0000);
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CGGCGCTTTAAAATAGTTGTTATAGATATTCAAATAACCCTGAAACAAATGCTTAGGGATTTTATTGGTATCAGGGTT
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>OTU12412;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Rumi
nococcaceae(0.1679),g:Pseudoflavonifractor(0.0157);
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_II(0.0000),g:GpIIa(0.0000);
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nococcaceae(0.1485),g:Papillibacter(0.0157);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGCAGGAAGAAGGC
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ostreptococcaceae(0.0904),g:Clostridium_XI(0.0181);
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riales"(0.1483),f:Sphingobacteriaceae(0.0560),g:Parapedobacter(0.0087);
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iales(0.9280),f:Sutterellaceae(0.8864),g:Sutterella(0.7643);
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nococcaceae(0.2524),g:Papillibacter(0.0326);
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ACTTTATTCCTCATTTGTTACTATTGGGCAATGGGCGAAATCCTGACCCAGCGACGCCGCGTGAGGGAAGACGGTCTT
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riales"(0.0291),f:Sphingobacteriaceae(0.0073),g:Sphingobacterium(0.0039);
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nospiraceae(0.1679),g:Lachnospiracea_incertae_sedis(0.0230);
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nospiraceae(0.1098),g:Blautia(0.0204);
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,f:Synergistaceae(0.0099),g:Dethiosulfovibrio(0.0046);
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riales"(0.1249),f:Sphingobacteriaceae(0.0457),g:Olivibacter(0.0087);
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nococcaceae(0.1679),g:Saccharofermentans(0.0157);
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2359),f:Bacteroidaceae(0.0710),g:Bacteroides(0.0157);
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nospiraceae(0.2524),g:Clostridium_XlVa(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGACTGAAGAAGTA
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1015),f:"Porphyromonadaceae"(0.0252),g:Barnesiella(0.0076);
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2359),f:Bacteroidaceae(0.0355),g:Bacteroides(0.0087);
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nococcaceae(0.3884),g:Ruminococcus(0.1735);
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es(0.0000),f:Bradyrhizobiaceae(0.0000),g:Bradyrhizobium(0.0000);
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7995),f:"Prevotellaceae"(0.4563),g:Prevotella(0.0423);
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acillaceae(0.9294),g:Lactobacillus(0.6681);
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ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
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acillaceae(0.7068),g:Lactobacillus(0.4351);
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483),f:Erysipelotrichaceae(0.0560),g:Erysipelothrix(0.0134);
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5766),f:"Prevotellaceae"(0.2864),g:Alloprevotella(0.0326);

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riales"(0.1249),f:Sphingobacteriaceae(0.0457),g:Solitalea(0.0110);
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1719),f:"Porphyromonadaceae"(0.0560),g:Coprobacter(0.0134);
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>OTU12473;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Rumi
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5395),f:"Prevotellaceae"(0.1291),g:Prevotella(0.0230);

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0000),f:"Porphyromonadaceae"(0.0000),g:Parabacteroides(0.0000);
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2679),f:"Porphyromonadaceae"(0.1098),g:Barnesiella(0.0157);

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>OTU12485;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Lach
nospiraceae(0.1872),g:Lactonifactor(0.0326);

ACGGGAGGAAGAAGGGGGGAAGATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGAAGT
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>OTU12486;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9798),o:Clostridiales(0.9753),f:Clostridiaceae_1(0.9015),g:Clostridium_sensu_stricto(0.7162);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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>OTU12484;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:Sphingobacteriia(0.0626),o:"Sphingobacteriales"(0.0413),f:Sphingobacteriaceae(0.0099),g:Solitalea(0.0046);
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CCTTTCTTCCTCCTTCTTTCCTCTTCCCCCCTTGGCGCCAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTC
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ridiaceae_1(0.1872),g:Clostridium_sensu_stricto(0.0519);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
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acillaceae(0.6350),g:Lactobacillus(0.3043);
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>OTU12491;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Bacilli(0.9747),o:Lactobacillales(0.9280),f:Lactob
acillaceae(0.3884),g:Lactobacillus(0.0712);
CCGGGATTCAGCATTAGTTCATCTTCCCCAATTGGCGCCAGCCTGAAGGAGCAACATCGCGTGCGTGATGACGGGTTT
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0),f:Cytophagaceae(0.0000),g:Larkinella(0.0000);
GTGAATCATCGAATCTTTGAACGCAAGTTGCGCCCGAAGCCTTCTGGCCGAGGGCACGCCTGCCTGGGCGTCACGCA
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>OTU12492;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Clostridiaceae_1(0.4224),g:Clostridium_sensu_stricto(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCCGATGCAGCAACGCCGCGTGAGTGATGAAGGTTTTCGGATCGTAAAGCTCTGTTTTTGGGGAAGATAATGACGGTACCCAAGGAAGAAGCCCCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATTCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAAGTTGAATGTGAAATACCAAGGCTCAACTTTGGTGTTGCATTTAAAACTGCTTATCTAGAGTGCGGGAGAGGATAGTGGAATTCCTAGTGTAGAGGTGAAATGCGTAAAGATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAACTGACGCTGAGGCGCGAAGGCGTGGGAAGCAAACAGGATTAGATACCCTGGTA
>OTU12495;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Clostridia(0.9856),o:Clostridiales(0.9942),f:Clostridiaceae_1(0.6350),g:Clostridium_sensu_stricto(0.3043);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGAGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAAGTGAGATGTGAAATACCCGGGCTCAACGTGGGTGCTGCAGTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAATGGAATTCCGAGTGTAGCGGTGAAATTAGTAGAGATGAGGAAGAACACCCCGAGATATAGACACTCTCTGTACAGTAACCGATGCTGATGTACGCAAGCGAGGAGAGCAAGCAGGAGAAACCCTGGTA
>OTU12496;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Lachnospiraceae(0.0457),g:Clostridium_XlVa(0.0110);
ACGGGAGGCAGCAGTAAGGGATATTGGTCAATGGGCGGGAGCCTGAACCAGCCATGCCGCGTGAGGGATTGAGGCCCTACGGGTCGTAAACCTCTTTTGCAGGGGGATAACGGGCGCCACGCGTGGCGCCGTGAAGGTACCCGGAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGTTTTACTGGGTGTAAAGGGAGCGTAGACGGCGATGCAAGTCTGGAGTGAAAGCCCAGGGCTCAACCCTGGGACTGCTTTGGAAACTGTATGGCTAGAGTGCTGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTTACTGACACTGAGGCACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU12494;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8628),c:"Bacteroidia"(0.5195),o:"Bacteroidales"(0.2679),f:"Porphyromonadaceae"(0.1291),g:Barnesiella(0.0157);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGCGATGAAGGTAATTTTATTGTAAAGCTCTGTTCTCAGTCAAGAATAAATGACTAGCTGAGGAATAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGCGCGCCAAGTCAGCGGTCAAAGTTCCGGGCTCAACCCGGTGTCGCCGTTGAAACTGGCGTGCTCGAGTGCGTGCGAGGAAGGCGGAATGCGTTGTGTAGCGGTGAAATGCATAGATATGACGCAGAACTCCGATTGCGAAGGCAGCTTTCCAGCGCGCTACTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU12498;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Bacilli(0.8048),o:Lactobacillales(0.4280),f:Streptococcaceae(0.2184),g:Streptococcus(0.0615);
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>OTU12499;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9776),o:Clostridiales(0.9685),f:Clostridiaceae_1(0.7428),g:Clostridium_sensu_stricto(0.4787);
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>OTU12497;tax=d:Bacteria(0.9827),p:Firmicutes(0.1707),c:Clostridia(0.0626),o:Clostridiales(0.0413),f:Clostridiaceae_1(0.0086),g:Caloramator(0.0043);
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4280),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0712);
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nospiraceae(0.2524),g:Syntrophococcus(0.0423);
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ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGCTTTCGGCTTGTAAAGCACTGTTGTTGGAGAAGAACGTGCGAGAGAGTAACTGTTCACGCAGTGACGGTACCCACCCAGAAAGTACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGCAGGTGGCAAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGGAGGCGGATGATTAAGTCAGATGTGAAATCCCCGGGCTCAACCTGGGAGCTGCATTCGAAACTGGTTATCTTGAGTGCAGGAGAGGGGAGTGGAATTCCTGGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGGCTCTCTGGACTATGACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU12511;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Ruminococcaceae(0.0560),g:Clostridium_III(0.0134);
ACGGGAGGCAGCAGTGGGGGATATTGGACAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGCTTTCGGGTTGTAAACCTCTGTCATTGGTGACGAAGGAAGTGACGGTAGCCAAGGAGGAAGCCCCGGCTAACTACGTTCCAGCAGCCGCGGTAATACGGAGGGGGCGAGCGTTGTCCGGAATTACTGGGAGTAAAGGGTGCGTCGGCGGTCTTTTAAGTTGGATGTGAAATCCCCGGGCTTAACGTGGGGTCTGCATTAAATACTGGTAGACTAGAGTACAGGAGGGGGAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTTCTGGACAGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU12513;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lachnospiraceae(0.3204),g:Parasporobacterium(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATTTCGGTATGTAAAGGTCTATCAGCAAGGAAGAAAATGACGGTACTTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGTGGTTTCTTAAGTCAGCGGTGAAAGTTTGTGGCTTAACCATAAAATTGCCATTGATACTGGGAGACTTGAGTATGTTTGAGGTAGGTGGAATGCGTGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU12512;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9991),c:Actinobacteria(0.9856),o:Actinomycetales(0.8955),f:Actinomycetaceae(0.6350),g:Actinomyces(0.4787);

ACTTCCTTCCTCCTTTTTTCCTTTTTCCCCCTTTCCTCCCCTCTGATGCAGCGACGCCGAGTGAGGGATGGAGGCCTTCGGGTTGTGAACCTCTTTCGCTCATGGTCAAGCCGCACGTGTGCGTGTGGTGAGGGCAGTGGGTAAAGAAGCGCCGGCTAACTACGTGCCCGCAGCAGCGGTAATACGTAGGGCGCGAGCGTTGTCCGGAATTATTGGGCGTAAAGGGCTTGTAGGCGGTTGGTTGCGTCTGCTGTGAAATCCTCGGGCTTAACTGGGGGCGTGCGGTGGGTACGGGCTGGCTTGAGTGCGGTAGAGGAGACTGGAATTCCTGGTGTAGCGGTGGAATGCGCAGATATCAGGAGGAACACCGGTGGCGAAGGCGGGTCTCTGGGCCGTTACTGACGCTGAGTAGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU12514;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Ruminococcaceae(0.1485),g:Clostridium_III(0.0181);

ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGGGGCAACCCTGACGCAGCCACGCCGCGTGAAGGAAGAAGTTCTTCGGATTGTAAACTTTTGTCTTTGGTGAAGATAGTGACGGTACCCAAGTAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCCAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGACGGGTCTGCAAGTCAGATGTGAAATACCGCAGCTTAACCGCGGGGCTGCATTTGAAACTGTGTGTCTTGAGTGTGGGAGAGGAAAGCGGAGTTCCGAGTGTAGCGGTGTAATGCGTAGATATACGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCGATAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU12516;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8448),c:"Bacteroidia"(0.1740),o:"Bacteroidales"(0.0781),f:"Rikenellaceae"(0.0252),g:Rikenella(0.0076);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGTCCTATGGATTGTAAACTGCTTTTTTCTGGGAATAATATGACTTTTGCGAAGGTTGATGTATGTACCCTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATTCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTTAGATAAGTTAGAGGTGAAATGCTGCGGCTCAACAGGAGAATGGCATGAAAACTGTCTAACTAGGAGGTAAACGGAGCAGGCGGAATGAATCATGTAGCGGTGAAATGCATAGATATGCTTCAGAAAACCGATCGCGAAGGCAGCTTGAGAGGATACGATTGACGCTGAAGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU12518;tax=d:Bacteria(0.0041),p:"Verrucomicrobia"(0.0000),c:Spartobacteria(0.0000),g:Spartobacteria_genera_incertae_sedis(0.0000);

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>OTU12515;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Rumi
nococcaceae(0.1679),g:Clostridium_IV(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGACGGT
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CAGCAGCCGCGGCAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGGATGC
AAGTGAGATGTGAAATCTATGGGCTTAACACATAAACTGCAGTTGGAACTGGATCTCTTGAGTGCTGGAGAGGTAGA
TGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATAAGGAAGAACACCGATGGCGAAGGCAGTCTACTGGACAGT
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>OTU12517;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8448),c:"Bacteroidia"(0.2321),o:"Bacteroidales"(0.
1015),f:"Porphyromonadaceae"(0.0355),g:Barnesiella(0.0087);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGAGGGAATGAGGC
CCTACGGGTCGTAAACCTCTTTTGCCGGGGGATAACGGGCGCCACGTGTGGCGCCGTGCAGGTACCCGGAGAATAA
GCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGG
GCGCGCAGGCGGGCGTCTAAGTCAGCGGGAAAAGTTCCCGGCTAAACCGGGGCAGTGCCGATGATACTGGGAGCCT
TGAATGCGGTCGAGGCCGGCGGAATGTGGCGTGTAGCGGTGAAATGCATAGACATGCCACAGAACACCGATAGCGA
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>OTU12520;tax=d:Archaea(0.0041),p:Parvarchaeota(0.0000),g:Candidatus_Parvarchaeum(0.0000);
TCAACGGTCACCTTAAATTTACCCTGACTATTCCACTGCACCATCTGCCCGGACTGGACCCACTGGTCATAATCATGGT
GGCGAATAAGTACGCGTTCTTGCAAATCACCAGAAGGCGGTTCCTGAATGAATGGGAAGCCTTCAAGAAGGTGATAA
GCAGGAGAAACATACGAAGGCGCATAACGATACCACTGACCCTCAGCAATCTTAAACTTCTTAGACGAATCACCAGA
ACGGAAAACATCCTTCATAGAAATTTCACGCGGCGGCAAGTTGCCATACAAAACAGGGTCGCCAGCAATATCGGTAT
ATGGCAAAGCACCTTTAGCGTTAAGGTACTGAATCTCTTTAGTCGCA
>OTU12519;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Clost
ridiaceae_1(0.2524),g:Clostridium_sensu_stricto(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCCGACCCAGCAACGCCGCGTGAAGGAAGAAGG
CCTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGGACGTGACGGTACCTGGTTAAAAAGCAACGGCTACCTACGT
GCCAGCCGCCGCGGTAATCCGTAGGTTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGACTTT
TAAGTGAGATGTGAAATACCCGGGCTCAACTTGGGAGCTGCATTTCAAACTGGAAGGCTAGAGTGCAGGAGAGGGG
AGTGGAATTCCAAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACT
GTAACTGACGCTGAGGCGCGAGAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU12523;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9892),o:Lactobacillales(0.9606),f:Lactob
acillaceae(0.9015),g:Lactobacillus(0.4787);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAAGGGCCGCAGGCCGGAGGGGGCAAAACCGGGTGATTGAAGAAGG
GTTTCGGCTGGTAAAGCTCGTTGGTTGGAGAAAAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACC
GGAAAGTAACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGT
AAAGCGAGCGCAGGCGGTTGCTTAGGTCTGATGTGAAAGCCTTCGGCTTAACCGAAGAAGTGCATCGGAAACCGGG
CAACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGT
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GTA

>OTU12521;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Clost
ridiaceae_1(0.0252),g:Clostridium_sensu_stricto(0.0076);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCCGACCCAGCAACGCCGCGTGAGGGATGAAGGC
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GCCAGCAGCCGTGGCAATACGTAGGGGGCGAGCGTAGTCCGGAATTACTGGGCGTAAAGGGTGAGTAGGCGGTTTT
TTAAGTTGGATGTGAAATACCCGGGCTTAACTTGGGGGGTGCATTCAGAACTGGAGGACTAGAGTACAGAAGAGGT
AGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATGACGAAGAACACCGGTGGCGAAGGCGGCTTGCTGGAC
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>OTU12522;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:"Bacteroidia"(0.1159),o:"Bacteroidales"(0.
0547),f:Prolixibacteraceae(0.0149),g:Prolixibacter(0.0066);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGACGGAACACGGC
CCTATGGGTCTTAAACTTCTTTGGTCCCGGGGTAAAAAGAGCAACGCGTGCCCTTTTGAGAGTACGGGATGAATAAG
CATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGGAGATGCGGGCGTTATCCGGATTCATTGGGTTTAAAGGG
TGCGTAGGCTGTGCGTCAAGTCAGGCGTGAAACTCCGCGGCTCAACTCCGGGACTGCCCGGGATACTGTCGCGCTGG
AGTGCGGATGACGTGGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACACCGATTGCGAA
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>OTU12524;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Clost
ridiaceae_1(0.3544),g:Clostridium_sensu_stricto(0.0904);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
CTTCGGGATGTAAAGCTCTATCTGCAGGGACGAAAATGACGGTACCTGAGGAAGAAGCCACGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGACGGCATTATAA
GTGAGATGTGAAAACCCAGGGCTCAACGTTGGGACTGCATTTCGAACTGGAAGGCTGGAGTGCAGGAGAGGAAAG
TGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGGTTTACTGGACTGT
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>OTU12525;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Clost
ridiaceae_3(0.0457),g:Caloranaerobacter(0.0110);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
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CCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGTGTAGGCGGCGAT
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AGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGAGATTCGGAGGAACACCAGTAGCGAAGGCGGCTGTCTGGTCT
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>OTU12526;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9762),o:Clostridiales(0.9497),f:Clost
ridiaceae_1(0.5632),g:Clostridium_sensu_stricto(0.3915);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGTCGCGTGAGTGATGAAGGT
TTTCGGATCTTTAAGCTCTGTATATGGGGAAGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCA
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GTGGGATGTGAAATATCCGGGCTCAACGTGTGTGCTGCATTCCAAACTGGTTGTCTAGAGTGCGGGAGAGGAGAGT
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTATGAAGAACACCAGTCGCGAAGGCAACTCTCTGGACTGTAA
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>OTU12528;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9908),o:Lactobacillales(0.9753),f:Lactob
acillaceae(0.9294),g:Lactobacillus(0.7162);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATATATTGGGCGT
AAAGCGAGCGCAGGCGGTTTGATAAGTCTGAAGTGAAAGCCGTTGGCTTAACCAAAGAAGTGCGTCGGAAACTGTC
AGACTTGAGTGCAGAAGAGGACAGGGGAACTCCATGTGTAGCGGTCGAATGCGTAGATATATGGAAGAACACCAGT
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GTA
>OTU12527;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9877),o:Lactobacillales(0.9940),f:Lactob
acillaceae(0.8864),g:Lactobacillus(0.4787);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTTAGTGAAGAAGGGT
TTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCAG
AACGTCACCGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTCA
AGCGAGCGCAGGCGGTTGCTTAGGTCTGAGGTGAAAGCCGTCGGCTTAACCGAAGAAGGGCATCGGAAACCGGGC
GACTTGAGGGCAGAAGAGGACAGTGGAATTCCATGTGTAGCGGTGGAATGAGTAGATATATGGAAGAACACCAGTG
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>OTU12530;tax=d:Bacteria(0.0041),p:"Proteobacteria"(0.0000),c:Gammaproteobacteria(0.0000),o:Pseudomonadales(0.0000),f:Moraxellaceae(0.0000),g:Acinetobacter(0.0000);

GCTTGCTACCGCTAACACTACTGTAGGCATGGGTGCTGCTGGTCTTAACTCTGCCATTCCAGGCTCTAATGTTCCTAACCCTGATGAGGGCGTCCCTAGTTTTGTTTCTGGTGCTATGGCTAAAGCTGGTAAAGGACTTCTTGAAGGTACGTTGCAGGCTGGCACTTCTGCCGTTTCTGATAAGTTGCTTGATTTGGTTGGACTTGGTGGCAAGTCTGCCGCTGATAAAGGAAAGGATACTCGTGATTATCTTGCTGCTGCAGTTCCTGAGCTTAATGCTTGGGAGCGTGCTGGTGCTGAGGCGTACTCTGCTGGTATGGTTGACGCCGGATGAGAGAAGCAAAAAGAGCTGACTAAAATGCAACTGGACAATCAGAAAGAGAATGCCGAGATGCAAAATGAGACTCAAAAAGAGATTGCGGGCATGCAGTC

>OTU12529;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Clostridiaceae_1(0.0904),g:Clostridium_sensu_stricto(0.0181);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAACCCTGATGCAGCCACGCCGCGTGAGTGATGAAGGTTTTCGGATCGTAAAGCTCTGTCTGTGGGGAAGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCTAGCGTTATCCGGATTTACTGGGCGTAAAGCGAGCGCAGGCGGTTTTGTAAGTCTGATGTGAAATCCTTCGGCTTAACCGGAGAAGTGCATCGAAAACTGGATAACTAGAGTGCGAGAGAGGATAGAGGAACTCCAAGTGTAGCGGTGGAATGCGTAGATATATGGAGGAACACCAGTGGCGAAGGCGGCTGTCTGGCTTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU12531;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Clostridiaceae_1(0.4914),g:Clostridium_sensu_stricto(0.2171);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCCGTGGGCGAAGCCACGGCCAACTACGTTCCACCTGCCGCGGCAATACGCCGGCGGCCAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTGTTAAGTGAGATGTGAAATACCCGGGCTTAACTTGGGTGCTGCAGTTCAAACTGGAAGGCTAGAGTGCAGGAGAGGAGAAGGGAATGCGTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGCTTCTCTGGACCGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU12533;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9877),o:Lactobacillales(0.9389),f:Lactobacillaceae(0.8505),g:Lactobacillus(0.4787);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGCTGGAGCAAAACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGTGGTTGCTTAGGTCTGATGTGAAAGCCTTCGGCTGAACCGAAGAAGTGCATCGGAAACCGGGCGACGGGAGTGCAGAGGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGGGGCGAAGGGGGCTGTATGGTCTGCAACTGACGGTGAGGCTCGAAATCAAGGGTAGCGAGCAGGATTAGATACCCTGGTA

>OTU12532;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9441),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.3959),f:"Rikenellaceae"(0.1291),g:Alistipes(0.0230);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCATGCCGCGTGCAGGAAGACGGC
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ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGG
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AGTGCAGGAGAGGAAAGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAG
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>OTU12534;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Clostridiaceae_1(0.5632),g:Clostridium_sensu_stricto(0.3915);

ACGGGAGGCAGCAGGGGGGAATATTGCACAAAGGGGGGAACACTAATGGAGCAAAGCCGCGTGAGAGATGAAGG
TTTTAGGATCGTAAAGCTCTGTCTTTGGGGAAGATAATGACGGTACCCAAGGAGGAAGCTACGGCTAACTACGTGCC
AGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTA
AGTGGGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCATTCCAAACTGGTTATCTAGAGTGCAGGAGAGGAGAG
TGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGTTTTGTATGATCACCCGTCGCCAACGCGACTCTCTGCACTTTAC
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>OTU12535;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9784),o:Pasteurellales(0.9389),f:Pasteurellaceae(0.9201),g:Actinobacillus(0.4351);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGGGACCCTGATGCAGCCATGCCGCGTGAATGAAGAAGGC
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AGAAGCACGGGCTAACGCCGTGCGAGCAGCCGCGGTAATACGGAGGGTGCGAGAGGTAATCGGAATAACTGGGCG
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TCGCTAGAGTACTTGAGGGAGAAGTAGAATTCCACGTGTAGCGGTGAAATGCGTAGAGATGTGGAGGAATACCGAA
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GTA

>OTU12538;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9820),o:"Bacteroidales"(0.9821),f:Bacteroidaceae(0.9294),g:Bacteroides(0.9686);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGC
TCTATGGGTCGTAAACTTCTATTATATAAGAATAAAGTGCAGGAAGTATACTGTTTTGTCGGTATTAAATGAATAAGG
ATAGGCGAACTAAGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGTGGACTGGTAAGTCAGTTGTGAAAGTTTTCGGCTCAACCGTCAAATTGCATTTGATACTGTCATTCTTGA
GTACAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGG
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>OTU12536;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9887),o:Lactobacillales(0.9938),f:Lactobacillaceae(0.9201),g:Lactobacillus(0.5720);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCTGCTCGTAAAGCTCTGTTGTTGGTGAAGAACATGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCAGAAAGTCACGGCTAACTACGTGTCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTGCTTAGGCCTGATGTGACGACTTTCGGCTTAACCGAAGAGATGCATCGGAAACCGGGCGACTTGAGTGCAGAGGAGGACAGTGGAACTCCATGTGTGACGGTGGAATGCGTAGATATATGGAAGAACCCCAGTGGCGAGGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATGCCCTGGTA
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8737),f:"Porphyromonadaceae"(0.6709),g:Parabacteroides(0.5239);
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9685),f:"Prevotellaceae"(0.8505),g:Prevotella(0.5720);
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nospiraceae(0.2184),g:Clostridium_XlVa(0.0519);
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acillaceae(0.0904),g:Lactobacillus(0.0181);
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bacteriales"(0.8520),f:Enterobacteriaceae(0.7068),g:Escherichia/Shigella(0.2171);
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iales(0.8629),f:Sutterellaceae(0.6350),g:Sutterella(0.4787);
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7623),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0712);
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nospiraceae(0.3204),g:Clostridium_XlVb(0.0904);
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7623),f:"Prevotellaceae"(0.4224),g:Prevotella(0.0423);
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terales(0.0000),f:Rhodobacteraceae(0.0000),g:Roseovarius(0.0000);
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1483),f:"Prevotellaceae"(0.0149),g:Prevotella(0.0066);
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ostreptococcaceae(0.1485),g:Clostridium_XI(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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AGGAGTGAAAGGCTACGGCTAAACCGAAGTAAGCACTTGAGACTGGGAAACTTGAGTGCAGGAGAGGAAAGTGGA
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9753),f:"Prevotellaceae"(0.9201),g:Prevotella(0.7643);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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AGCGTAGGCCGTCTTTTAAGTCAGTTGTGAAATTTCGTGGCTCAACCTGGGCATTGCAGCGCGAACTGGCGGACTTG
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>OTU12620;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Rumi
nococcaceae(0.0252),g:Saccharofermentans(0.0076);
ACGGGAGGCAGCAGTGGGGAATATTGGGAAATGGGAGAAAGCCTTACCCAGCAATGCCGCGTGAGTGAAGAAGGT
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bacteriales"(0.8629),f:Enterobacteriaceae(0.7428),g:Escherichia/Shigella(0.3479);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
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GAAGCACCGTCTAACTCCGTGCCAGCAGCCGTGGCAGTACGGCGGGTGCAAGCGTTAATCGGAATTACTGGGCGTA
AAGCGCACGCAGGCGGTTTGTTAAGTCAGATGTGAAATCCCCGGGCTCAACCTGGGAACTGCATCTGATACTGGCAA
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nospiraceae(0.0457),g:Lachnospira(0.0110);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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9063),f:"Prevotellaceae"(0.6709),g:Prevotella(0.3479);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACAGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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ACTGGCTAATTCCGTTCCCGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
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>OTU12625;tax=d:Bacteria(0.8319),p:Firmicutes(0.1707),c:Clostridia(0.0626),o:Clostridiales(0.0413),f:Rumi
nococcaceae(0.0073),g:Intestinimonas(0.0035);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGACTGACCCAGCAAAGTAGCGTGAAGGAAGACGGC
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CACGAGTAGCGGCGTTACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGGATGC
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000),f:Haloferacaceae(0.0000),g:Halohasta(0.0000);
TTCTGTCTTTTCGTATCCAGGGCGTTGAGTTCGATAATGGTGATATGTATGTTGACGGCCATAAGGCTGCTTCTGCCGT
GCGTGATGAGTTTGTATCTGTTACTGAGAAGTTAATGGATGAATTGGCACAATGCTACAATGTGCTCCCCCAACTTGA
TATTAATAACACTATAGACCACCGCCCCGAAGGGGACGAAAAATGGTTTTTAGAGAACGAGAAGACGGTTACGCAGT
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6881),f:"Prevotellaceae"(0.4563),g:Prevotella(0.0712);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGC
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GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
TGCGTAGGCGGGGTGGTAAGTCAGCCGTGAAATGTCCACGCTCAACGTGGAACGTGCGTTTGATACTGCCGTCCTGG
AATGCGGATGCCGTGGGAGGAATGTGTGGTGTAGCGGTGAAATGCATAGATATGACGAAGAACTCCGATTGCGAAG
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>OTU12630;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9866),o:Lactobacillales(0.8846),f:Lactob
acillaceae(0.7428),g:Lactobacillus(0.6200);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCGGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
TTTCGGATCGTAAAGCTCAGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACAA
GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTTCGGATTTATTGGGCGTA
AAGCGAGCGCAGGCGGAAAAATAAGTCTAACGTGAACGCCCTCGGCTTAACCGAGGACCTGCATAGGAAACTGTTTT
TCTTGAGTGCAGAAGAGGAGAGTGGAATTCCATGTGTAGCGGTGGAATGCGTAGTTATATGGAAGCACACCAGCGG
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>OTU12631;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Lach
nospiraceae(0.1872),g:Ruminococcus2(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGGAAGCCTGATGCAGCGACGCCGCGTGATCGAAGAAGTA
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TCTGATGTGAAAACCCGGGGCTCAACCACGGGAGTGCATTGGAAACTGTTTATCTGGAATGCCGGAGGGGTAAGTG
GAAGTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGAAGGTAA
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>OTU12629;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9441),c:Deltaproteobacteria(0.7881),o:Desulfovibrionales(0.5023),f:Desulfovibrionaceae(0.2524),g:Desulfovibrio(0.0519);

ACGGGAGGCAGCAGTGAGGAATATTGGGCAATGGGCGAAAGCCTGAACCAGCGACGTCGCGTGCGGGATGAAGGTCTTCTGAGCGTAAACCTCTGTTTGAAGGGAAGAAACTAGGGTGCCCTAATCATCATTCTACTGACGGTACGTTCAAAGACAGCACAGTCTAACTCCGGGACAGCAGCTGCGGCAATACGGCGGGTGCAAGCGCGAATCGGAATCACTGGGCGTAAAGCGCACGTAGGCTGTTATGTAAGTCAGGGGTGAAATCTCGCGGCTCAACGGTGGAACTGCCCTTGATACTGGACGTCTTGAGTCCGTGAGAGGGTGGCGGAATTCCAGGTGTAGGGGTGAAATGCGTAGATATCTGGAGGAACATCGGTGGCGAAGGCAGCCACCTGGACCGGTATTGACGCTGAGGTGCGAAAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU12632;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9762),o:"Bacteroidales"(0.9497),f:"Prevotellaceae"(0.9015),g:Prevotella(0.6200);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGAATAAAGTGTGGTACGTGTGGCATATTGCATGTCCCCTATGAATAAGGCACGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATTCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCCTATAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGTGAGACTTGAGTGCGCAGGAGGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCGTAGATATTACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAGGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU12633;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.4652),f:Eubacteriaceae(0.2524),g:Eubacterium(0.0712);

AAGGGAGGCAGAAGGGGGGAAGAGGGAAAAAGGGGAGGAAGAAGGAGGAAGAAAAGAAGGGTGAAGGAGGAAGGCCTTCGGGTCGTAAACTTCTGGCCAAAGGGAAGAAGAAGGACGGTACCTGGGGAGGAAGCCCCGGATAACTACGTGCAAGCAGCCGCGGTAACACGTAGGGGGCGAGCGTTATCCGGAATTACTGGGCGTAAAGAGTGCGTAGGTGGCTTTGCAAGCGTAGGGTATAAGGCGACAGCCCAACTGTCGTTGGCCCCGCGAACTGTAAGGCTTGAGTACAGGAGGGGAAGGCGGAATTCCTAGTGTAGCGGTGAAATTCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTTCTGGACTGTAACTGACACTGCGGCACGAAAGCGTGGGTAGCAAACCGGATTAGATACCCTCTTA

>OTU12635;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.6138),f:"Rikenellaceae"(0.4224),g:Alistipes(0.1735);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCAGGATGACGGCTCTATGAGTTGTAAACTGCTTTTGTACGAGGGTAAACCCGGATACGTGTATCCGGCTGAAAGTATAGTACGGATACGGAACGGCTGACTCTGTGGAAGCAGCCGCGGTAATCCGGAGGATTCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTTTGGTAAGTTAGAGGTGAAATCCCGGTGCTCAACACCGGAACTGCTTCTAATACTGTTGAGCTAGAGATTAGATGCGGTAGGCGGAATTCATGGTGTAGCGGTGAAATTCTTAGAGATCAGACAGAACACCGATTGCGAAGGCAGCTTACCAATCTATATCTGACGTTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU12627;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9966),c:Gammaproteobacteria(0.9719),o:"Entero
bacteriales"(0.7995),f:Enterobacteriaceae(0.5991),g:Escherichia/Shigella(0.1735);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
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ridiaceae_1(0.2864),g:Clostridium_sensu_stricto(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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0781),f:Prolixibacteraceae(0.0252),g:Meniscus(0.0076);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGC
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>OTU12634;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:Sphingobacteriia(0.0726),o:"Sphingobacte
riales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Parapedobacter(0.0046);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGACGGAAGACGGC
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>OTU12639;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9755),o:"Enterobacteriales"(0.8520),f:Enterobacteriaceae(0.7068),g:Escherichia/Shigella(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGTCGCGTGTATGATGAAGGCCCTCGGGTTTTAAAGTACTTTCAGCGGGGGGGTAGGGAGTAAAGTTAATACCTTTTTTCATTGACGTTACCCACAGAAGAAGCATCGGTCAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGCTAATCGGAATTACTGGGCGTAAAGCGAACGCAGGCGGTTTGTTAAGTCAGATGTGAAATCCCCGGGCTCAACCTGGGAACTGCATCTGATACTGGCAAGCTTGAGTCTCGTAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGGCGAAGGCGGCCCCCTGGTCGAAGACTGACGCTCAGGTTCGAAGGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU12641;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:"Bacteroidia"(0.5195),o:"Bacteroidales"(0.2679),f:"Prevotellaceae"(0.1291),g:Prevotella(0.0230);
ACGGGAGGCAGCAGTAGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGCCTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGGACGTGACGGTACCTGGAGAAAAAGCAACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTGATCCGGATTTATTGGGTGTAAAGGGAGCGTAGGCCGTCTTATAAGCGTGTTGTGAAATGTCGTGGCTCAACCTGGGCATTGCAGCGCGAACTGTGAGACTTGAGTGCGGAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCGTAGATATGAGGAAGAACACCGATTGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU12640;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Lachnospiraceae(0.3884),g:Clostridium_XlVa(0.0904);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACTCTGATGCAGCGACGCCGCGTGAAGGATGAAGTATTTCGGTATGTAAACTTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCGGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTTTGCAAGCCAGATGTGAAAGGCCGGGGCTCAACCCCGGAGCTGCATTTGAAACTGCATAGCTGGAGTACAGGAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATACGGAGGAACACCAGTGGCGCAGGCGGCCTGCTGGACAGCAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATAGATACCCTGGTA
>OTU12642;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Lachnospiraceae(0.2524),g:Lachnospiracea_incertae_sedis(0.0615);
ACGGAAGGCAGCAGTGGGGAATATTGGACAATGGACCAAACGTCTGATCCAGCAATTCTGTGTGCCCGATGACGGTCTTAGGATTGTAAAGTGCTTTCAATTGGGAAGAAACAAATGACGGTACCAATAGAAGAAGCGACGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGGAGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGCGTAGGTGGCAGTGCAAGTCAGATGTGAAAGGCCGGGGCTCAACCCCGGAGCTGCATTTGAAACTGCATAGCTAGAGTACGGGAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGCAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU12638;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9755),o:"Enterobacteriales"(0.8412),f:Enterobacteriaceae(0.6709),g:Escherichia/Shigella(0.2607);
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>OTU12645;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Lachnospiraceae(0.5273),g:Blautia(0.1299);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCCGATGCAGCGACGCCGCGTGAAGGAAGAAGTATTTCGGGATGTAAACTTCTATCAGCAGGGAAGATAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATCCGTAGGAGGGAAGCGTTATCCGGGTTTACTGGGTGTAAAGGGAGCGTAGACGGGCTGGCAAGTCAGATGTGAAAGGCATGGGCTTAACCTGTGGCCTGCATTGGAAACTGTTGGTCTTGAGTGCCGGAGGGGTAAGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACGTTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
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>OTU12644;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9755),o:Clostridiales(0.9389),f:Eubacteriaceae(0.8505),g:Eubacterium(0.7643);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCAACGCCGCGTGGAGGAAGACGGTCTTCGGATTGTAAACTCCTGTTATTAGTGAAGAAAAATGACGGTAGCTAAGGTGCATGCTACGGCTAAATACGCGCCAGAAGCCGCGGTAATACGTATGTGGCAAGCGCTGTCCGGAATTATTGGGTGTAAAGGGAGCGCAGGCGGGGGAGCAAGTCAGCTGTGAAATCTATGGGCTTAACCCATAAACTGCAGTTGAAACTGTTCATCTTGAGTGAAGTAGAGGTTGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCCAACTGGACTTTTACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU12646;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:Sphingobacteriia(0.1159),o:"Sphingobacteriales"(0.0547),f:Sphingobacteriaceae(0.0149),g:Parapedobacter(0.0066);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGACGGAATACGGCCCTATGGGTCTTAAACTTCTTTTGTCCCGGAGCAATAAGAGCCACGCGTGGCTCGATGAGAGTACGGGAAGAACAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGGGTGGTAAGTCAGCAGTGAAAGGTCCACGCTAAACGGGGAAAGTGCGTTTGATACTGCCGGCCTGGAATGCGGAAGCAGTGGGAGGAATGTGTGGTGTAGAGGTGAAATGCATAGATATCACAAAGAACACCGATTGCGAAGGCAGCTCACGAATCCGCAATTGACGCTGAGGCACGAAAGCGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU12647;tax=d:Bacteria(1.0000),p:Firmicutes(0.9994),c:Bacilli(0.9897),o:Lactobacillales(0.9606),f:Lactobacillaceae(0.9201),g:Lactobacillus(0.8605);
ACGGGAGGCAGCAGTAGGAAATCTTCCACAAAGGACGCAAGTCTAATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATGGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCCTCGGCTTAACCGAGGAACTGCATCGGAAACTGTTTTTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGTATGAAGATCAGTGGAGAAGGGGGCTCTCCGGTCTGCACCTGCCCCTCAGTCTTGAAAGCATGGGTAGGGAGCAGGATTAGATACCCTGGTA
>OTU12651;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Lachnospiraceae(0.7068),g:Roseburia(0.5239);
AAGGAAGGAAGAAGGGGGGAAGAGGGGACAAGGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATTTCGGAATGTAAAGCTCTATCAGCAGGGAAGAAGAAATGACGGTACCTGACGAAGAAGCACCGGCGAAATACGGGCCAGCAGCCGCGGGAATAAGTATGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGAAGGCTAAGTCTGATGTGAAAGCCCGTGGCTCAACCCCGGTACTGCATTTGATACTGGTCATCTAGAGTGTCGGAGGGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU12649;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Peptococcaceae_1(0.3204),g:Peptococcus(0.0904);
ACGGGAGGCAGCAGTGGGGAATCTTCCGCAATGGGCGAAAGCCTGACGGAGCAATGCCGCGTGAGTGAAGAAGGCCTTCTGGTTGTAAAGCTCTATCCTTGTCGAAGAAAGCAGAGCATAGTAACTGATAGTCTGGGGACGGTAGACAAGAAGGAAGGCCCGGCTAACTATGTGCCAGGAGCCGAGGCAAAACATAGGGGGCAAGCGTTGTCCGGAATCACTGGGAGTAAAGGGCGCGTAGGCGGTCTGTTAAGTCGGATGTGAAATGTAAGGGCTCAACCCTTAAAGTGCATCTCGTACTGGCAGACTTGAGTGCGGGAGAGGCAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCCGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU12650;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Clostridiaceae_1(0.0904),g:Clostridium_sensu_stricto(0.0181);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGAAGAAGGTCCTATGGATTTTAAACTTCTTTTGTCGGAGAGCAATAAGGGTCTCGCGAGATCCGATGAGAGTATCCGACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGCGCGTAGGCGGACTTTTAAGTGAGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCATTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGTGTAGAGATTAGGAAGAACATCAGTGGCGAAGGCGGCCACCTGGACCGGTATTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU12652;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Ruminococcaceae(0.2864),g:Clostridium_IV(0.0204);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTAAGAGGGAAGAGCAGAAGATGGTACCTCTAGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATATGTAGGTGGCAAGAGTTGTCCGGATTTACTGGGTGTAAGGGGCGTGCAGCCGGGTGTGCAAGTCAGATGTGAAATCCATGGGCCCAACCCATGACCTGCATTTGAAAATGTACATCTTGAGTGTCGGAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCAGGACGTTAACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU12653;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:"Bacteroidia"(0.4045),o:"Bacteroidales"(0.1719),f:Marinilabiliaceae(0.0560),g:Alkalitalea(0.0134);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCATGCCGCGTGAAGGAATAAGGCCCTATGGGTCGTAAACTTCTTTTGAAGGGGAGCAATATGATCTACGTGTAGGCCGATGAGAGTACTCGTCGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCTGGTTGTTAAGTCAGTTGTGAAATACCGCAGCTCAACTGTGGAATTGCAGTTGATACTAGCAGGCTTGAATACTGTTGAGGTGGGAGGAATGAGTAGTGTAGCGGTGAAATGCATAGATATTACGCAGAACACCGATTGCGAAGGCAGCTTACTGAGCAGTCATTGACGCTGAGGCACGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU12655;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Clostridiaceae_1(0.0904),g:Clostridium_sensu_stricto(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCGAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGATCGTAAACTTCTATCAACAGGGACGAAACAAATAACGGTACCTGAATAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAGAGGGTGCGTAGGCGGTTTGGTAAGTTGGATGTGAAATACCCGGGCTTAACTGGGGGGCTGCAGTCGATACTGTCGGACTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCGGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACGCTGAGGCACGAAAGCGTGGGAAGCAAACAGGATTAGATACCCTGGTA

>OTU12654;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:"Bacteroidia"(0.2321),o:"Bacteroidales"(0.1015),f:"Porphyromonadaceae"(0.0252),g:Porphyromonas(0.0066);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCACGCCGCGTGAAGGAAGAAGGTCCTATGGATTTTAAACTTCTTTTGTCGGAGAGCAATAAGGGTCTCGCGAGATCCGATGAGAGTATACGACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCTGTGCGTCAAGTCGGGGGTGAAATTCCGGTGCTCAACACCGGGGCTGCCCTTGATACTGTCGCGCTGGAGTGCGGATGCCGCCGGAGGAATGAGTGGTGTAGCGGTGACATGCATAGATATGATTCAGAACACCGATCGCGAAGGCAGCTTGCGAGGATACGATTGACGCTGAAGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU12657;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.4311),c:"Bacteroidia"(0.2321),o:"Bacteroidales"(0.1015),f:"Prevotellaceae"(0.0355),g:Prevotella(0.0066);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTAGCGTGCAGGATAACGGCCCTATGGGTTGTAAACTGCTTTTAGGCGGGGGTAAAGGGGCGGACGTGTTCCGCATTTGCAGGTACCGCCAGAAAAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACCGAAGGTCCGGGCGCTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGCTATGAAGTCAGGTGTGAATGCCCGGGGCTCAACCCCGGGACTGCATTTGGAACTGTAATGCTAGAGTGTCGGAGATGCAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGCAACACCAGTGGCGAAGGCGGCATGCTGTACGAGTACTGAAGTTGAGTCTCGAAAGCGTGGGGAGGAAACAGGATGAGATACCCTGGTA
>OTU12656;tax=d:Bacteria(1.0000),p:Firmicutes(0.2586),c:Clostridia(0.1159),o:Clostridiales(0.0547),f:Clostridiaceae_2(0.0099),g:Alkaliphilus(0.0046);
ACGGAAGGCAGCAGTCGGGAATATTGCGCAATGGAGGAAACTCTGACGCAGTGACGCCGCGTTTAGGAAGAAGGCCTTCGGGTTGTAAACTACTGTCGTCAGGGAAGAAAAGGACGGTACCTAAGGAGGAAGCCCCGGCTAACTATGTGCCAGCAGCCGCGGTAATACAAAGGGGGCGAGCGTTATCCGGAATTATTGGGTGTAAAGGGTGTGTAGACGGGAAATTAAGTTAGTAGTGAAATCCCTAGGCTTAACTTGGGAATTGCTCCTAAAACTGGTTTTCTTGAGTGTTGGAGAGGAATGTGGAATTTCCAGTGTAGCGGTGAAATTCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACATTCTGGACAAAAACTGACGTTGAGGCACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU12658;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.8628),c:Gammaproteobacteria(0.6730),o:Aeromonadales(0.3959),f:Succinivibrionaceae(0.2184),g:Anaerobiospirillum(0.0615);
ACGGAAGGCAGCAGTAGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCCATGCCGCGTGTGTGAAGAAGGCCTTCGGGTTGTAAAGCACTATCAGTGGGGAGGAAACACTGACGTTACCCACAGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAGTAACTGGGCGTAAAGGGCATGTAGGCGGAAAGGTAAGTCTGATGTGAAAGGCATGGGCTCAACCTGTGGACTGCATTGGAAACTGTTAGTCTTGAGTGCCGGAGGGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCTTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATGACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU12659;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9892),o:Lactobacillales(0.9280),f:Lactobacillaceae(0.8864),g:Lactobacillus(0.7162);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGCCGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCCGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGATAGCCCGCGGCTTAACCGAGGAACTGCACCGTAAACTGTTTGTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCAGGTGTAGCGGTGGGATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGAAACTGACGCGGAGGCACGAAAGCATGGGTAGCAAACAGGATTAGAAACCCTGGTA
>OTU12660;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Bacilli(0.9776),o:Lactobacillales(0.9280),f:Lactobacillaceae(0.8864),g:Lactobacillus(0.7643);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACACCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTATTTGGGAAGAAAACATGACGGTACCCAATGAGGAAGTCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAATGATAAGTCTGATGTGAAAGCCCACGGCTCAACCGTGGAACTGCATCGGAAACTGTCATTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTTGTTTGCAACTGACGCTGAGGCTCGAAAGCATGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU12662;tax=d:Bacteria(0.9827),p:Firmicutes(0.3448),c:Clostridia(0.0525),o:Clostridiales(0.0352),f:Ruminococcaceae(0.0086),g:Oscillibacter(0.0043);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGGAAAACTCCGTTTTTGCAGAAGAACGTGCGGGAGAGTAACTGTTCACGCAGGTACGGTATTCATCCAGAAAGTCACGTCTCACTACGTGCCCGCAGCCGCTGCGATACGTCGGTGGCATGCGCTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGAGGGCAAGTGAGATGTGAAATCCACGGGCTCAACTCGTGAACTGCAGTTGAAACTACGCTTCTTGAGTAGCGGAGAGGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU12661;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Bacilli(0.7497),o:Lactobacillales(0.4652),f:Lactobacillaceae(0.2864),g:Lactobacillus(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAAGGATGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGATAATGACAGTACCCGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGACCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTACTTAAGTCTGATGTGAAAACCTTCGGCTTAACCGGAGGAGTGCATCGGGAACTGGGGGACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATGTATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU12664;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Bacilli(0.9851),o:Lactobacillales(0.8846),f:Lactobacillaceae(0.7428),g:Lactobacillus(0.4351);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGGTAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAGAAAGTCACTGCTAACTACGTGCCAGCAGCCGCGGGAAGACGTAGGTGGCAAGCGTGGTCCGGATTTATTGGGCGCAAAGCGAGCGCAGGCGGAAAAATAAGTTTAATGTGAAAGCCCTCGGCCTAACCGATGAACTGCATCGGACACTGTTTCTCTTGCGTCCAGAAGACGTGAGTGGAACTCCATGTTTAGCGGTAGAATGCGTAGCTATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGATCTGCACCTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU12663;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9988),c:Betaproteobacteria(0.9726),o:Burkholderiales(0.8629),f:Sutterellaceae(0.7428),g:Sutterella(0.6200);
ACGGGAGGCAGCAGTGGGGAATTTTGGACAATGGGGGCAACCCTGATCCAGCCATGCCGCGTGCAGGATGAAGGTCTGCGGATTGTAAATTGCTTTTGTCAGGGACGAAAAGGACTGTGCTAATACCACGGTCTGCTGACGGTACCTGAAGAATAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGTGCGCAGGCGGTTCTGTAAGACAGATGTGAAACCCCCGGACTTAACCTGGGAATTCCATTTCTGACTGCATGACTAGATTTCATCAGAGGGGGGTGGCATTCCAAGTGTAGCAGTCAAATGCGTAGATATTTGGAAGAACACCAATGGCGAAGGCAGCCCCCTGGGATGCGACTGACGCTCATGCACGAAAGCGTGGGTAGCAAACAGGCTTAGATACCCTGGTA
>OTU12648;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Clostridiaceae_1(0.1291),g:Clostridium_sensu_stricto(0.0230);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGCGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCGGGGACGATAATGACGGTACCCGAGGAGGAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGAGCGTAGGCGGTCTGATAAGTTGGATGTGAAATCCCCGGGCTTAACCTGGGGAGTGCATTCAATACTGTTTGACTGGAGTGCAGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACATCAGTGGCGAAGGCGGCTTTCTGGACTGCAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCCGGTA
>OTU12667;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.9063),f:"Prevotellaceae"(0.6709),g:Prevotella(0.2607);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTGCGCGGGGATAAAGTGCGCCACGTGTGGCGCATTGCAGGTACCGCGCGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTCATTGGGTTTAAAGGGAGCGCAGGCGGGAGATTAAGCGTGTTGTGAAATGTAGATGCTTAACATCTGCACTGCAGCGCGAACTGTTTTCCTTGAGTACGCACAAAGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTGACGGTAGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU12665;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Bacilli(0.8048),o:Lactobacillales(0.5395),f:Lactobacillaceae(0.3544),g:Lactobacillus(0.1299);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGCAGCCGGGAATGCAAGTCAGATGTGAAATCCATGGGCTTAACCCATGAACTGCATTTGAAACTGTATTTCTTGAGTACTGGAGAGGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACAGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU12666;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Bacilli(0.4812),o:Lactobacillales(0.2359),f:Lactobacillaceae(0.0904),g:Lactobacillus(0.0181);
ACGGGAGGCAGCAGTGGGGAACCTTCCGCAATGGGCGCAAGCCTGACGGAGCAACGCCGAGCGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGAGAGGGACGAGAGATATAATCAGGAAATGGGTTATAGAGGACGGTACCTTTCGAGGAAGCCACGGCTAACTACGTGCCAGCAGCTGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTACTTAAGTCCGATGTGAAAGCCCTCGGCTTAACCGAGGAACTGCATCGGAAACTGTGTTTCTTGAGTGCAGAAGAGGGGAGCGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGAAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU12668;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9784),o:"Bacteroidales"(0.9707),f:Bacteroidaceae(0.8505),g:Bacteroides(0.7643);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGGATACCCGTTTGCATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCTGCAGCCGCGGTAATACGGAGTATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGATGTTTAAGTCAGTTGTGAAAGGTTGCGACACAGCCGTAAAAATGCAGTTGAGAGTGGATATCGTGAGTGCAGTGGAGGCAGGCGGAATTCATGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTAAGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGGTTAGATACCCTGGTA
>OTU12669;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.9280),f:"Prevotellaceae"(0.7428),g:Prevotella(0.3915);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAGAGGGATAAAGTGTGCCACGGGTGGCCTATTGCAGGTACCCTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGGCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTTATAAGTGTGTTGTGAAAGGTCGGGGCTCAACCTGGACATTGCAGCTGGTACTGTGTGTCTTGAGTGCGGATGAGGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTGGTGCAACTGACGCTGAAGCTCGAAAGTGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU12672;tax=d:Bacteria(0.0024),p:Firmicutes(0.0000),c:Negativicutes(0.0000),o:Selenomonadales(0.0000),f:Veillonellaceae(0.0000),g:Dialister(0.0000);

GTCGGGAGGGTAGTCGGACCCGAAGACGACTCAAAGCGAACCCCACAGGCCCAAAATTTAGGGTCGGCATCAAAAGCCATCTCAGCACCACCCGAACCAACCTGATTAGCGGCGTTGACAGATGTATCCATCTGAATGCAATGAAGAAAACCACCATTACCAGCATTAACCGTCAAACTATCAAAATATAACGTTGACGATGTAGCTTTAGGTGTCTGTAAAACAGGTGCCGAAGAAGCTGGAGTAACAGAAGTGAGAACCAGATTAGCAGAAAAAAAGGTTGAATGATGGCGAGAAATAAAAGTCTGAAACATGATGAAACGACTAAGCAGAAAACCTACCGCGCTTCGCGTGGTCAAACCCTCAGCGGCAAAAATTAAAATTTTTACCGCTGCGGCG

>OTU12671;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9866),o:Lactobacillales(0.9172),f:Lactobacillaceae(0.8505),g:Lactobacillus(0.5720);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATTGACGCAAGTCTGATTTAGCAACGCCGCGTTATTTAATAATTTTTTCGGATCGTAAATCTCTGTTGTTGTTGGAGAAGTATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTCATACGTAGGTTGCAAGCTTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTATAAGGCGAAAGCCCTCGGCTTAACCGAGGAACTGCATCGGAAACTGTTTTTCTTGAGTGCAGAAGAGGAGAGTGGAAGTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGAAGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGAGACACTGGTA

>OTU12670;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:"Bacteroidia"(0.4045),o:"Bacteroidales"(0.1719),f:"Prevotellaceae"(0.0710),g:Prevotella(0.0157);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGAAGAAGGTCTTCGGATCGTAAAGCTCTGTCCTTGGGGAAGATAATGACGGTACCCTTGGAGGAAGCCTCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGCCCCTTAAGCGTGTTGTGAAATGCCGCGGCTCAACCGTGGCACTGCAGCGCGAACTGGGGGGCTTGAGTGCGCGCAGCGCAGGCGGAACTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU12674;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9994),c:"Bacteroidia"(0.9798),o:"Bacteroidales"(0.9753),f:Bacteroidaceae(0.9108),g:Bacteroides(0.9085);

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0291),f:"Porphyromonadaceae"(0.0073),g:Coprobacter(0.0039);
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0291),f:Prolixibacteraceae(0.0073),g:Prolixibacter(0.0039);
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0473),f:"Marinilabiaceae"(0.0099),g:Anaerophaga(0.0046);
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nococcaceae(0.3544),g:Oscillibacter(0.0230);
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6881),f:"Prevotellaceae"(0.4224),g:Prevotella(0.0808);
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0547),f:"Porphyromonadaceae"(0.0149),g:Barnesiella(0.0066);
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0000),f:Thermotogaceae(0.0000),g:Thermosipho(0.0000);
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ACGGGAGGCAGCAGTGGGGAAGATTCGGTGATGGGAGCAAGACAGAACCAGCAACGCCGCGTGTAAGAAGAAGGCTTTGGGTTTGGAAACTTCTTTGGTCAGGGACGAAACAAATGACGGTACCTGACGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGAGTGCAAGTCAGACGTGAAAATTATGGGCTCAACCCATAACCTGCATTTGAAACTGTACTTCTTGAGTACTGGAGAGGCAGGCGGAATTCCGTGTGTAGCGGTGAAATGCGTAGTTTTACTGAGGAATACCACTACCGACGGCGGCCAGCCTCACACCATATGAGGCTCACTTCCGAAATCCTGGGGAGAGAACAGGATTAGATACCCTGGTA

>OTU12729;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Clostridiaceae_1(0.5273),g:Clostridium_sensu_stricto(0.2171);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACTCGGATGCAGCAATGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCTACGGATAACTACGTGCCAGCAGACGCGGGAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTTTTAAGTGAGATGTGAAATACCCGGGCTTAACTTGGGTGCTGCATTTCAAACTGTAAGTCTAGAGTGCAGGAGAGGTAAAGTGAATTCCTATTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGCTTCTCTGGACTGTAACTGACGCTTAGTCTCGAAAGCGTGGGGAACAAACAGGATTTGATACCCTGGTA

>OTU12728;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:Sphingobacteriia(0.0726),o:"Sphingobacteriales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Parapedobacter(0.0056);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGACGGAATACGGCCCTCTGGGTCTTAAACGTCTTTGGTCCCGGAGCAATAAGAGACACGCGTGGATCGGTGAGAGTCCGGTAAGAACAAGCATCGGCTAACTCCGTGCCAGCAGGAGCGATAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGGGTGGTAAGTCAGCCGTGAAAGGCCCACGTTCAACGTGGAACTTGCGTTGGATACTGCCTGCCTGGAATGCGGAAGCCGTAGGAGGAATGTGTGGTGTAGCGGTGAAATGCATAGATATCACACAGAACACCGATTGCGAAGGCAGCTTACGGATCCGCAATTGACGCTGAGGCACGAAAGCGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU12730;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Rumi
nococcaceae(0.3204),g:Oscillibacter(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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AGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGCAGTCGGGCTGACA
AGTCAGATGTGAAATCCCGAGGCTTAACCTCCGAACTGCATTTGAAACTGTTGGTCTTTAGTATCGGAGAGGTCATCG
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>OTU12731;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.7547),c:Actinobacteria(0.4428),o:Coriobacteriales
(0.2039),f:Coriobacteriaceae(0.0904),g:Collinsella(0.0134);
ACGGAAGGCAGCAGTGGGGAATCTTGCGCAATGGGGGCAACCCTGACGCAGCGACGCCGCGTGCGGGACGGAGGC
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AGCGTGTTGTGAAATGCAGTCGCTCAACGTCTGCACTGCAGCGCGAACTGCCCAGCTTGAGTGCGCGCAACGTTGGC
GGAATTCGCCGTGTAGCGGTGAAATGCTTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGTCAACTGGACGATA
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0547),f:Bacteroidaceae(0.0113),g:Bacteroides(0.0056);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGACGGAAGACGGC
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GTGCGTAGGCGGGGTGGGAAATCAGCCGTGTAATGTGCACGCTGAAAGTGGATCGTGCGTTTGATACTGCCGTCCTT
GAAAGCGGAGGCCGTGGGAGGAATGTGTGGTGTAGCGGTGAAATGCATAGAGATCACGAAGAACGCCGATTTCGA
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>OTU12732;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Bacilli(0.5963),o:Lactobacillales(0.3319),f:Lactob
acillaceae(0.1679),g:Lactobacillus(0.0423);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGCCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
CTTCGGATCGTAAAACTCTGTTGTTAGAGAAGAACACGAGTGAGAGTAACTGTTCATTCGATGACGGTATCTAACCAG
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TCTAGAGTGCAGGATAGGAGAGTCGAATTCCTAGTGTAGCGGTGAAATGCGTATCGATTAGGAAGAACCCCAGTGG
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>OTU12734;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9572),c:Fusobacteriia(0.8755),o:"Fusobacteriales"(0.7252),f:"Fusobacteriaceae"(0.4563),g:Fusobacterium(0.0230);

ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGACCAAACGTCTGATCCAGCAATTCTGTGTGCTCTATTAAGTTTTTCTGACTGTAAATTGCTTTCAGTTTGGACGAAGTAAGTGACGGTACCAACAGACGAAGCGCCGGCTAAATCCGTGCCAGCCGCCGCGGTAATACGTATTTCGCACTCGTTATCCGTATTTATTGGGCGTAAAGCGCGTCTAGGCGGTTTGGTAAGTCTGATGTGAAAATGCGGGGCTCAACTCCGTATGGCGTTGGAAACTGACTAACTAGAGTATCGGAGAGGTGGGCGGAACTACAAGTGTAGAGGTGAAATTCGTAGATATTTGTAGGAAGGCCGATAGAGAAGACAGCTCAATGGACGAATACTGACACTGAAGAGCGAAAGCATGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU12737;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9762),o:"Bacteroidales"(0.9497),f:"Prevotellaceae"(0.8864),g:Prevotella(0.5720);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTGTAGGGGGATAAAGTGTGCCACGGATTGAATATTGCAGGTACCCGATGCATAAGAGCCGGCTAATTCTGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTAGTGGGTTTAAAGGGAGCGTAGGCCGTCTTATAAGCGAGGTGTGAAATGTCGGGGCTCAACCTGGGCATTGCCGCGCGAACTGTGAGACTTGAGTACGCAGGAGGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU12735;tax=d:Bacteria(1.0000),p:Firmicutes(0.3448),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Ruminococcaceae(0.0252),g:Oscillibacter(0.0066);

ACGGAAGGCAGCAGTAAGGAATCTTGCTCAATGGACGAAAGTCTGATGGAGCAACGCAGCGTGAGTGAAGAAGGTCTTCGGATTTTAAAACTCCGTTGTTAGAGAAGAACACTAGTGAGAGTAAGTGTTCATTCGATTACGGTAGCAAAGGAGGAAGGTTCGGCTAACTACAGGACAGCAGCCGCGGTAATACGTAGGTGGATAGCGTTGTCCGGAGTTACTGGGTGTAAAGGGAGTGTAGCCGGGAAGGCAAGTCAGATGTGAAATCCACGGGCTTAACTCGTGAACTGCATTTGAAACTGTTTTTCTTGGGTATCGGAGAGGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU12736;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9711),o:"Bacteroidales"(0.8737),f:"Prevotellaceae"(0.5991),g:Prevotella(0.2607);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGTCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGCCCTATGGGTTGTAAACTGCTTTTATACGGGGATAAAGTGGGCCATGTGTGGCTTATTGCAGGTACTGTATGAATAAGGATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTCGTCTGTTAAGTGTGTTGTGAAATGTCGGGGCTCAACCTGGGAATTGCAGCGCGAACTGGCTAACTTGAGTGCACAGGAGGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTGGCGTAACTGACGCTGAAGCTCGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU12738;tax=d:Bacteria(0.9827),p:"Bacteroidetes"(0.1707),c:"Bacteroidia"(0.0626),o:"Bacteroidales"(0.0413),f:Prolixibacteraceae(0.0086),g:Meniscus(0.0043);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCATGCCGCGTGAAGGAATAAGGCCCTATGGGTCGTAAACTTCTTTTGACGGGGAGCAATAAGGTCTACGTGTAGGCCGATGAGAGTACTCGTCGAATAAGCATCGGCTAAATCCGGGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTGTCCGGATTTGCTGGGTGTAAAGGGCGTGTAGCCGGGAGGGCAAGTCAGATGTGAAATCCGTGGGCTTAACCCACGAACTGCATTTGAAACTGTTTTGCTTGAGTGAAGTAGAGGCAGGCGGAATTCCCTGTGTAGCGGTGACATGCATAGATATGATTCAGAACACCGATCGCGAAGGCAGCTTGCGAGGATACGATTGACGCTGAAGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU12739;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.9740),o:"Bacteroidales"(0.9172),f:"Prevotellaceae"(0.8864),g:Prevotella(0.5720);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGCAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATAAGGACCGGCTAATTCCGCGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTTATAAGCGAGTTGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGCAAACTGTGAGACTTGAGTGCGCAAGAGGTAGGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACACCGATGGCGAAGGCGGCCTGCTGTAGCGCAACTGACGCTGAGGCTCGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA
>OTU12741;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9762),o:"Bacteroidales"(0.9497),f:"Prevotellaceae"(0.8146),g:Prevotella(0.6200);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCGGAACAAGCCAAGTAGCGTGCAGAACGACGGCCCTATGGGTTGTAAACTGCTTTTTTAAGGGAATAAAGTGAGTCTCGTGGGACTTTTTCAATGTACCTAATGAATAAGGACCGGCTAATTCCGTCCCAGCAGCCGCGGTAATACGAAAGGTCCGGCCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGGAGATTAAGCGTGTTGTGAAATGTAGATGCTCAACATCTGCACTGCAGCGCGAACTGGTTTCCTTGAGTACGCACAAAGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGAGCGCAACTGACGCTGAAGATCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU12740;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Bacilli(0.5579),o:Lactobacillales(0.2999),f:Lactobacillaceae(0.1485),g:Lactobacillus(0.0326);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTAGAGAAGAACGTGCGTGAGAGCAACTGTTCACGCAGTGACGGTATCTAACCAGAAAGTCAAGGCTAACTACGTCCCAGCAGCCGCGGTAATACGTACGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGTGTCTAGGCGGTTTGGTAAGTCTGATGTGAAAATGCGGGGCTCAACTCCGTATTGCGTTGTAAACTGGCAAAATAGAGTACTGGAGAGGTTGGCGGAACTACAAGTGTAGAGGGTAAAATGGTAGAAATTTGTAGGAAAGCCGAAGGGGAAGCCAGCCCACTGGACAGATATTGAAGCTAAAGCGCGAAAGCGTGGGTGGCAAACAGGATTAGATACCCTGGTA

>OTU12742;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9988),c:Gammaproteobacteria(0.9747),o:"Enterobacteriales"(0.8737),f:Enterobacteriaceae(0.7787),g:Escherichia/Shigella(0.4351);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGGAGCCATGCCGCGTGTATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTGCTCATTGACGTTACCCGCAGAGGAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAGGTGGCAAGCGTTAATCGGAATTATTGGGCGTAAAGCGCACGCAGGCGGTTTGTTAAGTCAGATGTGAAAGCCCCGGGCTCAACCTGGGAACTGCATCGGATACTGGCAAGCTTGAGTGTAGTAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGATATATGGAGGAATACCAGTGGCGAAGGCGGCCCCCTGGACGGAGACTGACGCTCAGGTTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU12743;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Lachnospiraceae(0.3544),g:Clostridium_XlVa(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATTTCGGGATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACGAAGAAGCACCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCTTTTTAAGTGTGATGTGAAAGCCCGGGGCTTAACCTGGGGACTGCATTTGAAACTGTAAGGCTAGAGTGCAGGAGAGGTGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTGGGAGGAACACCAGTGGCGAAGGCGCTTTACTGGACTGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU12745;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9993),c:Fusobacteriia(0.9877),o:"Fusobacteriales"(0.9940),f:"Fusobacteriaceae"(0.9201),g:Fusobacterium(0.1735);
ACGGAAGGCAGCAGTGGGGAATATTGGACAATGGACCAAAAGTCTGATCCAGCAATTCTGTGTGCACGATGAAGTTTTTCGGAATGTAAAGTGCTTTCAGTTGGGACGAAGTAAGTGACGGTACCAACAGAAGAAGCGACGGCTACATACGTGCCAGCAGCCGCGGTAATACGTAGGTCGCAATCGTTATCCGGATTTATTGGGCGTAAAGCGCGTCTAGGCGGTTTGGTAAGTCGGATGTGAAAATGCGGGGCTCAACTCCGTAGTGCATTGGAAACTGTCAGACTAGAGTACAGGAGAGGTGGACGGAACTACTAGTGTAGGGGTGAAATTCGTAGATATTTGTAGGAATGCCGATGGGGAAGGCAGCCCACTGGACAGATACTGACGCTAAAGCTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU12744;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Clostridiaceae_1(0.1872),g:Clostridium_sensu_stricto(0.0519);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGCCTGATGGAGCAATGCCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGTTCTGTCGGTAGTGAAGAAAGATAGAGGTAGTATCCGGTTTCTATTTGACGGTAATTACTTAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTTCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAAGTGAGATGTGAAATACCCGGGCTCAACTTGGGTACTGCATTTCAAACTGGAAGGCTAGAGTGCAGGGGAGGAGAATAGAATTCCTGGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTG

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nococcaceae(0.4224),g:Ruminococcus(0.2171);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAAGGATGAAGGC
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nospiraceae(0.1872),g:Blautia(0.0230);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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(0.1249),f:Actinomycetaceae(0.0457),g:Actinomyces(0.0110);
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libacteraceae(0.0457),g:Gracilibacter(0.0110);
ACGGATGGCAGCAGTGGGGAATCTTGGGCAATGGGGGAAACCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGGT
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riales"(0.0781),f:Sphingobacteriaceae(0.0252),g:Parapedobacter(0.0076);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGACGGAAGACGGC
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acillaceae(0.1098),g:Lactobacillus(0.0204);
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nospiraceae(0.2864),g:Clostridium_XlVa(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTC
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1483),f:"Porphyromonadaceae"(0.0560),g:Barnesiella(0.0134);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATAGGCGCAAGCCTGAACCAGCCAAGTCGCGTGAAGGATGACGGTC
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,f:Synergistaceae(0.1098),g:Dethiosulfovibrio(0.0204);
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0781),f:"Porphyromonadaceae"(0.0252),g:Porphyromonas(0.0076);

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7252),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0423);
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4652),f:Bacteroidaceae(0.1485),g:Bacteroides(0.0326);

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nococcaceae(0.3884),g:Ruminococcus(0.0904);
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nococcaceae(0.3204),g:Ruminococcus(0.0904);
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rionales(0.9389),f:Desulfovibrionaceae(0.8146),g:Desulfovibrio(0.7162);
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9685),f:"Prevotellaceae"(0.9015),g:Prevotella(0.6200);
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0413),f:"Porphyromonadaceae"(0.0099),g:Porphyromonas(0.0046);
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bacteriales"(0.8955),f:Enterobacteriaceae(0.8505),g:Escherichia/Shigella(0.4787);
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nococcaceae(0.1098),g:Clostridium_IV(0.0134);
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0473),f:"Porphyromonadaceae"(0.0099),g:Barnesiella(0.0046);
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2999),f:"Prevotellaceae"(0.1291),g:Alloprevotella(0.0181);
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nospiraceae(0.4224),g:Lachnospiracea_incertae_sedis(0.1299);
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9606),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);
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CGTAGGTGGACTGGTAAGTCATTTGTGAAAGTTTGCGTCTCAACCGTAAAATTTCGGTTGATACTGTCAGTCTTGAGT
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1015),f:Prolixibacteraceae(0.0355),g:Prolixibacter(0.0087);
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nospiraceae(0.3884),g:Clostridium_XlVa(0.1299);
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nospiraceae(0.0099),g:Lachnospiracea_incertae_sedis(0.0046);
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5766),f:"Rikenellaceae"(0.3884),g:Alistipes(0.1735);
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8846),f:Bacteroidaceae(0.4914),g:Bacteroides(0.3043);
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652),f:Erysipelotrichaceae(0.2864),g:Turicibacter(0.0808);
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ridiaceae_1(0.0904),g:Clostridium_sensu_stricto(0.0181);
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nospiraceae(0.5273),g:Blautia(0.3043);
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7995),f:Bacteroidaceae(0.3544),g:Bacteroides(0.1299);
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1015),f:Bacteroidaceae(0.0355),g:Bacteroides(0.0087);
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ostreptococcaceae(0.1485),g:Clostridium_XI(0.0326);
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ridiaceae_1(0.1291),g:Clostridium_sensu_stricto(0.0230);
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4280),f:"Prevotellaceae"(0.0710),g:Prevotella(0.0157);
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95),f:Spirochaetaceae(0.5991),g:Treponema(0.3043);
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3639),f:"Porphyromonadaceae"(0.1679),g:Parabacteroides(0.0326);
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9280),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);
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cteriaceae(0.1872),g:Eubacterium(0.0519);
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7995),f:"Prevotellaceae"(0.1872),g:Prevotella(0.0519);
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GGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTA
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nococcaceae(0.3544),g:Clostridium_III(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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CAAGTCAGATGTGAAATTCCGGGGCTCAACCCCGGAACGGCATTTGAAACTGTAGTCCTTGAGTATCGGAGAGGCAA
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2039),f:"Prevotellaceae"(0.0904),g:Prevotella(0.0181);
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>OTU13025;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Lach
nospiraceae(0.0355),g:Blautia(0.0087);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCCAAGTAGCGTGAAGGATGACTGC
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2999),f:"Porphyromonadaceae"(0.1291),g:Barnesiella(0.0157);
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ACGGATTGTAAACCTCTTTAGCCGGGGAGCAACGTGCGCCACGCGTGGCGCAGTGAGAGTACCCGGAGAATAAGCA
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nospiraceae(0.1679),g:Clostridium_XlVa(0.0326);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGATGAAGGA
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GAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGGTCAACTGGACTATAA
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3319),f:"Porphyromonadaceae"(0.1485),g:Barnesiella(0.0181);
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CAGGCGGCGCGTCAAGCCGGCGGTAAAATTGCGGGGCTCAACCCCGTAGAGCCGTCGGAACTGGCGAGCTTGAGTG
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7995),f:Bacteroidaceae(0.3544),g:Bacteroides(0.1299);
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8520),f:"Prevotellaceae"(0.4914),g:Prevotella(0.0904);
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>OTU13028;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.6899),c:Alphaproteobacteria(0.4045),o:Kiloniellal
es(0.1483),f:Kiloniellaceae(0.0560),g:Kiloniella(0.0134);
ACGGAAGGCAGCAGTGGGGAATATTGGACAATGGGCGAAAGCCTGATCCAGCCATGCCGCGTGAATGAAGAAGGT
CTTCGGATTGTAAAGCTCTTTAATTGGGGAAGATAATGACGGTAGTCATAGAGGAAGTCCTGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTTCGGAATTACTGGGCGTAAAGGGAGCGTAGGCGGCTTGATAA
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8303),f:"Prevotellaceae"(0.4914),g:Prevotella(0.2607);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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>OTU13034;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lach
nospiraceae(0.2864),g:Eisenbergiella(0.0712);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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>OTU13033;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Helio
bacteriaceae(0.0560),g:Heliorestis(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGAAGAAGGT
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1015),f:"Porphyromonadaceae"(0.0149),g:Barnesiella(0.0066);
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nospiraceae(0.0149),g:Clostridium_XlVb(0.0066);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGCGGGAAGAAGGT
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ridiaceae_1(0.5991),g:Clostridium_sensu_stricto(0.3043);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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0352),f:Prolixibacteraceae(0.0073),g:Prolixibacter(0.0039);
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0413),f:"Rikenellaceae"(0.0099),g:Rikenella(0.0046);
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nospiraceae(0.1291),g:Clostridium_XlVa(0.0230);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGGAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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0781),f:Prolixibacteraceae(0.0252),g:Prolixibacter(0.0076);
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7995),f:Bacteroidaceae(0.2864),g:Bacteroides(0.0808);
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1015),f:"Prevotellaceae"(0.0113),g:Prevotella(0.0056);
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09),f:Spirochaetaceae(0.4563),g:Treponema(0.0808);
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8629),f:"Prevotellaceae"(0.4563),g:Prevotella(0.1299);
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cteriaceae(0.0099),g:Alkalibacter(0.0046);
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4652),f:"Prevotellaceae"(0.1872),g:Alloprevotella(0.0204);
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3959),f:"Porphyromonadaceae"(0.1291),g:Butyricimonas(0.0230);
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23),f:Spirochaetaceae(0.5632),g:Treponema(0.2171);
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AACTGACGCTGAAGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13101;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Rumi
nococcaceae(0.5991),g:Oscillibacter(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGAAGGC
AAGTCAGATGTGAAATCCACGGGCTTTACTCGTGAACTGCAATTTGAACTACTTTTCTTTAGTAACGGGGAGGCAATC
GAAATTCCTAGTGTAGGGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGACA
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acillaceae(0.0000),g:Lactobacillus(0.0000);
TGCGTTCGCTACTGGTGCTATGTCTGTTGACGGCCATAATGCTGCTTCTGACGTTCGTGATGCGTTTGTATCTGTTACT
GAGAAGTTACTTGCTGAATTGGCACAATGCTACAATGTGCTCCCCCAACTTGATATTAATAACACTATAGACCACCGC
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GCCCTCTTAAGGATATTCGCGATGAGTATAATTACCCCAAAAAGAAAGGGATTAAGGATGAGTGTTCAAGATTGCTG
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:Caldisericaceae(0.0000),g:Caldisericum(0.0000);
TTTTTCTGATACGCTGGTTCTCACTTCTGTTCCTCCCGCTTCTCCGGCCCCTGTTTTACCGCCACCTAAAGCTACATCGTC
AACGTTATATTTTGATAGTTTGACGGTTAATGCTGGTAATGGTGGTTTTCTTCATTGCATTCAGATGGATACATCTGTC
AACGCCGCTAATCAGGTTGTTTCTGTTGGTGCTGATATTGCTTTTGATGCCGACCCTAAATTTTTTGCCTGTTTGGTTCG
CTTTGAGTCTTCTTCGGGTCCGACTACCCTCCCGACTGCCTATGATGGGTATCCGTGGGATGGTCGCCATGAGGGTGG
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>OTU13104;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Lachnospiraceae(0.3544),g:Clostridium_XlVa(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCCGATGCAGCGACGTCGCGTGAAGGAAGAAGTATTTCGGTATGTAAACTTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAGGAAGCTCCGGCTAACTACGTTCCAGCAGCGGCGGCTCTACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGTGGTGCAAGTCTGATGTGAAGACCCGGGGCTCAACCGCGGGACTGCAGTGGAAACTGCATGGCTGGAGTGTCGGAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13107;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachnospiraceae(0.3544),g:Clostridium_XlVa(0.0808);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGCCGGTACCTGACTAAGAAGCCTCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTCGGCGGCAAGCGTTATCCGGATTTACGGGGTGTAAAGGGAGCGTAGACGGCGATGCAAGCCCGATGTGAAAGCCCGGGGCTCAACCCCGGGACTGCATTGGGAAATGCGTGACTGGAGTGTCGGAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATAAGGAGGAAAACCAGTGGCGAAGGCGGCATGCTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGGAAACAGGATTAGATGCCCTGGTA
>OTU13106;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9988),c:Gammaproteobacteria(0.9747),o:"Enterobacteriales"(0.8629),f:Enterobacteriaceae(0.7428),g:Escherichia/Shigella(0.3043);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCGATGCCGCGTGTATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAGAGTTAATACCTTTGCTCATTGACGATACCCTCCGACGAAGCACCGGCTAACTTCGTGCCAGCAGGCGCGGCAATATGGAGGGTGCAAGCGTGAATCGGAATTACTGGGCGTAAAGCGCACGCAGGCGGTTTGTTAAGTCAGGTGTGAAATCCCCGGGCTTAACCTGGGAACTGCATCGGATACTGGCAAGCTTGAGTACCGTAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGGCGAAGGCGGCCCCCTGGACGAAGACTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13108;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Bacilli(0.9856),o:Lactobacillales(0.9063),f:Lactobacillaceae(0.7787),g:Lactobacillus(0.3043);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCTGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGATCGTAACTGTTCTCGCAGTTACGGTATCCAACCAGAAAGTCACGTCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCGGGCGGTTGATTAGGTCTGATGTGAGAGCCGTCGGCTCAACCGAAGAAGTGCGTCGGAAACCGGGCGCCTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACTCCAATG

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5766),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0181);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCGAAGTAGCGTGCAGGATGACGGC
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GAACGGCTAGTTCAGTGCCATCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
CGCGTAGGCCGTCTGGTAAGCGTGGCGTGAAATGTCGGGGCTCAACCTCGGAACTGCGTCGCGAACTGGCAGACTT
GAGTGAGCAGGACGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAA
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>OTU13111;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lach
nospiraceae(0.3204),g:Clostridium_XlVa(0.0904);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGAAGCCGCGTGAGTGAAGAAGTA
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CAGCCGCGGTAATACGTACGGGACGAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGATGCAAG
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GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCGGCTTACTGGACAGTAA
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>OTU13109;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9348),c:Epsilonproteobacteria(0.8048),o:Campylo
bacterales(0.5395),f:Campylobacteraceae(0.3544),g:Campylobacter(0.1299);
ACGGGAGGCAGCAGTAGGGAATATTGCGCAATGGGGGAAACCCTGACGCAGCAACGCCGCGTGGAGGATGACACT
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AGTCTGAAGTGAAACTCCTGCTTTTAAGGCAGGAACTGCTTTGGATACTGGATGGCTTGAGTGCAGGAGAGGTAAGC
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a_genera_incertae_sedis(0.0000);
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AAAATGAGAAAATTCGACCTATCCTTGCGCAGCTCGAGAAGCTCTTACTTTGCGACCTTTCGCCATCAACTAACGATTC
TGTCAAAAACTGACGCGTTGGATGAGGAGAAGTGGCTTAATATGCTTGGCACGTTCGTCAAGGACTGGTTTAGATAT
GAGTCACATTTTGTTCATGGTAGAGATTCTCTTGGTGACATGTTAAAAGAGAGTGGATGACTATCTGAGTCCGATGAT
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>OTU13114;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.8628),c:Epsilonproteobacteria(0.6730),o:Campylobacterales(0.3959),f:Campylobacteraceae(0.2184),g:Campylobacter(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAACGCCGCGTGAGGGAAGAAGGGTTTCGGCTCGTAAACCTCTGTGCTCTGGGACGAACGCAATGACGGTACCATAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGATTATCAAGTCGCTTGTGAAATCTAATGGCTTAACCAGTAAGCTGCTTGGGAAACTGATAGTCTTGAGTGAGGGAGAGGTAGGTGGAATTGGTGGTGTAGGGGTAGAATGCGTAGATATCACCAAGAATACCCATTGCGAAGGCGATCTGCTGGAACTTAACTGACGCTAAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13116;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Lachnospiraceae(0.4914),g:Dorea(0.3043);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCCGATGCAGCGACGCCGCGTGAAGGATGAAGTATTTCGGTATGTAAACTTCTATCAGCAGGGAAGAAAATGACGGTACCTGAATAAGAAGCAACGGCTAACTAGGTGACAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTTTGCAAGCCAGATGGGAAAGCCCGGGGCTCAACCCCTGGACTGCAGTTGGAACTGTAATGCTAGAGTGTCGGAGAGGCAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCGGCTTTCTAGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU13115;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9711),o:"Bacteroidales"(0.8737),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0712);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCCGAACCAGCCAAGTAGCGTGAAGGATGACGGCTCTATGGGTCGTAAACTTCTTTTATGCAAGAATAAAGTGCCGTATGTATACTGGTTTGTATGTATTATATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGCGTTTAAGTCAGATGTGAAAGGTAGGCGCTCAACCTTAAAACTGCAGTTGATACTGGGTGCCTTGAGTGCAGTATAGGCCGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCTATTGCGAAGGCAGCCTGCTGGAGTGTAACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU13112;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8448),c:"Bacteroidia"(0.5195),o:"Bacteroidales"(0.2679),f:"Prevotellaceae"(0.0560),g:Prevotella(0.0110);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGCGTGAGGGAAGACTGCCCTACGGGTTGTAAACCTCTTTTGTTTGGGAATAAAGTGCGGTACGCGTCCCGCATTGCCTGTACCATTTGAATACAGACCGGCTAATTCCGTGCCAGCAGCCGCGGTTATACGGAAGTTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGTGGGTTAAGCGTGACGTGAAAGTCCGGGGCTCAACGGCGGAAGTGCGGCGCGAACTGGTCGACTTGAGTACGCGGGACGTTGGCGGAATTCGTGGTGTAGCGGTGAAATGCGTAGATATCACGAAGAACTCCGATGGCGAAGGCAGCTGACGGGAGGGCAACTGACGCTGAGGCTCGAAAGTGCGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU13117;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9719),o:"Bacteroidales"(0.8846),f:Bacteroidaceae(0.5991),g:Bacteroides(0.4351);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGACCCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAACCTTCTTTTATATGGGAATATAGTTCAGTATGTATACTGTTTTGTATGTACCATATGAATAAGGATCGGCTACCTCCGTGCCAGCAGCCGCGGTAATACGGAGGTTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGACGCTTAAGTCAGATGTGAAAGGTTGCGGCTCAACCGTAAAATTGCAGTGGATACTGGGTGTCTTGAGTGCAGGAGAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCGTAGATATCACGAAGAACTCCGATGGCGAAGGCAGCTTACTGGACTGTAACTGACGCTGAGGCTCGAAAGTGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU13118;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9784),o:"Bacteroidales"(0.9707),f:"Prevotellaceae"(0.9015),g:Prevotella(0.7643);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTTTAAACTGCTTTTATAAGGGAATAAAGTGAGCCTCGTGAGGCTTTTTGCATGTACCTTATGAATACGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATCCGGAAGGTCCGGGCGTTATCCGGATGTATTGGGTTTAAAGGGAGCGTAGGCCGGAGATTAAGCGTGTTGTGAAATGTAGATGCTCAACATCGGCGCTGCAGCGCGAACTGGTTGCCTTGAGTGCGGACGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCGTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGAGCGCAACTGACGCTGAAGCTCGAAAGTGCGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU13120;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9866),o:"Bacteroidales"(0.9941),f:"Rikenellaceae"(0.9890),g:Alistipes(0.9912);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGACGCAAGTCTGAACCAGCCATGCCGCGTGCAGGATGAAGGTGCTATGCATTGTAAACTGCTTTTGTACGAGGGTAAATGCAGGTACGTGTGCCTGTTTGAAAGTATCGTACGAATAAGGGTCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGACCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGATTAGTAAGTTAGAGGTGAAAGCTCGATGCTCAACATCGAAATTGCCTCTGATACTGTTAGTCTAGAGTATAGTTGCGGAAGGCGGAATGTGTGGTGTAGCGGTGAAATGCTTAGATATCACACAGAACACCGATTGCGAAGGCAGCTTTCCAAGCTATTACTGACGCTGATGCACGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU13119;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Ruminococcaceae(0.1098),g:Ruminococcus(0.0181);

ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGCGCAAGCCTGATGCAGCGACGCCGCGTGTGGGAAGACGGCCCTCGGGTTGTAAACCACTGGCTTTGGGGACGATAATGACGGTACCCAAGGAGGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGAGTGCAAGTTGAATGTTTAAGCGTGCAGCTCAACTGCATCTCGCCTTGCGAACTGGACTACTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGACGGCGGCTTTCTGGACTGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13122;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Bacilli(0.9812),o:Lactobacillales(0.9685),f:Lactobacillaceae(0.9108),g:Lactobacillus(0.7162);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGGTAGTGAAGAAAGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATTACTTAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTGATAAGTCTGATGTGAAAGCCTTTGGCTTAACCAAAGAAGTGCATCGGAAACTGTCAGACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTTGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU13121;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Ruminococcaceae(0.2524),g:Clostridium_IV(0.0181);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTCTTCGGATTGTAAACTTCTTTTATGAGGGACGAAGGACGTGACGGTACCTCATGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGGATGCAAGTCAGATGTGAAATCTATGGGGTTAAACCATAAAAGGCATTTGAAACTGTATTCCTTGAGTGCTGGAGAGGTAGATGGAATTCCTTGGGGAGCGGTGAAATGCGGAGAAATTAGGGGGAACAACAGGGGCGAAGGCGGATTGCTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACTCTGGTA

>OTU13124;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9776),o:"Bacteroidales"(0.9685),f:"Porphyromonadaceae"(0.9294),g:Parabacteroides(0.9686);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGTAGCCTGAACCAGCCACGTAGCGTGAGGGATGAAGGTTCTATGGATCGTAAACCTCTTTTATAAGGGAATAAAGTGCGGGACGTGTCCCGTTTTGTATGTACCTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGCCTTTTAAGTCAGCGGGGAAAGTCTGTGGCTCAACAAGAGAATTGCCGTTGAAACTGGGGGGCTTGAGTATGTGGGAGGCAGGCGGAATGCGTGGTGTAGCGGTGAAATGCTTAGATATCAGGCAGAACACCGATTGCGAAGGCGGCTTGCCAAGCCATGACTGACGCTGATGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU13123;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Negativicutes(0.3483),o:Selenomonadales(0.1483),f:Veillonellaceae(0.0560),g:Megasphaera(0.0134);

ACGGAAGGCAGCAGTGGGGAATCTTCCGCAATGGACGAAAGTCTGACGGAGCAACGCCGCGTGAACGATGACGGCCTTCGGGTTGTAAAGTTCTGTTATACGGGACGAATGGTACGACGGTCAATACCCGTCGTAAGTGACGGTACCGTAAGAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGATAATACGTAGGTGGCAAGCGTTGTCCGGAATTATTGGGTTTAAAGGGCGCGTAGGCGGGACGTCAAGTCAGCGGTAAAAGACTGCAGCTAAACTGTAGCACGCCGTTGAAACTGGCGCCCTGGAGACGAGACGAGGGAGGCGGAACAAGTGAAGTAGCGGTGAAATGCATAGATATCACTCAGAACACCGATTGCGAAGGCATCTCACGAAGGGGCGATTGACGCTGAGGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU13125;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9987),c:Betaproteobacteria(0.9719),o:Burkholderiales(0.8412),f:Sutterellaceae(0.5991),g:Sutterella(0.4351);
ACGGGAGGCAGCAGTGGGGAATCTTGCGCAATGGGGGCAACCCTGACGCAGCGACGCCGCGTGAGTGAAGAAGGCCTTCGGGTTGTAAACTTCTTTTAAGAGGGACGAAGGACGTGACGGTACCTCTTGAATAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGTGCGCAGGCGGTTCTGTAAGACAGATGTGAAATCCCCGGGCTTAACCTGGGAATTGCATTTGTGACTGCAGGACTAGAGTTCATCAGAGGGGGGTGGAATTCCAAGTGTAGCAGTGAAATGCGTAGATATTTGGAAGAACACCAATGGCGAAGGCAGCCCCCTGGGATGCGACTGACGCTCATGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13126;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Ruminococcaceae(0.7428),g:Oscillibacter(0.4351);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTAAGGGGGAAGAGCAGAAGACGGTACCCCTTGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTATTGGGCGTGCAGCCGGAGAGACAAGTCAGATGTGAAATCCGCAGGCTCAACCTGCGAACTGCATTTGAAACTGTTTCCCGTGAGTATCGGAGAGGTCATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGTGAAGGCGGATGACTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13128;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9882),o:"Bacteroidales"(0.9939),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGCAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATATGGGAATAAAGTTCAGTATGTATACTGTTTTGTATGTACCATATGAATAAGGCTCGGCCAACTCTGTGCCAGCAGCCGCGGTAATCCGGAGGATCTGAGCGTTATCCGGACTTATTGGGTTTAAAGGGAGCGTAGGCGGACGCTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGGTGTCTTGAGTGCAGCAGAGGTAGGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTTACTGGACTGTAACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU13127;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Lachnospiraceae(0.1098),g:Marvinbryantia(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGGGTGAAGGAGCGTTTCGGCGCGTAAAGCCCTGTCAGCGGGGAAGAAGAAAGACGGTACCCGACCAAGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGAATGACTGGGTGTAAAGGGAGCGTAGACGGCGAGGTAAGCCTGAAGTGGAAGCCCGCGGCCCGACCGCGGAACTGCTTTGGGAACTGTTTTGCTTGAGTATGGGAGGGGTAAGCGGAATTCCTGGTGTAGCGATGAAATGCATAGATATCAGGAGGAACACCGGTGGCGAAGGCGGCTTACTGGACCATAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU13129;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9671),c:Actinobacteria(0.8897),o:Coriobacteriales(0.7252),f:Coriobacteriaceae(0.5273),g:Gordonibacter(0.0519);

ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGGGGAAACCCTGACGCAGCAACGCCGCGTGCGGGATGAAGGCCTTCGGGTTGTAAACCGCTATCAGCAGGGAAGATCCAAGACGGTACCTGCAGAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGATTCATTGGGCGTAAAGCGCGCGCAGGCGGGTTGCTAAGCGGGACCTCTAATCTCAGGGCTCAACCTTGAGCCGGGTCCCGAACTGGCAGCCTCGGGTTCGGTAGGGGAGATCGGAATTCCCGGTGTAGCGGTGGAATGCGCAGATGTCGGGAAGAACACCGATGGCGAAGGCAGATCTCTGGGCCGCAACCGACGCTGAGGCGCGAAAGCTAGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU13130;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Bacilli(0.8048),o:Lactobacillales(0.5395),f:Lactobacillaceae(0.3204),g:Lactobacillus(0.0904);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTCTTCGGATCGTAAAACTCTGTTGTTAGAGAAGAACACGAGTGAGAGTAACTGTTCATTCGATGACGGTATCTAACCAGCAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGGATGCAAGTCAGATGTGAAATCTATGGGCTTAACCCATAAACTGCATTTGAAACTGTATCTCTTGAGTGCTGGAGAGGTAGATGGAATGCCTTGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTAACTGACGCTGAGGCACGAAAGCATGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13134;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.8897),o:"Bacteroidales"(0.7623),f:Bacteroidaceae(0.2864),g:Bacteroides(0.0808);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGCATACCCGTTTGCATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGTGGCTTGTTAAGTCAGCGGTGAAAGTCAGTGGCTAAACCATTGAATTGCCGTTGAAACTGGCGAGCTTGAGTACGTACGGGGCAGGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU13133;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9994),c:"Bacteroidia"(0.9776),o:"Bacteroidales"(0.9685),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);

ACGGGAGGCAGCAGTGTGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATCAAGGAATAAAGTCGGGTATGGATACCCGTTTGCATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGACGGGATGTTAAGTCAGCTGTGAAAGTTTGCGGCTCAACCGTAAAATGGCAGTTGATACTGGATATCTTGAGTGCAGTTGAGGCAGGCGGAATTCGTTGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATCGCGAAGACAGCCTGCTAAGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU13132;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9540),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.6881),f:"Porphyromonadaceae"(0.4563),g:Parabacteroides(0.2171);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTAAGCCTGAACCAGCCAAGTCGCGTGAGGGATGAAGGTTCTATGGATCGTAAACCTCTTTTATAAGGGAATAAAGTGCGGGACGTGTCCCGTTTTGTATGTACCTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCAGAGCAAGTCAGATGTGAAATCCGTGGGCTTAACCCACGAACTGCATTTGAAACTGTTTTGCTTGAGTGAAGTAGAGGCAGGCGGAATTCCCTGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCAGCTCTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGATA
>OTU13131;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Ruminococcaceae(0.3544),g:Oscillibacter(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCCTTTGACAGGGACGAGTAGAAGACGGTATCTGATGAATAAGACACGGCTAACTACGTGCGAGCAGCCGCGGTAATACGTAGGCCGCAAGTGATGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCGGGGAGGGCAAGTCAGATGTGAAATCCACGGGCTCAACTCGTGAACTGCAGTTGAAACTGCTAGTCTTGAGTATCGGAGAGGCAATCGGAATTCGTGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCAGATTGCTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13135;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Lachnospiraceae(0.2524),g:Clostridium_XlVa(0.0423);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGATAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGCCCTATGGGTTGTAAACCTCATTTGTCGGGGAGCAAGGTCGCTACGTGTAGCGATGTGAGAGTACCCGAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGATGCAAGCCAGATGTGAAAGCCCGGGGCTCAACCCCGGGACTGCATTTGGAACTGTGTGGCTGGAGTGTCGGAGAGGCAGGCGGAATTCCTAATGTAGCGGTGAAATGCGTAGATATTAGGAGGAGCACCAGTGCCGAAGGCGGCCTGCTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13138;tax=d:Bacteria(0.0076),p:Firmicutes(0.0000),c:Bacilli(0.0000),o:Bacillales(0.0000),f:Thermoactinomycetaceae_1(0.0000),g:Laceyella(0.0000);
CTTGGTCATTTAGAGGAAGTAAAAGTCGTAACAAGGTCTCCGTTGGTGAACCAGCGGAGGGATCATTACCGAGTTTACAACTCCCAAACCCCTATGAACATACCTTATGTTGCCTCGGCGGATCAGCCCGCGCCCCGTAAAAAGGGACGGCCCGCCGCAGGAACCTTAAACTCTGTTTTTAGTGGAACTTCTGAGTATAAAAAACAAATAAATCAAAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGC
>OTU13136;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Ruminococcaceae(0.2524),g:Ruminococcus(0.0423);

ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGT
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AGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAATAGCA
AGTCTGAAGTGAAATCATAGGGCTCAACCCTGTAATTGCTTTGGAAACTGTTGATCTTGAGTACCGGAGGGGCAGGC
GGAATGCCTGGTGTAGCGGTGAAATGCGTAGATATCAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACGAC
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>OTU13137;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Clost
ridiales_Incertae_Sedis_XI(0.0560),g:Soehngenia(0.0134);
ACGGGAGGCAGCAGTGAGGAATATTGGCCAATGGAGGAAACTCTTACCCAGCAATGCCGCGTGAGTGAAGAAGGTC
TTCGGATTGTAAAGCTCTTTGATTGGGGATGAATAAATGACGGTACCCAAAGAACTAGCCCCGGCTAACTACGTGCC
AGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGACTGGGCGTAAAGGGTGTGTAGGCGGTTTATTA
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TGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACATCAGTGGCGAAGGCGACTTTCTGGACTGTA
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acillaceae(0.5991),g:Lactobacillus(0.4351);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGG
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AGCGTGTGCAGGCGGTTCAATAAGTCAGATGTGAAAGCCTTCGGCACAACCGGGGGATTGCATCAGGAACTGTTAA
ACTTGAGTGCAGAAGAGGAAAGTGGAACTCCAAGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGG
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>OTU13141;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Clost
ridiales_Incertae_Sedis_XIII(0.2524),g:Anaerovorax(0.0712);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGAAGGC
CTTTGGGTAGTAAACTTCTGTCCTTGGGGAAGATAATGACGGTAACCTGGGAGGAAGCCCCGGCTAACTACGGGCCA
GCAGCCGCGGTAATAAGTAGGGGGGAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTGCGTAGGTGGTGTCCTAA
GCACAGGGTTTAAGGCTAAGGCTCAACCATAGTTCGCCCTGTGAACTGTGATACTTGAGTGCAGGAGAGGAAAGCG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAA
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>OTU13140;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:"Bacteroidia"(0.1159),o:"Bacteroidales"(0.
0547),f:Prolixibacteraceae(0.0099),g:Prolixibacter(0.0046);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCCGATCCAGCCATGCCGCGTGCGGGAAGGAGGC
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AGCATCGGCTAACTCCGTGCCAGAAGCCGCGTAAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAG
GGTGCGTAGGCTGTGCGTCAAGGCAGGGGTGAAATTGCGGGGCTCAACCCTGGGGTTGCCGTTGATACTGTCGGGC
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000),f:Haloferacaceae(0.0000),g:Halorubrum(0.0000);
AGCAACTTATCCGAAACGGCAGACGTGCCAGCCTGCAACGTACCTTCCAGACGTCCTTTCCCAGCTTTAGCCATAGCA
CCAGAACCAAAACTCGGGACGGCCTCATCAGGGTTAGGAACATTAGAGCCTTGAATGGCAGATTTAATACCAGCATC
ACCCATGCCTACAGTATTGTTATCGGTAGCAAGCACATCACCTTGAATGCCACCGGAGGCGGCTTTTTGACCGCCTCC
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>OTU13143;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9791),o:"Bacteroidales"(0.
9730),f:"Porphyromonadaceae"(0.9573),g:Butyricimonas(0.9566);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAATGG
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GCGTAGGCGGGACGACAGGTCAGCGGGAAAAGACGGCAGCTAAACTGTAGAACGCCATTGAGACTGGCGCCCTGG
AGACGGGACGAGGGAGGCGGAACAAGTAAAGTAGCGGTGAAATGCATAGATATCACTTGGAACCCCGATAGCGAA
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>OTU13142;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9474),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.
4652),f:"Prevotellaceae"(0.1485),g:Prevotella(0.0230);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGCGTGAGGGAAGACTGC
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ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGCAGGCCGTGGGTTAAGCGTGTGGTGAAAGTCCGGAGCTCAACGGCGGAAGTGCGGCGCGGACTGGTACACTT
GAGTACGCGGGACGTGGGCGGAATTCGTGGTGTAGAGGTGAAATGCGTAAATATCACGAAGAACTCCGATTGCGAA
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>OTU13144;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.
9606),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGAGTGAAGGATGACTGC
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TCGGCTAACTCCGTGCCAGCCGCCGCGGTCATAAGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
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GCAGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAATGCA
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9063),f:Bacteroidaceae(0.6709),g:Bacteroides(0.5239);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGCCGCGTGAAGGATGACTGC
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TACAGTAGAGGTTAGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATCAGGAAGAACTCCGATGGCGAAGGC
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8846),f:"Rikenellaceae"(0.8146),g:Alistipes(0.7162);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCATGCCGCGTGCAGGAAGACGGCT
CTATGAGTTGTAAACTGCTTTTGTACGAGGATAAACTCTCTTACGTGTAAGAGCCTGTAAGTATCGCACGAATAAGGA
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CGTAGGCGGTTTGTTAAGTTAGATGTGAAATATAGGCGCTTAACACCTGCACTGCCTCTAATACTGTTGAACTAGAGA
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>OTU13146;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Erysipelotrichia(0.9604),o:Erysipelotrichales(0.8
629),f:Erysipelotrichaceae(0.7428),g:Turicibacter(0.6200);
ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGAATGATGAAGGC
CCTCCGGTTGTAAAATTCTGTTATATGGGGAGAATGGCTCTAGTAGGAAATGGCTAGAGTGTGACGGTACCTTTTGA
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AAAGAGCGCGCAGGTGGTTGATTAAGACTGATGTGAAAGGCGACGGCTTAACCGTGGAGGGTCATTGGAAACTGGT
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GTA
>OTU13149;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Lach
nospiraceae(0.1872),g:Clostridium_XlVa(0.0423);
ACGGGAGGCAGCAGTGGTGAATATTGCACTATGGGCGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTAC
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CAGCTGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGATGCAAG
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GGAATTCCTAGTGTAGCGGTGAAATGCGTAGTGATTAGGAAGAACACCCGGGGCGCACCGGGTTCTCCAGACTGTA
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erales(0.0000),f:Thermolithobacteraceae(0.0000),g:Thermolithobacter(0.0000);
TCCTCATGGAAGGCGCTGAATTTACGGAAAACCTTATTAATGGCGTCGCGCGTCCGGTTAATGCCGCTGAATTGTTCG
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9753),f:Bacteroidaceae(0.9201),g:Bacteroides(0.9566);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGC
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ridiaceae_1(0.2524),g:Clostridium_sensu_stricto(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCCACGCCGCATGAGTGAAGAAGTA
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monadales(0.0000),f:Moraxellaceae(0.0000),g:Acinetobacter(0.0000);
ACCCTCTTTCCTGCTGAACCGCTCTTCCGATCAAAAGCCGCCTCCGGTGGCATTCACGGTGCTGTGCTTGCTACCGCTA
CCAATACTGTAGGCATGGGTGATGCTGGTATTAAATCTGCCATTCAAGGCTCTAATGTTCCTAACCCTGATGAGGCCG
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2679),f:"Prevotellaceae"(0.0355),g:Prevotella(0.0087);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGCGCAGCCCTGATCCAGCCACGTCGCGTGAAGGATGACTGCC
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4652),f:"Porphyromonadaceae"(0.1872),g:Butyricimonas(0.0519);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAATGG
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ridiales_Incertae_Sedis_XIII(0.3544),g:Mogibacterium(0.1299);
ACGGAAGGCAGCAGTGGAGAATCTTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAAGGATGAAGGC
CCTTGGGTCGTAAACTTCTGTTCTAAGGGAAGATAATGACGGTACCTTAGGAGCAAGTCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTACGTAGGTGGTTTCCTAA
GCGAGGGGTTTAAGGCAATGGCTCAACCATTGTTCGCCCCCCGAACTGGGTTACTTGAGTGCTGGAGGGGAAAGCG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACAGTAA
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6881),f:Bacteroidaceae(0.3204),g:Bacteroides(0.0904);
ACGGGAGGCAGCAGTGAGGAATATTGGCCAATGGACGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACTGC
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9497),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGA
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CGTAGATGGATGTTTAAGTCAGTTGTGAAAGTCTGCGGCTCAACCGTAAAATTGCAGTTGATACTGTATAGCTTGAGT
GCAGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCGTAGATATCACGAGGAACACCGGTTGTGAAGGC
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>OTU13159;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9507),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.
3959),f:"Porphyromonadaceae"(0.1679),g:Odoribacter(0.0326);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGCAAGGCTGAACCAGCCAAGTCGCGTGAGGGAAGACTGC
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>OTU13161;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Lach
nospiraceae(0.1098),g:Clostridium_XlVa(0.0157);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGCGAAACCCCGATGCAGCCACGCCGCATGAGTGAAGAAGTC
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GCAGCCGCGGTAATACGGAGGGGGCTAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGACGGAGAAGTA
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>OTU13160;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Lach
nospiraceae(0.0710),g:Clostridium_XlVa(0.0134);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGT
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8303),f:Bacteroidaceae(0.4224),g:Bacteroides(0.2171);
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TGCGGATGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAGGAACTCCGATTGCGAAGGC
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>OTU13162;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Clost
ridiaceae_1(0.5991),g:Clostridium_sensu_stricto(0.4351);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCCGATGCAGCAACGCCGCGTGAGTGATGACGGC
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GAATTCCTAGTGTAGCGGTGAAATGCTTATAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGTACTGTAAC
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>OTU13165;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.
7995),f:Bacteroidaceae(0.3884),g:Bacteroides(0.1735);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGAAGACGGC
CCTATGGGTTGTAAACTGCTTTTATAAGGGAATAAAGTCGGGCATGCGTACCCGTTTGCATGTACTTTATGAATAAGG
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTCCGCGCGTTATCCGGATTTATTGGGTTTAAAGGGA
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GTACCGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGG
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>OTU13167;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9711),o:"Bacteroidales"(0.
8737),f:Bacteroidaceae(0.4914),g:Bacteroides(0.3043);
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CGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGTGCGTTATCCGGATTTATTGGGTTTAAAGGGAGC
GTAGATGGATGTTTAAGTGAGATGTGAAAGTTGGCGGCTCAACCGTGAAATTGCAGTTGATACTGGATATCTTGAGT

GCAGTGGAAGCAGGAGGAATTCGTGGTGTAGAGGTGAAATGCTTAGATATCACGAAGAAAGCCGATTGCGAAGGC
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>OTU13164;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Clost
ridiaceae_1(0.5273),g:Clostridium_sensu_stricto(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCCGATGCAGCAATGCCGCGTGAGTGATGACGGC
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GCAGCCGCGGTAATACGGAGGTGGCAAGCGTTGTCCGGATTTACTGGGCGTAAAGGGCGCGTAGGCGGATTTGTAA
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>OTU13166;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9671),c:"Bacteroidia"(0.8048),o:"Bacteroidales"(0.
5395),f:"Rikenellaceae"(0.2864),g:Alistipes(0.0808);
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>OTU13168;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lach
nospiraceae(0.2864),g:Clostridium_XlVa(0.0615);
CGGAAGGCAGCCGTGGGGGATCTTGCACAATGGGGGCAACCCTGATGCCGCGACGCCGCGTGAGTGCAGAATTATT
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>OTU13170;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9740),o:"Bacteroidales"(0.
9172),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);
ACGGAAGGCAGCAGTGGGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCATGTAGCGTGAAGGATGACTGC
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0.0000);
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>OTU13172;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9784),o:"Bacteroidales"(0.
9707),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGC
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>OTU13171;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9180),o:"Bacteroidales"(0.
8303),f:Bacteroidaceae(0.3544),g:Bacteroides(0.1299);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGTAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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>OTU13174;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Clost
ridiaceae_1(0.6350),g:Clostridium_sensu_stricto(0.4787);
AGGGGAGGGAGAAGGGGGGAAGATGGCACAATGGGGGAAAGCCTGATGCAGCAACGCCGCGTGAGTGATGAAGG
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ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCCTATGGGCTGTGAACCGCTTTTGCCTGGGGACAATAAGGGCGTCGCGCACGTCCGATGAGAGTACAAGGGGAATACGCATCGGCTAACTCCGTGCCAGCAGCCGCTGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCTGTGCGTCAAGTCAGGGGGTGAATTCCGGGGTTCAACTCCGGGGCTGCCCGTGATACTGTCGCGCTGGAGTGCGTATGCGGCCGGAGGAAGGAGTGGCGTAGCGGTGAAATGCTTAGAGATCACTCAGAACACCGATTGCGAAGGCAGCGGGCGAATCCGTAACTGACGTTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA

>OTU13173;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6036),c:"Bacteroidia"(0.0726),o:"Bacteroidales"(0.0473),f:"Rikenellaceae"(0.0113),g:Alistipes(0.0056);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCATGCCGCGTGCGGGAAGGCGGCCCTATGGGCTGTGAACCTCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACCAGGGGAATAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTATTCCGAGGGATGCGAGCGTTATCCGGATTCATTGGGCTTAAAGGGTGCGTAGGCTGTGCGTCAAGTCAGGGGTGAAATTTCGGGGCTCAACTCCGGGGCTGCCCTTGATACTGTCGGGCTGGAGTGCGGATGCCGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACGCAGAACACCGATTGCGAAGGCATCTGGCGAAAGCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA

>OTU13177;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Clostridiales_Incertae_Sedis_XII(0.0904),g:Acidaminobacter(0.0181);

ACGGGAGGCAGCAGTAGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGGTTTCGGATCGTAAACCTCTGTCCTATGTGACGAAGGAAGTGACGGGAGCATAGGAGGAAGCTGCGGCTAACTAAGCGGCAGCAGCCGCCGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGTTTTGTAAGTTGGATGTGAAAGACCCGGGCTTAACTTGGGAACTGCATCCGATACTGCAGGACTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13176;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9507),c:Gammaproteobacteria(0.8189),o:"Enterobacteriales"(0.3639),f:Enterobacteriaceae(0.1872),g:Escherichia/Shigella(0.0230);

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>OTU13178;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.8267),c:Gammaproteobacteria(0.5963),o:"Enterobacteriales"(0.2999),f:Enterobacteriaceae(0.1485),g:Escherichia/Shigella(0.0204);
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>OTU13179;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Ruminococcaceae(0.1098),g:Ruminococcus(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGCAACCCTGATCCAGCAACGCCGCGTGAGGGAAGAAGGCTTTCGGATTGTAAACTTCTTTTATCAGGGACGATAATGACGGTACCTGATGAATAAGCTACGGCTAACTACGTGCCAGCAGCCGCGGTAGTACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGCGCGTAGGCGGGACTGCAAGTCAGATGTGAAATGTAGGGGCTCAACCCCTAAACTGCATTTGAAACTGTAGTTCTTGAGTAACGTAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACTACAACTGACACTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13181;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9900),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4652),f:"Prevotellaceae"(0.1098),g:Alloprevotella(0.0181);
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>OTU13180;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Peptostreptococcaceae(0.1872),g:Clostridium_XI(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCTAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCCCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCTCGGCTAACTACGTGCCAGCATCCGCTGTAATACGTAGGGGGCTAGCGATATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGAGGTGAAAGGCTACGGCGCAACCGTAGCAACCCTTTGAAACTGGGAAACTTGAGTGCAGGAGAGGAGAGTGGAATTCCACGTGTAGCGGTGAAATTCGTAGATATTAGGAGGAACACAAGTTGCAAAGGCGGATATCTGGACTGTAACTGACACTGAGGCACGCAAGCGTGGGGAGCAAACAGGCTTTGATACCCTGGTA

>OTU13182;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Clostridiaceae_1(0.2184),g:Clostridium_sensu_stricto(0.0615);
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>OTU13185;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9987),c:Deltaproteobacteria(0.9740),o:Desulfovibrionales(0.9172),f:Desulfovibrionaceae(0.7787),g:Desulfovibrio(0.5720);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGTCTTCGGATTGTAAACCACTGTCAGAAGGGAAGAAACTAGGGTGCTCTAATCATTATACTACTGAAGGTACCTTCAAAGGAAGCAACGGCTAACTCCGTGCCAGAAGCCGCGGTAATACGGAGGGTGCAAGAGTGAATCGGAATCACTGGGCGTAAAGCGCACGTAGGCTTTTATGTAAGTCAGGGGTGAAGTCCCGCGGCTTAACCGTGGAACTGCCCTTGATACTGCACGACTTGAATCCGGGATAGGGTGGCGGAAGTCCAGGTGTAGGAGTGAAATCCGTATATATCTGGAGGAACATCAGTGGCGAAGGCGGCCACCTGGACCGGTATTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13184;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Clostridia(0.9827),o:Clostridiales(0.9843),f:Clostridiaceae_1(0.9015),g:Clostridium_sensu_stricto(0.8605);
CCTTCCTTCCTCATTCTTTCCTCTTCCCCCCTGGTCGCCAGCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGTTTTCGGATCGTAAAGCTCTGTCTTTGGGGAAGATAATGACGGTACCCAAGGAGGCAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAAGTGGGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCATTCCAAACTGGTTATCTAGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTTTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13186;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9762),o:Clostridiales(0.9497),f:Ruminococcaceae(0.8505),g:Hydrogenoanaerobacterium(0.3479);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGGAACCCTGATGCAGCGACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCTTCAGTGACGATAATGACGGTAGCCGAGGAGGAAGCCATGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGATGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGATAGCAAGTTGGATGTGAAAAACCCAGGCTCAACCTGGGAGGTGCATTCAAAACTGCAGTTCTTGAGTGAAGTAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTTACTGACGCTGAAGCTCGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU13183;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Rumi
nococcaceae(0.2864),g:Clostridium_IV(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
TTTCGGGTTGTAAACTTCTTTTATAAGGGACGATAATGACGGTACCTTATGAATAAGCTCCGGCTAACTACGTGCCAG
CAGCCGCGGTAATACGTAGGGAGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGTCGGCAAG
TCAGATGTGAAATCCACGGGCTTAACTCGTGAACTGCATTTGAAACTGTTGATCTTGAGTATCGGAGAGGCAGGCGG
AATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGACACT
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>OTU13187;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9989),c:Gammaproteobacteria(0.9805),o:Xantho
monadales(0.8737),f:Xanthomonadaceae(0.7787),g:Luteimonas(0.3043);
GTGCCAGCCGCCGCGGTAATGCGAAGGGTGCAAGCGTTACTCGGAATTACTGGGCGTAAAGCGTGCGTAGGTGGTT
CGTTAAGTCTGATGTGAAAGCCCTGGGCTCAACCTGGGAATGGCATTGGATACTGGCGGGCTAGAGTGCGGTAGAG
GGCAGTGGAATTCCCGGTGTAGCAGTGAAATGCGTAGAGATCGGGAGGAACATCTGTGGCGAAGGCGACTGCCTG
GACCAGCACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTAGTGCACGCCCTAAAC
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GGTCGCAAGACTGAAACTCAAATGAATTGGCGGGG
>OTU13188;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Rumi
nococcaceae(0.1485),g:Ruminococcus(0.0326);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGT
CTTCGGATTGTAAAGTTCTTTTATTAAGGACGAAGAAGTGACGGTACTTAATGAATAAGCTCCGGCTAACTACGTGCC
AGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTCATTGGGTTTAAAGGGTGCGTAGGTTGCCGATTA
AGTCAGCGGTGAAAGTCAGTGGCTCAACCATTGAACTGCCGTTGAAACTGGTTGGCTTGAGTACGTACGGGGCAAGC
GGAATGCGTGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGAC
AACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13189;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Rumi
nococcaceae(0.2184),g:Clostridium_IV(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
TTTCGGATTGTAAACCTCTGTCGCAGGGGACGAAGGAAGTGACGGTACCCTGTAAGAAAGCCCCGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTAGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGTCG
GCAAGTCAGATGTGAAATCCACGGGCTTAACTCGTGAACTGCATTTGAAACTGTATTTCTTGAGTACTGGAGAGGCA
ATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACA
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>OTU13190;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Eubacteriaceae(0.1679),g:Anaerofustis(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAGCGATGAAGGTTTTCGGATCGTAAAGCTCTGTCTTTGGGGACGATAATGACGGTACCCGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGATTCACTGGGCGTAAAGAGCACGTAGGCGGTTATTTAAGCGTAGGGTTTAAGCGTGCAGCTCAGCTGCATCTCGGCTTGGGAACTGGACTACTTGAGTGCAGGAGGGGAAAGCGGAATTCCATGTGTAGCGGTGAAATGCGTAGAGATATGGAGGAACACCAGTGGCGAAGGCGGCTTCCTGGTCTGTAACTGACACTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13191;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9726),o:Clostridiales(0.8846),f:Clostridiaceae_1(0.5632),g:Clostridium_sensu_stricto(0.3915);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTAGGATCGTAAAGCTCTTTCTTCAGGGACGATAATGAAGGTACCTGAGGAGGAAGCCACGGCTAACTACGAGCCAGCAGCCGCGGCAATACGTAAGTGGCGAGCGTTGTACGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAAGTGAGATGTGAAATACCTAGGCTCAACCTGGGTGGTGCATTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAGTGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13193;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9988),c:Alphaproteobacteria(0.9740),o:Sphingomonadales(0.6881),f:Sphingomonadaceae(0.4563),g:Novosphingobium(0.2171);
GTGCCAGCAGCCGCGGTAATACGGAGGGAGCTAGCGTTGTTCGGAATTACTGGGCGTAAAGCGTACGTAGGCGGTTATTCAAGTCAGGGGTGAAAGCCTGGAGCTCAACTCCAGAACTGCCCTTGAAACGAGATAACTAGAATCTTGGAGAGGTGAGTGGAATTCCGAGTGTAGAGGTGAAATTCGTAGATATTCGGAAGAACACCAGTGGCGAAGGCGACTCACTGGACAAGTATTGACGCTGAGGTACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTAGTCCACGCCGTAAACGATGATAACTAGCTGTTCGGGCTCTACGAGCTTGAGTGGCGCAGCTAACGCATTAAGTTATCCGCCTGGGGAGTACGGTCGCAAGATTAAAACTCAAATGAATTGACGGGG
>OTU13192;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Eubacteriaceae(0.5991),g:Eubacterium(0.4351);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGATAGGTGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGGAATCAAGTCAGCTGTGAAAACTACGGGCTTAACTTGTAGACTGCAGTTGAAACTGGTTTTCTTGAGTGAAGTAGAGGTTGGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAAGAACACCGGTGGCGAAGGCGGCCAACTGGGCTTTAACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13194;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Clostridiaceae_1(0.1872),g:Clostridium_sensu_stricto(0.0326);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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AGTTTGAAGTGAAAGTCCTTCTTTTAAGGAGGGAACTGCTTTGAAAACTGTTGGGCTTGAGTGCAGGAGAGGTAAGC
GGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTA
ACTGGCACTGAGGTACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13195;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Lach
nospiraceae(0.6350),g:Lachnospiracea_incertae_sedis(0.3479);
AAGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGAAGAAGCA
TTTCGGTATGTAAAGCTCTATCAGCAGGGAAGATAATGACGGTACCTGACTAAGAAGCTCCGGCTAAATACGTGCCA
GCAGCCGCGGTAATACGTATGGAGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGCGTAGGTGGCAGGGCAA
GTCAGATGTGAAATCCCGGGGCTTAACCCCGGAACTGCATTTGAAACTGTTCCCCTTGAGTATCGGAGAGGCAAGCG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATATGGAGGAACACCAGTGGCGAAGGCGGCTTCCTGGACGACAA
CTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13196;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Erysipelotrichia(0.8755),o:Erysipelotrichales(0.7
252),f:Erysipelotrichaceae(0.5273),g:Turicibacter(0.3479);
ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCTAACCGAGCAACGCTGCGTGAGTGATGAAGGC
CTTCGGGTTGTAAAATTCTGTTATAAGGGAAGAACGACTGTAGTAGGAAGTGGAGAGAGTCTGACGGTACCTTATGA
GAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGGGCGTTATCCGGAATTATTGGGCGT
AAAGGGAGCGCAGGTGGTTGATCAAGTCTGATGCGAAAGCTCACGGCTCAACCGTGGAGGGTCAGTGGAAACTGGT
AGACTTGAGTGCAGAAGAGGGAAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGAGATATGGAGGAACACCAGT
GGCGAAGGCGGCTTCCTGGTCTGTAACTGACACTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTG
GTA
>OTU13200;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9887),o:Lactobacillales(0.9389),f:Lactob
acillaceae(0.8505),g:Lactobacillus(0.4351);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
TTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGAGTGAGAGAAACTGTTCACGCAGTGACGGTATCCAACCA
GAAAGTCACGGTTAATTACGTGCCAGCAGCCGCGATAATAAGTTGGTGGCAAGCGGTATCCGGATTTATTGGGCGTA
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GACTTGAGTGCAGAAGAGGACAGTGGAACTCCGTGTGTAGCGGTGAAATGCGTAGATATATGGAGGAACACCAGTG
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TA

>OTU13198;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Rumi
nococcaceae(0.0710),g:Pseudoflavonifractor(0.0087);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGTCGAAAGCCTGAACCAGCGACCCCGAGTGCGGGCAGACGGT
CTTCGGATTGTAAACCTCTTTCAGCAGGGAAGAAAAAAGGACGGTACCTGCAGAAGAAGCCACGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGTGTAGGCGGGACTGC
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TGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATACGGAGGAACACCAGTGGCGAAGGCTGATCGCTGTACGAT
AACGGACGCTGAGGCGCCAAAGCGTGGGAGGCAAACAGGATTAGATACCCTGGTA
>OTU13197;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Clost
ridiaceae_1(0.1485),g:Clostridium_sensu_stricto(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGGC
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GAATACCCAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGACAA
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>OTU13199;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.
3959),f:Bacteroidaceae(0.1872),g:Bacteroides(0.0519);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGAAGACTGC
CCTATGGGTTGTAAACTTCTTTTATGAGGGAATAAAGTGCATCACGTGTGGTGTTTTGTATGTACCTCATGAATAAGG
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGT
GCGTAGGCGGCAAGTCAAGTCGGCGGTCAAACTGCGGGGCTCAACCCCGTACCGCCGTCGAAACTGGCGTGCTTGA
GTGGAGAAGAAGTATGCGGAATGCGAGGTGTAGCGGTGAAATGCATAGATATCGCGCAGAACTCCGATTGCGAAG
GCAGCGTACTATCCCCCGACTGACGCTGAGGCACGAAAGCGTGAGTATCGAACAGGATTAGATACCCTGGTA
>OTU13201;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Euba
cteriaceae(0.1679),g:Eubacterium(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
CTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTAGAGGAGGTAGCCCCTGCGAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCAGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAA
GTCAGAGGTGCAAGGCTACGGCTCAGCAGTAGTAAGCCATTGAAACTGGGAAGCTTGAGTGCAGGAGAGGAGAGT
GGAATGCCTAGTGGAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTTGCGAAGGCGGCTCTCTGAACTGTA
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>OTU13203;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9740),o:"Bacteroidales"(0.9172),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCCCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTATGTATACTGTTTTGTATGTATTATATGAATGAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCGGCTTAGCAAGTCTGCGGTGAAAGGCCCGGGCTCAACCCGGAAAGTGCCGTTGATACTGTTAGGCTGGAATGCGGATGCTGTGGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU13204;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.6036),c:Fusobacteriia(0.3483),o:"Fusobacteriales"(0.1483),f:"Fusobacteriaceae"(0.0560),g:Fusobacterium(0.0110);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGGGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCCTCAGGGACGAAGGAAGTGACGGTACCTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGTGTAGGCGGCACCGCAAGTCAGTTGTGAAACCCATGGGCTCAACCCATGGCTTGAAATTGAAACTGCGGAGCTGGAGTACAGGAGAGGAAGGCGGAACTACAAGTGTAGAGGTGAAATTCGTAGATATTTGTAGGAATGCCGATGGGGAAGCCAGCCTACTGGACAGATACTGACGCTAAAGCGCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU13205;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.7995),f:Bacteroidaceae(0.4563),g:Bacteroides(0.2607);

ACGGAAGGAAGAAGGGAGGAATATTTTTCAATTTTCTCTAGCCTGACCCAGCCAAGTAGCGTTACTTATTAATTCTCTCTGGGTCGTAAACTTCTTTTATATAAGAATAACGTGCAGTATTTATACTGTTTTGTATGTATTATATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGATGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGGTAAGTGAGGGGTGACAGTTTGAGGCTAAACCGTAAAATTGCAGTTGATACTGTAAGTATTGAGTACAGTAGAGGTGGGCGGAATTAGTGGTGTAGAGGTGAAATGCTTAGATATCAAGAAGAACTCCGATTGCGAAGGCAGCTCACTGGACTGCAACTGAAAATGATGCTAGAAAGTGTGGGGATAAAAAAGGATTAGATAAAAGGGTA

>OTU13202;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Ruminococcaceae(0.0560),g:Clostridium_III(0.0134);

ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGGGAAACCCTGACGCAGCAACGCCGCGTGAATGATGAAGGTTTTCGGGTTGTAAACTTCTGTGACGAGGGACGATAACGACGGTACCTCGGAAAGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGCGCGTAGGCGGGCATGTAGGTCAGATGTGAAATTTATGGGCTCAACTTATAACCTGCATTTGAAACTGTGTGTCTTGAGTGATGGAGAGGCAGGTGGAATTCCGTGTGTAGCGGTGAAATGCGTAGATATACGGAGGAACACCAGTGGCGAAGGCGGTCCACTGGGCTTTAACTGACGCTGAAGCACGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU13208;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.9063),f:Bacteroidaceae(0.6350),g:Bacteroides(0.4787);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGCTAGTCTGAACCAGCCAAGTAGCGTGCAGGATGAAGGCCCTATGGGTCGTAAACTTCTTTCATACAAGAATAAATCGTAGTATGTATACTGCTTTGCATGTATTATATGAATAAGGATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGGTAAGTCAGTTGTGAAAGCTGGGGGCTCAACCTGAGAATTGCAGTTGATACTGTCAGTCTTGAGTACAGTAGAGGAGGGCGGAATTCGTGGTGCAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTATCTGGACTACAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU13207;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9348),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3319),f:"Porphyromonadaceae"(0.1098),g:Barnesiella(0.0181);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGATAGTCTGAACCAGCCAAGTCGCGTGCGGGAAGAAGGCCCTACGGGTCGTAAACCGCTTTAGCCGGGGAGTAACGTGTGGGTCGTGACCCGCAGTGAGAGTACCCGGAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGCATGTCAAGTCAGCGGTCAAATTTCGGGGCTCAACCCCGTCCCGCCGTTGAAACTGGCGCGCTTGAGTTCGTGGGAGGATCGCGGAATGCGCGGTGTAGCGGTGAAATGCATAGATATCGCGCAGAACCCCGATTGCGAAGGCAGCGGTCCATCACGCGACTGACGCTCATGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU13209;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8267),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3319),f:Bacteroidaceae(0.1679),g:Bacteroides(0.0423);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGCATACCCGTTTGCATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGACTGCAAGTCAGAGGTGAAAACTAAGAGCTCAACACATAGCCTGCATTTGAAACTGTAGTTCTTGAGTGCTGGTGCGGCAGGCGGAATGCCTGGTGTAGCGGTGAAATGCGTAGATATACGGAGGAATACCAATTGCGAAGGCGGATTGCGGGAGAGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13206;tax=d:Bacteria(1.0000),p:Firmicutes(0.1905),c:Clostridia(0.0726),o:Clostridiales(0.0473),f:Lachnospiraceae(0.0113),g:Lachnospiracea_incertae_sedis(0.0056);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGGAAGGCTGAACCAGCCAAGTCGCGTGAGGGAAGACTGCCCTATGGGTTGTAAACCTCTTTTATTCGGGAAGAATAAGTTTCACGCGTGGAACGATGCCTGTACCGAATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTTGATCAAGTCGGATGTGAAAGCCCGGGGCTCAACCCTGGGACTGCATTGGAAACTGAACAGCTGGAGTGCAGGAGAGGAAAGCGGAATTACCGGTGTAGCGGTGAAATGCGTAGAGATCGGTAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGAAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13210;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9726),o:"Bacteroidales"(0.8955),f:Bacteroidaceae(0.6350),g:Bacteroides(0.4787);

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>OTU13211;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Lachnospiraceae(0.4563),g:Clostridium_XlVa(0.2171);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGCAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTATCTCGGTATGTAAACTTCTATCAGTAGGGGAGATAATGACTGTACCTGACTAAGAAGCCGCAGCTAACGACGTGCCAGCAGCCGCGGTAATCCGGAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCGCAGCAAGTCTGAAGTGAAAACCCAGGGCTCAACCCTGGGACTGCTTTGGAAACTGTTTTGCTAGAGTGTCGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13214;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.5766),f:Bacteroidaceae(0.2524),g:Bacteroides(0.0712);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGAAGACTGCCCTATGGGTTGTAAACTTCTTTTATAAGGGAATAAAGTGCATCACGTGTGGTGTTTTGTATGTACCTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTGTCAAGCGTGCTGTGAAATGTACCGGCTCAACCGGTGACGTGCAGCGCGAACTGTCGGACTTGAGTATGCAGGAAGTAGGCGGAATTCATGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTTTCCAGCGCGCTACTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU13212;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Ruminococcaceae(0.1291),g:Clostridium_IV(0.0134);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGGTCTTCGGATTGTAAACCTTTTTATACAGGGAAGAAGCAAGTGACGGTACCTGTAAAGTAAGCCACGGCTAACTACATGCCAGCAGCCGCGGTAATACGTAGGTGGCGATCGTTATCCGGATTTACTGGGTTTAAGGGGTGTGTAGGCGGGATTGCAAGTCAGATGTGAAATACCGAGGCTTAACTTCGGAACTGCATTTGAAACTGTAATTCTTGAGAGTGGGAGAGGTAAGCGGAATGCACGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACCATTACTGACGCTGAGACACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13213;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9540),c:"Bacteroidia"(0.8048),o:"Bacteroidales"(0.5395),f:Bacteroidaceae(0.2864),g:Bacteroides(0.0808);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGCATACCCGTTTGCATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCGGAGAAGCAAGTCAGTGGTGAAAGGTATGGGCTTAACCCATAGACTGCCATTGAAACTGTTTTCCTTGAGTGAAGTAGAGGCAGGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACAAATACTGACGCTGAGGTGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU13216;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Clostridiaceae_1(0.3204),g:Clostridium_sensu_stricto(0.0712);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGTCTTCGGATCGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCAACTAAGTCTGGAGTGAAGGTCCTGCTTTTAAGGTGGGAATTGCTTTGGAAACTGGATGGCTTGAGTGCAGGAGAGGTAAGCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGCTCTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13217;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Lachnospiraceae(0.0560),g:Clostridium_XlVb(0.0134);

ACGGGGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAAGGATGCCGGGGGAAGGAAGAAAATTTTCGGATTGGAAACTTTCTTTAACAAGGAAAAAAAAGGAAAGTAAATGAATAAGCAACCCCGGCCAACTACCGGCCAGCCGCCCCGGTAATACGTAGGGGGCAAGGGTTATCCGGAATTACTGGGTGTAAAGGGTGCGTAGGCGGCACCGCAAGTCAGTTGTGAAACCCATGGGCTCAACCCATGGCTTGCAATTGAAACTGCGGAGCTGGAGTACAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGAAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13215;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Ruminococcaceae(0.3204),g:Faecalibacterium(0.0519);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGGTCTTCGGATTGTAAACTCCTGTCGTTGAGGACGATAATGACGGTACTCAACAAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAAAACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGCGTAAAGGGAGCGCAGGCGGAAGTGCAAGTTGGATGTGAAACACATGGGCTCAACCCGGGGGCTGCATTTAAAACTGTGTTTCTTGAGTGGAGGAGAGGAAGGGGGAATTCCCGGTGTAGCGGTGGAATGCGTAGATATCGGGAAGAACACCAGTGGCGAAGGCGGCCGACTGGACAGTAACTGACGCTGAGGCTCGAAAGCATGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13218;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Clostridiales_Incertae_Sedis_XIII(0.1485),g:Anaerovorax(0.0326);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAAGGAAGAAGGTCTTCGGATCGTAAACTTCTGTCCTTGGGGAAGATAATGACGGTACCCTTGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTGCGTAGGTGGTAACGTAAGCAGGTGGTGAAAGGCAAAGGCGTAACGATTGTCAACGCACTGAACTGGGCTACTTGAGTGCAGGAGAGGAAAGCGGAAGTCCTAGTGTAGAGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGAGGATTGCTGGACTGTTACTGACACTGAGGCACGAGAGTGTGGGGAGAAAACAGGATTAGATACCCTGGTA

>OTU13220;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:"Bacteroidia"(0.4812),o:"Bacteroidales"(0.2359),f:"Porphyromonadaceae"(0.1098),g:Butyricimonas(0.0204);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAATGGCCTATGGCCTGTAAACCTCTTTTGTCAAGGAAGAATAAGGATGACGAGTCATTCGATGCCAGTACTTGACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGAGTGCAAGTTGAATGTTTAATCTATGGGCTCAACCCATATCAGCGTTCAAAACTGCATTTCTTGAGTGAAGTAGAGGTTGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGGCGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13221;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Ruminococcaceae(0.4563),g:Intestinimonas(0.0712);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAATGCCTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGACGTGACGGTACCTGGATAAATAGCTATGGCTAACTACGTGCCAGCAGCCGCGGTCATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCTGGAGAGCAAGTCAGATGTGAAATGTATGGGCTTAACCCATAAACTGCATTTGAAACTGTTCTTCTTGAGTGTGGGAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCCTGCTGGACGTCAACTGACGCTGAAGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13219;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Ruminococcaceae(0.1679),g:Papillibacter(0.0326);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGGTTTCGGCTCGTAAACCTCTTTCCTACGGGACGAATGAGATGACGGTACCATAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGATGGCAAGTCAGATGTGAAATCCATGGGCTCAACCCATGAACTGCATTTGAAACTGTTCTTCTTGAGTATCGGAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGACACTGACGCTGAGGCGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU13224;tax=d:Bacteria(0.0041),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Clostridiales(0.0000),f:Clostridiales_Incertae_Sedis_XI(0.0000),g:Peptoniphilus(0.0000);

TATAACGCCGAAGCGGTAAAAATTTTCATTTTTGCCGCTTCGGGGTTGACCAAGCGCAGCGCGGTCGGTTTTCTGCTTAGGAGTTTAATCATGTTTCAGACTTTTATTTCTCGCCATAATTCAAACTTTTTTTCTGATAAGCTGGTTCTCACTTCTGTTACTCCAGCTTCTTCGGCACCTGTTTTACAGACACCTAAAGCTACATCGTCAACGTTATATTTTGATAGTTTGACGGTTAATGCTGGTAATGGGGGGTTTCTTCATTGCAGTCAGATGGATACATATGTCAACGCCGCGAATCAGGTTGTTTCTGTGGGTGCTGAGAGTGCTTTGGATGCCGACCC

>OTU13223;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9887),o:Lactobacillales(0.9280),f:Lactobacillaceae(0.8864),g:Lactobacillus(0.6681);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTGGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGCAATACGTCGGGGGCAAGCGGTGTCCGGAATTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGGTTAATGTGAAAGCCCTGAGCTTAACCGGGGAACTGCATCGGAAACTGGTTTTCTTGAGTGCAAGAGAGGAGAGTGGAACTCCAAGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCGGTGGCGAAGGCGGCTCTCTGGTCTGCGACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU13225;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Bacilli(0.9851),o:Lactobacillales(0.9063),f:Lactobacillaceae(0.7428),g:Lactobacillus(0.4787);

CCTTTATTCCTCCTTCGTTCCTCTTCCCCCATTGGAGCCAGCCTGCTGGCGCCACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTAGAGAAGAACGTGCGTGAGAGCAACTGTTCACGCAGTGACGGTATCTAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTGATAAGTCTGATGTGAGAGCCATTGGCTTAACCAAAGAAGTGCATCGGAAACTGTGAGACTTGAGTGCAGAAGAGGACAGTGGAGATACATGTGTCGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGGGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGCGGCTCGAAAGCGTGGTGAGCACACAGGTTTAGATCCCCTGGTA

>OTU13222;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9887),o:Lactobacillales(0.9685),f:Lactobacillaceae(0.9108),g:Lactobacillus(0.6200);

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>OTU13227;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9993),c:Fusobacteriia(0.9923),o:"Fusobacteriales"(0.9935),f:"Fusobacteriaceae"(0.9868),g:Fusobacterium(0.4351);

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>OTU13226;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:"Bacteroidia"(0.2321),o:"Bacteroidales"(0.1015),f:"Porphyromonadaceae"(0.0355),g:Porphyromonas(0.0087);

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acillaceae(0.9201),g:Lactobacillus(0.8124);
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GCGAGCGCAGGCGGAATGATAAGTCTGATGTGAAAGCCCGCGGCTCAACCGCGGAACTGCATCGGAAACTGTCATT
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acillaceae(0.7068),g:Lactobacillus(0.5239);
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9389),f:"Prevotellaceae"(0.8505),g:Prevotella(0.6200);
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bacterales(0.9707),f:Campylobacteraceae(0.9573),g:Campylobacter(0.9743);
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CGGAGCGTAAACTCCTTTTCTTAGGGAAGAATTCTGACGGTACCTAAGGAATAAGCACCGGCTAACTCCGAGCCAGC
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7995),f:"Prevotellaceae"(0.4914),g:Prevotella(0.0904);
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GCTTCGCTAAAACTGCTTGGCGTATCCAACCTGCAGAGTTTTATCGCTTCCATGACGCAGAAGTTAACACTTTCGGATA
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>OTU13237;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8628),c:"Bacteroidia"(0.5579),o:"Bacteroidales"(0.
2999),f:"Prevotellaceae"(0.0710),g:Prevotella(0.0087);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGAGGGAAGACTGC
CCTACGGGTTGTAAACCTTTTTTGTTTGGGAATAAAGTGCGGGACGTGTTCCGCATTGCATGTATCATTTGAATAAGG
CCGGGCTAATTCTGTGCCAGCAGCCGCGGTAATACGGAAGGTCTGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGCAGGCCGTGTGTTAAGCTTGTAGTGAAATTCCGTCGCTCAACGCCGGACGTGCGGCGCGAACTGGTCCACTTGA
GTACGCGAGACGTTGGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATCAGGAAGAACTCCAGTTGCGAAGG
CGGCTGACGGTAGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU13236;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Bacilli(0.9747),o:Lactobacillales(0.9063),f:Lactobacillaceae(0.7787),g:Lactobacillus(0.3479);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGCAGCAACACCGCGTGAGTGAAGACGGGTTTCGGCTCGTAAAACTCTGTTGTTGAAGAAGAACGTACGTGAGAGTAACTGTTCACGCAGTGACGGTATTAAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTACTACGTCGGTGGCAAGCGGTATCCGGATTTATTGGGCGTAAAGGGAGCGCAGGCGGTTACTTAAGGCTGATGTGAAAGCCTTCGGCTTAACCGAAGAAGTGCAGCGGAAACGGGGTGACTTGAGTACAGCAGAGGACAGTGGAACTCCTTGTGTAGCGGTGGAATGAGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGTATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU13239;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8448),c:"Bacteroidia"(0.6346),o:"Bacteroidales"(0.3639),f:"Prevotellaceae"(0.0904),g:Prevotella(0.0181);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAGGGAATAAATGTGGGTACGCGTACCCGTTTGCATGTACCTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGTCTTTTAAGTTGGATGTGAAATCCCCGGGCTTAACTTGGGGTCTGCATCAAATACTGGGAGACTAGAGTGCAGGAGAGGGAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13240;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9180),o:"Bacteroidales"(0.8303),f:Bacteroidaceae(0.2524),g:Bacteroides(0.0712);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGGATACCCGTTTGCATGTACTTTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGTGTAGGCCGTCTTATAAGCGTGTTGTGAAAGGTCGGGGCTAAACCTGGGCATTGCAGTGGAAACTGTAGATCTTGAGTGCAGAGGAGGCAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTAAGGTGCAACTGACACTGAGGCTCGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU13243;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9993),c:Fusobacteriia(0.9918),o:"Fusobacteriales"(0.9935),f:"Fusobacteriaceae"(0.9928),g:Fusobacterium(0.4351);

ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGACCAAAAGTCTGATCCAGCAATTCTGTGTGCACGATGAAGTTTTTCGGAATGTAAAGTGCTTTCAGTTGGGACGAAGTAAGTGCCGGTACCAACAGAAGAAGCGACGGCTACATACGTGCCAGCAGCCGCGGTAATCCGTATGTCGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGCGTCTAGGCGGTTTGGTAAGTCTGGTGTGAAAATGCGGGGCTCAACGCCGGATGGCGTTGGAAACTGCCAAACTAGAGTACTGGAGAGGTGGGCGGAACTACAAGTGTAGAGGGTAAATTCGTTGATATTTGTAGGAATGCCGATGGGGAAGCCAGCCCACTGGACAGATACTGACGCTAAAGCGCGAAAGCTGGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU13241;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9540),c:Betaproteobacteria(0.5579),o:Burkholderiales(0.2679),f:Comamonadaceae(0.1098),g:Roseateles(0.0204);

ACGGGAGGCAGCAGTGAGGAATTTTGGACAATGGGGGAAACCCTGATCCAGCCATGCCGCGTGCGGGAAGAAGGCCTTCGGGTTGTAAACCGCTTTTGTCAGGGACGAAAAGTCGTATTTGAACAAAGTACGATGCTGTCGGTATCTGAAGAATAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGTGCGCAGGCGGTTGGATAAGACACATGTGAAATCCCCGGGCTTAACCTGGGAACCGCAGTTGTGACTGACTGACTGGGGTATGTCAGAGGGGGGTAGAATTCCACGTGTAGCAGTGAGATGCGTCAAAATGTGGAGGTATACCGGTGTCAAAGGCGGCCCCCTGGACGAAGACTGACGCTCAGTTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13242;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9441),c:Epsilonproteobacteria(0.8189),o:Campylobacterales(0.5395),f:Campylobacteraceae(0.3544),g:Campylobacter(0.1299);

ACGGGAGGCAGCAGTAGGGAATATTGCGCAATGGGGGAAACCCTGACGCAGCAACGCCGCGTGGAGGATGACGCTTTTCGGAGTGTAAACTTCTTTTCTTAGGGAAGAACTCTGACGGTACCTAAGGAATAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGAGCAAGCGTTACTCGGAATTACTGGGCGTAAAGGGCGCGTAGGCGGATTATAAAGTCTCATGTGAAATCTAATGGCTTAACCAATAAACTGCATTGGAAACTGGAAGGCTAGAGTGAAGGAGAGGCAGGTGGAATTCGTGGTGTAGCGGTAAAATGCGTAGATATAAGGAAGAACACCAGTGGCGAAGGCGGTCTGCTGGAACTCAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13244;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.9063),f:Bacteroidaceae(0.5991),g:Bacteroides(0.4351);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTCTGGGTTGTAAACTTCTTTTTTAGGGAAATAAAGTCTGGTATGCATACCCGTTTGCATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGATGTTTAAGTCAGTGGTGAAAGTTGGCGGCTCAACTGGAAAATTGCATTTGATACTGGATATCTTGAGTGCAGTTGAGGCAGGTGGAATTCGTGGTGTAGCGGTGAAATGCGTAGATATCACGAAGAACACCGATTGCGAAGGCAGCTTGCTAAGCTGTAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU13245;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9994),c:Fusobacteriia(0.9897),o:"Fusobacteriales"(0.9937),f:"Fusobacteriaceae"(0.9912),g:Fusobacterium(0.2607);

ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGACCAAACGTCTGATCCAGTAATTCTGTGTGCACGATGAAGTTTTCCGGAATTTAAAGTGCTTTCAGTTGGGACGAAGTAAGTGACGGTACCAACAGAACCAGCGACGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGTCGCAATCGTTATCTGGATTTATTGGGCGTAAAGCGCGTCTAGGCGGTTTGGTAAGTCTGATGTGAATATGCGGGGCTCAACTCCGTATTGCGTTGGAAACTGCCAGACTAGGGTACTGGAGAGGTGGGCGGAACTACAAGTGTAGAGGTGAAATTCGTAGATATTTGTAGGAATACCGGTGGGGAAGCCAGCCCACTGGACAGATACTGACGCTAAAGCGCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU13248;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9776),o:"Bacteroidales"(0.9685),f:"Prevotellaceae"(0.9108),g:Prevotella(0.5239);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCGTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTGTTAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGGCAGACTTGAGTGCGCAGGAAGTAGGCGGAAGTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATCGCGAAGGCAGCTCTCCGCACCGTCACTGCCGCTCACGCTTCCAAGCGTCGGTATCGAACAGGATTAGATACCCTGGTA

>OTU13246;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Bacilli(0.9840),o:Lactobacillales(0.8629),f:Lactobacillaceae(0.6350),g:Lactobacillus(0.2607);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAAAGCCGCGTGAGTGAAGAAGGTCCTCGGATCGTAAAGCTCCGTTGTTGGTGAAGTAGGATAGAGGTCGTAACTGGCTTTTATTGGACGGTAATCAACCAGAAAGTCACGGCTAACTCCGTGCCAGCAGCCGCGGCAATACGTAGGTGCCAAGCGCTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTAAGATAAGTCTAATGTGAAAGCCCTCGGCTTAACCGAGGAACTGCATCGGAAACTGTTATTCTTGAGTGCAGAAGAGGAGGGTGGAACTCGATGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCGATGGCGAAGGCAGCTCTCTGGACTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU13249;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9993),c:Fusobacteriia(0.9882),o:"Fusobacteriales"(0.9939),f:"Fusobacteriaceae"(0.9387),g:Fusobacterium(0.2607);

ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGACCAAAAGTCTAATCCAGCACTTCTGTGTGCACGATGAAGTTTTTCGGAATGTAAAGTGCTTTCAGTTGGGACGAAGTAAGTGACGGTACCAACAGAAGAAGCGACGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGTCGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGCGTCTAGGCGGTTTGGTAAGTCTGATGTGAAAATGCGGGGCTCAAGTCCGTATTGCGTTGGAAACTGCCAAACTAGAGTACTGGAGAGGTGGGCGGAAATACAAGGGTAGGGGTGAAATTCGTTGATATTTGTAGGAATGCCGATGGGAAAGCCAGCCGAATGGACAGATACTGGCGCTAGAGCGCGAAAACGTGGGTAGCAAACAAGGTTAGATACCCTGGTA

>OTU13247;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9933),c:Deltaproteobacteria(0.9726),o:Desulfovibrionales(0.8955),f:Desulfovibrionaceae(0.6709),g:Desulfovibrio(0.4787);

ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGGGATGAAGGTTTTCGGATCGTAAACCTCTGTCAGAAGGGAAGAAACTAGGGTGCTCTAATCATCATCCTACTGACGGTACCTTCCAAGGAAGCACCGGCTAACTTCGTGCCAGCAGCCGCGGCAATACGGCGGGTGCAAGCGTTAATCGGAATCACTGGGCGTAAAGCGCACGTAGGCGGTGATGTAAGTCTGGGGTGAAATCCCACGGCTCAACCCTGGAACTGCCCTTGAGACTGCACGACTGGAATCCGGGAGAGGTAGGCGGAATTCCAAGTGTAGGAGTGAAATCCGTAGAGATCTTGAGGAACATCAGTGG

CGAAGGCGGCCACCTGGACCGGTATTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGT
A
>OTU13250;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:"Bacteroidia"(0.2902),o:"Bacteroidales"(0.
1249),f:"Porphyromonadaceae"(0.0355),g:Barnesiella(0.0066);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGT
CCTAAGGATTGTAAACCTCTTTTGTCGGGGAGCAAAAAGGCGTTTATGTGCCAGTTTAGAGTACCCGAATGAAAAGC
ATCCGCTAACCCCCGGCCAGCAGCCGCGGGAATACGGAAGGTGCGAACGGTATCCGGATTTATTGGGTTTAAAGGG
TGCGTAGGCTGAAGTGCAAGTCAGCGGTGAAATCTCCGCGCTCAACGCGGGAGTTGCAGTTTATACTGTACATCTGG
AATGCTCTTGCCGCGGGAGGAATGAGTAGTGTAGCGGTGAAATGCATAGATATCACTCAGAACTCCGATTGCGAAG
GCATCCTACGAAGGGGCGATTGACGTTGAGGCACGAAAGTGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU13253;tax=d:Bacteria(0.0041),p:"Proteobacteria"(0.0000),c:Deltaproteobacteria(0.0000),o:Desulfovib
rionales(0.0000),f:Desulfovibrionaceae(0.0000),g:Lawsonia(0.0000);
AGTTCCATCACCATCATCGCCCGATGCCCAGAGATTCGAACGCATGACAAGTAAAGGACGGTTGTCCGCGTCATACG
CGGTTTTACCTCCAAATGAAGAAATAACATCATGGTAACGCTGCATGAAGTAATCACGTTCTTGGTCAGTATGCAAAT
TAGCATAAGCAGCTTGCAGACCCATAATGTCAATAGATGTGGTAGAAGTCGTCATTTGGCGAGAAAGCTCAGTCTCA
GGAGGAAGCGGAGCAGTCCAAATGTGGTTGAGATGGCAGCAACGGAAACCATAACGAGCATCATCGGGATGAAGC
TCAGTAGGGGTAGCCTAGGGACGGGCA
>OTU13252;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.
6881),f:Bacteroidaceae(0.2864),g:Bacteroides(0.0808);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGGAGACTGC
CCTATGGGTTGTAAACTGCTTTTATGAAGGGATAAAGTGGGGTATGCGTACGCTATTGCAGGTACTGTATGAATAAG
GATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGTGGGTGTTTAAGTCAGTTGTGAAAGTTTCCGGCTCAACCGTAGAATTGCAGCTGATACTGGATATCTTGA
GTGAATTTGATGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGC
AGCCCGCTAAGCCTTAACTGACACTAAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU13251;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9769),c:"Bacteroidia"(0.8897),o:"Bacteroidales"(0.
7623),f:Bacteroidaceae(0.3884),g:Bacteroides(0.1735);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGAAGACTGC
CCTATGGTTTGTAAACTTCTTTTGTCAAGGAATAATATAGAATATGTGTACCGTCTTGCATGTACTTGATGAATAAGAA
TCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGCG
CGTAGATGGATATGTAAGTCAGTTGTGAAAGCTCCGGGCTCAACCGTAAAATTGCATTTGATACTGTATATCTTGAGT
GCAGGTGAGGCAGGCGGAATTCCGGGTGTAGCGGTGAAATGCTTAGATATACGGAAGAACTCCGATTGCGAAGGCA
GCTTGCTAAGCTGCAACTGACATTGAGGCTCGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU13254;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8897),o:"Bacteroidales"(0.7623),f:"Prevotellaceae"(0.4914),g:Prevotella(0.0712);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATACGGGGATAAAGAAAGCCACGCGTGGCGTATTGCAGGTACCGTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACCGAAGGTCCGGGCGTGATCCGGATTTATTGGGGTTAAAGGGAGCGTAGGCCGTCTGTTAAGCGAGTAGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGGGAACTGGCAGACTTGAGTGCGGAAGAAGTAGGCGGAATTCGTAGTGTAGCGGTGAAATGCGTAGATATGAGGAAGAACTCCGATGGCGAAGGCAGCCTGCTGGAGCGTAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU13255;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9168),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5023),f:"Prevotellaceae"(0.3204),g:Prevotella(0.0230);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATACGGGGATAAAGTGAGCCACGTGTGGCTTATTGCAGGTACCGTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTGTTAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGCATTGCATTTGTGACTGCAGGACTAGAGTTCATCAGAGGGGGGTGGAATTCCAAGTGTAGCAGTGAAATGCGTAGATATTTGGAAGAACACCAGTGGCGAAGGCGGCTTACTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13256;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.8087),c:Gammaproteobacteria(0.5579),o:Aeromonadales(0.2039),f:Succinivibrionaceae(0.0904),g:Ruminobacter(0.0134);

ACGGAAGGCAGCAGTAGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCCACGCCGCGTGAGTGAAGAAGGCTTTCGGGTTGTAAAGCACTGTCGGAGGGGAAGAACAAGAGACGTTACCCCAAGAAGAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAGGGTGCGAGCGTTCATCGGAATAATTGGGCGTAAAGGGCGTGTAGGCGGTTCGTCAAGTAGGATGTGAAAGCCCCGGGCTTAACCTGGGAACAGCATTGTAAACTGGTGGGCTAGAGTACTGCAGAGGGAAGTGGAATTCCAAGTGTAGCGGTGAAATGCGTAGATATCTGGAAGAACACCAGTGGCGAAGGCGGTTTCCTGGACTGAAACTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13257;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Lachnospiraceae(0.6709),g:Clostridium_XlVa(0.5239);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGTCTCACTCCGTGCAGGCAGCCGCGGTACTACGTAGGGGGCCAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGAAGCAAGTCTGAAGTGAAAACCCAGGGCTCAACGCTGGGACTGCTGTGGAAACTGTTGTGCTAGAGTGTCGGCGAGGTAAGTGGAATTCTTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACCCCAGTGGCGAAGGCGGCTTACTGGACGATAACTGACGTTGAGGCTCGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU13258;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Clostridiaceae_1(0.5273),g:Clostridium_sensu_stricto(0.3479);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAAGCCTGATCCAGCAACGCCGCGTGAGTGATGAAGGCTTTCGGGTCGTAAAGCTCTGTCTTTGGGGAAGATAATGACGGTACTCAAGGAGGAAGACCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATTCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAAGTTGGATGTGAAATACCCGGGCTCAACTTGGGTACTGCATTCAAAACTGGTTATCTAGAGTGCAAGAGAGGAGAGAGGAATTCCTAGTGTAGCGGTGAAATGCGTAAAGATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGAAACTGACGCTGAGGCGCGAAGGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13260;tax=d:Archaea(0.0024),p:"Crenarchaeota"(0.0000),c:Thermoprotei(0.0000),o:Desulfurococcales(0.0000),f:Desulfurococcaceae(0.0000),g:Desulfurococcus(0.0000);
TCTCCTCCAGTCAGGGGCCGACGCCCCTGCAATTAAAATTGTTGACCCCCTCCATACCACAGCCGAGCGCCTTTACGCTTGCCTTTAGTACCTCGCAACGGCTGCGGACGACCAGGGCGAGCGCCAGAACGTTTTTTACCTTTAGACATTACATCACTCCTTCTGCACGTAATTTTTGACGCACGTTTTCTTCTGCGTCAGTAAGAACGTCAGTGTTTCCTGCGCGTACACGCAAGGTAAACGCGAACAATTCAGCGGCTTTAACCGGACGCTCGACGCCATGAAGAATGTGTGCCGGAAATTCAGCGACGGCCATGAT
>OTU13259;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Bacilli(0.9719),o:Lactobacillales(0.8629),f:Lactobacillaceae(0.6709),g:Lactobacillus(0.3043);
ACGGGAGGCAGCAGTAGGGAATATTCGACAATGGGCGCAAGCCTGATGCAGCAACGCCGCGTGAGTGAAGACGGGTTTCGGCTCGTAAAGCTCTGTTTTTAGGGAAGAACGTGCGTGAGAGCAACTGTTCTCGCAGTGACGGTATCTAACCAGAAAGTCACAGCTAACTACGTGCGCGCAGCTGCGGTAATACGTAGGTGGCAAACGTTATCCGGATTTATTGGGCGTAAAGGGAGCGCAGGCGGTTTGATAAGTCTGATGTGAAAGCCATCGGCTTAACCAAAGACGTGCATCGGAAACTGGAAGACTTGAGTGCAGAAGAGGACAGTGGAATTCCTTGTGTAGCGGTGGAATGCGTAGACATATGGAAGAACACCAGTTGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU13261;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9604),o:"Bacteroidales"(0.8629),f:"Prevotellaceae"(0.5991),g:Prevotella(0.3479);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCTCTATGGGCTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGCGTGGCATATTGCAGCTACCCTATGAATACGGACAGGCTAGTTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTACGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGATTTATAAGCGTGTTGTGAAATGTCGTGGCTCAACCAGTGCATTGCTGCGCGAACTGTGAGACTTGAGTGCGCAAGAAGTAGACGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGTCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU13262;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Lachnospiraceae(0.4914),g:Clostridium_XlVa(0.2607);

ACGGAAGGCAGCAGTGGGGAATATTGGACAATGGGCGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTATTTCGGTATTTAAACTTCTATCAGCAGGGAAGAAAAGGACGGTACCTGACTAAGAAGCCCCGTCTCACTCCGTTCCAGCCGCCGCGGTAATACGTAGGGAGCAGGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGATGCAAGCCAGATGTGAAAGCCCGGGGCTCAACCCCGGGACTGCATCTGAAACTGCGTGACTGGAGTGTCGGAGAGGCGGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCGGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13264;tax=d:Bacteria(0.0024),p:"Proteobacteria"(0.0000),c:Gammaproteobacteria(0.0000),o:Legionellales(0.0000),f:Legionellaceae(0.0000),g:Legionella(0.0000);

AGTTTTGCCGCAAGCTGGCTGCTGTCCGCCCTCTTCAGTATATTCGCGATGAGTATAATTACCCCACAAAGAAAGGTATTAAGTATGAGTGTTCATGATTGCTGGAGTCCTCCACTATGAAATCGCGTAGAGGCTTTGCTATTCAGCGTTTGATGAATGCAATGCGACAGGCTCATGCTGATGGTTGGTTTATCGTTTTTGACACTCTCACGTTGGCTGACGTCCGATTAGAGGCGTTTTATGATAATCCCAATGCGTTGCGTGACTATTCTCGTGATATTGGTCGTATGGTTCTTGCTGCCGAGGGTCGCAAGGCTAATGATGCACACGACGACCGCTAGCAGGAGTTTTGTGTGCCTGAGTATGGTACAGCT

>OTU13266;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9776),o:"Bacteroidales"(0.9685),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTTTAAGGGCATAAAGTCGGGTATGTATGCCCGTTTGCATGTACTTTATGAATACGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAGTACGGATGTTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGATGTTTAAGTCAGTTGTGAAAGTTTGGGGCTCAACCGGAAAATTGCAGTTGATACTGGATGTCTTGAGTGCAGGAGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCGTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTAAGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU13263;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Erysipelotrichia(0.8331),o:Erysipelotrichales(0.6138),f:Erysipelotrichaceae(0.4224),g:Turicibacter(0.2171);

ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGAATGATGAAGGCCTTCGGGTTGTAAAATTCTGTTATAAGGGTAGAATGGCTCTAGTAGGAAATGGCTAGAGTGTGACGGTACCTTATGAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGCACGCAGGCGGTTTGTTAAGTCAGATGTGAAATCCCCGGGCTCAACCTGGGAACTGCATCTGATACTGGCAAGCTTGAGTCTCGTAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATATGGAGGAACACCAGTGGCGAAGGCGGCTTCCTGGTCTGTAACTGACACTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13267;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.9604),o:"Bacteroidales"(0.8629),f:"Porphyromonadaceae"(0.7428),g:Parabacteroides(0.4787);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTAAGCCTGAACCAGCCAAGTCGCGTGAGGGATGAAGGTTCTATGGATCGTAAACCTCTTTTGTAAGGGAATAAAGTGCTGGACGTGTGCCGTTTTGTATGTACCTTATGAATAAGGATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTGTATTAAGTCAGTGGTGAAAGTCTGTGGCTCAACCATAGACTTGCCGTTGAAACTGGGGCGCTTGAGTATGTGTGAGGCAGGCGGAATTTGTCGTGTAGCGGTGAAATGCTTAGATATGACGCAGAACCCCGATTGCGAAGGCAGCTTGCCAGGCCGTGACTGACGCTGATGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU13265;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6036),c:"Bacteroidia"(0.0626),o:"Bacteroidales"(0.0413),f:Prolixibacteraceae(0.0099),g:Prolixibacter(0.0046);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACCAGGGGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCTGTGCGTCAAGGCAGGGGGTGAAATCCGGGGCTCAACTCCGGGGCTGCCCTTGATACTGTCGCGCTGGAGGGAGGATGCCGCCGGAGGGATGAGTGGTGTAGCGGTGAAAAGCTTAGATATCACTCAGAACACCGATTGCGAAGGCATCTGGCGAATCCGTAACTGAAGCTGAGGCACGAAAGCGGGGGGATAGAACAGGATTAGATACCCTAGGTA

>OTU13268;tax=d:Bacteria(1.0000),p:Cyanobacteria/Chloroplast(0.9992),c:Cyanobacteria(0.9947),f:Family_II(0.9873),g:GpIIa(0.9837);

GTGTCAGCAGCCGCGGTAATACGGGAGTGGCAAGCGTTATCCGGAATTATTGGGTGTACAGCGTCCGCAGGCGGCCCTTCAAGTCTGCTGTTAAAAAGTGGAGCTTAACTCCATCATGGCAGTGGAAACTGTTGGGCTTGAGTGTGGTAGGGGCAGAGGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAAGAACACCAGTGGCGAAGGCGCTCTGCTGGGCCATCACTGACGCTCATGGACGAAAGCCAGGGGAGCGAAAGGGATTAGATACCCCTGTAGTCCTGGCCGTAAACGATGAACACTAGGTGTCGGGGAAATCGACCCACTCGGTGTCGTAGCCAACGCGTTAAGTGTTCCGCCTGGGGAGTACGCACGCAAGTGTGAAACTTAAATGAATTGGCGGGG

>OTU13269;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.9180),o:Clostridiales(0.7623),f:Clostridiaceae_1(0.3884),g:Clostridium_sensu_stricto(0.0808);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGAAGGCCTTCGGGTTGTAAAGCTCTGTCTTTAGGGACGATAATGACGGTACCTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTTTCCGGAATTACTGGGCGTAAAGGGAGCGTAGGCGGGATTGTAAGTTAGATGTGAAATACCCGGGCTCAACTCGGGTACTGCATTTCAAACTGGAAATCTAGAGTGAAGGAGAGGAGAGAGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGTTTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13271;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9762),o:Clostridiales(0.9497),f:Clostridiaceae_1(0.6709),g:Clostridium_sensu_stricto(0.5239);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCCGATGCAGCAACGCCGCGTGAGTGATGAAGGTTTTCGGATCGTAAAGCTCTGTCTTTGGGGAAGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAAGTGGGATGTGAAATACCCGGGCTGAACGTGGGTGCTGCAGTCCAAACTGGTTAGATAGAGTGCAGGAGAGGAGAGTGGAAGTCCGAGTGTAGAGGTGAAATGCGGAGAGATTGGGAAGAAAACCAGTGGAGAAGGCGACGAGATGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13270;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9755),o:Clostridiales(0.9389),f:Lachnospiraceae(0.8864),g:Clostridium_XlVb(0.4787);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAAGGAAGAAGGGTTTAGGCTCGTAAACTTCCATCTATAGGGAAGAAACAAATGACGGTACCTCAATAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCACGGCAATACGGAGGGGGCAAGAGTTATCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGCATGGTAAGCCAGATGTGAAAGCCTTGGGCTTAACCCGAGGATTGCATTTGGAACTATCAAGCTAGAGTACAGGCGAGGACAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCGGTTGCGAAGGCGGCTTTCTGGACTGAAACTGACGCTGAGGCTCGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU13272;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Ruminococcaceae(0.3544),g:Oscillibacter(0.0326);
ACGGGAGGCAGCAGTGGGGAAGATTGGGCGGTGGGAGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTGTCAGGGACGAGTAGAAGACGGTACCTGACGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGAGGGCAAGTCAGATGTGAAATCCACGGGCTCAACTCGTGAACTGCATTTGAAACTACTCTTCTTGAGTAGCGGAGAGGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTATGAGGAACACCAGTGTCGAAGGCGGATTGATGGACGACAACTGCCGGTGAGTCGCGAACGCGTGGAGGGCACACAGGATTAGATACCCTGGTA
>OTU13273;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Clostridiaceae_1(0.4563),g:Clostridium_sensu_stricto(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCGGATGCAGCAATGACGCGTGAGTGATGACGGCCTGCGGGTTGTAAAGCTCTTTCTTAAGGGACGATAATGACGGTAACAGAGAAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATAAGAAGGTGGAAAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTTTTAAGTGTGATGTGAAATACCCGGGCTTAACTTGGGTGCTGCATTTCAAACTGGAAGTCTAGAGTGCAGGAGAGAAGAAGGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAATGCGCTTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13274;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9769),c:"Bacteroidia"(0.8755),o:"Bacteroidales"(0.7252),f:"Rikenellaceae"(0.5273),g:Alistipes(0.3479);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCATGCCGCGTGCGGGAAGACGGC
TCTATGAGTTGTAAACTCCTTTTGTACTAGGGTAAACGCTTCTACGCGTAGGAGCCTGACAGTATAGCACGAATAAGG
AACGGCCAACTCCGTGCCAGGAGCCGCGGTAATACGGAGGATTCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGT
GCGTAGGCGGATTGATAAGTTAGATGTGAAATACCGGGGCTCAACCTCGGAACTGCCTCTAAAACTGTTGAACTAGA
GAGTAGTAGAGGTAGGCGGAATTCATGGTGTAGCGGTGAAATGCGTAGAGATCAGGCGGAACACCGGTTGCGAAG
GCGGCTTACCGGACTATATCTGACGTTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13276;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9321),o:"Bacteroidales"(0.8412),f:Bacteroidaceae(0.3884),g:Bacteroides(0.1735);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGCGGGAAGAATGG
TCTATGGCCTGTAAACTGCTTTTATAAGGGAAGAAAGAGGATGACGAGTCATTTGATGCCGGTACTTGACGAATAGG
CATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGTGGATGTTTAAGTGAGTTGTGAAATTTTGCGGCTCAACCGTAAAATTGCAGTTGGTACTGGATATCTTGA
GTGCAGTGGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGG
CAGCCTGCTAAGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU13275;tax=d:Bacteria(1.0000),p:"Synergistetes"(0.4311),c:Synergistia(0.2321),o:Synergistales(0.1015),f:Synergistaceae(0.0355),g:Dethiosulfovibrio(0.0087);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
TTTCGGATCGTAAACCTCTGTTGCAGGGGACGAGCAGTAGACGGTACCCTGCGAGGAAGCTCCCGCTAACTACGTGC
CAGCCGCCGCGGTAACACGTAGGGAGCACGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGCGTAGGTGGTTCTGT
AAGTCTGGCGTGAAACCCCCGTGTTCAAGGCGGGGCCTGCGTTGGAAACTGCAGGACTTGAGTGATGGAGAGGATA
GCGGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCAGGAGGAACACCAGTGGCGAAGGCGGCTATCTGGACG
TAGACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13277;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Lachnospiraceae(0.6350),g:Clostridium_XlVa(0.4351);

ACGGGAGGCAGCAGTGGCGAATATTGCAAAATGGGAGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTA
TTTCGGTATGTAAACTTCTAACAGCAGGGAAGAAGATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGCAAAGGGAGCGTAGACGGCGATGCA
GGCCAGATGTGAAAGCCCGGGGCTCAACGCCGGGACTGAATTTGAAACTGCGTGGCTGGAGTGACCGAGAGGCAG
GCGGAATACCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACG
ATGACTGAAGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTCGATACCCTGGTA

>OTU13278;tax=d:Bacteria(0.0041),p:"Proteobacteria"(0.0000),c:Betaproteobacteria(0.0000),o:Burkholderiales(0.0000),f:Alcaligenaceae(0.0000),g:Castellaniella(0.0000);

TCTTACTTTGCGACCTTTCGCCATCACCTAACGATTCTGTCAACAACTGACGCGTTGGCTGCGGAGAAGTGGCTTAATATGCTTGGCACGTTCGTCAAGGACTGGTTTAGATATGAGTCACATTTTGTTCATGGTAGAGATTCTCTTGTTGACATTTTAAAAGAGCGTGGATTACTATCTGAGTCCGATGCTGTTCAACCACTAATAGGTAAGAAATCATGAGTCAAGTTACTGAACAATCCGTACGTTTCCAGACCGCTTTGGCCTCGATTAAGCGCAGTCAGGCTGCTGCCGTTTTGGAGTGAACCGAAGATGATGTCGAGTTTCGGACGAGTAACAAAGGGGGGATTG

>OTU13279;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9769),o:"Enterobacteriales"(0.8737),f:Enterobacteriaceae(0.7787),g:Escherichia/Shigella(0.3043);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGACTTCGGTTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAACGTTAATACCTTTGCTCATTGCCGTTACCCGCAGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGTTACTACGGATGGTGCAAGCGATAATCGGAATTACTGGGCGTAAAGCGCAAGCAGGCGGTTTGTTAAGTCAGATGTGAAATCCCCGGGCTCAACCTGGGAACTGCATAAGAAACTGGTAAGCTAGAGTCTCGTAGAGGGGAGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAATACCGGTGGCGAAGGCGGCCCCCTGGACGAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13281;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Lachnospiraceae(0.2524),g:Blautia(0.0712);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAATGATGAAGGATCTCGGTATGTAAAGTTCTGTCAGCGGGGAAGATAATGACGGTACCTGAGTAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGAGGAGAAAGTCGGATGTGAAAGGCAGGGGCTCAACCTGGGGGCTGCATTCCAAACTGTTTATCTAGAGTACAGGAGGGGTGAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTCACTGGACGGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13280;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Clostridiaceae_1(0.1485),g:Clostridium_sensu_stricto(0.0326);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGGGAAGAAGGTCTTCGGATTGTAAACCTCTGTCGCCAGGGACGATAATGACGGTACCTGGAGAGTAAGCCCCGGCTACCTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGTGCGTAGGCGGGTTGTTAAGTCAGATGTGAAATACCGGGGCTTAACCCCGGGGCTGCATTTGAAACTGGAGTGCTTGAGTGCAGTAGAGGCAGGGGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13282;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Clostridiaceae_1(0.3544),g:Clostridium_sensu_stricto(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAAGCCTGATGCAGCCAAGCCGCGTGAGTGATGAAGGCCTTCGGGTTGTAAAGCTCTGTCTTTAGGGACGATAATGACGGTACCTGAAGAGGAAGGCACGGCTAACTTCGTGCCAGCAGCCGCGGTAATACGTAGGTGGCCAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTGTAAGTGAGAAGTGAAATACCCGGGCTCAACTTTGGTACTGCATTTGAAACTGTCAGTCTAGAGTGCAGTAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13284;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9798),o:"Bacteroidales"(0.9753),f:Bacteroidaceae(0.9108),g:Bacteroides(0.9085);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTATGTATACTGTTTCGTATGTATTATATGAATAAGAATCGGCTAACTCCGTGCCAGCAGCCGAGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGGTAAGTCAGTCGTGAAAGTTTGCGGCTCAACCGGAAAAGTGCATGTGATACTGGCAGGCTTGAGTACAGTAGAGGGGGGTGGAATTCGTGGTGTAGCGGTGAAATGCTTAGAGATCTCGAAGAACTCCGATTGCGAAGGCAGCTCACTGGACGGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU13283;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.9063),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTACGTATATTGTCTTGTATGTATTATATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATCGGGTTTAAAGGGAGCGTAGGTGGACTGGGAAGTCAGTCGTGAAAGTTAGCGGATCAACCGTAAAATTGGAGTTGATACTGTCAGTCTTGAGTACAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCCACAAGAAATCCGATTGCGAAGGCAGCTTACTGGGGTGCAATTGACACCGATGCTCGAAAGTGTGGGGATCAAAAAGGATTAGGTACCCTGGTA
>OTU13286;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:Sphingobacteriia(0.9827),o:"Sphingobacteriales"(0.9843),f:Chitinophagaceae(0.9873),g:Flavisolibacter(0.5239);
GTGTCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTATCCGGATTCACTGGGTTTAAAGGGAGCGTAGGAGGGCAGGTAAGTCAGTGGTGAAATCTTCGAGCTTAACTCGGAAACTGCCGTTGATACTATCTGTCTTGAATACCGTGGAGATGAGCGGAATATGTCATGTAGCGGTGAAATGCTTAGATATGACATAGAACACCAATTGCGAAGGCAGCTCGTTACACGAATATTGACTCTGAGGCTCGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTAGTCCACGCCCTAAACGATGGATACTCGACATACGCGATACACTGTGTGTGTCTGAGCGAAAGCATTAAGTATCCCACCTGGGAAGTACGACCGCAAGGTTGAAACTCAAATGAATTGGCGGGG

>OTU13288;tax=d:Bacteria(0.0076),p:Firmicutes(0.0000),c:Bacilli(0.0000),o:Bacillales(0.0000),f:Paenibacillaceae_1(0.0000),g:Paenibacillus(0.0000);
CTTGGTCATTTAGAGGAAGTAAAAGTCGTAACAAGGTCTCCGTTGGTGAACCAGCGGAGGGATCATTACCGAGTTTACAACTCCCAAACCCATGTGAACATACCTACTGTTGCCTCGGCGGGATTGCCCCGGGCGCCTCGTGTGCCCCGGATCAGGCGCCCGCCTAGGAAACTCAACTCTTGTTTTATTTTGGAATCTTCTGAGTAGTTTTTACAAATAAATAAAAACTTTCAACAACGGATCTCTTGGTTCTGGCATCGATGAAGAACGCAGC
>OTU13285;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Lachnospiraceae(0.0710),g:Eisenbergiella(0.0110);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGAGGGAACTCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTTTTCGGATTGTAAACTTCTGTCGCAGGGGACGAAGAATGACGGTACCCTGTAAGAAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGAGTGTAGGTGGCACAGCAAGTTATATGTGAAAAGACGAGGCTCAACCTCGGACCTGCATATAAAACTACTGAGCTGGAGTGCAGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGAGGCGAAGGCGGCTTACTGGACTGTAACGGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13287;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Eubacteriaceae(0.2184),g:Eubacterium(0.0615);
AGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATTCAGCAACGCCGCGTGTAGGAGGAAGGCCTTCGTGTCGTAAACTTCTGTCCAAATGGAAGAAGAATGACGGTACCTTTGTAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAACACGTAGGGTGCGAGCGTTATCCGGAATTACTGGGCGTAAAGAGTGCGTAGGTGGCTTTGCAAGCGTAGGGTATAAGGAGACAGCCCAAGTGTCGGTGGCCGCGCGAAATGTAAGGCTTGAGTACAGGAGGGGAAGGCGGAATGCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTTCTGGACTGTAACTGAAACTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU13290;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9776),o:"Bacteroidales"(0.9685),f:"Prevotellaceae"(0.9108),g:Prevotella(0.6200);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACTGGAGTCTGAACCAGCCAAGTAGCGTGCAGTATGACGGCCCTATGGGTAGTAAACTGCTTTTATAGGGGGATAAAGTGTTCCACGTGTGGCATATTGCAGGTACCCTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGTAAGGTCCGTGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGTGCGTCTTATAAGCGTGTTGTGAAAGGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACGGTGAGGCTTGAGTGCGAAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAGGGCAGCCTGCTGTAGCGCAACTAACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU13291;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Ruminococcaceae(0.1679),g:Clostridium_III(0.0423);

ACGGGAGACAGCAGTGGGAATATTGCGCAATGGGGGAAACCCTGACGCAGCAACGCCGCGTGAAGGAAGAAGGTC
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CAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGTGCAAAGGGCGCGTAGGCGGACTGTC
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GCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAGGGCGGCTCTCTGGACGG
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>OTU13292;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Lachnospiraceae(0.0355),g:Blautia(0.0066);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGACGGT
TTTCGTATTGTAAACTTCTTTTCTTTGTGAATAAACAAATGACGGTAGCAAAGGAATAAGCATCGGCTAACTACGTTCC
AGCAGCCGCGGTCATACGTAGGATGCAAGCGTTATCCGGATTTACTGGGTGTAGAGGGAGCGCGGGCTGGACTTCA
AGTTGGATGTGAAAGGTCAAGGCTTAACCTGGGCACGGCATGCAAAACTGTAGTTTTTGAGTGGAGTAGAGGTAAG
CGGAGGTCCGAGTGTAGCGGTGAAAGGCGTAGACGTTCGGAGGAACACCAGTGGCGAAGGAGGCTTACTGGGCTC
TAACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13293;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:"Bacteroidia"(0.1159),o:"Bacteroidales"(0.0547),f:"Marinilabiaceae"(0.0149),g:Anaerophaga(0.0066);
CCTTTCTTCCTCCTTTCTTCCTCTTTTTCCCTTTTCTTCAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGCCCTACG
GGTCGTAAACTTCTTTAGACGCAGAGCAATAAGGTCCACGCGTGGACCGATGAGAGTATGCGTAGAATAAGCATCG
GCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGT
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ACGGGAGGCAGCAGTGGAGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGG
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riales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Parapedobacter(0.0056);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGT
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ACGGAAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGT
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ostreptococcaceae(0.0904),g:Clostridium_XI(0.0181);
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riales"(0.0781),f:Sphingobacteriaceae(0.0252),g:Sphingobacterium(0.0076);

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9606),f:"Prevotellaceae"(0.8864),g:Prevotella(0.5720);
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059),g:Candidatus_Pelagibacter(0.0035);
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9798),f:Bacteroidaceae(0.9108),g:Bacteroides(0.9085);
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nospiraceae(0.0710),g:Roseburia(0.0157);

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ococcaceae_1(0.5991),g:Peptococcus(0.4351);
ACGGGAGGCAGCAGTGGGTAATCTTCCGCAATGGGCGCAAGCCTGACGGAGCAATGCCGCGTGAGTGAAGAAGGA
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bacteriales"(0.9172),f:Enterobacteriaceae(0.9015),g:Escherichia/Shigella(0.5239);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
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9497),f:"Rikenellaceae"(0.9294),g:Alistipes(0.9686);
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>OTU13307;tax=d:Bacteria(1.0000),p:Firmicutes(0.1707),c:Clostridia(0.0626),o:Clostridiales(0.0413),f:Peptostreptococcaceae(0.0099),g:Filifactor(0.0046);

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>OTU13308;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9572),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.6138),f:Bacteroidaceae(0.2184),g:Bacteroides(0.0615);

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8955),f:Bacteroidaceae(0.5991),g:Bacteroides(0.4351);
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9063),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);
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bacteriales"(0.8520),f:Enterobacteriaceae(0.7068),g:Escherichia/Shigella(0.3479);
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9939),f:Bacteroidaceae(0.8505),g:Bacteroides(0.7643);
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ridiaceae_1(0.4914),g:Clostridium_sensu_stricto(0.3043);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGCGTGATGACGGC
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GCAGCCGCGGTAATACGTAGGCGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAA
GTGGGATGTGAAATGCCGGGGCTCAACGTGGGAGCTGCAGTGCAAACTGGAAGTCTTGAGTGCAGGCAAGGAGAA
TGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATGAGGAAGAACACCAGTGGCGAAGGCGGTTCTCTGGACTGT
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>OTU13322;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9791),o:"Bacteroidales"(0.
9730),f:Bacteroidaceae(0.9015),g:Bacteroides(0.8605);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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>OTU13319;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Eubacteriaceae(0.2184),g:Eubacterium(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCTTGATGCAGCGACGCCGCGTGAAGGATGAAGTA
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AGTCTGGAGTGAAAGTCCTGCTTTCAAGGTGGGAATTGCTTTGGATACTGTTGGGCTGGAGTGCAGGAGAGGAAAG
CGGAATTACCGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACAGT
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CGTAGGAGGGTTTTTAAGTCAGCGGTGAAAGTTTGTGGCTCAACCATAAAATTGCAATTGAAACTGGGAGCCTTGAG
TGTGTATGAGGTCGGCGGAATTCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACCCCGATTGCGAAGGC
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>OTU13323;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Clostridiaceae_1(0.1872),g:Clostridium_sensu_stricto(0.0423);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGTCGCGTGAGTGATGACGGC
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>OTU13326;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Ruminococcaceae(0.2864),g:Clostridium_IV(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
TTTCGGGTTGTAAACTTCTTTTAGGAGGGAAGAACAGAAGACGGTACCTCTAGAATAAGCCACGGATAACTCCGTGC
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CGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGAT
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>OTU13325;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Clost
ridiaceae_1(0.2864),g:Clostridium_sensu_stricto(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATCCAGCGACGCCGCGTGAAGGATGAAGTA
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8737),f:Bacteroidaceae(0.5273),g:Bacteroides(0.3479);
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GTACAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGG
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>OTU13328;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9769),o:Clostridiales(0.9606),f:Clost
ridiaceae_1(0.6350),g:Clostridium_sensu_stricto(0.4787);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
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>OTU13329;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.
9606),f:Bacteroidaceae(0.8505),g:Bacteroides(0.7643);
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TACAGGAGAGGTGGGCGGAATTCGGGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGC
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>OTU13330;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Rumi
nococcaceae(0.3884),g:Oscillibacter(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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>OTU13331;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9784),o:Clostridiales(0.9707),f:Clost
ridiaceae_1(0.6709),g:Clostridium_sensu_stricto(0.5239);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
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>OTU13333;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9776),o:"Bacteroidales"(0.
9685),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);
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CGTAGGTGGACTGTTAAGTCAGATGTGAAAGGTAGCGGCTCAACCGTAGAGTTGCAGTTGGAATTGTCAGTCTTGAG
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>OTU13332;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9805),o:"Bacteroidales"(0.
9775),f:Bacteroidaceae(0.8864),g:Bacteroides(0.8124);
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9389),f:"Prevotellaceae"(0.5632),g:Prevotella(0.3915);
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9389),f:"Porphyromonadaceae"(0.9015),g:Parabacteroides(0.8605);
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9389),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);
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0000),f:"Prevotellaceae"(0.0000),g:Prevotella(0.0000);
GCCGACTGAATGCCCGCCATCTCTTTTTGAGTCTCATTTTGCCTCTCGGCACTCTCTTTCTGATTGTCCAGTTGCCTTTTA
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TTAAGCTCAGGAAATGCAGCAGCAAGATAATCACGAGTATCCTTTCCTTTATCAGCGGCAGACTTGCCACCAAGTCCA
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>OTU13337;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8189),o:Clostridiales(0.5023),f:Rumi
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nococcaceae(0.1872),g:Clostridium_IV(0.0134);
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nospiraceae(0.1679),g:Clostridium_XlVa(0.0326);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGGT
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9775),f:Bacteroidaceae(0.9015),g:Bacteroides(0.8605);
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>OTU13341;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Bacilli(0.5963),o:Lactobacillales(0.2359),f:Lactobacillaceae(0.1098),g:Lactobacillus(0.0204);
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>OTU13346;tax=d:Archaea(0.0014),p:Parvarchaeota(0.0000),g:Candidatus_Parvarchaeum(0.0000);
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GGCATCGTTTGCGAGCGCTGTGGTGTTGAGGTCACAGAGAGTCGGGTGCGACGTCACCGGATGGGTTTCATCAAGCTGGCAGCACCGGTCTCTCACGTTTGGTACCTGAAGGGTATCCCCAGCTATGTGGCCATCCTTTTGGACATGCCCCTGCGGGATGTGGAGCAGATCGTTTACTTCAACTGCTATGTGGTGCTGGATCCCGGCGACCACAAAGAGCTGAAGTACAAACAGCTGCTCACCGAGGACGAGTGGCTGGATATCTAAGACGAGATCTATGCCGAGGAATCGGAAATCGAGAACGAGCCTGTGGTGGGCATCGGTGCTGAGGCGCTCAAGCAACTGCTCGAAGACCTCACTCTGGAGGAAGTGGCTGAGCAGCTGCGTGAGGAGATCAACGGCAGCAAGGGCCAGAAGCGGGCCAAGCTGACCAAGCGCCTACG

>OTU13345;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Bacilli(0.9851),o:Lactobacillales(0.9172),f:Lactobacillaceae(0.7787),g:Lactobacillus(0.4787);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGAAGGAGCAACATCGCGTGAGTGAAGAAGGGTCTCGGCTCGTTAAGCTCCGTTGTTAGAGAAGAACGTGCGAGAGAGCAACTGTTCACGCAGTGACGGTATCTAACAAGAAAGTCACGGTCAACTACGTGACAGCAGCTGCGGTAATACGTAGGTGGCAAGCGCTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTGATAAGGCTGATGTGAAAGCCTTTGGCTTAACCAAAGGAGTGCATCGGAAACTGTCAGACTTGAGTGCAGAAGAGGACAGTGGAACTCGATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCGATGGCGAAGGCAGCTGTCTGGTCTGCAACTGACGCTGATGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU13348;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:Sphingobacteriia(0.2321),o:"Sphingobacteriales"(0.1015),f:Sphingobacteriaceae(0.0355),g:Parapedobacter(0.0076);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGGAGCCTGAACCAGCCATGCCGCGTGAGGGATTGAGGCCCTACGGGTGGTAACCTTCTTTTGCCGGGGGATAACGGGCGCCACTCGTGGCGCCGTGCAGGTACCCGGAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGATGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGGCGTCTAAGTCAGCTGTGAAAGCTCCCGGCTCAACCGCGTCAGTGCCGTGGATACTGTGTGCCTTGAATGCGGGCGAGGCCGGCGGAATTTGGCGTGTAGCGGTGAAATGCATAGATATGACAAGGAACACCGATGGCGAAGGCAGCTGGCCGGGCCTGAATTGACGCTGAGGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU13349;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Bacilli(0.2321),o:Bacillales(0.1015),f:Paenibacillaceae_1(0.0252),g:Paenibacillus(0.0076);

CCTTCCTTCCTCCTTTTTTCCTCTTTTTCCCTTTTTTCCACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTTTTCGGATCGTAAACTTCTATCCTTGGTGAAAATAATGATGGTAGCCAAGAAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCTGATAAGTTTGAAGTGAAAGTCCTTCTTTTAAGGAGGGAATGGCTTTGAAAACTGTTGGGCTTGAGTGCAGGAGAGGTAAGCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGAGCGGGAGGAACACCAGTGGCGAAGGCGGTTTACTGGACTGTTACTGACGCTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13351;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9835),c:Actinobacteria(0.9719),o:Actinomycetales(0.8629),f:Micrococcaceae(0.3884),g:Rothia(0.0904);

ACGGGAGGCAGCAGTGGGGAACATTGCACAATGGGCGCAAGCCTGATGCAGCGACGCCGCGTGAGGGATGACGGCCTTCGGGTTGTAAACCTCTTTAAGCAGGGAAGAAGCGAAAGTGACGGTACCTGCAGAAGAAGCGCCGGCTAACTACGTGCAAGCAGCCGCGGTAATACGGAGGGCGCGAGCGGTGTCCGGAATTATTGGGCGAAAAGAGCTTGTAGGCGGTTTGTCACGTCTGCTGTGAAAGCCCGGGGCTTAACTCCTGGTCTGCAGTGGGTACGGGCTTACTAGATCGCAGGAGGGGAGACTGGAATTCCTGGTGTAGCGGTGAAATGCGCAGATATCAGGAGGAACACCAATGGCGAAGTCAGGTCTCTGTGCTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGAGTAGATACCCTGGTA

>OTU13350;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Lachnospiraceae(0.2184),g:Dorea(0.0423);

CCTTTCTTCCTCCTTCTTTCCTATTTCCCCCTGGTCGCCAGCCTGATGCAGCAACGCAGCGTGAGGGAAGACGGTTTTCGGATTGTAAACCTCTGTTTTCGGTGACGAACAAATGACGGTAACCGAGTAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGATGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTTTTGCAAGCCAGATGTGAAAGCCCGGGGCTCAACCCCGGGACTGCATTTGGAACTGTATGACTAGAGTGTCGGAGAGGCAAGTGGAATTCATAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGACGGCGGCTTGCTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13353;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Peptostreptococcaceae(0.3204),g:Clostridium_XI(0.0904);

ACTTAATTCAGCAGATTTTAATATTTCACAATTTTCTAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGAGGTGAAAGGCTACGGCTCAACCGTAGTAAGCCTTTGAAACTGGGAAACTTGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGATGGCGGCCTGCTGGACTGATACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13352;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Bacilli(0.2902),o:Lactobacillales(0.1015),f:Lactobacillaceae(0.0355),g:Lactobacillus(0.0087);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGAAGAAGGTCTTCGGATTGTAAAGCTCTTTGACCAGGGACGAACACAATGACGGTACCTGAAGAACAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCTGATAAGTTTGAAGTGAAAGTCCTTCTTTTAAGGAGGGAACTGCTTTGAAAACTGTTGGGCTTGAGTGCAGGAGAGGTAAGCGGAATTCCCGGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTAGCTTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU13355;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Lachnospiraceae(0.4224),g:Clostridium_XlVa(0.2171);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCCGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCATCAGGGAAGAAAATGACGGTACCTGACTGAGGAGCCCCGGCTAACTACGTGCCAGCACCCGCGGTAATACGTAGAGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGGGATGCAAGTCTGGAGTGAAAGCCCAGGGCTTAAGGCGGGGACTGCTTTGGAAACTGTATGGCTTGAGTGCTGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACAGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13354;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Clostridiales_Incertae_Sedis_XIII(0.0560),g:Mogibacterium(0.0134);

ACGGGAGGAAGAAGGGGGGAATATTGCACAATGGGGGAACCCCTTCTTCCGCCACTCCTCGTGAAGGAAGAAGGCCTTTGGGTCGTACACTTCTGTTCTAAGGGAAGAAAAGGACTTTACCTTAGGAGCAAGTCCCGGCTAACTACTTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTACGTAGGTGGCTACCTAAGCACGAGGTTTAAGGCTATGGCTTAACCATAGTTCGCCTTGTGAACTGGGCTGCTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACAATGAGGTACGAAAGCGTGGGGAGCAAACAGGATTAGATACAATGGTA

>OTU13357;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9762),o:"Bacteroidales"(0.9497),f:"Prevotellaceae"(0.5632),g:Prevotella(0.3915);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCCGAACCAGCCAAGTAGCGTGAAGGATGAATGCCCTAGGGGTTGTAAACTTCTTTTATAAGGGAATAATAGCGGGTACGCATACCCGTTTGCATGTACCTTATGAACAAGGCTCGGCTAACGCCGTGACATCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGCGCGTAAGTCAGCTGTGAAAGTTTTGGGCTCAACCTTAAAATTGCATTTGATACTGGGTGCCTTGAGTGCAGGATAGGCAGGCGGAATTCGTGGTGTAGCGATGAAATGCTTAGATATCACGAAGAACTCCTATTGCGAAGGCAGCTTGCTGGAGTGTAACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU13356;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9762),o:"Enterobacteriales"(0.8520),f:Enterobacteriaceae(0.7068),g:Escherichia/Shigella(0.3479);

ACGGAAGGCAGCAGTGGGGAATATTGCACGATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGACGACTGCCTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTACTCATTGACATTACCCGCAGAAGAAGCCCCGGCTAACTCCGTGCCCGCAGCCGCGGTAATACGGAGGGTGCATGCGTTAATCGGAATTACTGGGCGTAAAGCGCACGCAGGCGGTTTGTGAAGGCAGATGTGAAAGCACCGGGCTCAACCTGGGAACTGCATCTGATACTGGCAAGCTTGAGTCACGTAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGGCGAAGGCGGCCCCCTGGACGAAGTCTGACGCTAAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13359;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9740),o:"Bacteroidales"(0.9172),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCCGAACCAGCCACGTCGCGTGAAGGATGAAGGCTTTATGGGTCGTAAACTCTTTTTATATAAGAATAAAGTGCAGTATGTATACTGGTTGGTACGTATTATATGATTACGGAACGGCTAACTCCGTGCAAGCAGCCGAGGTAATACGGAGGATCCGAGTGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGACTGGTAAGTCAGTTGTGAAAGTTTTCGGCTCAACCGTAAAATTGCATTTGATACTGTCAGTCTTGAGTACAGTAGAGGTGGGCGGAATTCCTGGTGTAGCGGTGAAATGCTTAGATATCACGAGGAACTCCAGTGGCGAAGGCGGCTCACTGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU13358;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9987),c:Deltaproteobacteria(0.9740),o:Desulfovibrionales(0.9172),f:Desulfovibrionaceae(0.8146),g:Desulfovibrio(0.4787);

ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCCGACGCGGCGACGCCGCGTGAGGGATGAAGGTCTTCGGATCGTAAACCTCTGTCAGAAGGGAAGAAACTAGGGTGCTCTAATCATCATCCTACTGACGGTACCTTCAAAGGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGGGCAAGCGTTAATCGGAATCACTGGGCGTAAAGCGCACGTAGGCTGTTATGTTAGTCAGGGGTGAAATCCCACGGCCCAACCGTGGAACTGCCATTGATAATGCACGACTTGAAGCCGGGAGAGGGTGGCGGAATTCCAGGTGTAGGAGTGAAATCGGTAGATATCTGGAGGAACATCAGTGGGGAAGGCGGGCAACTGGACCGGTATTGAAGCTTAGGTGCGAAAGCGTGGGGTGCAAACAGGATTAGATAACCTGGTA

>OTU13361;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9762),o:Clostridiales(0.9497),f:Lachnospiraceae(0.8505),g:Coprococcus(0.6681);

ACTTTCTCCCCCAGTTTTTCCTCTTTCCCCCTTTTTTCCCCCCTTCTGCCTCGACGCCGCTTGAGCGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGTAGGGAAGAAAATGACGGTACCTTACTAAGAAGCACCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGGTGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGTAAGTCTGAAGTGAAAGCCCGGGGCTCAACCCCGGGACTGCTTTGGAAACTATGCAGCTAGAGTGTCGGAGAGGTAAGTGGAATTAACAGTGTAGCGGTGAAATGCGTAGATATTGGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13360;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Lachnospiraceae(0.2864),g:Parasporobacterium(0.0615);

ACTTTCTTCCTCCTTTTGGAATATTTCACCCTGGTCTAAACCCTGATGCAGCGACGCCGCGTGACTGAAGAAGTATTTCGGTATGTAAAGGTCTATCAGCAAGGAAGAAAATGACGGTACTTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGTGGTAAGGCAAGCCAGAAGTGAAAGCCCGGGGCTCAACCCCGAGAACTGCTTTTGGAACGGTCGAACTAGAGTGCAGGAGGGGCAAGCGAAATTCCTAGTGTAGCGGTGAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13362;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Peptostreptococcaceae(0.0560),g:Filifactor(0.0134);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAGAGCCTGACCCAGCAATGCCGCGTGAGTGAAGAAGGTCTTCGGATTGTAAAGCTCTTTGATTAGGGACGAAAAAATGACTGTACCTAAAGAACAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATTATTGGGCGTAAAGGGTGCGTAAACGGCCGAGTAAGTTATAGGTGAAAGCCCATCTTTCAAGGATGGAATTGCTTGTAATACTGCTTGGCTTGAGTGCAGGAGAGGGAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGTACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13363;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:"Bacteroidia"(0.4428),o:"Bacteroidales"(0.2039),f:"Prevotellaceae"(0.0904),g:Prevotella(0.0110);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGCCCTATGGGTTGTAAACTGCTTTTATACGGGGATAAAGTGAGCCACGTGTGGCTTATTGCAGGTACCGTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGAAGACAAGTTGGAAGTGAAATCTATGGGCTCAACCCATAAACTGCTTTCAAAACTGTTTTTCTTGAGTAGTGCAGAGGTAGGCGGAATTCCCTGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTAACTGACGCTGAGGCACGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU13364;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9736),c:Deltaproteobacteria(0.9321),o:Desulfovibrionales(0.8303),f:Desulfovibrionaceae(0.5991),g:Desulfovibrio(0.4351);
ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGTCTTCGGATCGTAAACCTCTGTCAGAAGGGAAGAAACTAGGGTGTTCTAATCAGCATCCTACTGACGGTACCTTCAAAGGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATCACTGGGCGTAAAGCGCACGTAGGCTGTTATGTAAGTCAGGGGTGAAAGCCCACGGCTCAACCGTGGAGGGTCAGTGGAAACTGGTCGACTTGAGTGCAGAAGAGGGAAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGGCTCTAACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13365;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Clostridiaceae_1(0.0149),g:Caloramator(0.0066);
ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGTCTTCGGATTGTAAAGCTCTTTAAGCGGGGACGAAGAAAGTGACTGTACTCGCAGAATAAGCCTCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGAGGCAAGCGTTATCCGGAATGACTGGGCGTAAAGGGTGCGTAGGTGGCTCGATAAGTTAGTAGCGTAATCCCGGGGCTCAACTTCGGAACTACTACTAAAACTATCGGGCTTGAGTGCAGGAGGGGCAGATGGAATTCCCAGTGTAGCGGTGGAATGCGTAGATATTGGGAAGAACACCGGCGGCGAAGGCAATCTGCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13368;tax=d:Bacteria(1.0000),p:"Planctomycetes"(0.9348),c:Planctomycetia(0.8048),o:Planctomycetales(0.5395),f:Planctomycetaceae(0.3544),g:Rhodopirellula(0.0204);
GTGCCAGCAGCCGCGGTAAGACGAGCTCCCCGAACGTTATTCGGTATCACTGGGCTTAAAGAGTTCGTAGGCGGTCTGGTAGGTGAGGTGTGAGATCCCCCGGCTCAACCGGGGAACTGCGCTTCAAACCACCGGACTTGAGGGAGACAGAGGTGGGCGGAACAGATGGTGGAGCGGTGAAATGCGTTGATATCATCTGGAACACCGGTGGCGAAAGCGGCCCACTGGGTCTTTTCTGACGCTGAGGAACGAAAGCTAGGGTAGCGAACGGGATTAGATACCCCGGTAGTCCTAGCCGTAAACGATGAGCACTAGCCCGTGGGGACTTTCACATCCTCTCGGGCGTAGCGAAAGTGTTAAGTGCTCCGCCTGGGGAGTATGGTCGCAAGGCTGAAACTCAAATGAATTGACGGGG
>OTU13366;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Erysipelotrichia(0.8472),o:Erysipelotrichales(0.6509),f:Erysipelotrichaceae(0.4563),g:Turicibacter(0.2607);
ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGAATGATGAAGGCCTTCGGGTTGTAAAATTCTGTTATAAGGGAAGAACGACTTTAGTAGGAAATGGCTAGAGTGTGACGGTACCTTATGAGAAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTGAAACGTAGGGTGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGACCGGCAAGTTGGAAGTGAAATCTATGGGCTCAACCAATAAATTGCTTTCAAAACTGCTGGCCGTGAGTAGTGCAGAGGTAGGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGAGATATGGAGGAACACCAGTGGCGAAGGCGGCTTCCTGGTCTGTAACTGACACTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13367;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Ruminococcaceae(0.0710),g:Clostridium_III(0.0157);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGTAAACTTTATTAAGCAGGGAAGAAGAAAGTGACGGTACCTCCAGATTAAGCCACTGCTAACTACGTGCCACCACCCGCGGTAATCCGTCGGGAGCAATCTTTATCCGGATTTATTGGGTGTAAAGGGTGCGTAGACGGGAAATTAAGTTAGTTGTGAAATCCCTCGGCTTAACTGAGGAATTGCAACTAAAACTGGTTTTCTTGAGTGCTGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTTCTGGACAGTAACTGACGTTGAGGCACGAACGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13369;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6036),c:Flavobacteriia(0.1159),o:"Flavobacteriales"(0.0547),f:Flavobacteriaceae(0.0149),g:Flavobacterium(0.0066);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGTCCTATGGATTGTAAACTGCTTTTTTCGGGGAATAATAAGACTTTTGCGAAGGTTGATGCAGGTACCCGAAGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATTCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGCGCGCCAAGTCAGCGGGCAAAGTTCCGGGCTCAACCCGGTGTCGCCGTTGAAACTGGCGTGCTCGAGTGCGTGCGAGGAAGGCGGAATGCGTTGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTTACTGACACTGAGGCACGAAAGTGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU13370;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Peptostreptococcaceae(0.1291),g:Clostridium_XI(0.0230);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTTCGGAATTACTGGGCGTAAAGGGTGTGTAGGCGGAGAGGTAAGTCAGGTGTGAAATGCTCGGGCTTAACCTGGGAATTGCATTTGTGACTGCACGGCTAGAGTGTGTCAGAGGTGGGTAGAATTCCACGTGTAGAGGTGAAATGCGTAGATATGTGGAGGAATACCGATGGCGAAGGCAGCTCCCTGGGATAACACTGACGCTCAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13371;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Ruminococcaceae(0.1872),g:Ruminococcus(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCGACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCCTTAGTGACGAAAATGACGGTAGCTAAGGAGGAAGCCACTGCTAACTACGTGCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGAAGATAAGTTGGACGTCTAATCTATCGGCTTAACCGATAGTCGCGTTCAAAACTGTCTTTCTTGAGTGAAGTAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAAATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGGCTCTAACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13374;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9321),o:"Bacteroidales"(0.8412),f:"Porphyromonadaceae"(0.5273),g:Parabacteroides(0.2171);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGAGAGGCTGAACCAGCCAAGTCGCGTGAAGGATGAAGGATCTATGGTTTGTAAACTTCTTTTATACGGGAATAAAGTGAGCCACGTGTGGTTTTTTGTATGTACCGTATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGTGGTCTTTTAAGTCAGCGGTGAAATGTAGGGGCTCAACCAGTAATTTGCCATTGATACTGGGTTGCTTGAGTATGTTTGCGGTAGGCGGAATGTGTAGTGTAGCGGTGAAATGCATAGATATTACGCAGAACACCGATTGCGAAGGCAGCATACCAAGCCATAACTGACACTGAAGCACGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU13373;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:Sphingobacteriia(0.4045),o:"Sphingobacteriales"(0.1719),f:Sphingobacteriaceae(0.0710),g:Arcticibacter(0.0134);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCATGCCGCGTGCAGGAATGAGGCCCTATGGGTCGTAAACTGCTTTTGTGGTGGAGCAATAAGACGTACGCGTACGTCGATGAGAGTACATCACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGGTGTTTAAGCGTGAGGTGAAATGCCGTGGCTCAACCATGGAACTGCCTCGCGAACTGGGCATCTTGAATAGCCGTGCCGTGGGAGGAATGTGTGGTGTAGCGGTGAAATGCATAGAGATCACACAGAACACCGATTGCGAAGGCATCTCACGAACGGTCGATTGACGCTGAGGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU13372;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Rumi
nococcaceae(0.1291),g:Saccharofermentans(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
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9389),f:Bacteroidaceae(0.6709),g:Bacteroides(0.5239);
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>OTU13376;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.8048),o:Clostridiales(0.5023),f:Rumi
nococcaceae(0.2184),g:Clostridium_III(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGGGAAACCCTGATCCAGCAACGCCGCGTGAAGGAAGAAGGC
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ridiaceae_1(0.5991),g:Clostridium_sensu_stricto(0.4351);
ACGGAAGGAAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
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ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGAACGAAGAAGGCCTTAAGGTTGTAAAGTTCTTTTGAAACTGAAGAATAAGTATTGCCGGGAATGGCGATATGGTGACGGTAGTTTTTTAATAAGCAACGGCTAATTACGTGCCAGCAGCCGCGGTAACACGTCAGTTGCGAGTGTTGTTCGGAATTATTGGGCGTAAAGGGCATGTAGGCGGTTTTGCAAGCTTGGTGTGAAATGCATAGGCTCAACCTATGAAATGCATTGAGAAATAAAAGACTTGAGTGAATGAGGTGGAAGTGGAATTCCAGGTGTAGGGGTGAAATCGGCAGATATCTGGAAGAACACCAAGGGCGAAGGCAGGTTTAAAGCAGATAACTGACGCTGAGGTGCGAAGGTGCGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13381;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.9063),f:"Prevotellaceae"(0.4914),g:Prevotella(0.3043);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGCCGCGTGAAGGATGACTGATCTATGGGTTGTAAATTCCTTTTATAAGGGAATAAATGTGGGTACGCGTACCCATTTGCATGTACCTCATGAATAAGAATCGGCTAACACCGTGTCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGCGCTTAAGTCAGATGTGAAAGTTTGGGGCTCAACCTTAAAATTGCAGTTGAAACTGGGTGGCTTGAGTGTAGTAGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCTATTGCGAAGGCAGCTTGCTGGAGTGTAACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU13382;tax=d:Archaea(0.0024),p:"Euryarchaeota"(0.0000),c:Thermoplasmata(0.0000),o:Thermoplasmatales(0.0000),f:Thermoplasmatales_incertae_sedis(0.0000),g:Thermogymnomonas(0.0000);

CCTACTCCGGCACACAACAATACTGATAGCAGTCGGCGTGTGAATCATTAGCCTTGCGACCCTCGGCAGCAAGAACCATCCGACCCATATCACGAAAATAGTCACGCAAAGCATTGGGATTATCATAAAACGCCTCTAATCGGTCGTCAGCCAACGTGAGAGTGTCAAAAACGATAAACCAACCATCAGCATGAGCCTGTCGCATTGCATTCATCAAACGCTGAATAGCAAAGCCTCTACGCGATTTCATAGTGGAGGCCGACAGCAATCTTGAACACTCATCCTGAATACCTTTCTTTTTGGGGTAATTATACTCATCGCGAATATCCTTAAGAGGGAGGTCAGCGGCCAGCTGGCGGCAAAACTGCGTACCCGT

>OTU13380;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9992),c:Actinobacteria(0.9871),o:Actinomycetales(0.9911),f:Actinomycetaceae(0.9852),g:Actinomyces(0.9799);

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ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGGGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTAGAGAAGAACGTGCGTGAGAGCAACTGTTCACGCAGTGACGGTATCTAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTGATAAGTCTGAGGTGAAAGCCTTTGGCTTAACCAAAGAAGGGCTTCGGAAACTGTCAGACTTGAGTGCAGAGGAGGACGGTGGAACTCCATGGGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCGGGGGCGAAGGCGGCCGGCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCAGGGGTAGCGAACAGGATAGATACCCTGGTA
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ACGGGAGGCAGCAGTGAGGAATATTGCTCAATGGGCGCTAGCCTGAACCGGCCAAGTAGCGTGAAGGATGAAGGCTCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTACGTATATTATTTTGTCTGTATTATATGAATCAGGAACGGCTAATTCCGTGCCAGCAGCGAGCGTAATACGGATGTTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTTGTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGTCAGTCTTGAGTACAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU13385;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9671),c:Spirochaetia(0.9180),o:Spirochaetales(0.8303),f:Spirochaetaceae(0.6350),g:Treponema(0.3043);
ACGGGAGGCAGCAGCTAAGAGTATTCCGCAATGGACGAAACTCTGACGGAGCGACGCCGCGTGAACGAAGAAGGCCGGCGGGATGTAAAGCTCTATCAAAACTGAAGAATAAGTATTGCAGGGAATGGCGATATGGGGACGGTAGGTTTTGAATAAGCAACGGCTAATTACGTGCCAGCAGCCGCGGTAACACGTAAGTTGCGAGAGTTGTTCGGAATTATTGGGCGTAAAGGGCATGTAGGCGGTTTTGCAAGCTTGGTGTGAAAGGCATAGGCTCAACCTAGGAACTGCATTGAGAACTACAAGACTTGAGTTACGGAGGTGGAACTGGAATTCCAGGTGTAGGGGTGAAATCTGCAGATATCTGGAAGAACACCAATGGCGAAGGCAAGTTTCAAGCAGATAACTGACGCTGAGGTGCGAAGGTGCGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13386;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Bacilli(0.8189),o:Lactobacillales(0.5395),f:Streptococcaceae(0.3204),g:Streptococcus(0.0904);
ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGGGCAACCCTGACCGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTAAGAGAAGAACTGTGAGAAGAGTGGAAAGTTTCTCACTTGACGGTATCTTACCAGAAAGGGACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTCCCGAGCGTTGTCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGCGCGCCAAGTCAGCGGTCAAAGTTCCGGGCTCAACCCGGTGTCGCCGTTGAAACTGGCGTGCTCGAGTGTCGGAGGGGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGG

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ridiaceae_1(0.4563),g:Clostridium_sensu_stricto(0.2171);
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acillaceae(0.9201),g:Lactobacillus(0.7162);
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monadales(0.2999),f:Alteromonadaceae(0.1485),g:Marinobacterium(0.0326);
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(0.0291),f:Streptomycetaceae(0.0073),g:Streptomyces(0.0039);
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"(0.9946),f:Flavobacteriaceae(0.9881),g:Flavobacterium(0.9705);
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"(0.9889),f:Flavobacteriaceae(0.8146),g:Flavobacterium(0.2607);
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nospiraceae(0.2184),g:Clostridium_XlVa(0.0615);
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9389),f:"Prevotellaceae"(0.8505),g:Prevotella(0.5239);
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anaerovirga(0.0157);
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cteriaceae(0.8864),g:Eubacterium(0.8124);
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bacteriales"(0.2679),f:Enterobacteriaceae(0.1291),g:Escherichia/Shigella(0.0230);
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nococcaceae(0.3544),g:Clostridium_IV(0.0230);
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4280),f:"Prevotellaceae"(0.1291),g:Prevotella(0.0230);
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9798),f:Bacteroidaceae(0.9201),g:Bacteroides(0.9566);
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8955),f:"Prevotellaceae"(0.6709),g:Prevotella(0.3479);
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ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAAAGCCGCGTGAAGGAAGAAGGC
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6881),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0808);
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9172),f:"Prevotellaceae"(0.7068),g:Prevotella(0.4351);
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ridiaceae_1(0.3204),g:Clostridium_sensu_stricto(0.0904);
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8303),f:"Prevotellaceae"(0.4914),g:Prevotella(0.2607);
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1249),f:"Prevotellaceae"(0.0457),g:Prevotella(0.0110);
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4280),f:"Porphyromonadaceae"(0.1291),g:Parabacteroides(0.0204);
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8737),f:"Prevotellaceae"(0.3884),g:Prevotella(0.1735);
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6881),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0615);
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"(0.1015),f:Flavobacteriaceae(0.0355),g:Galbibacter(0.0076);
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3959),f:"Prevotellaceae"(0.0710),g:Prevotella(0.0157);
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7623),f:"Prevotellaceae"(0.4914),g:Prevotella(0.0615);
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8629),f:"Prevotellaceae"(0.5991),g:Prevotella(0.0904);
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(0.9942),f:Kineosporiaceae(0.9387),g:Kineosporia(0.7162);
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0413),f:Prolixibacteraceae(0.0099),g:Prolixibacter(0.0043);
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8955),f:"Prevotellaceae"(0.7428),g:Prevotella(0.2171);
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5766),f:"Prevotellaceae"(0.1485),g:Prevotella(0.0326);
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679),f:Erysipelotrichaceae(0.1291),g:Turicibacter(0.0230);
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7623),f:Bacteroidaceae(0.3204),g:Bacteroides(0.0904);
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bacterales(0.8846),f:Campylobacteraceae(0.6709),g:Campylobacter(0.5239);
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nospiraceae(0.3884),g:Blautia(0.0808);
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547),f:Erysipelotrichaceae(0.0149),g:Turicibacter(0.0066);
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(0.8737),f:Micrococcaceae(0.3544),g:Kocuria(0.1299);
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8955),f:"Prevotellaceae"(0.3204),g:Prevotella(0.0904);
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nospiraceae(0.3544),g:Clostridium_XlVa(0.1299);
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.1249),f:"Fusobacteriaceae"(0.0457),g:Fusobacterium(0.0110);
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1249),f:"Prevotellaceae"(0.0252),g:Paraprevotella(0.0076);
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8955),f:"Prevotellaceae"(0.3884),g:Prevotella(0.1735);
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6509),f:Bacteroidaceae(0.3544),g:Bacteroides(0.1299);
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2359),f:"Rikenellaceae"(0.0904),g:Alistipes(0.0181);
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acillaceae(0.9201),g:Lactobacillus(0.8605);
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7995),f:"Prevotellaceae"(0.4563),g:Prevotella(0.0712);
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nococcaceae(0.3204),g:Gemmiger(0.0423);
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3),f:Cytophagaceae(0.0113),g:Rhodocytophaga(0.0056);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGATGGAAGTCTGATCCAGCCATGCCGCGTGCAGGACGACGGT
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CACCGGCTAACTCCGTGCCAGCAGCCGCGGTCATACGGAGGGTGCAAGCGTTATCCGGATTTATTGGGTTTAAAGGG
TGCGTAGGCTGTAAGTCAAGTCAGCGGTGAAAAGTCGGGGCTAAACCGTGGGGGTGCAGTGGAAACTGACTTCCTA
GAATGTGGAGGAGGCCGGCGGAATGTGTGAAGTAGCGGTGAAATGCATAGATATGACACAGAAGGCCGATTGCGA
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>OTU13537;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9966),c:Betaproteobacteria(0.9604),o:Burkholder
iales(0.8303),f:Sutterellaceae(0.5991),g:Sutterella(0.4351);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGGGCAACCCTGATCCAGCCATGCCGCGTGCAGGATGAAGGC
CTTCGGATTGTAAACTGCTTTTGTCAGGGACGAAAAGGACTGTGTTAATACCATAGTCTGCTGACGGTACCTGAAGAA
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TCTAGAGTTCATTAGAGGTGGGTGGAATTCCAAGTGTAGCGGTGAAATGCGTAGATATTTGGAAGAACACCGATGGC
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nospiraceae(0.5991),g:Coprococcus(0.3479);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
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GGAATTCCTCGTGTAGTGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGATG
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nococcaceae(0.0252),g:Intestinimonas(0.0076);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGT
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GTACTGGAGAGGCAGGCGGAATTCCGTGTGTAGCGGTGAAATGCGTGGATATACGGAGGAACACCAGTGGCGAAG
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>OTU13540;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.5174),c:Flavobacteriia(0.0626),o:"Flavobacteriales
"(0.0413),f:Flavobacteriaceae(0.0099),g:Epilithonimonas(0.0046);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGATCCAGCCATGCCGCGTGAAGGACTAAGGC
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CATCGGCTAAATCCGTGCCAGCAGCCGCGGTAGTACGGGGGATGTGAGCGTTATCCGGATTTATTGGGTTTAAAGGG
TGCGTAGGCGGAATTGCAAGTCAGACGTGAAATCCCCGCGCTCAACGCGGGAGTTGCCTTTAATACTGTACATCTAG
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illales(0.1015),f:Rhodospirillaceae(0.0355),g:Azospirillum(0.0087);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGAAGGC
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acillaceae(0.7428),g:Lactobacillus(0.5720);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGCTGGAGCAACTCCGCGTGAGTGAAGAAGGTC
GTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAG
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AGCGAGCGCAGGCGGAAAAATAAGGCTAATGTGAAAGCCCTCGGCTTAAACGAGGAAATGCATCGGGAACTGGTTT
TCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGGG
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>OTU13544;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:Sphingobacteriia(0.0726),o:"Sphingobacte
riales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Parapedobacter(0.0056);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGT
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TCGGCTAACTCCGTCCCAGCAGCCGCGGTAATACGGAGGATTCGAGCGTTATCCGTATTTATTGGGTTTAAAGGGTGC
GTAGGCGGTTAGATAAGTTTGAGGGTAAATGCTTCTGCTCAACAGGAGTCTGCATTGGAAACTGGCTGACTAGGATG
TAGACGGCGGAGGCGGAATGACTCGTGTAGCGGTGAAATGCATAGATATGAGTCAGAACACCGATCGCGAAGGCA
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>OTU13543;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9987),c:Gammaproteobacteria(0.9747),o:"Entero
bacteriales"(0.8412),f:Enterobacteriaceae(0.6709),g:Escherichia/Shigella(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
CTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAGGTTAATACCTTTACTCATCGACGTTACCCGCAGA
AGAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGT
AAAGCGCACGCAGGCGGTTTGTTAAGTCTGGTGTGAAATCCCACGGCTCAACCGTGGAACTGCATCTGATACTGGCA
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GTA
>OTU13547;tax=d:Bacteria(0.0093),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Clostridiales(0.0000),f:Syntr
ophomonadaceae(0.0000),g:Thermohydrogenium(0.0000);
TTTCTTTCCCCTCCTCTTCTTTCTCTTTTCTTCCTCTTCCCACAGTTTGGATTGCTACTGACCGCTCTCGTGCTCGTCGCTG
CGTTGAGGCTTGCGTTTATGGTACGCTGGACTTTGTAGGATACCCTCGCTTTCCTGCTCCTGTTGAGTTTATTGCTGCC

GTCATTGCTTATTATGTTCATCCCGTCAACATTCAAACGGCCTGTCTCATCATGGAAGGCGCTGAATTTACGGAAAACA
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>OTU13546;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9820),o:"Bacteroidales"(0.
9821),f:Bacteroidaceae(0.9294),g:Bacteroides(0.9686);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGC
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TCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGTATTTATTGGGTTTAAGGGGAG
CGTAGGTGGACTGGTAAGTCAGTTGTGAAAGTTTGTGGCTCAACCGTATACTTGCAGTTGATACGGTCAGTCTTGAGT
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>OTU13545;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Rumi
nococcaceae(0.1485),g:Intestinimonas(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCTAGCAACGCCGCGTGAAGGATGAAGGC
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AGTCAGATGTGAAATGCCGAGGCTTAACTTCGGGGCTGCAGTTGAAACTGCTGTTCTTGAGTGATGGAGAGGCAGG
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0000),f:"Prevotellaceae"(0.0000),g:Prevotella(0.0000);
ACCGAATTCTGTCAGGATGCTGTTTCGCATCAGGGCAACGCTGCGATCATAATTCCCTTCCCTGAACATAACTTCAAGC
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TCAGGGCTACAACAATCACCGTTCCTGCCGTGGCAAATTTTGCCAGGGAGTCAGATATCACAATGACGCTCTGTGCAT
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GTCAGATCGC
>OTU13551;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9762),o:"Bacteroidales"(0.
9497),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
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GTATAGTAGAGGTAGGCGGGATGCGTGGTGTAGCGGTGAAATGCTAAGATATCAGGAAGAACTCCGATTGCGAGG
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0413),f:Marinilabiliaceae(0.0099),g:Alkalitalea(0.0046);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
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TGGAGTGCGGGTGGCGCCGGAGGAATGAGTGGTGTAGCGGTAAAATGCTTAGATATCGCTCAGAACACCGATTGCG
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9280),f:"Porphyromonadaceae"(0.9015),g:Butyricimonas(0.7162);
ACGGAAGGCAGCAGTGAGGAATATTGGTAAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAGGAATGG
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GAGGAGAAGAGGGAGGCGGAACAAGTGAAGTAGCAGGGACATGCATAGATACCACTTGGGAACCCGATAGCGAAG
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0000),f:"Prevotellaceae"(0.0000),g:Prevotella(0.0000);
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TACGTTGCAGGCTGGCACTTCTGCCGTTTCTGATAAGTTGCTTGATTTGGTTGGACTTGGTGGCAAGTCTGCCGCTGA
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TTCCTCTGCTGGGATGGTGGACGCCGGATATGAGAATCAAAAAGAGCGTACGAAAATGCAACTGGACAATAAGAAA
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4652),f:"Prevotellaceae"(0.1485),g:Alloprevotella(0.0230);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACAAGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGTCC
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>OTU13556;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.9280),f:"Prevotellaceae"(0.7787),g:Prevotella(0.4787);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGGCACGTGTGGCATATTGCCGGTACCATATGAATAAGGCACGGGCAATTCCGTGCCGGCGGCCGGCGTAATACGGAAGTTCCGGGCGTTAACCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTTATAAGCGTGTTGTGAAATGTCGGGGCTCAAACTGGGCATTGCAGCGCGAACTGGGAGACTTGAGTGCGCAGGAAGTAGGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCCACTGTAGCGTAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU13557;tax=d:Bacteria(0.0024),p:"Proteobacteria"(0.0000),c:Betaproteobacteria(0.0000),o:Burkholderiales(0.0000),f:Alcaligenaceae(0.0000),g:Azohydromonas(0.0000);

GGGATCGTCTGTGAGCGCTGTGGTGTGGAGGTCAACGAAAGCCGGGTGCGTCGTCACAGGATGGGTTTCATCAAGCTGGCAGCACCGGTATCTCACGTCTGGTACCTGAAGGGCATCCCCAGCTATGTGGCCATCCTTCTGGACATGCCCCTGCGGGATGTGGAGCAGATCGTTTACTTCAACTGTTACGTGGTGCTGGACCCCGGCGACCACAAAGAGCTGAAGTACGAACAGATGCTCACCGAGGACGAGTGGCTGGAGATCGAAGACGAGATCGATGCCGAGGTAGCGGAGATCGAGGACGAGCCTGGGGTGGGCATCGCTGCTGAGGCGCTCAAGCAACTGCTCGAAGACCTCAATCTGGTGGAAGTGGCTGAGCAGCTGCGTGAGGAGATCAACGGCAGCAAGGGCCAGAAGCGGGCCAAGCTGATCAAGCGCCTACG

>OTU13553;tax=d:Bacteria(1.0000),p:Firmicutes(0.3448),c:Clostridia(0.1159),o:Clostridiales(0.0547),f:Eubacteriaceae(0.0113),g:Alkalibacter(0.0056);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGAAGAAGGTCTTCGGATTTTAAAGCTCTTTGATCAGGGACGAACACTATGACGGTACCTGCAGAACAAACCCCCGCTAACTACGTGCCAGCAGTCGTGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGTGTGTAGGCGGGCTCGCAAGTCGGATGTGTAATACCCAGAGCTTAACTCGTGTGCTGCATCTGAAACTAGGAGTCTTGAGTGTCGGAGAGGTAAGTGGAATTCCTGGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACATCGGTGGCGAAGGCGACTTACTTGACGATGACTGACGCTAAAGCACGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU13555;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Lachnospiraceae(0.1485),g:Clostridium_XlVb(0.0230);

ACGGAAGGCAGCAGTAAGGGATATTGGTCAATGGGCGGGAGCCTGAACCAGCCATGCCGCGTGAGGGAATGAGGCCCTACGGGTCGTAAACCTCTTTTGCCGGGGGATAACGGGCGCCACGCGTGGCGCCGTGAAGGTACCCGGAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGTGTAGGCGGCATGTCAAGCCAGATGTGAAAGCCCGGGGCTTAACCCCGTGGATTGCATTTGGAACTGGCAAGCTAGAGTACAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCCAACTGGGCTTTTACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13558;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9168),c:"Bacteroidia"(0.6346),o:"Bacteroidales"(0.3639),f:"Prevotellaceae"(0.1291),g:Alloprevotella(0.0157);

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>OTU13560;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.9280),f:"Prevotellaceae"(0.8505),g:Prevotella(0.5239);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTTTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGTCATATTGCAGGTCCCCTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATCCGGAAGGTCCGGGCGTAATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTTATAAGCCTGGTGTGAAATGTCGGGGCTCAACCGAGGGATTGCAGTGGGAACTGTGAGACTTGAGTGCGCGGGAAGTAGGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATGGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU13559;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8472),o:"Bacteroidales"(0.6509),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0519);

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>OTU13561;tax=d:Bacteria(0.0024),p:Firmicutes(0.0000),c:Bacilli(0.0000),o:Bacillales(0.0000),f:Paenibacillaceae_1(0.0000),g:Paenibacillus(0.0000);

ACCGGTCGCAACGTAAGAGCTTCTCGAGCTGCGCAAGGATAGGTCGACTTTTCTCATTTTCCGCCAGCAGTCCACTTCGCTTTAATTCGTAAACAAGCAGTAGTAATTCCTGCTTTATCAAGATAATTTTTCGACTCATCAGAAATATCCGAAAGTGTTAACTTCTGCGTCATGGAAGCGATAAAACTCTGCAGGTTGGATACGCCAATCATTTTTATCGAAGCGCGCATAAATTTGAGCAGATTTGTCGTCACAGGTTGCGCCGCCAAAACGTCGGCTACAGTAACTTTTCCCAGCCTCAATCTCATCTCTCTTTTTGCGTTCTGCTTCAATAGCTGGTTGAACGGCGCGGTTCAGCAGGAATGCCG

>OTU13563;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9769),c:"Bacteroidia"(0.5579),o:"Bacteroidales"(0.2999),f:"Prevotellaceae"(0.0560),g:Paraprevotella(0.0110);

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riales"(0.1015),f:Sphingobacteriaceae(0.0355),g:Olivibacter(0.0066);
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GCATCGGCTCACTCCGTTCCAGCAGCCGCGGTAATACGGCGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGG
GTGCGCAGGCGGGCGTCTAAGTCAGAGGTGAAAGTTCCCGGCTCAACCGGGTGAGTGCCGATGATACTGGGGTTCT
TGAGTGCGGTAGAGGCCGGCGGAATTCGGCGTGTAGCGGTGAAATGCATAGATATGCCAAAGAACACCGATGGCG
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nococcaceae(0.1291),g:Clostridium_III(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCCACGCCGCGTGAAGGAAGAAGGC
CTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGGACGTGACGGTACCTGGAGAAAAAGCAACGGCTAACTACGTG
CCAGCGGCAGCGGTGATACGTCGGTTGCAGGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGTGTAGGCGGAGGA
GCAAGTCAGATGTGAAATCACGGTGCTTAACACCGGAACTGCATCGGAAACTGTTTCCCTTGAGTAGCGGAGAGGCA
AGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACG
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6138),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0204);
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ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGTGCGTTATCCGGATTTATTGGGTTTCAAGGGA
GCGCAGGCCGCCGGTCAAGCGTGTTGTGAAAGTCAGTCTCTCAACGTCTGAACTGCAGCGCGAACTGCCCAGCTTGA
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>OTU13566;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:Sphingobacteriia(0.1740),o:"Sphingobacte
riales"(0.0781),f:Sphingobacteriaceae(0.0252),g:Olivibacter(0.0076);

ACGGGAGGCAGCAGTAAGGGATATTGGTCAATGGGCGGGAGCCTGAACCAGCCATGCCGCGTGAGGGAATGAGGC
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GGAATGCGGTAGAGGCGGGCGGAATTTGGCGTGTAGCGGTGAAAGGCATAGATATTACAAAGAACACCGATGGCG
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7623),f:Bacteroidaceae(0.2864),g:Bacteroides(0.0808);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGC
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CGTAGGTGGAGTGGTAAGTCGGTCGTGAAAGTTAGCCGCTCAACCGTTGAATTGCAGTTGGAACTGTCCGTCTTGAG
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>OTU13567;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Rumi
nococcaceae(0.2524),g:Ruminococcus(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAAACCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
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CAGCAGCCGCGGGAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCATGG
CAAGTCTGATGTGAAAACCCAGGTCTCAACCGTGGCAGTGCTATGGAAACGGTCAATCTGGAGTGTCGGAGAGGTA
AGCGGAATTCCTAGTGTATCGGCGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACG
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_XI(0.0000),g:GpXI(0.0000);
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ACCAGCAAGGAAGCCACGATGGGAAAGGTCATGCGGCATACGCTCGGCGCCAGTTTGAATATTAGACATAATTTATC
CTCAAGTAAGGGGCCGAAGCCCCTGCAATTAAAATTGTTGACCACCTACATACCAAAGACGAGCGCCTTTACGCTTGC
CTTTAGTACCTCGCAACGGCTGCGGACGACCAGGGCGAGCGCCAGAACGGTGTTTACCTTTAGACATTACATCACTCC
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>OTU13569;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Rumi
nococcaceae(0.0904),g:Anaerofilum(0.0134);

ACGGGAGGCAGCAGCGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
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CCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGATTTATTGGGTGTAAAGGGTGAGTAGGCGGGCTGA
CAAGTCAGATGTGAAATGTTCGGGCTTAACCTGAGAACTGCATTTGAAACTGCCAGTCTTGAATGTCGGAGGGGTAA
TCGGAATTCCCGGCGTAGCGGTGGAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGGCAC
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>OTU13571;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Bacilli(0.3483),o:Bacillales(0.1483),f:Paenibacillaceae_1(0.0560),g:Paenibacillus(0.0134);
AAGGGAGGAAGAAGGGGGGAAGAGGGGGAAAGGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAG
GGTTTCGGCTCGTAAACCTCTGTCCTATGGGACGAAGGAAGTGACGGTACCATAGGAGGAAGCCCCGGCTAACTACG
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AAAGCGGAATTACCGGTGTAGCGGTGAAATGCGTAGAGATCGGTAGGAACACCAGTGGCGAAGGCGGCTTTCTGGA
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>OTU13570;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Clostridiales_Incertae_Sedis_XII(0.0355),g:Acidaminobacter(0.0087);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGC
TTTCGGGTTGTAAACCTCTGTCCTTGGTGACGAAGGAAGTGACGGTAGCCAAGGAGGAAGCGCCGTATAACTACGA
GCCAGCAGCAACGGTAAGACGGAAGGGGCGATCGTAGTCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTCT
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AAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACTCCAGTTGCGAAGGCGGCTTTCTGGACT
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>OTU13575;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Clostridiaceae_1(0.6350),g:Clostridium_sensu_stricto(0.4351);
CCTTCCTTCCTCATTTTGTAATATTGGGCAATGGGGGAAACCCTGACGCAGCAACGCCGCGTGAATGATGAAGGCCTT
AGGGTTGTAAAGTTCTGTTTTATGGGACGATAATGACGGTACCAGAGGAGGAAGCCACGGCTAACTACGTGCCAGC
AGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGATGCGTCGGCGGATGCTTAAGT
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AATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGGATTTCTGGACGATAAC
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>OTU13576;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Clostridiaceae_1(0.1872),g:Clostridium_sensu_stricto(0.0326);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCTTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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GGAATTCCATGTGTAGCGGTAAAATGCTTAGATATAGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTA
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>OTU13573;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Rumi
nococcaceae(0.1872),g:Intestinimonas(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCCGACCCAGCAACGCCGCGTGCAGGAAGAAGGC
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>OTU13574;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Rumi
nococcaceae(0.3884),g:Clostridium_IV(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCCGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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>OTU13577;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Lach
nospiraceae(0.2864),g:Lachnospiracea_incertae_sedis(0.0615);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGAGGAAGAAGG
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GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACTGTA
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>OTU13579;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lach
nospiraceae(0.3884),g:Ruminococcus2(0.0904);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
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iales(0.6881),f:Sutterellaceae(0.4914),g:Sutterella(0.3043);
ACGGGAGGCAGCAGTGGGGAATTTTGCACAATGGGGGCAACCCTGATCCAGCCATGCCGCGTGCATGATGAAGTTC
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5023),f:"Prevotellaceae"(0.1679),g:Paraprevotella(0.0230);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAGGGATGACTGC
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9707),f:"Porphyromonadaceae"(0.9480),g:Butyricimonas(0.9566);
ACGGGAGGCAGCAGTGGGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAATGG
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>OTU13581;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Rumi
nococcaceae(0.5632),g:Gemmiger(0.0808);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGAGGAAGAAGG
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>OTU13584;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Lachnospiraceae(0.0457),g:Clostridium_XlVb(0.0110);

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ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
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ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGTGAAGAATGG
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AAGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCGGGAAGACGGC
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2359),f:"Porphyromonadaceae"(0.0560),g:Barnesiella(0.0087);

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9606),f:"Prevotellaceae"(0.8505),g:Prevotella(0.6200);
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riales"(0.2039),f:Sphingobacteriaceae(0.0904),g:Parapedobacter(0.0110);
ACGGAAGGCAGCAGTAAGGGATATTGGTCAATGGGCGGGAGCCTGAACCAGCCATGCCGCGTGAGGGAATGAGGC
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nococcaceae(0.0099),g:Anaerobacterium(0.0046);
ACGGGAGGCAGCAGTCGGGAATATTGCGCAATGGAGGAAACTCTGACGCAGTGACGCCGCGTGCAGGAAGAAGTA
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0000),f:Thermodesulfobiaceae(0.0000),g:Coprothermobacter(0.0000);

TTCTTGAAGGCTTCCCATTCATTCCGGAACCGCCTTCTGGTGCTTTGCAAGCACGCGTCCTTATTCGCCACCATGCTTAT
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nospiraceae(0.2524),g:Eisenbergiella(0.0519);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGGGGAAGAAGT
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8955),f:Bacteroidaceae(0.4914),g:Bacteroides(0.3043);

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GTGCGGTAGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATAACGAAGAACACCGATTGCGAAGG
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>OTU13624;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Lach
nospiraceae(0.0904),g:Clostridium_XlVa(0.0181);

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>OTU13627;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8472),o:Clostridiales(0.6138),f:Rumi
nococcaceae(0.3204),g:Clostridium_IV(0.0204);

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9730),f:"Prevotellaceae"(0.9108),g:Prevotella(0.7162);
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7623),f:Bacteroidaceae(0.2864),g:Bacteroides(0.0808);
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0291),f:Prolixibacteraceae(0.0073),g:Prolixibacter(0.0039);
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nococcaceae(0.9387),g:Gemmiger(0.2607);
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libacteraceae(0.0149),g:Gracilibacter(0.0066);
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13),f:Veillonellaceae(0.0099),g:Selenomonas(0.0046);
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5023),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0423);
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ridiaceae_1(0.0710),g:Caloramator(0.0157);
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(0.0000),f:Corynebacteriaceae(0.0000),g:Corynebacterium(0.0000);
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2679),f:"Prevotellaceae"(0.0560),g:Paraprevotella(0.0087);
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nococcaceae(0.0904),g:Papillibacter(0.0134);
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(0.9934),f:Brevibacteriaceae(0.9294),g:Brevibacterium(0.9686);
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ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGATGACTGC
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ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGTCTGAACCAGCCATGCCGCGTGAAGGAATAAGGC
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st(0.0000),g:Chlorophyta(0.0000);
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8303),f:"Prevotellaceae"(0.4563),g:Prevotella(0.1299);
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>OTU13650;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Rumi
nococcaceae(0.0355),g:Saccharofermentans(0.0066);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGTCGCGTGAAGGATGACGGC
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>OTU13652;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Lachnospiraceae(0.2524),g:Ruminococcus2(0.0615);
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AAGGAAGGAAGAAGGGGGGAAGAGGGGAAAAGGGGAGAAAGACTAGTCCAGCAATACCGCGTGAAAGATGAAGGCCTTCGGGTTGTAAAGTTCTTTTAATAGGGAAGATAATGACGGTACCTATAGAATAAGCACCGGCAAACGTCGTGCCAGCAGACGCGGTAATACGAAGGGTGCTAGCGTTGTGCTGAATTATTGGGCGTTAAGGGTGTGTAGGCGGTTTCGTAAGTTAATTGTGAAATCCCTGGGCTCAACCTCGGAATTGCGGTTAAAACTACGGAACTAGAGTAAGATACGCGATGGCAGAATTTCTAGTGTAGGGGTATAATTCGCAGATATTAGAAAGTATACCGGTGGTGTATACGGCTATCTTGGTCCTTACTGACGCTCAGTCACGAAAGTGTGGGGAGCAAACAGGATTACATACCCTTGTA
>OTU13654;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Lachnospiraceae(0.6350),g:Clostridium_XlVa(0.4787);
ACGGGAGGCAGCAGTGGGGAATATTTCACAATTTTGTAAACTCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTATCTCGGTATGTAAACTTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCACCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGGTGCAAGCGTTATCCGGATTTACTGGGTGTAGAGGGAGCGTAGACGGTTGTGTAAGTCTGATGTGAAAGCCCGGGGCTCAACCCCGGGACTGCATTGGAAACTATGTAACTAGAGTGTCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATCACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13656;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Bacilli(0.9805),o:Lactobacillales(0.8303),f:Lactobacillaceae(0.4914),g:Lactobacillus(0.0904);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGCCGCAAGCCTGAAGGAGCAACACCGCGTGAGTGAAGAAGGGTCTCGGCTCGTTAAGCTCCGTTGTTGGAGAAGAACGTTCGACAGAGTAACTGTTCATGCAGTGATGGTATCAAACCAGAAAGTCACGGCCAACTACGTGCCAGCAGCTGCTGTAATACGTAGGTGGCTAGTGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGCTGCTTAGGTCTGATGGGAAAGCCGTCGGCTTAACCGAAGAAGTGCGTCGGAAACCGCGCGACTTGAGTGCAGAAGAGGACAGTGGAACTCGATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCGGTGGCGAAGGCAGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU13655;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Rumi
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ridiaceae_1(0.1485),g:Clostridium_sensu_stricto(0.0326);
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>OTU13661;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Peptostreptococcaceae(0.2184),g:Clostridium_XI(0.0615);

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>OTU13663;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Clostridiaceae_1(0.1679),g:Clostridium_sensu_stricto(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGCAGCCGGAGAGACAAGTCAGATGTGAAATCCGCGGGCTTAACCCGCGAACTGCATTTGAAACTGTTTCCCTTGAGTATCGGAGAGGTAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTCTAACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13666;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9762),o:"Bacteroidales"(0.9497),f:"Prevotellaceae"(0.8505),g:Prevotella(0.4351);

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>OTU13664;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Eubacteriaceae(0.7068),g:Eubacterium(0.5720);

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>OTU13665;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8189),o:Clostridiales(0.5395),f:Peptostreptococcaceae(0.1679),g:Clostridium_XI(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGCAATACGTCGGGGGCTAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGCGTAGGCGGCTTTGCAAGTCAGATGTGAAATCTATGGGCTCAACCCATAAACTGCATTTGAGACTGGAGGGCTTGAGTGAAGTAGAGGCAGGCGGAATTCCCCGTGTAGCGGTGAAATGCGTAGAGATGGGGAAGAACACCAGTGGCGAAGGCGACTTACTGGGCCGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU13667;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachnospiraceae(0.4224),g:Roseburia(0.1299);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGAAGAAGGTCTTCGGATCGTAAAGCTCTGTCCTTGGGGAAGATAATGACGGTACCCTTGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGAAGGCTAAGTCTGATGTGAAAGCCCGGGGCTCAACCCCGGTACTGCATTGGAAACTGGTCATCTAGAGTGTCGGAGGGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGATAACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATAGATACCCTGGTA

>OTU13669;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Clostridiaceae_1(0.3884),g:Clostridium_sensu_stricto(0.1735);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGTCTTCGGATCGTAAAGCCCTGTCTTTGGGGAAGATAATGACGGTACCCAAGGAGGAAGCCACGGCTACCTACGTGCCAGCAGCCGCGGTACTACGTAGGTGGCGAGCGTTATACGGATTTACTGGGCGTAAAGGGAGCGTAGGGGGATGATTAAGTGGGATGTGAAATACCCGGGCTTAACGTGGATGCTGCATTGCGAACTGGTTATCTAGAGTGCAGGAGCGGTGGGGGGAATTTCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAATTGCGAAGGCGACTCACTAGACGGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13671;tax=d:Bacteria(0.9073),p:"Bacteroidetes"(0.4311),c:"Bacteroidia"(0.0425),o:"Bacteroidales"(0.0291),f:"Rikenellaceae"(0.0073),g:Rikenella(0.0039);
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>OTU13668;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Peptococcaceae_1(0.4224),g:Peptococcus(0.2171);
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>OTU13670;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Lachnospiraceae(0.3544),g:Ruminococcus2(0.1299);
ACGGGAGGCAGCAGTGAGGAATATTGCACAATGGGCGGAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATCTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCAAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAGAGGTAAGTCTGATGTGAAAACCCGGGGCTCAACCTCGGCAGTGCCGTTGATACTGCTTGTCTTGAATGCCGGAGGGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCGTCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13673;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.8267),c:Spirochaetia(0.5963),o:Spirochaetales(0.3319),f:Spirochaetaceae(0.1679),g:Treponema(0.0204);

ACGGAAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGGATGATGAAGGCCGGAAGGTGGTAAAATCCTTTTATGACTGAGGAATAAGCGAAGTGAGGGAAACGCTTCGTGGTGACTGTAGGTCATGAATAAGCAACGGCTAATTACGGGCCAGCAGCCGCGGTAACACGTAAGTTGCGAGCGTTGTTCGGCATTATTGGGCGTAAAGGGTATGTAGGCGGTTCTACAAGTCTGCGCTGACATGCCGGGGCTCAACCCCGGTACTGCGTTGGAGACTGCAGGACTTGAATCGCTGAGGGGCAGCCAGAATTCCAGTTGCATGGGTGAAATCTTTAGAAATCTTGAAGAATACCAATGGCGAAGGCAGGCTGCCAGCAGATGATTGACGCTGAGGTACGAAGGTGCGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13672;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Defluviitaleaceae(0.2524),g:Defluviitalea(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCGATGCCGCGTGAAGGACGAAGATTTTCGGATCGTAAACTTCTATCAGCAAGGAAAAAAGAGGATAGTACTTGACTAAGCAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGAAGGCAAGTTGGATGTGAAAACTGTGGGCTCAACCGACAGACTGCATTCAAAACTGTTTTTCTTGAGTGAAGTAGAGGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU13677;tax=d:Bacteria(0.0024),p:"Bacteroidetes"(0.0000),c:"Bacteroidia"(0.0000),o:"Bacteroidales"(0.0000),f:"Prevotellaceae"(0.0000),g:Prevotella(0.0000);

TAATTATACTCATCGCGAATATCCTTAAGAGGGCGTTCAGCAGCCAGCTTGCGGCAAAACTGCGTAACCGTCTTCTCGTTCTCTAAAAACCATTTTTCGTCCCCTTCGGGGCGGTGGTCTATAGTGTTATTAATATCAAGTTGGGGGAGCACATTGTAGCATTGTGCCAATTCATCCATTAGCTTCTCAGTAACAGATACAAACTCATCACGAACGTCAGAAGCAGCCTTATGGCCGTCAACATACATATCCCCATTATCGAACTCATCGCCCGGCATACGAAGAGACAGACTCACTGCCAAGAGAATGATGCGGGTATCGATCTGCTTATAGAAGCCAAGTATGGGGGATTGAGAAAGAGTAGAAAGGCCACAAGCCGCAATAGCATGTTTAAGAGCCTCGATACGCTCAAAGGCAAAATAATAAGCGTGAC

>OTU13676;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8448),c:"Bacteroidia"(0.1740),o:"Bacteroidales"(0.0781),f:"Porphyromonadaceae"(0.0252),g:Odoribacter(0.0076);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGCGGTCCTATGGATTGTAAACTGCTTTTTTAGGGGAATAATAAGACTTTTGCGAAGGTTGATGCAGGTACCCGAAGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATTCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTTAGATAAGTTAGTGGTTAAATGCTTCTGCTAAACTGGATTTTGCTATTAAAACTGTCTGACTAGGATGGAAACGGCGTAGGCGGAATAAATCATGTAGCGGTGACATGCATAGATATGATTCAGAACACCGATCGCGAAGGCAGCTTGCGAGGATACGATTGACGCTGAAGCACGAGAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU13675;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Rumi
nococcaceae(0.4224),g:Ruminococcus(0.1735);
ACGGAAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCCGGCGCAGCAACGCCGCGTGAACGATGAAGGT
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acillaceae(0.8864),g:Lactobacillus(0.5239);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGACGGG
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>OTU13674;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Lach
nospiraceae(0.2184),g:Ruminococcus2(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGATAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
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>OTU13678;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Erysipelotrichia(0.2321),o:Erysipelotrichales(0.1
015),f:Erysipelotrichaceae(0.0355),g:Turicibacter(0.0087);
ACGGAAGGCAGCAGTGGGGAATCTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGAGGGATGAAGGT
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ATTAAGTCTGATGTGAAATACCCGGGTTTAAGCGGGGTCGGGCATTGGAAACTGATTGACTTGAGTGCAGAAGAGG
GAAGTGGAATTCCCTGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGACTTACTGG
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>OTU13681;tax=d:Bacteria(0.0024),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Clostridiales(0.0000),f:Clostridiales_Incertae_Sedis_XI(0.0000),g:Peptoniphilus(0.0000);
GCTTAATCGAGGCCAAAGCGGTCTGGCAACGTCCGGCTTGTTCTGTACCTTGACTCCTGCTTTCTTACCTATTAGTGGTTGAACCGCATCGGCCTCAGATAGTAATCCACGCTCTTTTAAAATGTCAACAAGAGAATCTCTACCATGAACAAAATGTGACTCATATCTAAACCAGTCCTTGACGAACGTGCCAAGCATATTAAGCCACTTCTCCTCATCCAACGCGTCAGTTTTTGACAGAATCGTTAGTTGATGGCGAAAGGTCGCAAAGTAAGAGCTTCTCGAGCTGCGCAAGGATAGGTCGAATTTTCTCATTTTCCGCCAGCAGTCCACTTCGATTTAATTCGTAAACAAGCAGTAGTAATTCCTGCGTTAGCAAGAGAATTGGTCGACTCATCAGAAATATCCGAAAGTGTTAACGTCTGCGTCAGGGAAGCGAGAAAACTCTGCAGGTTGGA
>OTU13679;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Ruminococcaceae(0.1485),g:Intestinimonas(0.0134);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCCTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGGACGTGACGGTACCTGGAGAAAAAGCAACGGCTAACTACGTGCCAACAGCCGCGGTAATACGTAGGTTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGATGCAAGTTGGGAGTGAAATCCATGGGCTTAACCCATGAAATGCTCTCAAAAATGTATCCCTTGAGGATCGGAGAGGCAGGCGGAATTCCTAGTGGAGCGGGGAGATGCGTAGATATTAGGAGGAAAACCAGGGGAGAAGGCGGCTTGCTGGAAGACAAATGAAGCTGAGGCGCGAAAGCGGGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13682;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Clostridiaceae_2(0.0099),g:Alkaliphilus(0.0046);
ACGGGAGGCAGCAGTCGGGAATATTGCGCAATGGAGGAAACTCTGACGCAGTGACGCCGCGTATAGGAAGAAGGTTTTCGGATTGTAAACTGTTGTCGGTAGGGAAGATAAAAGACAGTACTTAAGGAGGAAGCCCCGGCTAACAACTGGCCACAACCCGCGGTAATACGAAGGGAGAAAGCGTTATCCGGATTTATTGGGGGTAAAGGGTGCGTAGACGGGAAAGCAAGTTAGTTGTGAAATCCCTCGGCTTAACTGAGGAACTGCAACTAAAACTGTTTTTCTTGAGTGTTGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGACTTTCTGGACGATAACTGACGTTGAGGCACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13683;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lachnospiraceae(0.3884),g:Clostridium_XlVa(0.0904);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGGAACCCTGATGCAGCAACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGATAATGACGGTACCTGACTAAGAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGAAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGCAGGGCAAGTCAGATGTGAAAGCCCGCGGCTCAACCGCGGGACTGCATTTGAAACTGTCCGGCTGGAGTGCAGGAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGACTGTAACTGACGCTGAGGCCCAAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13684;tax=d:Bacteria(0.8696),p:"Bacteroidetes"(0.4311),c:Sphingobacteriia(0.0425),o:"Sphingobacteriales"(0.0291),f:Sphingobacteriaceae(0.0073),g:Mucilaginibacter(0.0039);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGACCGAACCAGCCATGCCGCGTGCAGGAAGGAGGTCTTATGGATTGAAAACTGCTTTTTTCGGGGAATAATAATACTTTTGCGAAGGTTGATGCAGGTATCCGGAGAAGACGGATCGGCTAATTACGTGCCAGCAGCCGCGGTAATACGGAGGAATCGAGCGTTATCCGGATTTATTGGGGTTAAAGGGTTGGTAGGCGGTTAGATAAGTATGAGGTAAAATGCTACTGTTCAACAGGAGTTTGCTTTTAAAACTGCCAAACTAGGATTTAAACGGCGCAAGCGGAATGACTAATGTAGCGGTGACATTCGTAAATATGATTCAGAACACCAATCGCGAAGGCAGCTAGCGAGGTTACGATTGACGCTGAAGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU13685;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Bacilli(0.8614),o:Lactobacillales(0.4652),f:Lactobacillaceae(0.2864),g:Lactobacillus(0.0808);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGTACTGTTGTTGGTGAAGAAGGCGAGAGGTAGTAACTCGTCTTTATTTGACGGTACTCACTGAGAAAGCAACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTATTGGGCGTAAAGCGCGCGCAGGCGGACTGACAAGTCTGATGTGGAATCCCTCGGCTGAACCAAGGAACTGCATCGGAAACTGGTAGTCTAGAGTCTAGAAGAGGGGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGAGATATGGAAGAGCACCAGTGGCGAAGGCGGCTCTCTGGTCTACGACTGACGCTGAGGCGCGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU13687;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9791),o:Clostridiales(0.9730),f:Eubacteriaceae(0.9201),g:Eubacterium(0.9566);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCAACGCCGCGTGGAGGGTGACGGTTTTCGGATTGTAAACTCCTGTTCTTAGTGAAGAAAAATGACGGTAGCTAAGGAGCAAGCCACGGCTAATTACGTGCCACCACCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGGGAGCAAGTCAGCTGTGAAATCTATGGGCTTAACCGATTAACTTCAGTTGAAACTGTTAGTCTTGAGTGAAGTAGAGGGAGGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATCCGGAGGAACACGGGTGGCGAAGGCGGCTGACTGGGCTTTTACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13688;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Ruminococcaceae(0.4914),g:Oscillibacter(0.1299);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGACGAAAGTCTGACCCAGCAAAGCAGCGTGAAGGAAGAAGGCTTTCGGGTTGTTAAATTCTTTTAAGGGGGAACAGAAGAAGAGGGTACCCCTTGAATAAGACACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGCAGCCGGAGAGACAAGTCAGATGTGAAATCCGCGCGCTTAACCCCCGAACTGCATTTGAAACTGTTTCCCTTGAGTATCGAAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCTTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGATTACTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU13686;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Peptostreptococcaceae(0.1872),g:Clostridium_XI(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGACGGGAAAGAAAGTTAGTTGTGAAATCCCTCGGCTTAACTGAGGAACTGCAACTAAAACTGTTTTTCTTGAGTGTTGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTATCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU13689;tax=d:Bacteria(1.0000),p:Firmicutes(0.3448),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Clostridiaceae_2(0.0113),g:Alkaliphilus(0.0056);
ACGGAAGGCAGCAGTCGGGAATATTGCGCAATGGGGGAAACTCTGACGCAGCGATGCCGCGTATAGGAAGAAGGTTCTCGGATTGTAAACTATTGTTGTTAGGGAAGATATAAGACATTACCTAAGGAGGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATAGGTAGGGAGCAAGCGTAATCCGGATTTATTGGGTGTAAAGGGTGCGTAGACGGGAAAGCAAGTTAGTGGTGAAATCCCTCGGCTTAACTGAGGGACTGCAACTAAAACTGTTTTTCTTGAGTGTTGGAGAGGAAGGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGATGGCGAAGGCGACTTTCTGGACAATAACTGACGTTGAGGCACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13690;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Ruminococcaceae(0.8864),g:Gemmiger(0.1735);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGAGGAAGAAGGTTTTCGGATTGTAAACTCCTGTCGTTAGGGATGATAATGACGGTACCTAACAAGAAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAAAACGTAGGGTGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGACCGGCAAGTTGGAAGTGAGATCTATGGGCTTGACCCATAGATTGCTTTCAGAACTGTCGGCCTGGAGTAGTGCAGAGGCAGGTGGAATTCCTGGTGTAGCGGTGGAATGCGTAGATATCAGGAGGAACACCAGTGGCGAAGGCGACTTGCTGGGCACTAACTGACGTTGAGGCTCGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU13691;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Ruminococcaceae(0.0252),g:Intestinimonas(0.0076);
ACGAGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGGTCTCGGCTCTTAAACCTCTTTCCTAAGGGACGAAGGAAGTGACGGGACTATAGGAGTAAGCGCCGGCTAACTACGTGCCAGCAGCCGCTCTGATACGGAGGGGGCGATCGTTGTCCGGAATGATTGGGCGTAAAGGGAGCGTAGGCGGCCCGTTAAGTCTGGAGTGAAAGTCCTGGTTTCAAGGTGAGAATTGCATTGGATACTGATGAGCTGGAGTGCAGGAGAGGCAGGCGGAATTAGCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGCTTTCTAAGCTGAAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13692;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9908),o:Lactobacillales(0.9936),f:Lactobacillaceae(0.9294),g:Lactobacillus(0.6681);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGCTCGGAAAGCTCTGTTGGTGGAGAAGAACGTGCGGGGGAGGAACTGGTCACGCAGGGACGGTATCCAACCAGAAAGTCACGGCTAAATACGTGCCAGCAGCCGCGGGAATACGGAGGTGGCAAGCGGTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTGCTTAGGTCTGATGTGAAAGCCTTCGGCTTAACCGAAGAAGTGCATCGGAAACCGGGCAACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU13696;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8448),c:"Bacteroidia"(0.2321),o:"Bacteroidales"(0.1015),f:"Rikenellaceae"(0.0355),g:Rikenella(0.0087);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGTCCTATGGCTTGTAAACTTCTTTTTTCGGGGAATAATAAGACTTTTGCGAAGGTTGTTGCAGGTACCCGACGAATACGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATTCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTTAGATAAGTTAGAGGTGAAAGGATGCTGATCAACAGGAGTATGCCGTGAAAACGGGCGGACTAGGATGGAAACGGCGCAGGCGGAATGAATCATGTAGCGGTGAAATGCATAGATATGATTCAGAACACCGATAGCGAAGGCAGCTTGCGAGGATACGATTGACGCTGAAGCACGAAAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU13694;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Ruminococcaceae(0.1485),g:Pseudoflavonifractor(0.0181);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAATGCCGCGTGAGTGAAGAAGGTCTTCGGATTGTAAAGCTCTTTGATTAGGGACGAAAAAATGACTGTACCTAAAGAACAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATTATTGGGCGTAAAGGGTGCGTAGGCGGGACTGCAAGTCAGATGTGAAAACTATGGGATAAACCTATAGCCTGCATTTGAAACTGTAGTTCTTGAGTGTCGGAGAGGCAATCGGAATTCCGTGTGTAGCGGTGAAATGCGTAGATATACGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGAAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13695;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9776),o:Clostridiales(0.9685),f:Clostridiaceae_1(0.7787),g:Clostridium_sensu_stricto(0.5239);

ACGGGAGGCAGCAGTGGGGAATATTTCACAATTTTGTCAACCCTGCTGCAGCCACGCCGCGTGAGTGATGAAGGTTTTCGGATCGTAAAGCTCTGTCTTTGGGGAAGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAAGTGGGATGTGAAATACCCGGGCTGAACGTGGGTGCTGCATTCCAAACTGGTTATCTAGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13693;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Clostridiaceae_1(0.4563),g:Clostridium_sensu_stricto(0.2171);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGGCTTCAGGGACGATAATGACGGTACCTGAGGTGGAAGCCAAGGCTAACTATGTGCCAGCAGCCGCGGGAATACGTAGGTGGCAAGCGTCGTCCGGATTTACTGGGAGCAAAGGGAGCGTAGGCGGATTTTTAAGTGAGATGTGAAATACCCGGGCTTAACTTAGGTGCTGCATTTCAAACTGGGAATCTAGAGTGCAGGAGAGGATAAGGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGCTTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13697;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6036),c:"Bacteroidia"(0.0726),o:"Bacteroidales"(0.0473),f:Prolixibacteraceae(0.0113),g:Prolixibacter(0.0056);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCAGCGTGCGGGAAGGAGGCCCTATGGGCTGTGAACCGCTTTTGTCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGGGTACCAGTCGAATAAGCATCGGCTAACCCCGTGCCGGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGGTGTGCGTTAAGTCGGTGGTGAAATTCCGGGGCTCAACCCTGGGGCTGCACTTGATACTGTCGGGCTGGAGTGCGGATGAGGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACTCAGAACACCGATTGCGAAGGCATCTGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA
>OTU13699;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Ruminococcaceae(0.0457),g:Saccharofermentans(0.0087);
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>OTU13698;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7497),o:Clostridiales(0.4280),f:Ruminococcaceae(0.1485),g:Intestinimonas(0.0204);
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9497),f:"Prevotellaceae"(0.5991),g:Prevotella(0.4351);
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0291),f:"Porphyromonadaceae"(0.0073),g:Parabacteroides(0.0039);
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5023),f:"Porphyromonadaceae"(0.2524),g:Parabacteroides(0.0326);
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3639),f:"Porphyromonadaceae"(0.1679),g:Odoribacter(0.0423);
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47),f:Veillonellaceae(0.0149),g:Selenomonas(0.0066);
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4280),f:"Prevotellaceae"(0.1291),g:Prevotella(0.0204);
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nococcaceae(0.3204),g:Ruminococcus(0.0615);
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nospiraceae(0.1679),g:Clostridium_XlVa(0.0230);
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"(0.0781),f:Flavobacteriaceae(0.0252),g:Cruoricaptor(0.0056);
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19),f:Spirochaetaceae(0.1679),g:Treponema(0.0181);
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nospiraceae(0.2864),g:Clostridium_XlVa(0.0712);
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1483),f:"Porphyromonadaceae"(0.0560),g:Barnesiella(0.0110);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGT
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ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGACTGAAGAAGTA
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nospiraceae(0.2864),g:Clostridium_XlVa(0.0615);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGACTGAAGAAGAA
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nospiraceae(0.1485),g:Dorea(0.0204);
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ridiaceae_1(0.2524),g:Clostridium_sensu_stricto(0.0326);
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ACGGGAGGCAGCAGGAAGGGATATTGGTCAATGGGCGGGAGCCTGAACCAGCCATGCCGCGTGAGGGAATGAGGC
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nospiraceae(0.5991),g:Dorea(0.3915);
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nococcaceae(0.0113),g:Intestinimonas(0.0056);
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>OTU13763;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Pept
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libacteraceae(0.0457),g:Gracilibacter(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGGAGGAAGAAGGT
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acillaceae(0.2184),g:Lactobacillus(0.0615);
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nococcaceae(0.2184),g:Subdoligranulum(0.0181);
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nococcaceae(0.2864),g:Ruminococcus(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGATGCAGCGACGCCGCGTGAGGGATGACGGC
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ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGAAGAAGGTCTTCGGATTGTAAAGCTCTTTGATCAGGGACGAAAACAATGACGGTACCTGAAGAACAAGCCCCGGCTAACTAAGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGACTGGGTGTAAAGGTTGTGTAGGCGGGCACGCAAGTTGGATGTGTAATACCCAGATCTTAATTCGGGTGCTGCATCTGAAACTACGAGTCTTGATTGTCGGAGAGTTAAGTGGATTTCCTTGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACATCAGTGGCGAAGGCGACTTACTTGACGATAACTGTCGTTGAGGCACGAAAGCGTGGGGAGCAAACAGTATTAGATACCCTGGTA

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>OTU13771;tax=d:Bacteria(0.0041),p:"Deinococcus-Thermus"(0.0000),c:Deinococci(0.0000),o:Deinococcales(0.0000),f:Deinococcaceae(0.0000),g:Deinococcus(0.0000);

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>OTU13772;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Lachnospiraceae(0.5273),g:Coprococcus(0.2607);
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>OTU13773;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Lachnospiraceae(0.1872),g:Dorea(0.0519);
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ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGATGTTTAAGTCGGTTGTGAAATTTTGCGGCTCAACCGTAAACTTGCCGTTGATACTGGTTATCTTTAGTGCAGTTGAGGCAGGCGGAATTTGTGGTGTAGCGGTTAAATTCTTAGATTTCACGAAGAACTCCGATTGCGAAGGCCGCCTTCTAAGCTGCAACTGACATTTAGGCTCGAAAGTGTGGGTATCAAACCGGATTAGGTACCCTGGTA

>OTU13775;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Lachnospiraceae(0.5991),g:Dorea(0.3479);
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ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGCCGAAAGGCTGAACCAGCCATGCCGCGTGAAGGTCAGTGCCCTATGGGCGTTAAACTTCTTTTGTCAGGGAGCAATAAGGGTTTCGTGAAATCCGATGAGAGTACCTGACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTCTGTTAAGTCAGCGGTGAAAGGCCCGGGCTCAACCCGGAAAGTGCCGTTGATACTGTGAGGCTGGAATGCGGATGCTGTGGGAGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTAAGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU13778;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Lachnospiraceae(0.0710),g:Clostridium_XlVa(0.0110);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGAAGGACGACTGCCCTATGGGTTGTAAACTTCTTTTATGCGGGGATAAAGTTCGCCACGTGTGGCGTTTTGCAGGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGATTTACTGGGTGTAAAAGGGAGCGTAGACGGTTCTGCAAGTCTGAAGTGAAAGCCCGTGGCTTAACCGCGGAACGGCTTTGGAAACTGTGGAACTGGAGTGCTGGAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACAGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13780;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:"Bacteroidia"(0.1159),o:"Bacteroidales"(0.0547),f:"Porphyromonadaceae"(0.0149),g:Porphyromonas(0.0066);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGAAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGCCCTATGGGTCGTAAACTTCTTTAGACGCAAAGCAATAAGAGCCTCGTGAGATCTGATGAGTGTATGCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGATGTGCAAGTCTGTGGTGAAATGCCCGCGCTCAACGTGGGAGTTGCCGTGCGTACTGTACATCTGGAATGCACTGGACGGGGGAGGAATGAGTAGTGTAGCGGTGAAATGCATAGATATTACGCAGAACACCGATTGCGAAGGCAGCTCACGGAGGGGCTATTGACGCTGAGGCACGAAAGCGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU13782;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Ruminococcaceae(0.3544),g:Ruminococcus(0.0904);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGTCTTCGGATTGTAAAGTTCTATGATTAAGGACGAAGAAGTGACTGTACTTAATAAATAAGCTCCGGCTAACTACGTGCCAACAGCCGCTATAATACGTAGGGATCAAGCTTTGTCCGGATTTACGGGGTGTAAAGGGTGCGTAGGCGGCAGAGCAAGTCAGATGTGAAAGCCGTGGGCTTAACCCAGGAACTGCATTTGAAACTGTTTTGCTTGAGTGAAGTAGAGGCAGGCGGAATTCCCTGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGACGAAGGCGGCCTGCTGGGCTATAACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU13783;tax=d:Bacteria(1.0000),p:"Synergistetes"(0.4311),c:Synergistia(0.2321),o:Synergistales(0.1015),f:Synergistaceae(0.0355),g:Dethiosulfovibrio(0.0087);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCCTATAGGACGAAGGAAGTGCCGGTACTATTGGATGAAGCCCCGGCTACCTACTTGCCAGCAGCCGCGTTAATCCTTAGGGGGCGAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCGCGTTAAGTCTGGAGTGAAAGTCCTGCTTTTAAGGGGGGAATTGCGTTGGATACTGATTTGCTGGAGTGAAGTAGAGACGAGCGGAATTACCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTGAAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13784;tax=d:Bacteria(1.0000),p:Firmicutes(0.2586),c:Clostridia(0.1159),o:Clostridiales(0.0547),f:Clostridiaceae_1(0.0113),g:Oxobacter(0.0056);

ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCCGACGGAGCGACGCCGCGTGGATGAAGAAGGCCGGACGGTTGTAAAGTTCTTTTAAGCATGAAGAAGGATTATTGCAGGAAATGGCAGTAAAGTGACGGTAGTGCTTGAATAAGAGGCGGCTAATTACGTGCCAGCAGCCGCGGTAACACGTAAGCCTCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGTGAGTAGGCGGCATGGCAAGTAAGATGTGAAAGCCCGGGGCTTAACTCCGGGATTGCATTTTAAACTGCTGAGCTAGAGTACAGGAGAGGAAAGCGGAGTTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTAGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13785;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Lachnospiraceae(0.2184),g:Clostridium_XlVa(0.0615);

ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGATGCCGCGTGAGTGAAGAAGTATTTTGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCCGCCGAAGAAGCCCTGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATTCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGATGTAAGTTAGGAGTGAAATCCCAAGGCTCAACCCTGGAATTGCTTTGGAAACTGTATAGCTAGAGATCTGGAGAGGTAAGTGGAATTCCTAGTGTAGAGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTAGCTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13787;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9507),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.3959),f:"Porphyromonadaceae"(0.1098),g:Parabacteroides(0.0204);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGACGAAGGCCCTACGGGTTGTAAACCTCTTTTATAAGGGAATAAAGGGCGCCATGCGTGGCGCATTGCATGTACCTTATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGTGGCTTGTTAAGTCAGCGGTGAAAGTCAGGGGCTCAACCACGGAGTTGCAGTTGAAACTGGAGAGCTTGAGTACGTACGGGGCAGGCGGAATGCCTGGTGTAGCGGTGAAATGCATAGATATCAAGAAGAACCCCGGTCGCGAAGGCAGCCTGCTGGGCAGTGACTGACGCTGATGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU13786;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Ruminococcaceae(0.0710),g:Saccharofermentans(0.0157);

ACGGGAGGCAGCAGTGAGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGAAGAAGGTCTTCGGGTTTTAAAGCTGTTTGATCAGGGACAAACACAATGCCGGTACCTGAAGAACAAGCCCCGGCTAACTACGTGCCAGCAGCCGCTGTAATACGGAGGTTGCAGGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGATGCAAGTTGGGAGTGAAATCCCGGGGCTCAACCCCGGAACTGCTTTCCAAACTGTATCCCTTGAGTATACGAGAGGCAAGCGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13788;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Lachnospiraceae(0.1679),g:Clostridium_XlVa(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACACTGATGCAGCGACGCCGCGTGACTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAAGGAAGAAAATGACGGTACTTGACTAAGAAGCCCCGGCTAACTACATGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGTGGTAAGGCAAGCCAGAAGTGAAAGCCCGGGGCTCAACCCCGAGGACTGCTTTTGGAACTGTCGAACTAGAGTGCAGGAGGGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCTTAGTTATTAGTAGGACCACCACTGACGACGACGGCTTGCTGCACTGTAACTGACTCTGAGTCTCGAAAACGTGGGAGGCAGACAGGATTAGATACCCTGGTA
>OTU13790;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Lachnospiraceae(0.3544),g:Parasporobacterium(0.0712);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGACTGAAGAAGTATTTCGGTATGTAAAGGTCTATCAGCAAGGAAGAAAATGACGGTACTTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGTGGTAAGGCAAGCCAGAAGTGAAAGCCCGGGGCTCAACCCCGAGGACTGCTTTTGGAACTGGCGAACTAAGGAGCAGGGAGGGCGGGCGAAATTCCAAGCGAAGCGGTGAAATGCGTAGATATTAGGAGAAACACCAGTGGCGAAGGCGCCTTGCTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13789;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:Sphingobacteriia(0.1740),o:"Sphingobacteriales"(0.0781),f:Sphingobacteriaceae(0.0252),g:Parapedobacter(0.0076);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCATGCCGCGTGAGGGAATAAGGCCCTAGGGGTCGTAAACTTCTTTTGACGGGGAGCAATAAGGTCTACGTGTAGGCCGATGCCAGTCCTCGTCGGTTCAGCCTCCGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGGGCGTTATCCGGAATTATTGGGTTTAAAGGGTGCGTAGGCTGTTTGTTAAGTCAGGAGTGAAATACCACAGCTCAACTGTGGAATTGCCTTTGATACTAGCAGGCTTGAATACTGTTGACGTGGGAGGAATGAGTAGTGTAGCGGTGAAATGCATAGATATTACGCAGAACACCGATTGCGAAGGCATCTAACGAAGCAGGCATTGACGCTGAGGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA
>OTU13791;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Peptostreptococcaceae(0.2524),g:Clostridium_XI(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCGGATGCAGCAAGGCCGCGTGAGCGATGAAGGCGTTCGGGGCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGAGGTGAAAGGCTACGGCTCAACCGTAGTAAGCCTTTGAAACTGGGAAACTTGAGTGCAGAAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGACCCCCCGTTGCGAAGGCACCTCTCTGCACTGTAACTGACACTGCCGCACGACGGCGTGCAGCGCCCCCAGGATTAGATACCCTGGTA

>OTU13792;tax=d:Bacteria(0.0041),p:"Fusobacteria"(0.0000),c:Fusobacteriia(0.0000),o:"Fusobacteriales"(0.0000),f:"Leptotrichiaceae"(0.0000),g:Leptotrichia(0.0000);

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>OTU13796;tax=d:Bacteria(0.0058),p:"Proteobacteria"(0.0000),c:Alphaproteobacteria(0.0000),f:SAR11(0.0000),g:Candidatus_Pelagibacter(0.0000);

CTTGGTCATTTAGAGGAAGTAAAAGTCGTAACAAGGTTTCCGTAGGTGAACCTGCGGAAGGATCATTAATGAAATTTAAGGACGCTCTTTTTAGAGGTCCCCCCAATTACATTTTACCTTTACTCTGTGCACACACTACTCTTTACACCATTTCTTAACTCTATGGTTCTAAGAATATAAAACAAGTCTCGAAAGAGCACCATAACAAAACAAAACTTTCGGCAACGGATCTCTTGGCTCTCGCATCGATGAAGAACGCAGC

>OTU13794;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Lachnospiraceae(0.1679),g:Parasporobacterium(0.0230);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGACTGAAGAAGTATTTCGGTATGTAAAGGTCTATCAGCAAGGAAGAAAATGACGGTACTTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGTGGTAAGGCAAGCCAGAAGTGAAAGCCCGGGGCTCAACCCCGAGGACGGCTTTGGGAACTGTCGAACTAGAGGGCAGGAGGGGCAAGGGGAATTCCTAGTGTAGCGGGGAATGGGTTAGTTATTAGGGGGAAACCAAGTGGCGAAGGGGCTTTCTGGAATGGTAACGGCACTGGAGGCCCGAAACGGGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13793;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Lachnospiraceae(0.5273),g:Dorea(0.2607);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGTAGCGTGAAGGATGAAGTATTTCGGTATGTTAACCTCCATCTGCAGGGAAGAAAATGACGGTACCTGTCCATGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGCAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTTTGCAAGCCAGATGTGAAAGCCCGGGGCTCAACCGTGGTACTGCATTTGGAACTGTAATTCTAGAGTGTCGGCGACGCAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCGAGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

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1483),f:"Prevotellaceae"(0.0252),g:Prevotella(0.0076);
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1015),f:Marinilabiliaceae(0.0355),g:Alkalitalea(0.0087);
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nospiraceae(0.3884),g:Parasporobacterium(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCCGATGCAGCGACGCCGCGTGACTGAAGAAGTA
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>OTU13802;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Ruminococcaceae(0.0904),g:Clostridium_III(0.0134);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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0),f:Cytophagaceae(0.0000),g:Sporocytophaga(0.0000);
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.8955),f:"Fusobacteriaceae"(0.7068),g:Fusobacterium(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTTGGCAATGGACCAAACGTCTGATCAAGCAATTCTGTGTGCACGATGACGGT
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acillaceae(0.9294),g:Lactobacillus(0.8124);
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GTA

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>OTU13863;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Bacilli(0.6346),o:Lactobacillales(0.3639),f:Streptococcaceae(0.1679),g:Streptococcus(0.0423);
ACGGAAGGCAGCAGTAGGGAATCTTCGGCAATGGGGGCAACCCTGACCGAGCAACGCCGCGTGAGTGAAGAAGGT
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AGAAAGGGACGGCTAACTACGTGCCAGCAGCCGCTGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTG
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ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
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GGCTTGAGTGTAGTAGAGGGGAGTAGAATTCCAGGGGGAGCGGTGAAATGAGGAGAGATAGGGAGGAAGACCAG
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nococcaceae(0.4563),g:Anaerotruncus(0.0712);
CCTTTCGGCCTCCTTTTGGTCTCTTTCCCCCTGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGGGAAGACGGTTTT
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7995),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0615);
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GACCGGCTAATTCCGTGCCAGCAGCAGCGGTAATACGGAAGGTCCAGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCCGGCGGTTAAGTGTGTTGTGAAATTTAGGCGCTCAACATCTGCACTGCAGCGCATACTGGTTTCCTTGA
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8412),f:"Prevotellaceae"(0.5632),g:Prevotella(0.0904);
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GCGCTGAAAGTGGGCGGAATTTGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCA
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6509),f:"Prevotellaceae"(0.3544),g:Prevotella(0.0519);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGC
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ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGATCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
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GTGAGTACGACGTAAGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGAGATCACGCAGAACACCGATTGCGAAGG
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>OTU13868;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9711),o:Clostridiales(0.8629),f:Pept
ostreptococcaceae(0.2864),g:Clostridium_XI(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAAACTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
CTTCGGGTCGGAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGATAACTACGTGAC
AGCAGCCGCGGTTATATGCAGGGGGCTAGCGCTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTA
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>OTU13869;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Pept
ostreptococcaceae(0.4224),g:Clostridium_XI(0.2171);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGACGGC
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GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTAGCGAAGGCGGCTTTCTGGGCCGGTA
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>OTU13872;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.
9280),f:Bacteroidaceae(0.6350),g:Bacteroides(0.4787);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
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CGTAGATGGATGTTTAAGTCTGTTGTGAAAGTTTGCTGCTCAACCGTAAACTTGCAGTTGATACTGGATATCTTGAGT
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0781),f:Prolixibacteraceae(0.0149),g:Prolixibacter(0.0066);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
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nococcaceae(0.1291),g:Clostridium_III(0.0181);
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nospiraceae(0.2524),g:Clostridium_XlVa(0.0519);
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nospiraceae(0.0710),g:Coprococcus(0.0157);
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nospiraceae(0.3544),g:Blautia(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGT
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3639),f:"Porphyromonadaceae"(0.0710),g:Parabacteroides(0.0157);
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13),f:Veillonellaceae(0.0099),g:Selenomonas(0.0046);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGG
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nospiraceae(0.1485),g:Dorea(0.0181);
ACGGGAGGCAGCAGTGAGGAATATTGCTCAATGGGCGAAAGCCTGAAGCAGCGAAGCAGCGTGAGCGAAGAAGTA
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9707),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGATGACGGC
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nococcaceae(0.4224),g:Oscillibacter(0.0615);
CCTTTATTCCTCATTTTTTACTATTTGGCAATGTGCGCAATCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTC
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nococcaceae(0.0149),g:Clostridium_III(0.0066);
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ococcaceae_1(0.2184),g:Peptococcus(0.0615);
ACGGAAGGCAGCAGTGGGGAATCTTCCGCAATGGGCGAAAGCCTGACGGAGCAATGCCGCGTGAGTGAAGAAGGC
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0413),f:"Porphyromonadaceae"(0.0086),g:Porphyromonas(0.0043);
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nospiraceae(0.2864),g:Clostridium_XlVa(0.0712);
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ridiaceae_1(0.3884),g:Clostridium_sensu_stricto(0.1735);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGT
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8303),f:"Porphyromonadaceae"(0.3544),g:Parabacteroides(0.0904);
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>OTU13888;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.
8520),f:"Prevotellaceae"(0.5273),g:Prevotella(0.3043);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTCCGAGCGTTATCCGGGTTTATTGGGTTTAAAGGGA
GCGTAGGCGGTCTGTTAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGCAAACTGGCAGTCTTGA

GTGCGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGG
CAGCCCGCTGTAGCGCAACTGACGCTGATGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU13889;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.6881),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0712);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGCAGCGTGCAGGACGACGGC
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AGCGCAGGCCGTCTGGCAAGCTGGATGTGAAATGCAGGGGCTCAACGTCTGCACTGCAGCGAGAACTGCTCAGCTA
GAGTGCGGGAGACGTTGGCGGAATTCGCCGTGTAGCGGTGAAATGCTTAGATATGGCGAAGAACTCCGATTGCGAA
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>OTU13887;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9719),o:"Bacteroidales"(0.8846),f:"Prevotellaceae"(0.5991),g:Prevotella(0.2171);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTCATTGGGTTTAAAGGG
AGCGCAGGCCGCCCCTTAAGTGTGTTGTGAAATGTCGGGGCTCAACCCGGGCATTGCAGCTGAAACTGGGAGTCCTG
AGTGCAGAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAG
GCAGCCTGCTGTAGCGTAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU13892;tax=d:Bacteria(0.0024),p:"Spirochaetes"(0.0000),c:Spirochaetia(0.0000),o:Spirochaetales(0.0000),f:Spirochaetaceae(0.0000),g:Treponema(0.0000);
TGGTCGATATTCCGCAACTGGGTACTCATTCCACCGCCGATACCGTCGGTTTAACCGCGCTTGGCGTGGTGGCAGCGG
CTGTTGGTGTGCACGCAGTCGCCAGCGCCGTTGACCAGCGCAGACGTCATAACCAGCAACCTACAGAAACCGAACAT
CAGCCAGGCAATGAGGATAAACAGGCATGAGCACTCAGTACGAAACTCAGGGATACACCATCAATAATGCCGGACG
CCGCCTGGTGGTCGACCCGATTACGCGCATCGAAGGCCACATGCGCTGCGAAGTGAATATTAACGATCAGAATGTGA
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>OTU13890;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9348),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.3959),f:"Prevotellaceae"(0.1485),g:Alloprevotella(0.0181);
ACGGGAGGCAGCAGGGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTACGGGTTGTAAACTGCTTTTAGGCGGGGGTAAAGGGGCGGACGTGTTCCGCCTTTGCAAGTACCGCCAGAAAAA
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GGAGCGTAGGCGGGCTATTAAGTCAGCTGTGAAATCCTGCGGCTCAACCGTCGGCCTGCATTTGATACTGGTGGCCT
TGAGTGCGCACAGGGGCTGTGGAAATCATGTTGTAGCGGTGAAATGCTCAGATATCAGGAAGAACTCCGATCTCGA
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>OTU13891;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Clostridiaceae_1(0.0904),g:Clostridium_sensu_stricto(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACTGTCTTCGGATTGTAAAGCTCTGTCTTTGGGGACGATAATGACGGTACCCAAGGCGGAATCCACGTCTAACTACGTTCCAGCAGCCGCGGTACTACGTCGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCCTCGGCTTAACCGTGGAACTGCATCGGAAACTGTTTTTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGAGATTGGGAGGAACACCAGTGGCGAAGGCGACTTACTGGACTGTAACTGACGCTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13893;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9769),o:Clostridiales(0.9606),f:Clostridiaceae_1(0.4224),g:Clostridium_sensu_stricto(0.2171);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGTCTTCGGATTGTAAAGCTCTGTCTTTGGGGACGATAATGACGGTACCCAAGCAGGAAGCCACGGCTACCAACGTGCCAGCAGCCGCGGCAATACTAAGGTGGTGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTCTTAAGTGGGATGTGAAATACCCGGGCTTAACCGGGGAGCGTCATTCCAAACTGGGCATCTAGAGTGCAGGAGGGGAGAGTGGAATTCCAAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTTTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU13895;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9704),c:"Bacteroidia"(0.4812),o:"Bacteroidales"(0.2359),f:"Prevotellaceae"(0.0904),g:Prevotella(0.0087);
ACGGGAGGCAGCAGTGAGGAATACTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTTTACAGGGATAAAGAGCGCCACGTGTGGCGTTTTGTAGGTACTGTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGGGCGTAGGCGGTTAATTAAGCTTGAGGTTAAATGCTTCTGCTCAACAGGAGATTGCCGTGAAAACTGTGGAGCTAGGATGGAGACGGCTCAGGCGGAATGAAGCAGTTAGCGGGGAAATGCATAGATATGATTCAGAACACCGATCGCGAAGGCAGCTTGCGAGGATACGATTGACGCTGAAGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU13894;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Lachnospiraceae(0.0710),g:Ruminococcus2(0.0134);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGATGACGGTCCTACGGATTGTAAACCTCTTTTGTCGGGGAGTAACGTGCGGGACGGGTCCCGTATTGAGAGTACCCGAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAATGGCAAGTCTGATGTGAAAGGCCGGGGCTCAACCCCGGGACTGCATTGGAAACTGTCAATCTAGAGTACCGGAGGGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGCTTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13896;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Ruminococcaceae(0.1098),g:Acetivibrio(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTAGGCAATGGGGGAAACCCTGACCTAGCGACGCCGCGTGAAGGATGAAGGTTTTCGGATTGTAAACTTCTTTGGCAGAGGACGATAATGACGGTACTCTGAGAACAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGTGTAGGCGGAGAGACAAGTCAGGTGTGAAAATCATGGGCTTAACCCATGACCTGCGCCTGAAACTGTATCCCTTGAGAGTCGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGCGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCAGCTCTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13899;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8472),o:"Bacteroidales"(0.6509),f:"Porphyromonadaceae"(0.2524),g:Parabacteroides(0.0519);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTCGCGTGAAGGATGAAGGTTCTATGGATTGTAAACTTCTTTTATGGGGGAATAAAGTGCGGGATGCGTCCCGTTTTGTATGTACCTCATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTAATTGGGTTTAAAGGGTGCGTAGGTGGCCATTTAAGTCAGAGAGTAAAGTTGTTGCATCAACCATAAAAGTGCCGTTGAAGCTGGAGAGCTGGAGAATGTTTGGGGCAGGCGGAATGTGTAGTGTAGCGGTGACATACATAGATATCACGAGGAACTCCGATCGCGAAGGCAGCTTGCCAAGCCATAACTGACACTGAAGCACGAAAGTGTGGGTATCAAACAGGATGAGATACCCTGGTA
>OTU13900;tax=d:Bacteria(0.9827),p:"Bacteroidetes"(0.6899),c:Sphingobacteriia(0.0525),o:"Sphingobacteriales"(0.0352),f:Sphingobacteriaceae(0.0086),g:Pedobacter(0.0043);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGTCCTATGGATTGTAAACTGCTTTATTCGGGGAATACTAAGACTTTTTCGCAGAATGATGCAGGTACCCGAAGAATAAGGATCGGCTAACTCCAAGCCAGCAGCCGCGGTAATAGTGCGGATTCGATCGTTATCCGGATTTATTGGGTTTACAGGGTGCGTAGGCGGTTAGATAAGTGTGAGGTTAAATGCTTCTGCTCAACAGGAGTGTGCCTTGAAAACTGTCTGACTAGGATGTAAGCGGCGCAGGCGGAATGAATCATGTAGCGGTGACATGCATAGATATTATTCAGAACACCGATCGCGAAGGCAGCTTGCGAGGATACGATTGACGCTGAAGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU13897;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Clostridiaceae_1(0.3544),g:Clostridium_sensu_stricto(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGTCTTCGGATTTTAAAGCTCTGTCTTTGGGGACGATAATGACGTTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGCCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGTTTGTTAAGTGGGATGTGAAATACCCGGGCTTAACCTGGATACTGCAGTTGAAACTGGGGAGCTAGAGTGCGGGAGGGGAGGGTGGAATTCGTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTCACTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13898;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Erysipelotrichia(0.6730),o:Erysipelotrichales(0.3959),f:Erysipelotrichaceae(0.2184),g:Turicibacter(0.0615);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTTGTAAGGCTCTGTCCTCAAGGAAGATAATGACGGTACCTGAGGAGAAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGAATTATTGGGCGTAAAGAGCGCGCAGGTGGCTGATTAAGTCTGATGTGAAAGCCCACGGCTTAACCGTGGGGGGGCATTAGAGACTGGTCGACTTGAGTGCGGAAGAGGGAAGTGGAATTCGATGTGTGGCGGTGACATGCGTAGAGGTATGGAGGAACACGAGTGGCGAAGGCGGCTTGCTGGTCTGTAACTGACACTGAGGCGCGAAAGCGTGGGGAGCAAAAAGGATTAGATACCCTGGTA

>OTU13901;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9784),o:Clostridiales(0.9707),f:Clostridiaceae_1(0.7428),g:Clostridium_sensu_stricto(0.5720);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGTCTTCGGTTTTTAAAGCTCTGTTTTTAGGGAGGATATTAACGGTACCTAAGGGGGAAGCAACGGCTAACTACGTGCAAGCAGCCGCGGAAATAGTTAGGTGGCACGCGTTGTCCGGATTTACTGGGCGGAAAGGGAGCGTAGGTGGATATTTAAGTGGGATGTGAAATACCCGGGCTTAACCTGGGTGCTGCATTACAAACTGGATATCTAGAGTGCAGGAGAGGAAAGGAGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAATACCAGTGGCGAAGGCGCCTTTCTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13904;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8897),o:"Bacteroidales"(0.7623),f:Bacteroidaceae(0.2864),g:Bacteroides(0.0808);

ACGGAAGGCAGCAGTGAGGAATATTCGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGTTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGCATACCCGTTTGCATGTACTTTATGAATCAGGATCGGCTAACTCCGTTCCATCAGCCGCGGTAATCCGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGATGTTTAAGTCAGTTGTGAAAGTTTGTGGCTTAACCAAAAAATTGCCGTTGAAACTGGAGGGCTTGAGTATGTTTGGGGCAGGCGGAAGGTGGGGTGTAGCGGTGAAATGCATAGATATATCGAAGAACACCGATCGCGAAGGCAGCTTGCCAAGCCATAACTGACACTGAAGCACGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU13903;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9784),o:Clostridiales(0.9707),f:Clostridiaceae_1(0.4224),g:Clostridium_sensu_stricto(0.2171);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGAAACCCCGATGCAGCAACGGCGCGTGAGTGATGACGGTCCTCGGATTGTAAAGTTCTGTTCTTGGGGACGATAATTACGGTACCCAAGGAGGAAGCCAAGGCCTACTACGTGCCAGCAGCCGCGGTAATACGTAAGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTCTTAAGTGGGATGTGAAATACCCGGGCTTAACCTGGGTGCTGCATTCCAAACTGGGAATCTAGAGTGCAGGAGGGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU13902;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9755),o:Clostridiales(0.9389),f:Clostridiaceae_1(0.4224),g:Clostridium_sensu_stricto(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGTCTTCTGATTTTTAAGCCCTTTCTTTGGGGACGATAATGACGGTACCCAAGGAGGAAGCCACGGCTACCTACGTGCCAGCAGCCGCGGTCATACGTAGGTGGTGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTGTTAAGTTGGATGTGAAATACCCGGGCTTAACCTGGGTGCTGCACTCCAAACTGGGGCTCTAGAGTGCAGGAGGGGAGGGAGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGAAAACAGGATTAGATACCCTGGTA
>OTU13905;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Lachnospiraceae(0.5273),g:Dorea(0.3479);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGCAGGATGAAGGATTTCGGGGTGTAAACTTCTATCAGCAGGGAAGAAAAGGACGGGACCTGACTAAGAAGGCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATGCGTAGGGGGCCAGGGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGCAAGTCTGAAGTGAAAGGCATGGGCTCAACCTGTGAACTGCTTTGCAAACTGTGCAGCTTGAGTGTCGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13907;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9987),c:Betaproteobacteria(0.9462),o:Burkholderiales(0.7995),f:Sutterellaceae(0.5991),g:Sutterella(0.4351);
ACGGGAGGCAGCAGTGGGGAATTTTGGACAATGGGGGCAACCCTGATCCAGCCATGCCGCGTGCAGGATGAAGGCCTTCGGGTTGTAAACTGCTTTTGTCAGGGACGATAAGGATCGTGATAATACCATGGTCTGCTGCCGGTACCTGACGAATAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAGGCGTGCGCAGGCGGTTCGGTAAGACAGAAGTGAAATCTCCGGGCTCAACCCGGGGATTGCATTTGAGACTGCAGGACTAGAGTTCATCAGAGGGGGGTGGAATTCCAAGTGTAGCAGTGAAATGCGTAGATATTTGGGAGAACACCAGTGGCGAAGGCAGCCCCCTGGGATGCGACTGACGCTCATGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13906;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.9606),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCACGTAGCGTGAAGGATGAATGATCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGGATACACGTTTGCATGTACTTTATGAATAAGGATCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAACGGGAGCGTAGATGGATGTTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTCGATATCTTGAGTGCAGGTGAGGCAGGCGGAATTCGTAGTGTAGCGGTGAAATGCGTAGATATCGCGAAGAACTCCGATTGCGAAGGCAGCCTGCTAGACTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU13909;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9938),o:Lactobacillales(0.9798),f:Lactobacillaceae(0.9573),g:Lactobacillus(0.9566);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAACTCTGTTGTTAGAGAAGAACGTGCGTGAGAGCAACTGTTCACGCAGTGACGGTATCTAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTGATAAGTCTGTCGTGTAATGCGTTGGCTTAACCAGAGAAGTGCATCGGAAACTGTCAGACTTGAGTGCAGAAGAGGGGAGTGGAACTCCATGTGTAGCGGTGGAATGCTTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGCCTAGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU13908;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9877),o:Lactobacillales(0.9606),f:Lactobacillaceae(0.8864),g:Lactobacillus(0.5720);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGCGTGAAGACGGGTTTCGGCTCGTAAAGCTCTGTTGTTAGAGAAGAACGTGCGCGAGAGCAACTGTTCCCGCAGTGACCGTATCTAACCAGAACGTCACGGCTCACTCCGTCCCAGCAGGCGCGGTAATACGTACGTGCCCAACGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTGATAAGTCTGAGGTGAAAGCCCGGGGCTTAACCAAAGAAGTGCATCGGAAACTGTCAGACTTGAGTGCAGAAGAGGACAGTGGAACGCCAGGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU13912;tax=d:Bacteria(0.0024),p:"Proteobacteria"(0.0000),c:Gammaproteobacteria(0.0000),o:Legionellales(0.0000),f:Coxiellaceae(0.0000),g:Coxiella(0.0000);

GCCCAATGCTCCAATGTGCTCCCCCCCCTTGAAATTCATACCCCTATCGACCACCGCCCCGCAGGGGACGAAAAATGGTTTTTTAGAGAACGAGCAGACGGTTACGCAGTTTTGCCGCAAGCTGGCTGCTGAACGCCCTCTTAAGGATATTCGCGATGAGTATAATTACCCCAAAAAGAAAGGTATTAAGGATGAGTGTTCAAGATTGCTGGAGGCCTCCACTATGAAATCGCGTAGAGGCTTTGCTATTCAGCGTTTGATGAATGCAATGCGACAGGCTCATGCTGATGGGGGGTTTATCGTTTGTGACACTCGCACGTTGGCTGACGACCGAGTAGAGGC

>OTU13910;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.9280),f:"Prevotellaceae"(0.8146),g:Prevotella(0.5239);

ACGGGAGGCAGCAGTGAGGAATATTGGTTAATGGGCGAGAGCCTGAACCAGCCAAGTAGTGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAAGGGAATAAAGTGAGCCTCGTGAGGCTTTTTGCATGTACCTTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTTCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGGCGGAGATTAAGCGTGTTGTGAAATGTAGATGCTCAACATCTGCACTGCAGCGCGAACTGGTTTCCTTTAGTACGCACAGAGTGGGCGGAATTCGTGGTGGTGCGGTTAAATGCTTAGATAACACGAAAAACTCCGATTGCGAAGGCATCTCACTGGGGCGCAACTGACGCTGAAGCTAGAAAGTGCGGGTATCGAACAGGATTTGATACCCTGGTA

>OTU13913;tax=d:Bacteria(0.0024),p:Cyanobacteria/Chloroplast(0.0000),c:Cyanobacteria(0.0000),f:Family_XIII(0.0000),g:GpXIII(0.0000);

TGCACAGCCTCGGACTCCGATCGTAATCCACGCTCTTTTACAATGTCCACACGAGAATCTCTCCCCTGAACAAAATGTGACTCATCTCTAAACCAGTCCTTGACGAACGTGCCAAGCATATTAAGCCACTTCTCCTCATCCAACGCGTCAGTTTTTGACAGAATCGTTAGTTGATGGCGAAAGGTCGCAAAGTAAGAGCTTCTCGAGCTGCGCAAGGATAGGTCGAATTTTCTCATTTTCCGCCAGCAGTCCACTTCGATTTAATTCGTAAACAAGAAGTAGTAAGTCCTGCTTTATCAAGATAAGTTTTCGACGCAGCAGAAATAGCCGAAAGTGTTAACTTCTGCGT

>OTU13911;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9990),c:Fusobacteriia(0.9840),o:"Fusobacteriales"(0.9889),f:"Fusobacteriaceae"(0.7428),g:Fusobacterium(0.2607);

ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGACTAAAAGTCTGATCCAGCAATTCTGTGTGCACGATGACGGTCTTAGGATTGTAAAGTGCTTTCAATTGGGAAGAAACAAATGACGGTACCAATAGAAGAAGCGCCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGTCGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGCGTCTAGGTGGTTTGGTAAGTCTGATGTGAAAATGCGGGGCTCAACTCCGTATTGCGTTGGAAACTGCCTAACTAGGATATCGGAGAGGGTGGCGGAAATACAAGTGGAGAGGGTAAATTCGTAGATATTTGTAGGAATGCCGATAGAGAAAGCAGCTCACTGGACGAATACTGAAACTGAAGCGTGAAAGCATTGGGGGCAAAAAAGATTAGATACCCTGGTA

>OTU13917;tax=d:Bacteria(0.0024),p:"Proteobacteria"(0.0000),c:Betaproteobacteria(0.0000),o:Burkholderiales(0.0000),f:Alcaligenaceae(0.0000),g:Pusillimonas(0.0000);

CTTTGGTATGTCGGTGGTCAACACTTTTAATTGCAGGGGCTTCGGCCCCTTCCTTGAGGCTAAATTCTGTCTAATCTTCAAACTGGCGCCGAGCGTATGCCGCATGACCTTTCCCATCTTGGCTTCCTTGCTGGTCAGATTGGTCGTCTTATTACCATTTCAACTACTCCGGTTATCGCTGGCGACTCCTTCGAGATGGACGCCGTTGGCGCTCTCCGTCTTTCTCCATTGCGTCGTGGCCTTGCTATTGACTCTACTGTAGACATTTTTACTTTTTAGGTCCCTCATCGGCACGTGTAGGGTGAACAGTGGATTAAGTTCACGAAGG

>OTU13914;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9866),o:Lactobacillales(0.8846),f:Lactobacillaceae(0.6350),g:Lactobacillus(0.4787);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGCCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGCCTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTCGTAACTGGCCTTTATTTGACGGCAACCAACCAGAAAGTCACGGCTTACTACGTGCCATCAGCCTCGGCAATACGAAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCCTAGGCGTAACCGGGGAACTGCTTCGGAAACTGTTTTTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAGGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU13916;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Lachnospiraceae(0.3544),g:Blautia(0.0904);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATCGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGG
GAGCGTAGACGGAGCAGCAAGTCTGATGTGAAAGGCAGGGGCTCAACCCCTGGACTGCATTGGAAACTGTTGATCT
TGAGTACCGGAGGGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGA
AGGCGGCTTACTGGACGATGACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13915;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9990),c:Fusobacteriia(0.9834),o:"Fusobacteriales"(0
.9866),f:"Fusobacteriaceae"(0.7787),g:Fusobacterium(0.0808);
ACGGAAGGCAGCAGTGGGGAATATTGGACAATGGAACAAAAGTCTGATCCAGCAATTCTGTGTGCACGATGAAGTT
TTGCGGCATGTAAATTGCTTTCTGTTGGGACGAAGTAAGTGACGGTACCAACAGACGAAGCGACGGCTAAATACGTG
CCAGCAGCCGCGGTAATACGTATGTCGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGCGTCTAGGCGGTTTGGT
AAGTCTGATGTGAAAATGCGGGGCTCAAGTCCGTATTGCGTTGGAAACTGCCACACTAAAGTACTGGAGAGGTGGG
CGGAACTACAATGGTAGAGGTGACATTCGTATATATTTGTAGGAAAGCCTATGGGGAAGCAAGCCCACTGGACAGAT
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>OTU13919;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Lach
nospiraceae(0.3884),g:Blautia(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGTCGCGTGAAGGAAGACGTA
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CCGCCGCGGTACTACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAGCAGCAAG
TCTGATGTGAAAGGCAGGGGCTCAACCGCTGGACTGCATTGGAAACTGTTTATCTTGAGTACCGGAGGGGTAAGCG
GAATTCCTTGTGTAGCGGTGAAATGCGTAGATATTAGGGAGAACACCAGTGGCGAAGGCGGCTTACTGAACGGTAA
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>OTU13918;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.
9389),f:"Prevotellaceae"(0.6350),g:Prevotella(0.4787);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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CCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGCAGGCCGGAGATTAAGTGAGTTGTGAAATGTAGATGCTCAACCGCTGAATTGCAGTGGATACTGGTTTCCTTGAG
TGCGGACAAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGC
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>OTU13921;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9776),o:"Bacteroidales"(0.
9685),f:"Prevotellaceae"(0.8505),g:Prevotella(0.6681);

ACGGGAGACAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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CCGGCTAATTCCGTTCCAGCAGCCGCGGTCATCCTGAAGGTCCGCGCGTTATCCGGATTTATTGGGTTTAAAGGGAGC
GTAGGCCGGAGATTAAGCGTGTTGTGAAATGTAGGTGCTCAACATCTGCACTGCAGCGCGAACTGGTTTCCTTGAGT
ACGGACAAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCA
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>OTU13922;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.
9280),f:"Prevotellaceae"(0.8505),g:Prevotella(0.4787);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACAAGCCAAGTAGCGTGCAGGATGACGGC
CCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCCGTCTTATAAGCGTGTTTTAAAATATGGGAGCTCAACCTGGGCATTGCGGCGCAAACTGTGAGTCTTG
AGTGCGCAGAAAATAGGCGGAATTCGTCGGGTGGCGGTAAAATGCTTAGTTATGACGAAGAACTCCGATTGCAAAG
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>OTU13920;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Lach
nospiraceae(0.1872),g:Fusicatenibacter(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGACGCAGCGACGCCGCGTGAGCGAAGAAGTA
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AGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTGATTGGGTGTAAAGGGAGCGTAGGCGGCATGGC
AAGTCTGATGTGAAAACCCAGGTCTCAACCCGGGAACTGCTTTGGAAACTGTCAAGCTTGAGTGTCGGAGAGGTGAG
CGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTGGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTAT
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>OTU13924;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9987),c:Fusobacteriia(0.9755),o:"Fusobacteriales"(0
.9389),f:"Fusobacteriaceae"(0.8505),g:Fusobacterium(0.3479);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGACCAAAAGTCTGATCCAGCAATTCTGTGTGCACGATGACGGT
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CCAGCAGCCGCGTTAATACGTATGTAGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGCGTGTAGGTGGTTAGGT
AAGTGTGGTGTGAAAATGCGGGGCTCAACTACGCATTGCGTTGGAAACTGCCTTACTAGAGTATCGGAGAGGTGGG
CGGAATTACAAGTGTAGAGGTGAAATTCGTAGATATTTGTAGGAATGCCGATAGAGAAGGCAGCTCACTGGACGAA
TACTGACACTGAAGCGCGAAAGCATGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU13923;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9991),c:Betaproteobacteria(0.9180),o:Burkholder
iales(0.7995),f:Sutterellaceae(0.5273),g:Sutterella(0.3479);

ACGGGAGGCAGCAGTGGGGAATTTTGGACAATGGGGGCAAACCTGATCCAGCCATGCCACGTGCAGGATGAAGGC
CTTCGGGTTTTAAACTGCTTTTTTCAGGGACGAAAAGGCCCGTGTTAATACCATGGTCTGCTGACGGTACCTGAAGAA
TAAGCACCGGCTAGCTACGTGCCAGCCGCCGCGTTAATACGTAGGGTGCAAGCGTCAATCGGAATTACTGGGCGTAA
AGCGTGCGCAGGCGGTTCTGTAAGACAGATGTGAAATCTCCGGGCTCAACCTGGGAATTGCATCGGTGACTGCAGG
ACTAGAGTGCATCAGAGGGGGGTGGAATTCCAAGTGTAGCAGTGAAATGCGTAGATATTTGGAAGAACACCGATGG
CGAAGGCAGCCCCCTGGGCTGCGACTGACGCTCATGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGAT
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>OTU13925;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Lachnospiraceae(0.0252),g:Blautia(0.0076);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAATTA
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CAGGCGCAGTACTACGCAGGGAGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAGCAGCAA
GTCTGATGTGAAAATGCGGGGCTCAACCCCGTATTGCGTTGGCAACTGCCTATCTAGGATAGCGGAGGAGTGGGGG
GAACTACAAGTGTAGGGGTTAAATTCGTAGATATTTGTAAAAATGCCGATATGCAAGGCAGCTCACTGGACGAATAC
TGACCCCTAAGCGCGAAAGCATGGGGTGCCAACCGGATTAGATACCCTGGTA

>OTU13926;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9933),c:Fusobacteriia(0.9740),o:"Fusobacteriales"(0.9172),f:"Fusobacteriaceae"(0.7428),g:Fusobacterium(0.2607);

ACGGAAGGCAGCAGTGGGGAATATTGGACAATGGACCAAACTTCTGATCCATCAATTCTGTGTGCACGATAACGGTC
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CAGCAGCCGCGTTAGTACGGATGTCGCAAGCGTTATCCGGATTTAGTGGGCGTAAAGCGCGTCTAGGTGGGTTGGTA
AGTCTGATGTAAAAATGCGGGGCTCAACGCAGTATTGCGTTGGAAACTGCATAACTAGAGTATCGGAGAGGTGGGC
GGAACTACAAGTGTAGAGGTGAAATTCGTAGATATTTGTAGGAATGCCGATAGAGAAGGCAGCTCACTGGACGAAT
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>OTU13929;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8520),f:"Prevotellaceae"(0.5632),g:Prevotella(0.0904);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGAAGGC
CCTATGGGTTGTAAACTGCTTTTTTAAGGGAATAAAGGGCGCTTCGCGACGCTTTTTGCATGTACCTTATGAATAAGG
ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGATGTTCCGGGCGTTATCCGATTTTATTGGGTTTAAAGGGA
GCGTAGGCCGCCGGTTAAGCGTGCTGTGAAATGTCGGGGCTCAACCTGGGGATTGCAGCGCGAACTGGCAGGCTTG
AGTGCGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAGGAACCCCGATTGCGAAG
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>OTU13930;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9784),o:Lactobacillales(0.9497),f:Lactobacillaceae(0.8864),g:Lactobacillus(0.5239);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAACCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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ACAGTCACGGCTAACTACGTGCCGGAAGCCGCGGTCATACGTAGGTGGCAAACGTTATCCGGATTTATTGGGCGTAA
AGCGAGCGCAGGCGGTTTGATAAGTCTGATGTGAAAGCCATTGGCTTAACCAAAGAAGTGCATCGGAAACTGTCAG
GCTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATAGGGAAGAACACCAGTG
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>OTU13927;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Rumi
nococcaceae(0.5991),g:Intestinimonas(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
TTTCGGGTTGTAAACTTCTTTTGTCAGGGACGTAACAAATGACGTTACCTGACGAATAAGCCACTTCTAACTACGTGCC
AGCACTCGCGGTGATCCGTCGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGAGTGCA
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GGAATTCCGGGTGTAGCGGTGAAATGCGTAGATATACGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACAGC
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>OTU13928;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Rumi
nococcaceae(0.2524),g:Clostridium_IV(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCATGAGGGAAGAAGGC
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CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTTCTGGGTGTAAAGGGCGTGCAGCCGGGTCTGC
AAGTCAGATGTGAAATCCATGGGCCCAACCCATGAACTGCATTTGAAACCGTAGATCCTGAGTGTCGGAGGCGCAAT
CGGAATTCCTAGTGGTGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGTCGAAGGCGGATTGCTGGACGAT
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.9280),f:"Fusobacteriaceae"(0.7787),g:Fusobacterium(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGACCAAAAGTTTGATCCAGCAATTCTGTGTGCACGATGACGGT
CTTAGGATGGTAAAGTGCTTTCAATGGGGAAGAAACAAATGAGGGTACCAATAGAAGAAGCGAAGGATAAATACGT
GCCAGCAGCCGCGGTAATACGTATGTCGAAAGCGTTATCCGGATTTATTGGGCGTAAAGCGCGTCTAGGTGGTTTGG
TAAGTCTGATGTGAAAATGCGGGTCTCAACGCCGTATTGCGTTTGAAACTGCCTACCTAGAGTATCGGAGATGTGGG
CGGAACTACAAGTGTAGAGGTGAAATTCGTATATATTTGTAGGAATGCCGATAGAGAAGTCAGCTCACTGGACTAAT
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>OTU13933;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.
7995),f:"Prevotellaceae"(0.4914),g:Prevotella(0.0712);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGCAGCGTGCAGGAAGACGGC
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ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCCGTCTGTTAAGCGTGATGTGAAATGTCGGGGCTCAACCTGGGAATTGCAGTGCAAACTGGCAGACTTGA
GTGCAGAGGAGGTAGGCGGAATTCATGGTGTAGCGGTGAAATGCTTAGATATGACAAAGAACACCGATTGCGAAGG
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>OTU13932;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Lachnospiraceae(0.3544),g:Dorea(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAGTGATGACGTCT
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CCAGATGTGAAAGCCCGGGGCTCAAGCCCGGTGCTGCATTTGGAACTGGAAGGCTAGAGTGTCGGAGAGGCGAGG
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>OTU13934;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Ruminococcaceae(0.0355),g:Ruminococcus(0.0087);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
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CAGCAGCCGCGGTAATACGTAGGGGGCAAGCGGTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCATGG
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AGTCGAATGCTGAATGGAGAGGTGGCTAGCGTATACACCAGGAACAACATAATTGGCGAACGCTGGTCCACCGACC
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>OTU13935;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Lachnospiraceae(0.2864),g:Hespellia(0.0519);
ACGGAAGGCAGCAGTGAGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTA
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GCAGCCGCGGGAATACGTATGGGGCAAGCGCTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTGAGGCA
AGTCAGATGTGAAAGCCCGTGGCTCAACTGGGGGATTGCATTTGAGACTGTAATGCTTGAGTGCAGGAGAGGTAAG
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>OTU13938;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Bacilli(0.8897),o:Lactobacillales(0.6138),f:Lactobacillaceae(0.3544),g:Lactobacillus(0.1299);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGACGGAGCAACGCCGCGTGAGTGAAGAAGGT
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TA

>OTU13936;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Clost
ridiales_Incertae_Sedis_XIII(0.1291),g:Anaerovorax(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGGGAAGAAGGC
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.9685),f:"Fusobacteriaceae"(0.5632),g:Fusobacterium(0.0423);
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>OTU13939;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9180),o:"Bacteroidales"(0.
8303),f:"Prevotellaceae"(0.5632),g:Prevotella(0.0904);
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GACCGGCTCATTCCGTTCCAGCAGCCGCGGTCATACGGAAGGTCCGTTCGTTATCCGGATTTATTGGGTTTAAAGGGA
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>OTU13943;tax=d:Archaea(0.0041),p:"Euryarchaeota"(0.0000),c:Thermococci(0.0000),o:Thermococcales(0
.0000),f:Thermococcaceae(0.0000),g:Thermococcus(0.0000);

CTTGGTCATTTAGAGGAAGTAAAAGTCGTAACAAGGTCTCCGTTGGTGAACCAGCGGAGGGATCATTACAGGACGTC
ATACTCCCGTAATACCACTGTGAATCTTACCTACCGTCGTTGCCTCGGCGGGCGCCCCGGGGGGGAAACCCCTCTGGA
GCCCGCCGGCGGCCCGCATACTCTGTCTCAGCGTGTTGGCATCTCCGAGTATTATACAAACGAGTCAAAACTTTCAAC
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>OTU13942;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Bacilli(0.9733),o:Lactobacillales(0.8520),f:Lactob
acillaceae(0.6350),g:Lactobacillus(0.4351);

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AGACTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAGT
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bacteriales"(0.2679),f:Enterobacteriaceae(0.1291),g:Escherichia/Shigella(0.0181);

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es(0.1015),f:Anaplasmataceae(0.0355),g:Ehrlichia(0.0087);

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onadales(0.0000),f:Sphingomonadaceae(0.0000),g:Sphingomonas(0.0000);

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acillaceae(0.6350),g:Lactobacillus(0.2171);

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GTA

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7623),f:"Prevotellaceae"(0.4563),g:Prevotella(0.0712);

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1015),f:"Marinilabiaceae"(0.0355),g:Anaerophaga(0.0087);
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3959),f:"Porphyromonadaceae"(0.1679),g:Odoribacter(0.0423);
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nococcaceae(0.5273),g:Ruminococcus(0.1735);
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CGGAATTCCCTGTGTAGCGGTGAAATGCTTAGAGGTAGCGACGACCACCAGGGGCTACGCCGGTTTGCTGGACGGC
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ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGCGGCAACACCGCGTGAGTGAAGAAGGG
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GCAAGTCCCGGCTTACTACTTGACAGCAGCCTCTGTGATACTTCTGTGTCAAGAGTTATCCGGATTTATTGGGCGTAA
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>OTU13996;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Ruminococcaceae(0.3884),g:Ruminococcus(0.0904);
ACGGAAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGT
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AGGAATTCCCTGTGTAGCGGTGAAATTCGTAAATATAGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGCGCTAT
ACTTGACGCTGAGGCACGAAGGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU14000;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9605),c:Gammaproteobacteria(0.8897),o:Pasteurellales(0.6138),f:Pasteurellaceae(0.4224),g:Actinobacillus(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCACAGTGGGGGGAACCCTGATGCAGCCATGCCGCGTGAATGAAGAAGGC
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>OTU14001;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Ruminococcaceae(0.7787),g:Ruminococcus(0.4787);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCGATGCCGCGTGGAGGAAGAAGGT
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>OTU13999;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Lachnospiraceae(0.3884),g:Eisenbergiella(0.0904);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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GAAGCCGCGGGAATACGAAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGGTTCA
AGTCTGAAGTGAAATACCCGGGCTCAACCTGGGAACTGCTTTGGAAACTGTACGGCTTGAGTGCTGGAGAGGTAAG
CGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACAGT
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>OTU13998;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Erysipelotrichia(0.9769),o:Erysipelotrichales(0.9606),f:Erysipelotrichaceae(0.9387),g:Turicibacter(0.9705);

ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGACGGATGAAAGC
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GTA

>OTU14005;tax=d:Bacteria(0.0024),p:Firmicutes(0.0000),c:Bacilli(0.0000),o:Lactobacillales(0.0000),f:Leuconostocaceae(0.0000),g:Weissella(0.0000);

TTGAAAGGGAAACGATTGAAGCCAGTCGTACTCATGGGTAATCAACCTTTCTGGCGCGATTATGTGGGCGTGTTGGA
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CGTCATAAAATGACGGGAGGAATGTAGCTTTGGTCTCGTACTGAAGTGTTATAGCCTCTAGTAGATGTGACGTCTGG
GATTGAGGATTGCAACGGATACCTCTCGGGGCTACCTGCCTGGTCTCTGATGGTTGCTATGGTGCCGAAAGCTTGCTT
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>OTU14002;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Bacilli(0.8189),o:Lactobacillales(0.5395),f:Lactobacillaceae(0.2864),g:Lactobacillus(0.0712);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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GAAAGTCACGGCTGACTACGTGCCAGCAGCCGCGGTAATACGTAGGTCACGAGCGTTATCCGGAATTATTGGGCGTA
AAGAGTGAGCAGGCGGCTCGCTAAGCCCGGAGTGAAAGCGTGGGGCTCAACCCCATAAAGCTCCGGGAACTGGCG
GGCTAGAGTGCCTGAGAGGTCAACGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCGGCG
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>OTU14003;tax=d:Bacteria(0.9827),p:"Bacteroidetes"(0.4311),c:Sphingobacteriia(0.0626),o:"Sphingobacte
riales"(0.0413),f:Sphingobacteriaceae(0.0099),g:Solitalea(0.0046);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
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AGCATCGGCGAACTCCGTGCCAGCAGCAGCGGTATTCGGGGGGATGCGGGCGTTATCCGGATTCTTTGGGTTTAAAG
GGTGCGTAGGCTGTGCGTCAAGTCTGGGGTGAAAGTCCGGTGCTCAACCGCGGGACTGCCCTTGATACTGTCGGGCT
GGAGTGCGGTTGAGGCAGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACTAAGAACACCGATGGCG
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>OTU14004;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.8267),c:Gammaproteobacteria(0.5963),o:"Entero
bacteriales"(0.2999),f:Enterobacteriaceae(0.1485),g:Escherichia/Shigella(0.0181);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGT
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AGCAGCCGCGGTAATACGGAGGTGGCAAGCGTAATCCGGAATTACTGGGTGTAAAGGGAGCGTAGACGGCTTTGCA
AGCCAGATGTGAAAGCCCGGGGCTCCACCTGGGAACTGCATCTTATACTGGCAAGCTTGAGTCTCGTAGAGGGGGG
TAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTTGGGGAATACCGGTGGCGAAGGCGGCCCCCTGGACGAA
GACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU14006;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9784),o:Lactobacillales(0.9497),f:Lactob
acillaceae(0.8864),g:Lactobacillus(0.6200);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAACGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGC
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AGCGAGCGCAGGCGGTTTGATAAGTCTGGGGTGAAAGAGGTTGGCTTAACCAAAGAGGTGCATCGGAAACTGTCGG
ACTTGAGTGCAGAAGAGGAGAGTGGAATGCCAAGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTG
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TA

>OTU14008;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9605),c:"Bacteroidia"(0.8048),o:"Bacteroidales"(0.5395),f:"Prevotellaceae"(0.3544),g:Prevotella(0.0519);

ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGCCGGGAGTCTGATCCAGCCAAGCAGCGTGCAGGATGACAGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGGTAATGAGTGCCACGTGTGGCCTATTGCAGGTACCCTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCCGTCTGATAAGCGTGTTGTGAAATGTCGGCGCTCAACGTGGGCAGTGCAGCGCGAACTGGTGGACTTGATTGCACATGAAGTGGGCGGAATTTGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACACCGATTGCGAAGGCATCCTGCTGTAGCGTAATTGACGCTGAGGCTCGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU14007;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Ruminococcaceae(0.0252),g:Saccharofermentans(0.0076);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTTAAGAAGGTCTTCGGATTGTAAAGCTCTTTGATCAGGGACGAACACAATGACGGTACCTGAAGAACAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGTGTGTAGGCGGGCTCGCAAGTTGGATGTGTAATACCCAGAGCTTAACTCGGGAGATGCATCTGAAACTACGAGTCTTGAGTGTCGAAGAGGGAAGGGGAATTCCGAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAAAAGCAGTGGGGAAGGCGACTTACTGGACGATAAGGGACGCTGAGGCACGAAAGCGTGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU14009;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Ruminococcaceae(0.5273),g:Intestinimonas(0.0712);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGACGGCTTTCGGGTTGTAAACTTCTTTTGTCAGGGACGAGTAGAAGACGGTACCTGACGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGAAGGTGGCAAGCGTGGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGAGGGCAAGTCAGATGTGAAAGTCACGGGCTCAACTCGTAGACTGCATTTGAAACTGTTCTGCTTGAGTGACGGAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU14010;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Clostridiaceae_1(0.5632),g:Clostridium_sensu_stricto(0.3479);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGTTTTCGGATCGTAAAGCTCTGTCTTCGGGGAAGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTCGGTGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAAGTGGGATGTGAAATACCCGGGCTCAACCTGGGTGCTGCAGTGCGAACTGGTTGTCTAGAGTGCACGAGAGGTGAGCGGAATTCGTCGTGTAGCGGTGAAATGCGTAGAGATGAGGAAGAACTCCGGTGGCGAAGGCGATTCTCTGGAGTGCAACTGACGCTGAGGCTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU14011;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9988),c:Gammaproteobacteria(0.9776),o:Aeromonadales(0.9063),f:Succinivibrionaceae(0.8505),g:Anaerobiospirillum(0.6200);
ACGGAAGGCAGCAGTAGGGAATATTGCACAATGGGGGAAAAACTGATGAAGCCATGACGCGTGTGTGAAGAAGGCCTTCGAGTTGTAAAGCACTTTCAGTGGAGAGGAAACACTGACGTTACCCACAGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATAACTGGGCGTAAAGGGCATGTAGGCGGAAAGGTAAGTAGGATGTGAAATACCCGGGCTCAACCTGGGTTGGTCATTCTAAACTGTCTTTCTAGAGTATTGCAGAGGGAGATGGAATTTCAGGTGTAGCGGTGGAATGCGTAGATATCTGAAATAACACCGGGGGCGAAGGCGGTCACCTGCGCAAACACCGACGCTGAGTTGCGAAAGCCTGGAGGGAGAACAGGATTAGATACCCTGGTA
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ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTTTAAGGGAATAAAGTGCACCACGTGTGGTGATTTGTATGTACCTTATGAATAAGGATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCGGTGGGTTAAGTCTGTTGTGAAAGTTACCGGCTCAACCGGGAAATTGCAGCTGGTACTGCATGACTTGAGTGCACAGGAGGCGGGCGGAATTTGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTTGCTGGAGCGTTACTGACGCTAATGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU14013;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Lachnospiraceae(0.1872),g:Dorea(0.0519);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAAGGATGAAGTATTTCGGTATGTAAACTTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGTCTTATAAGCGTGATGTGAAATGCCGGGGCTCAACCTGGGCAGTGCATTGCGAACTGTGAGGCTTGAGTGCTGAAGAGGAAGGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATGAGGAAGAACTCCGATTGCGAAGGCGGCCTGCTGTAGCGCAACTGACGCTGAGGCTCGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU14014;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8628),c:"Bacteroidia"(0.4428),o:"Bacteroidales"(0.2039),f:"Prevotellaceae"(0.0560),g:Prevotella(0.0087);
ACGGGAGGCAGCAGTAAGGGATATTGGTCAATGGGCGGGAGCCTGAACCAGCCATGTCGCGTGCAGGATTGCGGCCCTACGGGTCGTAAACTTCTTTTATGCGGGGATAACGTGCGCCACGTGTGGCGCCTTGTAGGTACCCGGTGAATAAGGTCCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGGCGGTTAAGCGTGAGGTGAAATGTAGCCGCTCAACGGCTTCGTTGCGTATGGTACTGGGTTCCTTGAATGAGTGCGACGTCAGCGGAATTTGTGGTGTAGCGGTGAAATGCTTAGATATGCCAAAGAACCCCGATTGCGAAGGCAGCTGACCAGGCCTTTACTGACGCTAAAGCACGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGATA
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8629),f:"Prevotellaceae"(0.5991),g:Prevotella(0.0904);
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5023),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0204);
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>OTU14016;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Negativicutes(0.8189),o:Selenomonadales(0.57
66),f:Veillonellaceae(0.3884),g:Anaerovibrio(0.0615);
ACGGGAGGCAGCAGTGGGGAATCTTCCGCAATGGGCGCAAGCCTGACGGAGCAACGCCGCGTGAGTGAAGAAGGT
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>OTU14019;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9474),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.
4652),f:"Prevotellaceae"(0.1872),g:Prevotella(0.0181);

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2679),f:"Porphyromonadaceae"(0.0457),g:Parabacteroides(0.0110);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGTAGCCTGAACCAGCCAAGTCGCGTGGGGGATGACGGC
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nadales(0.8955),f:Succinivibrionaceae(0.8146),g:Anaerobiospirillum(0.6200);
ACGGGAGGCAGCAGTAGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCCATGCCGCGTGTGTGAAGAAGGC
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8520),f:"Prevotellaceae"(0.4914),g:Prevotella(0.0904);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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AGCGTAGGCCGTCTGTTAAGCGTGTCGTGAAATGTACGGGCTCAACCGGGGCAGTGCGGCGCGAACTGGCAGACTT
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>OTU14023;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Lach
nospiraceae(0.4914),g:Blautia(0.0904);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTA
TCTCGGTATGTAAACTTCTATCAGCAGGGAAGATGATGACGGTACCTGACTAAGAAGCCCCGGCTCACTACGTGCAA
GCAGCCGCGGTACTGCGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGCAA
GGCTGATGTGAAAGGCTGGGGCTTAACCCCGGGACTGCAGTGGAAACTGCATCGCTTGAGTGCCGGAGGGGTAAGC
GGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATCAGGAGGAACACCGGTGGCGAAGGCGGCTTACTGGACGGC
GACTGACGTTGAGGCTCGAAGGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU14024;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Lachnospiraceae(0.3884),g:Blautia(0.1735);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACTCTGATGCAGCGACGCCGCGTGAAGGAGGAAGTA
TTTCGGTATGTAAAGCTCTGTCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTACTACGTCGGGGGCAGGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTTTTGTAA
GTCTGATGTGAAAGGCAGGGGCTCAACCCCTGGACTGCATTGGAAACTGTGAGCCTTGAGTGCGGAGGAGGTAAGC
GGAATTCCTCGTGTAGCGGTGAAATGCTTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGGTA
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>OTU14025;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.8448),c:Alphaproteobacteria(0.5963),o:Sphingomonadales(0.1719),f:Sphingomonadaceae(0.0710),g:Sphingomonas(0.0157);

ACGGAAGGCAGCAGTGGGGAATATTGGACAATGGGCGAAAGCCTGATCCAGCCATGCCGCATGAGTGATGAAGGC
CTTAGGGTTGTAAAGCTCTTTTAGCGAGGAAGATAATGACGGTACTCACAGAATAAGTCCCGGCTAACTCCGTGCCA
GCAGCCGCGGTAATACGGAGGGGGCTAGCGTTATTCGGAATTATTGGGCGTAAAGGGCGCGTAGGCGGCTTAGTAA
GTTAGAAGTGAAATCCTGAGGCTCAACCTTAGAATTGCTTTTAAAACTGCTAATCTAGAGATTGGAAGAGGAGAGTG
GAATTCCTAGTGTAGAGGTGAAATTCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGTCTATCTGGTTCAGATC
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>OTU14028;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:"Bacteroidia"(0.4812),o:"Bacteroidales"(0.2359),f:Bacteroidaceae(0.1098),g:Bacteroides(0.0204);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGAAAGCCTGATCCAGCAATGCCGCGTGAGTGAAGAAGGG
TTTCGGCTTGTAAAGCTCTGTTGTTAGAGAAGAACGTGCGTGAAAGTAACTGTTCAGGCAGCGACGGTTTCTAACCA
GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGCGGAGCCGAACGGTATCCGGATTTATTGGGTGT
AAAGGGAGCGTAGGTGGACTGGTAAGTCAGTAGTGAAAGTTTGCGGCTCAACCGTGAAATTGCAGTTGATACTGTC
AGTCTTGAGTAAAGTAGAGGTGAGCGGAATTCGTGGTGTAGCGGTGAAATGCGTAGATATCACGAAGAACTCCGAT
TGCGAAGGCAGCTCACTGGACTGCAACTGACACTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTG
GTA

>OTU14029;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:"Bacteroidia"(0.5579),o:"Bacteroidales"(0.2999),f:Bacteroidaceae(0.1291),g:Bacteroides(0.0230);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGAAGACTGC
CCTATGGGTTGTAAACTTCTTTTATAAGGGAATAAAGTGCACCACGCGTGGTGTTTTGTATGTACCTTATGAATAAGG
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGTGGTTACCTAAGCAGGGGGTGAAAGGCAATGGCTCAACCATTGTTAGCCCCCTGAACTGGGCTACTTGAG
TGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGG
CGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU14026;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:"Bacteroidia"(0.0726),o:"Bacteroidales"(0.
0473),f:Prolixibacteraceae(0.0113),g:Prolixibacter(0.0056);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGCGGC
CCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGTGTACCAGGGGAATA
AGCATCGGCTAACTCCGGGCCAGCAGCCGCGGTAATACGGGGGATGCGGGCGTTATCCGGATTCATTGGGTTTAAA
GGGTGCGTAGGCTGTGCGTCAAGCGAGTGGTGAAATTCCGGGGCTCAACGTCGGGGTTGCCATGGATACTGTCGGG
CTGGAGTGCGGATGACGCAGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACACCGATTGC
GAAGGCAGCCGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA
>OTU14027;tax=d:Bacteria(1.0000),p:Firmicutes(0.2586),c:Clostridia(0.1159),o:Clostridiales(0.0547),f:Pept
ostreptococcaceae(0.0113),g:Filifactor(0.0056);
ACTTTAGGCAGCAGTGGGGAATATTTTGCCCTGGTCGAAAGCCTGACCCAGCAATGCCGCGTGAGTGAAGAAGGTCT
TCGGATTGTAAAGCTCTTTGATTAGGGACGAAAAAATGACTGTACCTAAAGAACAAGCCGCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTGGGGGGCAAGCGTTGTCCGGAATTATTGGGCGTAAAGGGTGCGTAGGTGGTTTAGCAA
GTTGGAAGTGAAATACCCAGGGCTTAACGCGGGTGCTGCGTTCAAAACTACTAGACTTGAGTGTGGGCGAGAATAG
TGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACCCCAGTGGCGAAGGCGACTATTTGGCCCATA
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>OTU14031;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9835),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.
4652),f:Bacteroidaceae(0.1485),g:Bacteroides(0.0326);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGCCGCAAGGCTGAACCAGCCAAGTAGCGTGAAGGATGACCGC
CCTACGGGTCGTAAACTTCTTTTATAAAGGAATAAAGGCGTCCACGTGTGGACGTTTGCATGTACTTTATGAATAAGC
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGCAGACGGGCTGTTAAGTCAGCTGGGAAATGCCGCGGTTCAACCGAGGACCTGCAGTTGAAATGGGCGGCCTTG
GGTGCGGTGGAGGCAGGCGGAATTCGTGGTGTAGGGGTGAAATGCTTAGATACAACGAAGAACCCCGATTGCGAA
GGCAGCCTGCCAATCCGTTACGGACGTGCATGCTCGAAGGTGCGGGTATAAAACAGGATTAGAGACCCTGGT
>OTU14033;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9180),o:"Bacteroidales"(0.
8303),f:"Prevotellaceae"(0.4914),g:Prevotella(0.0808);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCCGAACCAGCCAAGTAGCGTGCAGGACGACGGC
CCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTGGGCCACGCGTGGCCTTTTGCAGGTACCGCATGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCCGTCTGTTAAGCGTGTTGTGAAATGGCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGTCGTACTTG
AGTACGCTGGAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACACCGAGTGCGAAG
GCAGCCTACCGTAGCGGGATCGACGGTGAGGCTCGAGAGAGTGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU14030;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Eubacteriaceae(0.6350),g:Eubacterium(0.4787);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCAACGCCGCGTGAAGGAAGACGGT
TTTCGGATTGTAAACTTCTGTTCTTAGTGAAGAATAATGACGGTCGCTAAGGAGCAAGCCACGGCTAACTTCGTTCCA
GCAGCCCCGGTAATACGTAGGTGGCCAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCTCAGGCGGGTGATCAA
GTCAGCTGTGAAAACTACGGGCTTAACACGTAGACTGCAGTTGAAACTGGTAATCTTGAGTGAAGTAGAGGTTGGCG
GAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCGGTGGCGAAGGCGGCCAACTGGGCTTTAA
CTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU14034;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9802),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.3959),f:"Prevotellaceae"(0.1485),g:Prevotella(0.0181);
ACGGGAGGCAGCAGTGAGGAATATTGCTCAATGGGCGGAAGCCCGAACCAGCCAAGTAGCGTGCAGGACGACGGC
CCTCTGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTGGGCCACGCGTGGCCTTTTGCACGTACCGCATGAATACG
GACCGGCTACTTCCGTGCCAGCAGCCGCGGTATTACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGCAGGCCGCCGTGCAAGCGTGATGTGAAATGCAGTCGCTCAACGTCTGCACTGCAGCGCGAACTGGAAAGCTT
GAGTGCGCGAAACGTTGGCGGAATTCGCAGTGTAGCGGTGAAATGCGTAGATATTGCGAAGAACTCCGATTGCGAA
GGCAGCTGACGGGTGCGTAACTGACGCTCATGCTCGAAAGTGCGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU14032;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Lachnospiraceae(0.3204),g:Coprococcus(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGACCAAAAGTCTGATCCAGCAATTCTGTGTGCACGATGAAGTT
TTTCGGAATGTAAAGTGCTTTCAGTTGGGACGAAGTAAGTGACGGTACCAACAGAAGAAGCGACGGCTAAATACGT
GCCAGCAGCCGCGGTAATACGTATGGTGCAAGCGTTATCCGAACTTACTGGGTGTAAAGGGAGCGTAGACGGCTGT
GTAAGTCTGAAGTGAAAGCCCGGGGCTCAACCCCGGGACTGCTTTGGAAACTATGCAGCTAGAGTGTCGGAGGGGT
AAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGAC
GATTACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU14035;tax=d:Archaea(0.0041),p:"Euryarchaeota"(0.0000),c:Halobacteria(0.0000),o:Natrialbales(0.0000),f:Natrialbaceae(0.0000),g:Natrinema(0.0000);

ACTTTATCCTCCAGTAAGGGGCCGCAGCCCCTGCAATTAACATCGTTGCCCACCTACATACCCAAGACGAGCGCCTTT
ACGCTTGCCTTTAGTCCCTCGCAACGGCTGCGGACGACCAGGGCGAGCGCCAGAACGTTTTTTACCTTTAGACATTAC
ATCACTCCTTCTGCACGTAATTTTTGACGCACGTTTTCTTCTGCGTCAGTAAGAACGTCAGTGTTTCCTGCGCGTACAC
GCAAGGTAAACGCGAACAATTCAGCGGCTTTAACCGGACGCGCGACGCCATTAATAATGTTTTCCGTAAATTCAGCG
CCTGCCATGATG
>OTU14036;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Lach
nospiraceae(0.2524),g:Lachnospiracea_incertae_sedis(0.0423);
ACGGAAGGCAGCAGTGGGGAATATTGAACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAGGAGGTA
CTTCGGTATGTAAAACTCTATCAGCAGGGACGATAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTATGGGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGCGTAGGTGGTATGGTAA
GTCAGAAGTGAAAGGCCCGGGCTTAACCTCGGGACTGCTTTTGAAACTGTCAATCTAGAGTACAGGAGAGGAGAGC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGAA
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>OTU14037;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.
8520),f:"Prevotellaceae"(0.4914),g:Prevotella(0.1299);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGAAGGC
CCTATGGGTTGTAAACTGCTTTTATAGGGGAATAAAGTGCGGCACGTGTGGCGTATTGCAGGTATCATATGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGTGGACTTATAAGCGTGTTGTGAAATGTTGCGGCTCAACCTTGACATTGCAGCTGAAACTGTGAGACTTG
AGTGCAGAAGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAG
GCAGCTTGCTGTACTGCAACTGACACTGAAGCTCGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU14039;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9791),o:"Bacteroidales"(0.
9730),f:"Prevotellaceae"(0.9387),g:Prevotella(0.7162);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCCGTCTTATAAGCCTGTTTTGAAATTTCGGGGCACAACCTGGGCGTTGCAGCCCGAACTTGTAGACTTGA
GTGCGCAGGAAGTAGGCGGAATCCCTCGTTTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGG
CCGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU14038;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:"Bacteroidia"(0.4428),o:"Bacteroidales"(0.
2039),f:"Porphyromonadaceae"(0.0904),g:Coprobacter(0.0134);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGACTACGGC
CCTACGGGTTGTAAACTTCTTTTGACGCAGAGCAATAAGGTCCACGCGTGGAGCGATGAGAGTATGCGTAGAATAAG

CATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGGGGTTGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGG
TGCGTAGGCGGCCGAGTAAGCCAGCGGTGAAAGGCCGGGGCTCAACCCTGGAAGTGCCGCTGGTACTGTTTGGCTG
GAGTGAGCCCGACGCGAGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACACCGATTGCGAA
GGCATCTGGCGAGGGGTCAATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU14041;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9991),c:Fusobacteriia(0.9851),o:"Fusobacteriales"(0
.9934),f:"Fusobacteriaceae"(0.9884),g:Fusobacterium(0.0904);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGACCAAAAGTCTGATCCAGCAATTCTGTGTGCACGATGAAGTT
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CTGAACTACAAGGTGAGAGGGGAAAATGGGTGATATTTGGAGGAATGACGAGGGGGAAGGCAGCCCACTGGACAG
ATACTGACGCCAAAGCGCGAAAGCGGGGGTAGCAAACAGGATTAAATAACCTGGTT
>OTU14040;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9441),c:"Bacteroidia"(0.7114),o:"Bacteroidales"(0.
4280),f:"Porphyromonadaceae"(0.1291),g:Parabacteroides(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGATGACGGC
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GCGTAGGTTGCCGATTAAGTCAGAGGTGAAAGTCAGAGGCTCAACCATTGAACTGCCGTTGAAACTGGTTGGCTTGA
GTACGTAAGGGGCAGGAGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACCCCGATGGCGAAG
GCAGCGTGAAAGGCCGTGACTGACACTGATGAACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU14042;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9507),c:"Bacteroidia"(0.8048),o:"Bacteroidales"(0.
5395),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0519);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGC
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GACCGGCTAATTACGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCTGGATTTATTGGGTTTAAAGGG
AGCGTAGGCGGACTGTTAAGCGTGGTGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGGCAAGCTT
GAGTGCGCAGGAGGTAGGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATGACGAGGAACTCCGGTTGCGAA
GGCAGCCTGCTGGAGCGTAACTGACGTTGAGGCTCGAAAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU14044;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8472),o:"Bacteroidales"(0.
6509),f:Bacteroidaceae(0.2184),g:Bacteroides(0.0615);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGAAGACGGC
CCTATGGGTTGTAATCTGCTTTTTTAAGGGAATAAAGTGCACCACGCGTGGTGGTTTGTATGTACATTATGAATCAGG
ATCGGCTAACTCCGTGCCAGCAGCGGCGGTCATCCGGAGGCTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGA

GCGTAGGCGGCAGGTTAAGTCAGATGTGAAAGTTTGCGGCTCAACCGTAAAATTGCATTTGATACTGGCCTGCGTGA
GTGAGGCAGAGGCAGGCGGAATTTGTGGCGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGG
CAGCTTGCTGGAGCGTAACTGACGCTGATGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU14045;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Lach
nospiraceae(0.1872),g:Clostridium_XlVa(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
TTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAGATGACGGTACCTGCACAAGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGATGGAATGGCAA
GTCAGATGTGAAAGGCATGGGCTCAACCCGTGGACTGCATTTGAAACTGCCAGTCTGGAGTGTCGGAGGGGCAGGC
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>OTU14043;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9507),c:Deltaproteobacteria(0.8189),o:Desulfovib
rionales(0.5023),f:Desulfovibrionaceae(0.1872),g:Desulfovibrio(0.0519);
ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGTGATGAAGGT
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GAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTGATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTA
AAGCGCGTGTAGGCTGTATGGCAAGTTGAATGTGAAATCCCACGGCTCAACCGTGGAACTGCATTCAAAACTACCAA
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>OTU14047;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.
9606),f:"Prevotellaceae"(0.8864),g:Prevotella(0.5239);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTCTGCCACGTGTGCCATTTTGCAGGTACCCTATGAATAAGG
ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
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>OTU14046;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8614),o:Clostridiales(0.6509),f:Rumi
nococcaceae(0.3884),g:Flavonifractor(0.0326);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGATCCAGCAACGCCGCGTGAATGAAGAAGGC
TTTCGGGTTGTAAACTTCTTTTCTTAGGGACGATGCAAGTGACGGTACCGAAGGAATAAGCCACTGCTTACTACGTGC
CAGCAGCCGCGGTAAGACGGAGGTGGCAGTCGTTATCCGGATTTACTCGGTGTAAAGGGCGTGTAGGCGGGATTGA

AAGTCAGATGTGAAAACAACGGGCTCAACCTGGGGCCTGCATTTGAAACTGTAGTTCTTGAGTACTGGAGAGGCAGA
CGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGTCTGCTGGACAGC
AACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
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3959),f:"Prevotellaceae"(0.1679),g:Prevotella(0.0181);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGGGAGCCTGAACCAGCCATGTAGCGTGCAGGAAGACGGC
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CACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGCAGGCCGCCTGTTAAGCGGGTAGTGAAATGCCGGGGCTCAACGTCGGAAGTGCAGCGCGAACTGGCAGACTT
GAATGCCCAGGCAGTAGGAGGAATTTGTAGTGTAGCGGTGAAATGCTTAGATATTACGAAGAACTCCGATTGCGAA
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>OTU14049;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9168),c:"Bacteroidia"(0.5579),o:"Bacteroidales"(0.
2999),f:"Prevotellaceae"(0.0904),g:Alloprevotella(0.0157);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAAAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
TCTATGGGTTGTAAACTGCTTTTAGTCGGGAATAAAGTTTGGGACGTGTCCCGTATTGTAAGTACCAACAGAATAAGC
ACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAAGATGCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
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cteriaceae(0.1485),g:Eubacterium(0.0326);
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3319),f:"Prevotellaceae"(0.1291),g:Alloprevotella(0.0134);
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nospiraceae(0.1679),g:Lachnospiracea_incertae_sedis(0.0230);
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rionales(0.6509),f:Desulfovibrionaceae(0.3884),g:Desulfovibrio(0.0808);
ACGGAAGGCAGCAGTGGGGGATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGT
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9280),f:"Prevotellaceae"(0.7787),g:Prevotella(0.4787);
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8846),f:Bacteroidaceae(0.5991),g:Bacteroides(0.4351);
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acillaceae(0.7428),g:Lactobacillus(0.3479);
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nospiraceae(0.5991),g:Clostridium_XlVa(0.4351);
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ridiaceae_1(0.5273),g:Clostridium_sensu_stricto(0.2171);
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9940),f:Bacteroidaceae(0.8505),g:Bacteroides(0.7643);
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cteriaceae(0.0086),g:Eubacterium(0.0043);
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cteriaceae(0.0904),g:Eubacterium(0.0181);
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9497),f:"Porphyromonadaceae"(0.9108),g:Butyricimonas(0.8124);
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3639),f:"Porphyromonadaceae"(0.1872),g:Butyricimonas(0.0204);
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riales"(0.1015),f:Sphingobacteriaceae(0.0355),g:Parapedobacter(0.0087);
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riales"(0.0109),f:Sphingobacteriaceae(0.0033),g:Parapedobacter(0.0024);
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cteriaceae(0.0710),g:Alkalibaculum(0.0157);
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8412),f:Bacteroidaceae(0.5991),g:Bacteroides(0.4351);
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9707),f:Bacteroidaceae(0.8505),g:Bacteroides(0.7643);
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nospiraceae(0.4914),g:Clostridium_XlVa(0.1735);
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ridiaceae_1(0.1679),g:Clostridium_sensu_stricto(0.0230);
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2679),f:"Porphyromonadaceae"(0.1098),g:Barnesiella(0.0134);
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9172),f:"Porphyromonadaceae"(0.8505),g:Butyricimonas(0.7162);
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9730),f:Bacteroidaceae(0.9015),g:Bacteroides(0.8605);
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nospiraceae(0.4914),g:Dorea(0.2607);
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nospiraceae(0.1098),g:Parasporobacterium(0.0181);
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nospiraceae(0.0457),g:Clostridium_XlVa(0.0110);
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nococcaceae(0.8146),g:Ruminococcus(0.6200);
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nospiraceae(0.0904),g:Eisenbergiella(0.0134);
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nospiraceae(0.1098),g:Eisenbergiella(0.0157);
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nococcaceae(0.0904),g:Oscillibacter(0.0087);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGAAGAAGGT
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nospiraceae(0.0560),g:Clostridium_XlVa(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATTTTTTCCCCCCTGCTGCCTCGACGCCGCGTGTCTGAAGAAGTCTTT
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nospiraceae(0.3204),g:Blautia(0.0904);
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(0.8520),f:Coriobacteriaceae(0.7068),g:Adlercreutzia(0.0904);
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nospiraceae(0.4224),g:Clostridium_XlVa(0.2171);
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nococcaceae(0.0252),g:Clostridium_III(0.0076);
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_1(0.0000),g:Anoxybacillus(0.0000);
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>OTU14097;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9719),o:Clostridiales(0.8520),f:Peptostreptococcaceae(0.3204),g:Clostridium_XI(0.0904);

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>OTU14095;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Ruminococcaceae(0.0457),g:Ruminococcus(0.0110);

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>OTU14099;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9805),o:"Bacteroidales"(0.9775),f:Bacteroidaceae(0.9015),g:Bacteroides(0.8605);

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>OTU14100;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Eubacteriaceae(0.1679),g:Eubacterium(0.0423);

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>OTU14096;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Clostridiaceae_1(0.0904),g:Caloramator(0.0157);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGCCTTCGGGTTGTAAACTTCTTTCCTTAGGGACGAAGGACGTGACGGTAGCTCATGAGTAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGCTGTCCGGAATTACTGGGCGTAAAGGGAGCGTAGGCGGGTATGTAAGTTGGATGTGAAATCCCCGGGCTTAACCCGGGGACTGCATTCGAAACTGGAGATCTAGAGTGCAGGAGAGGGAAGCGGAATTCCGTGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU14101;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Lachnospiraceae(0.3204),g:Clostridium_XlVa(0.0904);

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>OTU14102;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:"Bacteroidia"(0.4428),o:"Bacteroidales"(0.2039),f:"Prevotellaceae"(0.0904),g:Prevotella(0.0181);

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>OTU14103;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Ruminococcaceae(0.1291),g:Clostridium_IV(0.0110);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGGACGTGACGGTACCTGGAGAAAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGCAGCAAGTCAGGAGTGAAATCCATGGGATTGAGCCATGAAATGCGTTTGAAGCGGTTGTGAGTGAAGATCGGAGAGGCAGGAGGAATTCCGAGGGTAGCGGTGAAGTGCGTAGATAGTAGGAGGAACACCAGTAGCGAAGGCGGCTTGCTGGACGACAACAGACGCTGGGGCGCGAAAGCGTGGGGAGCAGACAGGAATACATACCCTGGTA

>OTU14106;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9474),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4652),f:"Porphyromonadaceae"(0.0904),g:Parabacteroides(0.0181);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGACGAAGGCCCTACGGGTTGTAAACCTCTTTTATAAGGGAATAAAGGGCGCCACGTGTGGCGCATTGCATGTACCTTATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGTGGCTTGTTAAGTCAGAGGTGAAGGTCAGGGGCTCAACCATGGAATTGCCGTTGAAACTGGCGAGCTTGAGTACATAAGGGGAAGGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCAGGAAGAACCCCGATGGCGAAGGCAGCCTGCCAGGCCGTGACTGACACTGATGCACGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU14104;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.9280),f:"Prevotellaceae"(0.8505),g:Prevotella(0.5720);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTCGCGTGCAGGATGACGGTCCTCTGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATAAGGACCGGCTAATTAAGTGCCAGCAGCCGCGGTAATACGGAAGTTCCGGGCGGTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGCTTATAAGCCTGGTGTGAAATGTCGGGGCTCAACCCGGGCAGTGCAGTGCGAACTGGTAGACTTGAGTGCGGAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCGTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCTTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU14105;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9736),c:"Bacteroidia"(0.8472),o:"Bacteroidales"(0.6509),f:"Prevotellaceae"(0.4224),g:Prevotella(0.0904);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGGGAGGCTGAACCAGCCAAGTAGCGTGCGGGACGACGGCCCTATGGGTTGTAAACTGCTTTTGTTGGGGGACAATATGTGCCACGTGTAGCGTATTGCGGGTACCCTATGAATAAGCACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCCGTCGTATAAGCGTGAGGTGAAATGTCGGGGCTCAACCTGGGGATTGCAGCGCGAACTGTGAGACTTGAGTGCGCAGGCAGTGGGAGGAATGTGTGGTGTAGCGGTGAAATGCATAGAGATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU14107;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9987),c:Gammaproteobacteria(0.9740),o:Aeromonadales(0.8520),f:Succinivibrionaceae(0.7068),g:Anaerobiospirillum(0.5239);
ACGGAAGGCAGCAGTAGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCCATGCCGCGTGTGTGAAGAAGGCCTTCGGGTTGTAAAGCACTTTCAGTGGAGAGGAAACACTGACGTTACCCACATAAGAAGCACCGGCTAACTCCGTGCCAGCAGCTGCGGTCATACGGAGGGTGCGAGCGTTAATCGGAATAACTGGGCGTAAATGGCATGTAGGCGGAAAGGTAAGTAGGATGTGAAATACCCGGGCTCAACCTGGGTTGGTCATTCTAAACTGGCTTTCTAGAGTAGTGCAGAGGGAGATGGAATTTCAGGTGTAACGGTGGAATGCGTAGGTATCTGAGAAAACACCAGAGGGGAAGGCGGGCTCCTGGGCGAATACTGACGCTGTGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU14110;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Clostridiaceae_1(0.3884),g:Clostridium_sensu_stricto(0.1299);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGTTTTCTGATTGTAAAGCTCTGTCTTTGGGGAAGATAATGATGGTACGCAAGGAGGGAGCCACGTATAACTACGTGCCAGAAGCCGCGGTAATACGTAGGTGGCGGGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAAGTGGGATGTGAAATGCCCGGGCTGAACCTGGGTGCTGCATTCCAAACTGGTTGACTAGAGTGCGGAGGAGGAGGGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATGAGGAAGAACACCGGTTGCGAAGGCGGCTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU14108;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Ruminococcaceae(0.2184),g:Intestinimonas(0.0230);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTGTCAGGGACGAGAAGAAGACGGTACCTGACGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGGGCATCAAGTCAGTGGTGAAATGGTGTGGCTCAACCATAGCATTGCCGTTGAAACTGATACCCTTGAGTGCAGTAGAGGTATGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCAACTGGGCTTTTACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU14109;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Lachnospiraceae(0.1872),g:Clostridium_XlVa(0.0423);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCGCAGGGGACGAAGGAAGTGACGGTACCCTGTAAGAAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCAAGACAAGTCTGAAGTGAAATGCGGGGGCTCAACCCCTGAACTGCTTTGGAAACTGTGTAGCTAGAGTGCAGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGCGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU14111;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Ruminococcaceae(0.1291),g:Intestinimonas(0.0134);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGCACTAAGGGACGAAGGAACTGACGGTACCTTAGGAGGAAGCCCCGGCTAACTACGTACCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGCTGTCCGGATTTACTGGGTGTAAAGGGCGTGCAGCCGGGTCTGCAAGTCAGATGTGAAATCCATGGGCTCAACCCATAAACTGCAGTTGAAACTGTAGAACTTGAGTGTCGGTGGGGCAAGCGGAATTGCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTAGACGATAACTGACGGTGAGGGGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU14113;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Ruminococcaceae(0.1872),g:Clostridium_IV(0.0134);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTCTTCGGATTGTAAACGTCTTTTATGAGGGAAGAAGGACGTGACGGTACCTCATGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGGATGCAAGTCAGATGTGAAATCTATGGGCTTAACCCATAAACTGCATTTGAAACTGTATCTCTTGAGTGCTGGAGAGGTAGATGGAATTCCTTGTGTAGCGGTGAAATGCGTAGATATAAGGAACAACACCCGCGGAGAACTCCACTCTCTGGACAGTAACCGCTGTTCCGGCCTGCGAGCGTCGGCAGCAAGTAGGATTAGATACCCTGGTA
>OTU14114;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9474),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4652),f:"Porphyromonadaceae"(0.2184),g:Butyricimonas(0.0519);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGAGAGCCTGAACCAGCCAAGTAGCGTGAGGGAAGACTGCTCTATGGCCTGTAAACCTCTTTTGCCAGGGGAGAATAAAAGCTACGTGTACCGCATTGCAAGTACCTCACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTGCGAGCGTTATCCGGATTTACTGGGTTTAAAGGGCGCGTAGGCGGAACGTCAAGCGAGCCGTGAAAGCCTGCGGCTAAACTGTGGCACGCCGTGGGAACTGCTGCCCTCGAGACGGGACGAGGGAGGCGGAACAAGTGGTGTAGCGGTGAAATGCATAGATATCACTTGGAACCCCGATCGCGAAGGCAGCTTCCCGGGCCGTGACTGACGCTGATGCTCGAGGGCGTGAGTAGCAAACAGGATTAGATACCCTGGTA
>OTU14112;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:"Bacteroidia"(0.5579),o:"Bacteroidales"(0.2999),f:Bacteroidaceae(0.1485),g:Bacteroides(0.0326);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTATGTATACTGTTTTGTATGTATTATATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGTGTAGGCGGCTTTATAAGTCTGGAGTGAAAGTCCTGTTTTGAAGATGGGAATTGCTTTGGATACTGTAGGGCTTGAGTGCAGGAGAGGTTATCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGCTCTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU14115;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9321),o:"Bacteroidales"(0.8412),f:Bacteroidaceae(0.4914),g:Bacteroides(0.3043);
CCTTCCTTCAGCAGTTCTTCCTCTTTTTCCCTTTTCTTCCGACTTAACCAGCCATGCCGCGTGAAGGCGACGGCCCTATGGGTCTTAAACTTCTTTTGTCTGGGAGCAATAAGGTGTTCGTGAACACCGATGAGAGTACCAGACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGACGAGCAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGTCAGTCTTGAGTACAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU14119;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9321),o:"Bacteroidales"(0.8412),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0712);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAGGGAATAAATGTGGGTACGCGTACCCGTTTGCATGTACCTTATGAATAAGGATCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAAGGTCCAGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGTGCTTAAGTCAGATGTGAAAGGTTGGGGCTCAACGGTAGAATTGCAGGGGAGACTGGGTGTCTTGAGTGCAGTAGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCGCGAAGAACTCCGATTGCGAAGGCAGCGTGCAGGAGTGTAACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU14117;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Lachnospiraceae(0.0904),g:Clostridium_XlVa(0.0181);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGCGTACCAGGGGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTAAAGCAAGTCGGAAGTGAAAGCCCGCGGCTCAACTGCGGGACTGCTTTGGAAACTGTTTAACTGGAGTGTCGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTAGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU14116;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9762),o:Clostridiales(0.9497),f:Ruminococcaceae(0.8505),g:Pseudoflavonifractor(0.1735);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTATCAGGGACGAAGACAATGACGGTACCTGATGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGCGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGTGTAGGCGGGCTAGCAAGTCAGATGTGAAAACTATGGGCTCAACCCGGAGCCTGCATTTGAAACTGTTGGTCTTGAGTGCTGGAGAGGCAAGCGGAATTCCGAGCGTAGCGGTGAAATGCGTAGATATACGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACAGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU14118;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Clostridiaceae_1(0.1098),g:Clostridium_sensu_stricto(0.0204);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTTTGCAAGTCTGACGTGAAAATCCGGGGCTCAACCCCGGAACTGCGTTGGAAACTGTGAGGCTTGAGTGCCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU14122;tax=d:Bacteria(0.0014),p:"Chlamydiae"(0.0000),c:Chlamydiia(0.0000),o:Chlamydiales(0.0000),f:Chlamydiaceae(0.0000),g:Chlamydia(0.0000);

CCCCCCTTTTCCTCCTCCTTTTTTCTAATAAGTACGCGTTCTTGCAAATCACCAGAAGGCGGTTCCTGAATGAATGGGAAGCCTTCAAGAAGGTGATAAGCAGGAGAAACATACGAAGGCGCATAACGATACCACTGACCCTCAGCAATCTTAAACTTCTTAGACGAATCACCAGAACGGAAAACATCCTTCATAGAAATTTCACGCGGCGGCAAGTTGCCATACAAAACAGGGTCGCCAGCAATATCGGTATAAGTCAAAGCACCTTTAGCGTTAAGGTACTGAATCTCTGTAGTCGCAGTAGGCGGAAAACGAACAAGCGCAAGAGTAAACATAGTGCCATGCTCAGGAACAAAGAAACGCGGCACAGAAGGTTTATAGGTCTGTTGAACACGACCAGAAAACTGGCCTAACGACGTG

>OTU14120;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Eubacteriaceae(0.2184),g:Eubacterium(0.0615);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGTTTTCGGATTGTAAACCTCTGTTTTCGGTGACGAACAAATGACGGTAACCGAGTAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGATAGCAAGTCAGCTGTGAAAACTATGGGCTTCACCCATAAACTGCAGTTGAAAATGTTATTCTTGAGGTGAGTAGAGGGCAGCTGAATTCCCAGGGTAGCGGTGAAATGCGTAGATATTCGGAGGAAAACCAGTGGCGAAGGGCGCTTGCTGGGCTCTTCTGGCGCTTAGGCTCGAAAGGGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU14121;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4812),o:Clostridiales(0.1719),f:Ruminococcaceae(0.0560),g:Intestinimonas(0.0134);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCCTATGGGACGAAGGAAGTGACGGTACCTTAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGACTGGGCGTCAAGGGCGTGTAGGCGGAGGTGCAAGTCAGAAGTGAAATCCACGGGCTTAACTCGTGAACTGCTTTTGAAACTGTACCCCTTGAGTATCGGAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATCTTAGGAGGAACACCAGTGGCGAAGGCGGTCTGCTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU14123;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Ruminococcaceae(0.3204),g:Ruminococcus(0.0904);

ACGGAAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGTCTTCGGATTGTAAAGTTCTTTTAGTAAGGACGATGAAGTGACGGTACTTAATGAATAAGCTCCGTCTAACTACGTGCCAGCCGCCGCGGAAATACGTAGGGATCACGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGAAGAGCAAGTCAAATGTGAAATCCGTGGGCTCAACCCACGAACTGCATTTGAAACTGTTTATCTTGAGAGAAGTAGAGGCAGGCGGAATTCCCTGTGTAGAGGTGAAATGCGTAAAGATAGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTATATCTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU14126;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9441),c:Spirochaetia(0.8189),o:Spirochaetales(0.5766),f:Spirochaetaceae(0.3884),g:Treponema(0.0615);
ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGACGCAAGTCTGACGGAGCGACGCCGCGTGAACGAAGAAGGCCGTACGGTTGTAAAGTTCTTTTGACACTGAAGAATAAGTATTGCAGGGAATGGCGATATGGTGACGGTAGGTTTTGAATAAGCACCGGCTACTTACCTGCCAGCTGCCGCGGTAACACGTAATTTGCGAGCGTTGTTCGGAATTATTGGGCGTAAAGGGCATGTAGGCGGTTTTGCAAGCCTGGTGTGAAATGCATAGGCTCAACCGATGAACTGCATTGAGAACTACAAGACTGGAGTTACGGAGGTGGAACTGGAATTCCAGGTGTAGGGGTGAAATCTGCAGATATCTGGAAGAACACCAATGGCGAAGGCAAGTTTCAAGCAGGTAACTGACGCTGAGGTGCGAAGGTGCGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU14125;tax=d:Bacteria(1.0000),p:Firmicutes(0.3448),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Peptococcaceae_2(0.0252),g:Desulfotomaculum(0.0076);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCGCAGAAGACGAAGGAAGTGACGGTAATCTGTGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGAGCGTAGGCGGTTAATTAAGTTAGATGTGAAATACCCGGGCGTAACTTGGGGGGGGCATTTAATACTGGTTAACTAGAGGACAGGAGAGGAAAGGGGAATTCCTAGTGTTGCGGTGAAATGCATTGGTAATAGGAGGAACATCGGTGGCGAAGGCGGCTTTCTGGACTGACACTGACGCTGAGGCTTGAAAGGGGGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU14124;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Clostridiaceae_1(0.1098),g:Clostridium_sensu_stricto(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGACGGCCTTCGGGTTGGAAACTTCTTTTACCAGGGACGAAGGACGCGACGGTACCTGGAGAAAGAGCCACGGCTAACTACGTGCCACCAGCCGCGGTAATACGTAGGCGGCAAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGTCAATTAAGTTAGATGTGAAATACCCGGGCTCAACTGGGGTGCTGCAGTTCAAACTGGAGGTCTAGAGTGCAGGAGAGGAGAATGGAATTCGTAGTGTAGCGGTGAAATGCGTAGATATTAGGCAGAACACCAGTTGCGAAGGCAGCTCGCGGGACTGTTACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU14127;tax=d:Bacteria(1.0000),p:Firmicutes(0.2586),c:Clostridia(0.0726),o:Clostridiales(0.0473),f:Peptococcaceae_2(0.0113),g:Desulfotomaculum(0.0056);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGGTTTCGGCTCGTAAACCTCTGTCCTATGGGACGAAAGAGATGACGGTACCATAGGAGGAAGCCCCGGCTAACGACGAGCCAGCAGCCGCGGTAATACGTAGGGGGGGAGCGGTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCCGTTAAGTCTGGAGTGAAAGTCCTGCTTTCAAGGTGGGAATTGCTTTGGATCCTGATGGGCTGGAGTGCAGGAGAGGAAAGCGGAATTCCCGGTGTAGCGGTGAAATGCGTCGAGATCGGTAGGACCACCAGTGTCGCAGGCGGCTTTCTAGACTGAACCTGCCGCTGAGGCGCGAAAGCGTGGGGCGCCAACAGGATTAGATACCCTGGTA

>OTU14128;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Clostridiaceae_2(0.0560),g:Tindallia(0.0134);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGGTTTCGGCTCGTAAACCTCTGTCCTATGGGACGAAGGAAGTGACGGTACCATAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGACTGGGCGTAAAGGGTGTGTAGGCGGGCTCGCAAGTTGGATGTGTAATACCCAGAGCTTAACGCGGGTGCTGCATCGGAAACTGCGAGTCTTGAGTGTCGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU14129;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Clostridiaceae_1(0.2524),g:Clostridium_sensu_stricto(0.0712);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGGAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTTCTTCGGATCGTAAACCTCTATCTTCAGGGACGAAAATGACGGTACCTGACTAAGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTATGGGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGAATTGTAAGCGAGATGTGAAATACCCAGGCTCAACCTGGGGCCTGCATTTGAAACTGGAAGTCTAGAGTGCAGGAGAGGCGAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATCAGGAGGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU14133;tax=d:Bacteria(0.0024),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Clostridiales(0.0000),f:Clostridiales_Incertae_Sedis_XI(0.0000),g:Peptoniphilus(0.0000);
ACACAACCTGATTAGCGGCGTTGCCCGATGTCTCCCTCTGAATGCAATGAAGAAAACCCCCCTTACCAGCATTAACCGTCAAACTCTCAAAATATAACGTTGACGATGTAGCTTTAGGTGTCTGTAAAACAGGTGCCGAAGAAGCTGGAGTAACAGAAGTGAGAACCAGCTTATCAGAAAAAAAGTTTGAATTATGGCGAGAAATAAAAGTCTGAAACATGATTAAACTCCTAAGCAGAAAACCTACCGCGCGTCGCTTGGTCAACCCCTCAGCGGCAAAAATTAAAAGTTGTACCGCGTCGGCGTGATAACCTCACACTCAATCTTTTAGCACGTAGTCATGATTGAAGCGCGAGTGGTCGGCAGATTGCGAGAAACGGT
>OTU14132;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Ruminococcaceae(0.0457),g:Ruminococcus(0.0110);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAGTGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCGCAGAAGACGAAGGAAGTGACGGTAATCTGTGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGAGCGTAGGCGGAGATGCAAGTTGGGAGTGAAATCCCGGGGCTCAACCCCGGAACTGCTTTCAAAACTGTATCCCTTGAGTATCGGAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCCTAGATATTAGGAGGAACATCGGTGGCGAAGGCGGCTTTCTGGACTGACACTGACGCTGAGGCTCGAAAGCGTGGGTAGTGAACAGGATTAGATACCCTGGTA
>OTU14131;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Clostridiaceae_1(0.1291),g:Clostridium_sensu_stricto(0.0204);

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ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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ACGGGAGGAAGCAGTGAGGAATATTGGTCGATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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>OTU14135;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.9280),f:Bacteroidaceae(0.6350),g:Bacteroides(0.4787);

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nococcaceae(0.1291),g:Intestinimonas(0.0134);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGG
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nococcaceae(0.2524),g:Clostridium_IV(0.0157);
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acillaceae(0.0000),g:Lactobacillus(0.0000);
AATATCCACCCCACCAGCAGCCGCCTCAGTGACGACCTTAGAACTATCCTTTGCAGTAGCGCCAATATGAGAAGAGCC
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bacteriales"(0.7995),f:Enterobacteriaceae(0.5991),g:Escherichia/Shigella(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
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>OTU14139;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Clostridiaceae_1(0.0560),g:Clostridium_sensu_stricto(0.0134);
ACGGGAGGCAGCAGTAGGGAATATTGGGCAATGGGCGCAAGCCTGATCCAGCAACGCCGCGTGAGGGAAGAAGGC
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ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGT
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GCGCAGACGGGTCGTTAAGTCAGCTGTGAAAGTTTGGGGCTCAACCTGAGAGTTGCAGTTGATACTGGCGTCCTTGA
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8846),f:Bacteroidaceae(0.5632),g:Bacteroides(0.3915);
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ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACACTGATGCAGCGACGCCGCGTGGAGGAAGAAGG
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280),f:Erysipelotrichaceae(0.2524),g:Turicibacter(0.0712);
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bacteriales"(0.1483),f:Enterobacteriaceae(0.0560),g:Xenorhabdus(0.0110);
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8520),f:"Prevotellaceae"(0.3884),g:Prevotella(0.1735);
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nococcaceae(0.3884),g:Pseudoflavonifractor(0.0519);
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6881),f:Bacteroidaceae(0.2184),g:Bacteroides(0.0615);
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rionales(0.2999),f:Desulfovibrionaceae(0.1485),g:Bilophila(0.0326);
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bacterales(0.5766),f:Campylobacteraceae(0.3884),g:Campylobacter(0.1735);
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7995),f:Bacteroidaceae(0.3204),g:Bacteroides(0.0904);
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8520),f:"Prevotellaceae"(0.5632),g:Prevotella(0.0904);
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9730),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);
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bacteriales"(0.5395),f:Enterobacteriaceae(0.3544),g:Escherichia/Shigella(0.0712);
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9606),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);
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1249),f:Bacteroidaceae(0.0149),g:Bacteroides(0.0066);
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4652),f:"Porphyromonadaceae"(0.1291),g:Parabacteroides(0.0204);
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9685),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);
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23),f:Spirochaetaceae(0.3204),g:Treponema(0.0615);
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19),f:Spirochaetaceae(0.1679),g:Treponema(0.0110);
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rionales(0.5023),f:Desulfovibrionaceae(0.3204),g:Desulfovibrio(0.0808);
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CTTCGGATCGTAAACCTCTGTCAGAAGGGAAGAAACTAGGGTGCTCTAATCATCATCCTACTGACGGTACCTTCAAAG
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CTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGC
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nococcaceae(0.0710),g:Clostridium_III(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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AGCAGCCGCTGTAATACGTCGGCTGCAATCGTTGTCCGGATTTACTGGGTGTAAAGGGAGTGTAGGCGGAGATGCA
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CGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAATGGCGAAGGCAGCTTGCTGGACGGC
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>OTU14186;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.
5766),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0808);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGACTGAACCAGCCATGCCGCGTGCAGGACGGAGGT
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GCGTAGATTGATGTTTAAGTGAGTTGTGAAAGGTTGCGGCTCAACGTCTGCACTGCAGCGCGAACTGGTGTCCTTGA
GTACGCACAAAGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGGACTCCGATTGCGAAGG
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>OTU14189;tax=d:Bacteria(0.0024),p:"Proteobacteria"(0.0000),c:Betaproteobacteria(0.0000),o:Burkholder
iales(0.0000),f:Burkholderiaceae(0.0000),g:Burkholderia(0.0000);
TTCTCATCCACCGCCTCTCATCGGTCGTCAGCCAACGTGAGAGTGTCACAACCGATCAACCCACCATCAGCATGAGCC
TGTCGCATTGCATTCATCAAACGCTGAATAGCAAAGCCTCTACGCGATTTCATAGTGGAGGCCTCCAGCAATCTTGAA
CACTCATCCTTAATACCTTTCTTTTTGGGGTAATTATACTCATCGCGAATATCCTTAAGAGGGCGTTCAGCAGCCAGCT
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>OTU14188;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Clost
ridiaceae_1(0.5991),g:Clostridium_sensu_stricto(0.3043);
ACGGGAGGCAGCAGTAGGGAATATTGCACAATGGGGGAAACTCTGATGCAGCAAAGCCGCGTGAGTGATGACGGC
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GCAGCGGCGGTAATATGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGAATTTTAA
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ACGGGAGGAAGAAGGGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGTCCTATGGATTGTAAACTGCTTTTTTCGGGGAATAATAAGACTTTTGCGAAGGTTGATGCAGGTACCCGAAGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATTCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTTAGATAAGTTTGATGTTAAATGCTTATGCTCAACAGGAGTTTGCATTGAAAACTGTCTGACTAGGATGTAAAAGGCGCAGGCGGAATGAATCATGTAGCGGTGACATGCATAGATATGATTCAGAACACCGACCGCGAAGGCAGCTTGCGAGGATACGATTGACGCTGAAGCAAGAAAGAGTGGGTATCGAACAGGATTAGATAAAATGGTA
>OTU14187;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Eubacteriaceae(0.1291),g:Eubacterium(0.0230);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGTTTTCGGATTGTAAACCTCTGTTCTAAGTTACGCAAAAATGACGGTAGCTTAGGAGAAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGAGAAGGCGGAGAAGCAAGTCAGTGGTGAAAACGATGGGCTTAACCCATCGACTGCCATTGAAACTGTTTCCCATGAGTGAAGTAGAGGCAGGCGAAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGAGAAGGCGGCCTGCTGGGCTTTAACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU14193;tax=d:Bacteria(0.0041),p:Firmicutes(0.0000),c:Bacilli(0.0000),o:Lactobacillales(0.0000),f:Enterococcaceae(0.0000),g:Enterococcus(0.0000);
ACCGAACCATACAAAAGCCTCCACGCTTTGGCGGCATGAACACTTACCCTTTGGAGGGTGTCAATCCTGACGGTTATTTCCTAGACAAATTAGAGCCAATACCATCAGCTTTACCGTCTTTCCAGAAATTGTTCCAAGTATCGGCAACAGCTTTATCAATACCATGAAAAATATCAACCACACCAGAAGCAGCATCAGTGACGACATTAGAAATATCCTTTGCAGTAGCGCCAATATGAGAAGAGCCATACCGCTGATGCTGCGTTTGCTGAGGAATTAAGTCAACCTCAGCACGAACCTTGCGAGTCATGTCGGTGATTTG
>OTU14191;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.9606),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGCATACCCGATTGCATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAAGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGTTTGTTAAGTCAGTTGTGAAAGGTTGCGGCTCAACCGTAGAATTGCAGTTGATACTGGAAGTCTTGAGTGCAGTTGAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAGGAACTCCGATTGCGAAGGCAGCCTGCTGTGCTGTAACTGACATTGAGGCTCGAAAGTGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU14192;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9812),o:"Bacteroidales"(0.9798),f:Bacteroidaceae(0.9294),g:Bacteroides(0.9686);

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ACGGCCAATTCCGCGCCAGCAGCCGCGGTAATACGGAGGATCTGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGTAGGTGGACTGGTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTGGAATTGCAGTTGATACTGTCAGTCTTGAG
TACAGTAGAGGTGAGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAGGAACACCGATTGCGAAGGC
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0352),f:"Porphyromonadaceae"(0.0086),g:Barnesiella(0.0043);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCCGATCCAGCCATGCTGCGTGAAGGACTAAGGCC
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GAATGCGGATGCTGTGGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCACTCCGACCACCGAGTGCTAA
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>OTU14195;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Clost
ridiaceae_4(0.0113),g:Thermotalea(0.0056);
CCTTCCTTCCTCCTTTTTTCCTCTTTTTCCCTTGTCGCCCGCCCTCCCCCGCCATGCCGCGTGAGGGAAGAAGGTCTTCG
GATTGTAAAGCTCTTTGATCAGGGACGAACACAATGACGGTACCCGCAGAACAAGCCCCGGCTAACTACGTGCCAGC
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GAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACATCAGTGGCGAAGGCGACTTACTGGACGATAA
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>OTU14196;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Lach
nospiraceae(0.2184),g:Dorea(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCCGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
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1249),f:"Porphyromonadaceae"(0.0457),g:Barnesiella(0.0110);

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1719),f:Bacteroidaceae(0.0355),g:Bacteroides(0.0087);
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acillaceae(0.9015),g:Lactobacillus(0.6200);
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hales(0.0031),f:Thiotrichales_incertae_sedis(0.0009),g:Fangia(0.0009);
GTGTCAGCAGCCGCGGTGATACGAAAAGGGCTAGTGTTATTCGGAATAATTGGGTGTAAAGGGTGAGTAGGCGGTA
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9389),f:"Prevotellaceae"(0.8505),g:Prevotella(0.3043);
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riales"(0.1249),f:Sphingobacteriaceae(0.0457),g:Parapedobacter(0.0087);
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nococcaceae(0.0355),g:Clostridium_IV(0.0087);
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2999),f:"Porphyromonadaceae"(0.1485),g:Barnesiella(0.0181);

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nococcaceae(0.0457),g:Clostridium_IV(0.0087);
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ostreptococcaceae(0.4563),g:Clostridium_XI(0.2607);
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nospiraceae(0.0252),g:Clostridium_XlVb(0.0076);

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0473),f:"Porphyromonadaceae"(0.0086),g:Barnesiella(0.0039);
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ostreptococcaceae(0.3204),g:Clostridium_XI(0.0904);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGGGATGACGGC
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AGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGATTTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAA
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GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCTAAGGCTGCTTTCTGGACTGTAAC
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>OTU14214;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Alphaproteobacteria(0.9755),o:Sphingom
onadales(0.5766),f:Sphingomonadaceae(0.3884),g:Sphingomonas(0.1735);

ACGGGAGGCAGCAGTGGGGAATCTTTTCCCCTTTTCTCCAGCCTGATCCAGCAATGCCGCGTGAGTGATGAAGGCTTT
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GCCGCGGTAATACGGAGGGAGGTAGCGTTGTTCGGAATTAGTGGGCGTAAAGCGCACGTAGGCGGCTTTGTAAGTG
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>OTU14213;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Peptostreptococcaceae(0.3884),g:Clostridium_XI(0.1735);

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>OTU14215;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Clostridiaceae_1(0.2864),g:Clostridium_sensu_stricto(0.0808);

ACAGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATCCGGCAACGCCGCGTGAGTGATGACGGC
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>OTU14216;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9769),o:Clostridiales(0.9606),f:Peptostreptococcaceae(0.6350),g:Clostridium_XI(0.4787);

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>OTU14217;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachnospiraceae(0.3204),g:Syntrophococcus(0.0904);

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>OTU14219;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Rumi
nococcaceae(0.5632),g:Sporobacter(0.0904);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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8303),f:"Prevotellaceae"(0.4224),g:Prevotella(0.1299);
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9),f:Flammeovirgaceae(0.0904),g:Marinoscillum(0.0181);
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>OTU14218;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8628),c:"Bacteroidia"(0.3483),o:"Bacteroidales"(0.
1483),f:Marinilabiliaceae(0.0560),g:Alkalitalea(0.0134);

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>OTU14222;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.8267),c:Spirochaetia(0.5963),o:Spirochaetales(0.33
19),f:Spirochaetaceae(0.1679),g:Treponema(0.0157);
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nostocaceae(0.9876),g:Weissella(0.9818);
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>OTU14226;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8448),c:Sphingobacteriia(0.3483),o:"Sphingobacte
riales"(0.1483),f:Sphingobacteriaceae(0.0560),g:Parapedobacter(0.0087);
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0781),f:Marinilabiliaceae(0.0113),g:Mangroviflexus(0.0056);
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1015),f:"Prevotellaceae"(0.0099),g:Prevotella(0.0046);
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9753),f:"Porphyromonadaceae"(0.9666),g:Butyricimonas(0.9705);
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8303),f:Bacteroidaceae(0.3544),g:Bacteroides(0.1299);
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5023),f:"Porphyromonadaceae"(0.1485),g:Tannerella(0.0204);
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5395),f:Bacteroidaceae(0.1872),g:Bacteroides(0.0519);
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riales"(0.0291),f:Sphingobacteriaceae(0.0073),g:Sphingobacterium(0.0039);
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1249),f:"Marinilabiaceae"(0.0355),g:Anaerophaga(0.0087);
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4652),f:Bacteroidaceae(0.1485),g:Bacteroides(0.0326);
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2679),f:"Porphyromonadaceae"(0.1291),g:Barnesiella(0.0181);
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8629),f:Bacteroidaceae(0.4563),g:Bacteroides(0.2607);
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7623),f:Bacteroidaceae(0.2524),g:Bacteroides(0.0712);
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nospiraceae(0.2524),g:Parasporobacterium(0.0423);
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GTCAGATGTGAAATCCGTGGGCTCAACCCATGAACTGCGTTTGAAACTGTTTTGCTTGAGTGAAGTAGAGGCAGGCG
GAATTCCTGGTGTAGCGGTGAAATGCGTAGAGATAGGGAAGAACACCAGTTGCGAAGGCGGCCCGCAAGGCTTTAA
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>OTU14295;tax=d:Bacteria(0.0041),p:"Proteobacteria"(0.0000),c:Betaproteobacteria(0.0000),o:Ferrovales(
0.0000),f:Ferrovaceae(0.0000),g:Ferrovum(0.0000);
AGACAGGCCGTTTGAATGTTGACGGGCTGAACCTAATAAGCAATGACGGCAGCAATAACCTCAACAGGAGCAGGAA
CGCGAGGGTCTCCTCCCCAGTCCAGCGTACCATAAACGCAAGCCTCAACGCAGCGACGAGCACGAGAGCGGTCAGTA
GCAATCCAAACTTTGTTACTCGTCAGAGAATCGAAATCATCTTCGGTTAAATCCAAAACGGCAGAAGCCTGAATGAGC
TTAATAGAGGCCAAAGCGGTCTGGAAACGTACGGATTGTTCAGTATCTTGACTCATGATTTCTTACATATGAGTGGTT
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>OTU14293;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Lachnospiraceae(0.0457),g:Clostridium_XlVa(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATCCAGCAATGCCGCGTGAGTGATGACGGCCTTCGGTTTGTAAAGCTCTATCTTCAGGGACGAAAATGACGGTACCTGACTAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGATGGAAGATTAAGTCAGTTGTGAAAGTTTGGGGCTCAACCGGAGAACTGCATTGGAAACTGGATAGCTGGAGTGCAGGTGAGGTAGGTGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACGCCGACTGCGAAGGCAGCCTGCTAAGCTGTAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU14296;tax=d:Bacteria(0.9827),p:Firmicutes(0.2586),c:Clostridia(0.1159),o:Clostridiales(0.0547),f:Ruminococcaceae(0.0113),g:Ruminococcus(0.0046);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAACCCTGACGCAGCGACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTTCCAGCAGGGACGAAGTCAGTGGCTGCACCTGCAGAAGAAGTCACGTCTAACCACGTGCCCGCAGCCGGTATAACACGTATGTGGCGAGCGGTATCCGGAATTACTGGGTGTAAAGGGTGTGTAGGCGGGATTGCAAGTCAGGCGTGAAATGCAAAGGCTCAACCATTGAATTGCGCTTGAAACTGTAGTCCTTGAGAGTCGGAGAGGTAAACGGAATTCCTAGTGTAGTAGTGAAATGCGTAGATATTAAGAGGAACACCGGTGGCGAAGGTGGTTTACTGGACGACAACTGACGCTGAGACGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU14294;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.2586),c:Deltaproteobacteria(0.1159),o:Bdellovibrionales(0.0473),f:Bdellovibrionaceae(0.0113),g:Vampirovibrio(0.0056);
ACGGAAGGCAGCAGTAGGGAATTTTGCGCAATGGGCGAAAGCCTGACGCAGCAACGCCGCGTGTGTGATGACGCCCTTCGGGGTGTAAAACACTGTCAGTAGGGACGAAACTTGACGGTACCTACAGAGGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTGTCCGGAATCATTGGGCGTAAAGAGTTCGTAGGTGGTTTGTTAAGTCTGGTGTTAAAGCCCGAAGCTCAACTTCGGTTAGGCATCGGATACTGGCAGGCTAGAATGCGGTAGAGGTAAAGGGAATTCCTGGTGTAGCGGTGAAATGCATAGATATCAGGAGGAACATCGGTGGCGTAAGCGCTTTACTGGGCCGTAATTGACACTGAGGAACGAAAGCCGGGGTAGCAAATAGGATTAGATACCCTGGTA
>OTU14298;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9719),o:"Bacteroidales"(0.8846),f:Bacteroidaceae(0.4914),g:Bacteroides(0.3043);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCCCTACGGATTGTGAACTTCTTTTATAAGGGAATAAAACGCTGCACGTGTGGAGTATTGTATGTACCATATGAATAAGCATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCGGAAGGTTAAGCGAGCTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCGTTTGATACTGGCGATCTTGAGTGCAGTTGAGGTTTGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTAACTAAGCTGTAACTGACGTTCATGCTCGAAGGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU14299;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5023),f:Bacteroidaceae(0.1485),g:Bacteroides(0.0326);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCCCTATGGGTTGTAAACTGCTTTTATACGGGAATAAAGAGCGCGTCGTGACGCTCTCTGCAGGTACCGTACGAATAAGCATCGGCTAACTCCGTTCCAGCAGCCGCGGTAATACGGAAGGTGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCATAGACCGGCTGTTAAGTCTGTTGTGAAAGTTAGGGGCTCAACCGTGAAACTGCAGTGGGAACTGGCGACCTTGAGTGCGGCCGAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCTTGCTGGAGCGTAACTGACGTTGATGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU14297;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Clostridiales_Incertae_Sedis_XIII(0.4224),g:Mogibacterium(0.2171);

ACGGGAGGCAGCAGTAGGGAATCTTGCACAATGGGCGAAAGCCTGATGCAGCAACGTCGCGTGAAGGATGAAGGCCTTCGGGTTGTAAACTTCTGTTCTTAGGGAAGAAGGAAGTGACGGTACCTAAGGAGAAAGCCCCGGTTAACTACGTGCATGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTGCGTAGGTGGTTATCTAAGCGTAAGGTTTAAGCGTGCAGCTCAACTGCATCTCACCGTGCGAACTGGTCTACGTGAGTGCAGGAGGGGAAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATGAAGAGGAACACCAACGGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGCGCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU14300;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5023),f:Bacteroidaceae(0.1485),g:Bacteroides(0.0326);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGAAGACTGCCCTATGGGTTGTAAACTTCTTTTATAAGGGAATAAAGTGCACCACGTGTGGTGTTTTGTATGTACCTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATTCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGCGCGCCAAGTCAGCGGTCAAAGTTCCGGGCTCAACCCGGTGTCGCCGTTGAAACTGGCGTGCTCGAGTGCGTGCGAGGAAGGCGGAATGCGTTGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTGACGGTAGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU14301;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Ruminococcaceae(0.3204),g:Intestinimonas(0.0808);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCCTCGGGTTGTAAACTTCTTTTGTCAGGGACGAAGCAAGTGACGGTACCTGACGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGGGAACGCAGGCAGTGACTTAAGTGAGATGTGAAAGCCCCGAGCTTAACTTGGGAATTGCATTTCATACTGGGTCGCTAGAGTACTTTAGGGAGGGGTAGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGAGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU14302;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Rumi
nococcaceae(0.2184),g:Acetanaerobacterium(0.0519);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGGGAAGACGGT
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GCAAGTCAGAAGTGAAATCCATGGGCTTAACCCATGAACTGCTTTTGAAACTGTTGCCCTTGAGTATCGGAGAGGCA
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>OTU14303;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7497),o:Clostridiales(0.4280),f:Pept
ostreptococcaceae(0.0904),g:Clostridium_XI(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
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GCAGCCGCGGTAATACGTAGGATCCGAGCGTTATCCGGATTTATTGGGTGTAAAGGGTGCGCAGGCGGGCGTCTAA
GTCAGCGGTGAAAGTTCCCGGCTCAACCTGGTCAGTGCCTATGATACTGGGGGCCTAGAATGCGGTCGAGGCCGGC
GGAATTTGGCGTGTAGCGGTGAAATGCATAGATATGAGTCAGAACACCGATCGCGAAGGCAGCTTGCGAGGATACG
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>OTU14305;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.
9389),f:"Prevotellaceae"(0.8864),g:Prevotella(0.5720);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTATGGGTTGTAAATTGCTTTTATAGGGGGATAAAGTGTGCCACGAGTGGCATATTGCAGGTACCCTATGAATAAG
GCACGGCTAATTCCGTTCCAGCAGCCGCGGTAATACTGCAGGTCCGGGCGTTATCAGGAGTTATTGGGTTTAAAGGG
AGCGTAGGCGGTCTTATAAGCGAGTTGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGTAAGACTTG
AGTGCGGAAGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGGTTGCGAAG
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>OTU14304;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Clost
ridiaceae_1(0.4563),g:Clostridium_sensu_stricto(0.0904);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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GCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGCTTGATAA
GTCTGGAGTGAAAGTCCTGCTTTCAAGGTGGGAATTGCTTTGGATACTGTTGGGCTGGAGTGCAGGAGAGGAAAGC
GGAATTACCGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTA
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>OTU14306;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9755),o:Clostridiales(0.9280),f:Clostridiaceae_1(0.5632),g:Clostridium_sensu_stricto(0.3479);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGTCTTCGGGTTGTAAAGCTCTGTCTTTAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGAGTTGTAAGTGAGATGTGAAATACCCGGGCTCAACCTGGGTGCTGCATTTGAAACTGGCATGCTAGAGTGCAGGAGAGGAGAGTGGAATGCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCGCTGGACGGTAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU14307;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Lachnospiraceae(0.1291),g:Pseudobutyrivibrio(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAATGCCGCGTGAGGGAAGACGGTTTTCGGATTGTAAACCTCTGTTTTCGGTGACGAACAAATGACGGTAACCGAGTAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGAATAACTGGGCGTAAAGGGAGCGTAGGTGGTAATTTAAGTTAAATGTGAAAGCCCGGGGCTCAACTCCGGAATTGCATTTAATACTGGGTTACTAGAGTGCAGGAGGGGTAAGCGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU14309;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Ruminococcaceae(0.6709),g:Intestinimonas(0.0808);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTGTTGTCCGGGACGAAACAAATGACGGTACCTGACGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAATGGGCGTGTAGGCGGGAGTGCAAGTCAGATGTGAAAATTATGGGCTCAACCCATACCCTGCATTTGAAACTGTACTGCGTGAGTAATGGAGAGGCAGGCGGAATTCCGTGTGAAGCGGTGAAATACGAAGAGTTACGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACAGCAACTGACGCTGGGGCGCGAAAGCGTGGGGGGCAAACAGGATTAGATACCCTGGTA
>OTU14308;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9776),o:Clostridiales(0.9685),f:Clostridiaceae_1(0.7428),g:Clostridium_sensu_stricto(0.4787);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCGGGAACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGCCGCGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAAGTGAGATGTGAAATACCCGGGCTCGACTTGGGTGCTGCAGTTCAACCGGGAGGTGTAGAGTGCAGGAGAGGAGAATGGAATTCCTGGTGAAGCGGTGAAATGCGTAGAGCTTAGGAAGAACACCGGTGGCGAAGGCGATTCTCTGGACTGTAACTGACGCTGAGGCTCGAGAGCGTGGGGAGCAAACAGGATTAGATACCCGGGTA

>OTU14310;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Clostridiaceae_1(0.5632),g:Clostridium_sensu_stricto(0.3479);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGTTTTCGGATCGTAAAGCTCTGTCTTTGGGGAAGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGTTTCTTAAGTCAGAGGTGAAAGGCTACGGCTCAACCGTAGTAAGCCTTTGAAACTGGGAAACTTGAGTGCAGGAGAGGAGAATGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU14312;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9776),o:"Bacteroidales"(0.9685),f:"Prevotellaceae"(0.6350),g:Prevotella(0.4787);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGTTTGTAAACTTTTTTTTTAAGGGAATAAAAGTGGGTACTCGTACCCGTTTGAACGTACCCTATGTATAAGGAACGGCTAACTCCGTGCCAGAAGCCGCGATCATACGGAGGAACCGAGCGTTATCCGGAATTATTGGGTTTAAAGGGAGCGTAGGCGGGCACTTAAGTCAGCTGTGAAAGTTTGGGGCTCAACCTTAAAATTGCAGTTGATACTGGGTGCCTTGAGTGCAGTATAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCTATTGCGAAGGCAGCTTGCTGGAGTGTAACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU14311;tax=d:Bacteria(1.0000),p:Firmicutes(0.1707),c:Clostridia(0.0626),o:Clostridiales(0.0413),f:Lachnospiraceae(0.0099),g:Dorea(0.0046);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCCTATGGGCTGTGAACAGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACCAGGGGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCTGTGCGTCAAGTCAGGGGTGAAAATCCGGGGCTCAAACCCGGTAGTGCATCTGAAACTGCTTTGCTGGAGTACGGGAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU14313;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Lachnospiraceae(0.4224),g:Clostridium_XlVa(0.2171);
ACGGAAGGCAGCAGTAGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAATGGAGCGTAGACGGCGAAGCAAGTCTGAAGTGAAAACCCAGGGCTCAACCCTGGGAGTGCTTTGGAAACTGTTTTGCTAGAGTGTCGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTCACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU14315;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Lachnospiraceae(0.3544),g:Eisenbergiella(0.0904);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCGGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGTCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGATGCAAGTCTGGAGTGAAAGTCCTGCTTTCAAGGTGGGAATTGCTTTGGATACTGATGGGCTGGAGTGCAGGAGAGGAAAGCGGAATTACCGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU14316;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9784),o:Lactobacillales(0.9606),f:Streptococcaceae(0.8505),g:Streptococcus(0.7643);
ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGGGCAACCCTGACCGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTATTGTAAGAGAAGAACGTGTGTGAGAGTGGAAAGTGCACACAGTGACGGTAACTTACCAGAAAGGGACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTCCCGAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTGGATAAGTCTGAAGTTAAAGGCTGTGGCTCAACCATAGTATGCTTTGGAAACTGTTCGACTTGAGTGCAGAAGGGGAGAGTGGAATTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAGGAACACCGGTGGCGAAGGCGGCTCTCTGGTCTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU14314;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Ruminococcaceae(0.1098),g:Hydrogenoanaerobacterium(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCGCAGGGGACGAAGGAAGTGACGGTACCCTGTAAGAAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGAGTGCAAGTTGAATGTTTAATCTATGGGCTCAACCCATATCAGCGTTCAAAACTGCATTTCTTGAGTGAAGTAGAGGTTGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTTTTACTGACGCTGAGGCACGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU14317;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Ruminococcaceae(0.1872),g:Clostridium_IV(0.0230);
ACGGGAGGCAGCAGTAGGGAATATTGGGCAATGGAGGAAACTCTGACCTAGCAACGCCGCGTGAAGGAAGAAGGTTTTCGGATTGTAAACTTCTATTCTATGGGAAGAAGAAAGTGACGGTACCATAGACGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGATTGCAAGTTGGATGTGAAAACTGCGGGCTCAACCCGGAGAGTGCATTCAAAACTGCGATTCTTGAGTGAAGTAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTTTTACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU14318;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9474),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.3959),f:"Prevotellaceae"(0.1679),g:Alloprevotella(0.0204);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTACGGGTTGTAAACTGCTTTTAGGCGGGGGTAAAGCGCCGTACGTGTTCCGGTATTGCAAGTACCGCCAGAAAAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGAAAGGTTCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGAGTAGGCGGGCTATTAAGTCAGCTGTGAAATCCGTCGGCTCAACCGTCGGACTGCTGTTGATACTGGTGGCCTTGAGAGTGCACAGGGGTGTTGGAATTCATGGTGTAGCGGTGAAATGCTCAAATATTATGAAGAACTCCGGTCGCGAAGGCAGATGCCCGGATCGAATCTGACGCTGAGGCTCGAAAGTGCGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU14321;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9572),c:"Bacteroidia"(0.8048),o:"Bacteroidales"(0.5395),f:"Porphyromonadaceae"(0.1872),g:Parabacteroides(0.0423);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCCGAACCAGCCAAGTCGCGTGAAGGATGAAGGTTCTATGGATTGTAAACTTCTTTTGTCCGAGGGTAAAAAAGGCTACGTGTAGCTGCTTGCAAGTATCGGACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGTGGTTTGTTAAGTATGTGGGAAAAGCGGGCGGCTAAACCGTACAATGCCGTGGAAACTGGCGAACTTGAGTGCAGTCGAGGTAGGCGGAATGCGTTGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACCCCGATTGCGAAGGCAGCTTACCAGGATGCAACTGACACTGAGGCACGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU14320;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Eubacteriaceae(0.1872),g:Eubacterium(0.0519);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGTAGGCTAAGTTGGATGTGAAATACCTGGGCTTAACTTGGGGGCTGCATTCAAAACTGGTTTACTAGAGTTCAGGAGAGGGAAGCGGAATTCCTAGTGTAGCGGTAAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGATCTACTGGACGATAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU14319;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Ruminococcaceae(0.2184),g:Butyricicoccus(0.0615);

ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGGGGCAACCCTGACGCAGCCACGCCGCGTGATTGAAGAAGGTCTTCGGATTGTAAAAATCTTTTATCAAGGACGAAGAAGTGACGGTACTTGATGATTAAGCTCCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAGGCGTTATCCGGATTTACTGGGTGTAAAGGGCCAGTAGGCGGATTGGCAAGTTGGGAGTGAAATGTCGGGGCTTAACCCCGGAACTGCTTCCAAAACTGGTGAGCTTGAGTGATGGAGAGGCAGGCAGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTTGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACATTAACTGACGCTCAGGAGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU14322;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9719),o:"Bacteroidales"(0.8846),f:"Prevotellaceae"(0.6709),g:Prevotella(0.4351);

ACGGGAGGCAGCAGTGAGGAATATTGCTCAATGGGCGAGAGCCCGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAATTGCTTCTATAAGGGAATAAAGTGAGTCTCGTGAGACTTTTTGCATGTACCTTATGAATAAGGCCCGGCTAATTCCGTGACAGCAGTCGCGGTAATACGGAAGGGTCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGGAGATTAAGCGTGTTGTGAAATGTAGACGCTCAACGTCTGCACTGCAACGCGAACTGGTTTCCTTGAGTACGCGCAAGGTAGGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACACCGATTGCGAAGGCAGCTCACTGGAGCACAACTGACGCTGAGGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU14323;tax=d:Bacteria(0.0058),p:"Proteobacteria"(0.0000),c:Deltaproteobacteria(0.0000),o:Desulfovibrionales(0.0000),f:Desulfohalobiaceae(0.0000),g:Desulfovermiculus(0.0000);

GGCGTGTGAATCATTAGCCTTGCGACCCTCGGCAGCAAGAACCTTACGCCCAATATCACGAACATAGTCACGCAACGCATTGGGCTTATCCTCAAACGCCTCTAATCGGTCGTCAGCCAACGTGAGAGTGTCAAAAACGATAAACCAACCATCAGCATGAGCCTGTCGCATTGCATTCATCAAACGCTGAATAGCAAAGCCTCTACGCGATTTCATAGTGGAGGCCTCCAGCAATCTTGAACACTCATCCTTAATACCGTTCTTGTTGGGGTAATTAGACTCATCGCGAATATCCTTAAGAGGGCGTTCAGCAGCCAGCTGGTGGCAAAACTGCGTAACCGTCTTCTCGGTCTCTAAAAACCATTTTT

>OTU14326;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9719),o:"Bacteroidales"(0.8846),f:"Prevotellaceae"(0.5991),g:Prevotella(0.1735);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATACGGGAATAAAGTGATGCCTGCGGGCGTTATTGCATGTACCGTACGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCTGTCCTTTAAGCGTGTTGTGAAATGTAGGCGCTCAACGCCTGCACTGCAGCGCGAACTGAAGGACTTGAGTGTGCACGACGCTGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAAATATCACGAAGAACTCCGATTGCGAAGGCAGCTGGCGAGAGCACAACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU14324;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9762),o:Clostridiales(0.9280),f:Peptostreptococcaceae(0.4224),g:Clostridium_XI(0.2171);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCTTCAAGGAAGATAATGTCGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGAGGTAATACGGAGGGGGCTAGCGTTATTCGGATTTACTGGGCGTAAAGGGTGAGTAGGCGGTCTTTTAAGTCAGAAGTGAAAGGCTACGGCTTAACCGTAGTAAGATTGTGAAAATGGAGGACTTGAGTGCAGGAGAGGAGAGTGGAATTACTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGTAGCGAAGGCGGCTCTCTGGACTGTAACTAACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU14325;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9802),c:"Bacteroidia"(0.7114),o:"Bacteroidales"(0.4280),f:"Prevotellaceae"(0.1872),g:Prevotella(0.0134);

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GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCTGTTTATTAAGCGTGTTGTGAAAAACCCGTGCTAAACATGGGTCGGGAAGCGCGAACTGGTGACCTTG
AGAGAGGATGCGGTATGCGGAATTTGTGGTGTGGCGGTGAAACGCTAGGTTATACCGAAAAACTCCGATGGCGAAG
GAAGCATGCCAGGCCGTTACTGACGCTGAAGCTCGAAGGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU14327;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Clostridiaceae_1(0.5632),g:Clostridium_sensu_stricto(0.3479);
ACGGGAGGCAGCAGTGGGGAATATTGCTCAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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GGAATTCCTGGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTTGCGAAGGCGATTCTCTGGACTGTA
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>OTU14329;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Ruminococcaceae(0.0355),g:Saccharofermentans(0.0087);
CCTTCCTTCCTCCTTCTTTCCTCTTTTCCCCTTTCTTTCCCTCTGCTCCCTTGACGCCGCGTGAAGGAAGAAGGTCTTCGG
ATTGTAAACTTATTTTGTCAGGGAAAAATAAAATGATGGTACCTGAAGAAAAAGCACCGGCCAACTACGTGCCAGCA
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>OTU14328;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Negativicutes(0.8189),o:Selenomonadales(0.5766),f:Veillonellaceae(0.3884),g:Mitsuokella(0.0904);
ACGGGAGGCAGCAGTGGGGAATCTTCCGCAATGGGCGCAAGCCTGACGGAGCAACGCCGCGTGAGTGAAGAAGGG
TTTCGACTCGTAAAGCTCTGTTGTCGGGGACGAATGTGGAGATGGTGAATAACCATTTTCAATGACGGTACCTGACG
AGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGAATTACTGGGTG
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GGTA
>OTU14330;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Ruminococcaceae(0.2864),g:Papillibacter(0.0423);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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CCAGCAGCCGCGGTAATACGTCGGTTGCATGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGATG
CAAGTTGGGAGTGAAATCCATGGGCGAAACCCATGAACTGCGCTCACAACTGTATCTCTTGAGTATCGGAGAGGCAG
GCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGA
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>OTU14331;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8808),c:Sphingobacteriia(0.4428),o:"Sphingobacte
riales"(0.2039),f:Sphingobacteriaceae(0.0904),g:Olivibacter(0.0110);
ACGGAAGGCAGCAGTAAGGGATATTGGTCAATGGGCGGGAGCCTGAACCAGCCATGCCGCGTGAGGGAATGAGGC
CCTACGGGTCGTAAACCCTTTTTGCCGGGGGATAACGGGCGCCACGTGTGGCGCCGTGAAGGTACCCGGAGAATAA
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>OTU14332;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9755),o:Clostridiales(0.9389),f:Clost
ridiaceae_1(0.3544),g:Clostridium_sensu_stricto(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGT
CTTCGGATTGTAAACCTCTGTCTTTGGGGACGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCA
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nococcaceae(0.0904),g:Clostridium_IV(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
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>OTU14334;tax=d:Bacteria(1.0000),p:Firmicutes(0.2586),c:Bacilli(0.1159),o:Lactobacillales(0.0547),f:Lactob
acillaceae(0.0149),g:Lactobacillus(0.0066);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGT
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AGCGCAGGCGGAAAGATAAGTCTAATGTGAAAGCCCGGGGCTTAACCGCGGAACTGCATCTGAAACTGTTTTTCTAG
AGTGTAGAAGAGGAGGGTGGAATGTAATGTGTAGCGGTGGAATGCGTAGAGATATGGAAGAACACCAGTGGCGAA
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ACGGGAGGCAGCAGTCGGGAATATTGCGCAATGGAGGAAACTCTGACGCAGTGACGCCGCGTCTAGGAAGAAGGT
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>OTU14333;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Clostridiaceae_1(0.2864),g:Clostridium_sensu_stricto(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCCACGCCGCGTGAGTGATGAAGGC
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>OTU14337;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Ruminococcaceae(0.0904),g:Faecalibacterium(0.0181);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGTAGGAAGACGGC
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ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAAAACGTAGGTTACAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGA
GCGCAGGCGGGAAGGCAAGTTGGAAGTGAAATCCATGGGCTCAACACATGAACTGCTTTCAGAACTGTTTTTCTTGA
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>OTU14338;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9820),o:"Bacteroidales"(0.9821),f:"Porphyromonadaceae"(0.9852),g:Butyricimonas(0.9743);

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ridiaceae_3(0.0710),g:Caloranaerobacter(0.0157);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGT
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nospiraceae(0.0904),g:Blautia(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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nococcaceae(0.0904),g:Clostridium_IV(0.0134);
ACGGGAGGCAGCAGTGGGGAATATTGGGCGATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGG
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5766),f:"Prevotellaceae"(0.2184),g:Alloprevotella(0.0519);

ACGAAGGCAGCAAGGAGGAATATTGGACAATGGACGCAAGTCTGAACCAGCCAAGTAGCGTGCAGGATGCCGGCC
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GGACCTGCTAAATCCGTGCCAACAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGG
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nococcaceae(0.0560),g:Clostridium_IV(0.0087);
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acillaceae(0.7068),g:Lactobacillus(0.3479);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGTCGCGTGAGTGAAGAAGGTT
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nospiraceae(0.3544),g:Clostridium_XlVa(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTA
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>OTU14347;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:"Bacteroidia"(0.1740),o:"Bacteroidales"(0.
0781),f:Marinilabiliaceae(0.0099),g:Mangroviflexus(0.0046);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCAAGTCGCGTGCAGGACGAAGGC
CCTATGGGTTGCAGACTGCTTTTACATGAGAATAAAAAGTGGCACGAGTCCCACCCTGTAGGTACCTTGTGAATAAG
GATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAAGATCCGAGCGTTATCCGGATTCATTGGGTTTAAAGGG
TGCGCAGGCGGGCATGTAAGCCTGAGGTGAAAGGCGGGTGCTCAACGGCAGAGGTGCCGCGGGAACTGCAGGTCT
TGAGTCGTGACGAGGGTGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATAGTACGCAGAACGCCGATTGCGA
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>OTU14346;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Rumi
nococcaceae(0.3204),g:Hydrogenoanaerobacterium(0.0423);
ACGGGAGGCAGCAGTGGGGAATACTGGTCAATGGGGGAAACCCTGAACCAGCGACGCCGCGTGAGGGAAGACGGT
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GCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTT
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>OTU14348;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Lach
nospiraceae(0.4563),g:Clostridium_XlVa(0.1299);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTT
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CAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGCAAG
TCTGAAGTGAAAGCCCGGGGCTTAACCCAGGGACTGCTTTGGAAACTGTATAGCTTGAGTGCAGGAGAGGTAAGCG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGCAA
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2999),f:"Porphyromonadaceae"(0.1098),g:Parabacteroides(0.0181);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAGGGATGACGGC
CCTACGGGTTGTAAACTTCTTTTATATAGGAATAAAGGACATCACGTGTACTGTTTTGCATGTATCTTATGAATAAGCA
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CGTAGGTTGACGGTTAAGTCAGTGGTGAAAGTCAGTGGCTCAACCATTGAACTGCCGTTGAAACTGGTTGGCTTGAG
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>OTU14349;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Rumi
nococcaceae(0.1098),g:Sporobacter(0.0134);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAATCCTGACCAAGCAACGCCGCGTGATGGAAGAAGGC
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CCAGCAGCCGCGGTCATACGTAGCTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGGGTAGGCGAGAGAG
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CGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACGAC
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nococcaceae(0.0904),g:Intestinimonas(0.0181);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGGAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGT
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bacterales(0.9606),f:Helicobacteraceae(0.9108),g:Helicobacter(0.7162);
ACGGGAGGCAGCAGTAGGGAATATTGCGCAATGGGGGAAACCCTGCAGCAGCAACGCCGCGTGGAGGATGAAGGT
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>OTU14355;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Lach
nospiraceae(0.0252),g:Lachnospiracea_incertae_sedis(0.0076);
CCTTTCTTCCTCCTTTTTGCCTCTTTCCCCCTGTCTTCCACTCTGATGCAGCGACGCCGCGTGAAGGATGAAGTATTTCG
GTATGTAAACTTCTGTCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGC
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>OTU14353;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Pept
ococcaceae_1(0.0560),g:Syntrophobotulus(0.0134);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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CAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCTGA
TAAGTCTGGAGTGAAAGTCCTGCGTTCAAGGTGGGAATTGCGTTGGATACTGTTGGGCTGGAGTGCAGGAGAGGAA
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>OTU14352;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Clostridiaceae_3(0.0355),g:Caloranaerobacter(0.0087);

GTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGCGTGTAGGCGGC
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GGGAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTCCTG
GACTGTAACCGACGCTGATGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTAGTCCACGCCCTAAACG
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>OTU14356;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Ruminococcaceae(0.0355),g:Intestinimonas(0.0076);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
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CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGTGTAAAGGGCGCGTAGGCGGGACGTC
AAGTCAGCGGTAAAAGACTGCAGCTAAACTGTAGCACGACGTTGAAACTGGCGGCCTGGAGACGAGACGAGGGAG
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>OTU14357;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachnospiraceae(0.4563),g:Clostridium_XlVa(0.2171);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
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CAAGTCTGGAGTGAAAGCCCGGGGCCCAACCCCGGGACTGCTTTGGAAACTGTGCTGCTGGAGTGCAGGAGAGGTA
AGTGGAATTCCTAGTGTAGCGGCGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGATTACTGGAC
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>OTU14360;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9321),o:"Bacteroidales"(0.8412),f:"Prevotellaceae"(0.5632),g:Prevotella(0.0808);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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>OTU14358;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Rumi
nococcaceae(0.2184),g:Anaerotruncus(0.0204);
CCTTTCTTCCTCCTTTTTTCCTATTGCCACCTGGTCGACAGCCTGATGCAGCGACGCCGCGTGAGGGAAGAAGGTTTTC
GGATTGTAAACCTCTGTCTTCGGTGACGAAAACGACGGTAGCCGAGGAGGAAGCCACGGCTAACTACGTGCCAGCA
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>OTU14359;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9762),o:Lactobacillales(0.9280),f:Lactob
acillaceae(0.8146),g:Lactobacillus(0.5239);
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GTA
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ellales(0.8520),f:Pasteurellaceae(0.7068),g:Actinobacillus(0.1735);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCCATGCCGCGTGAATGAAGAAGGC
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>OTU14364;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9540),c:"Bacteroidia"(0.4428),o:"Bacteroidales"(0.2039),f:"Prevotellaceae"(0.0252),g:Prevotella(0.0066);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGTGGGACGAATGCCCTATGGGTTGTAAACCACTTTTGCAGGAGGGTAAAATGCTTCACGTGTGGAGTATTGCAAGTATCCTGCGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGGAGTCAAGTCAGTTGTGAAAAGCCGCGGCCCAACCGTGGTCGTGCAGTTGAAACTGGTTCTCTTGAGTGCGCACGAGGACGGTGGAATTCGTGGTGTAGCGGTGAAATGCTTAGTTATCACGCAGCACCCCGATTCCGCACGCAGCCCCCCCGCGCGTTCCGGACTGTGAATCTTCAAGTCTTTGGTCCCACCCAGGATCAGTAACCGGGGTA

>OTU14363;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Ruminococcaceae(0.3884),g:Oscillibacter(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTTTCAGGGACGAGTAGAAGACGGTACCTGACGATTAAGCTACGGCTAACTACGTGCCAGCAGCCGCTGTAATACGTAGCTGGCAAGCGTTGTCCGGATTTACTGGGTGCAAAGGGCGTGTAGCCGGAAGGGCAAGTCAGATGTGAAATCCACGGGCTCAACACGCGAACTGCATTGGAAACTACTCTGCTTGAGTATCGGAGAGGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGGCGACAACTGACGGTGAGGCGCGAAAGTGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU14362;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.2586),c:"Bacteroidia"(0.0726),o:"Bacteroidales"(0.0473),f:"Porphyromonadaceae"(0.0099),g:Barnesiella(0.0046);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGCCCTACGGGTCGTAAACTTCTTTAAACGCAGAGCAATAAGGTCCACGTGTGGACCGATGAGAGTATGCGTAGAATAAGCATCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGGGGTTGCGAGCGTTATCCGGATTCATTGGGTGTAAAGGGTGCGTAGGCGGCCGAGTAAGTCAGCTGTGAAAGACCCGGGCTCAACTTGGGAAGTGCAGTTGATACTGTTTGGCTAGAATGATCGCGCGGCGGGTGGAATGAGTGGTGTAGCGGTGAAATGCGTAGAGATCACGCAGAACACCGATTGCGAAGGCGTCTCGCGAGGGTGCAATTGACGCTGAGGCACGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU14365;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Ruminococcaceae(0.5991),g:Intestinimonas(0.0904);

ACGGGAGGCAGCAGTGGGGAATATTGGTCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTCTCGGGTTGTAAACTTCTTTTCTTAGGGACGAAGCAAGTGACGGTACTTAAGGAATATGCGACGGCTATGTACGTGCCAGCAGCCGCTGTAATACGGAGGGCGCAAGCATTATCCGGATTTACGGGGTGTACAGGGCGTGTAGGCGGGAGTGCAAGTCAGATGTGAAAACTATGGGCTCAACCCATGGCCTGCATTTGAAACTGTACTTCTTGAGTACTGGAGAGGCAGGCGGAATTCCGTGTGTAGCGGTGAAATGCGTAGATATACGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACAGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU14366;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Bacilli(0.6730),o:Lactobacillales(0.3959),f:Lactobacillaceae(0.2184),g:Lactobacillus(0.0615);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTAGAGAAGAACGTGCGTGAGAGCAACTGTTCACGCAGTGACGGTATCTAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGTTGCTTGTAAAGTCAGCGGTGAAAGTCAGTGGCTCAACCATTGAATTGCCGTTGAAACTGGTGAGCTTGAGTACGTACGGGGCAGGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACCCCGATCGCGAAGGCATCTGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA

>OTU14368;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.9063),f:Bacteroidaceae(0.5991),g:Bacteroides(0.4351);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAATGCCCTATGGGTTGTAAACTTCTTTTATACGGGAATAAAGTGAAGTATGTATACCTTTTTGTAGGTATTGTATGAATAAGGATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGTTAAGTCATGTGTGAAAGTTTGCGGCTGAACCGTAAAATTGCATTTGATACTGTCAGTCTTGAGTACAGTCGAGGTTGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGATTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU14367;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Clostridiales_Incertae_Sedis_XIII(0.0457),g:Mogibacterium(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGCACACTGGGGGAAACCCGGATGCGGCAACGCCGCGTGAAGGATGAAGGCCCTTGGGTCGTAAACTTCTGTTCTAAGGGAAGATAACGACGGTACCTTAGGAGCAAGTCCCCGCTAACTACGTGCCAGCAGCCGCGGTAATACGTATGGGGCAAACGTTATCCGGAATTAGTGGGCGTAAAGCGTACGTAGGTGGTTACCTAAGCAGGGGGTTTAAGGCAATGGCTTAAACATTGTTCGCCCCCTGAACTGGGCTACTTGAGTGAAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGCGAAATGCGCAGATATTAGGAGGAACCCAAGTGGCGAAGGCGGCTTTATGGACTGTAACTGACACTGAGGTACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU14369;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9740),o:Lactobacillales(0.8955),f:Lactobacillaceae(0.7428),g:Lactobacillus(0.3043);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTAGGGAAGAACGTGCGTGAGAGTAACTGTTCATGCAGTGACGGTATCTAACCAGAAAGTCACGGCTAACTAAGTGCCAGCAGCCGCGGTAATAAGTAGGTGGCAAGCGTTATCCGGACTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTGATATGTTTGATGTGAAAGCCTATGGCTCAACAAAGGAAGTGCGTCTGAAACTGTCAGACTTGAGTGCAGAAGAGGACAGTGGAACTCCAGGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCGGTG

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s(0.0000),f:Neisseriaceae(0.0000),g:Eikenella(0.0000);
AGCTTGATGCGGTTCTCCATCTGCTTATGGAAGCCAAGCATTGGGGATTGAGAAAGATTAGAAATGCCACAAGCCTC
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rionales(0.5395),f:Desulfovibrionaceae(0.3204),g:Desulfovibrio(0.0808);
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1015),f:"Porphyromonadaceae"(0.0355),g:Barnesiella(0.0087);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGACTGAACCAGCCAAGTCGCGTGAAGGAAGGAGGT
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es(0.0352),f:Anaplasmataceae(0.0086),g:Ehrlichia(0.0043);
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3319),f:Bacteroidaceae(0.1098),g:Bacteroides(0.0204);
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ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGTTGCAAGCGTTGTCCGGATTTATTGGGTTTAAAGGGC
GGGTAGGCGGACGTTCAAGTCGGTTGTGAAATTCCGGGGCTCAACCCCGAAATTGCAGTTAAAACTGTATGCCTTGA
GTATCGGAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATCAGGAGGAACACCAGTGGCGAAG
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>OTU14402;tax=d:Bacteria(0.0014),p:Candidatus_Saccharibacteria(0.0000),g:Saccharibacteria_genera_inc
ertae_sedis(0.0000);
ACACTTTGTTACTCGTCCGAACATCGCAATCCTCTTCGGTTACTTCCCCAACGGCAGACGCCTGACTGAGCTTAATAGA
GGCCAACGCGGTCTGGAAACGTACGGATTGTTCAGTAACTTGACTCATGATTTCTTACCTATTATTGGTTGAACAGCA
TCGGACTCAGATAGTAATCCACGCTCTTTTAAAATGTCAACAAGAGAATCTCTACCATGAACAAAATGTGACTCATATC
TAAACCAGTCCTTGACGAACGTGCCAAGCATATTAAGCCACTTCTCCGCATCCAACGCGTCAGGTTATGACAGAAGAG

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CAGCAGTCCACT
>OTU14401;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Lach
nospiraceae(0.2524),g:Parasporobacterium(0.0423);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGACTGAAGAAGGA
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GAAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGTGGTAAGGCA
AGCCAGAAGTGAAAGCCCGGGGCTCAACCCCGGGAACTGCTTTTGGAACTGTCGAACTAGAGTGCAGAAGGGGCAA
GCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCAGCTTGCTAGACTG
TAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU14403;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5579),o:Clostridiales(0.2679),f:Rumi
nococcaceae(0.1098),g:Ruminococcus(0.0181);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGCGCAACCCCGACCCAGCAATGCCGCGTGAGTGATGAAGGC
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AGCAGCCGCGGTTATACGTAGGGCGCAAGCGTTGTCCGGATTTATTGGGTGTAAAGGGTGCGTAGGCGGCAGAGCA
AGTCAGATGTGAAATCCGTGGGCTTAACCCAGGAATTGCATTTAAAACTGTTTATCTTGAGTGTGGTAGAGGCAAGC
GGAACTCCCTGTGTAGCGGTGAAATGCGTAGAGATAAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTA
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>OTU14406;tax=d:Bacteria(0.0041),p:"Bacteroidetes"(0.0000),c:Sphingobacteriia(0.0000),o:"Sphingobacte
riales"(0.0000),f:Chitinophagaceae(0.0000),g:Flavihumibacter(0.0000);
CCTCGGCAGCACGACCCATACGACCCCTATCACGAACATAGTCACGCCAAGCATTGGGCTTCTCATAAAACGCCTCTC
ATCGGTCGTCAGCCAACGTGAGAGTGTCAAAAACGATAAACCAACCATCAGCATGAGCCTGTCGCATTGCATTCATCA
AACGCTGAATAGCAAAGCCTCTACGCGATTTCATAGTGGAGGCCTCCAGCAATCTTGAACACTCATCCTTAATACCTTT
CTTTTTGGGGTAATTATACGCAGCGCGAATATCCTTAAGAGGGCGTGCAGCAGCCAGCGGGCGGCAAAACTGCGGA
ACCGTCTTCTCGGGCTCGAA
>OTU14404;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Clost
ridiaceae_1(0.7068),g:Clostridium_sensu_stricto(0.4351);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCCGATGCAGCAAAGCAGCGTGAGTGATGACGGC
CTTCGGGTTGTTAAGCTCTGTTTTCAGGGACGATAATGTCGGTACCTGAGGAGGAAGCCACGGCCAACTACGTGCCA
GCAGCCGCGGCAATACGCAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACGTTTAA
GTGAGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCATTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGGAT
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTA
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>OTU14405;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Rumi
nococcaceae(0.3544),g:Ruminococcus(0.0904);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCCGACGCAGCAACGCCGCGTGAACGATGAAGGT
CTTCGGATTGTAAAGTTCTTTTATTAAGGACGAAGAAGTGACGGTACTTAATGAATAAGCTCCGGCTAACTATGTGCC
AGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGATGTTTA
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GGAATTCCCTGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTA
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>OTU14407;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9474),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.
4652),f:"Prevotellaceae"(0.1872),g:Alloprevotella(0.0204);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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GGACCGGCTAATTGCGTGCCAGCAGCCGCGGTAATACGGAAGGTTCAGGCGTTATCCGGCTTTATTGGGTTTAAAGG
GAGCGTAGGCGGGCTATTAAGTCAGATGTGAAATCCCGCGGCTCAACCGTCGGCCTGCTGTTAAAACTGGTAGCCTT
GAGTGCGCGCAGGGACGTTGGAATTCATGGTGTAGCGGTGAAATGCTCAGATATCATGAAGAACACCGGTCGCGAA
GGCAGATGCCCGGAGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU14409;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Lach
nospiraceae(0.5273),g:Coprococcus(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAACCCTGATTCAGCTACGCCGCGTTAGCGAATAAGTATT
TCGGTATGTCAAGCTCTATCAGCAGGGAAGAAAATGAACGTACCTGAATAAGAAGCACCGGCTAAATACGTGCCCGC
AGCCCCGGTAATACGTATGGTGCAAGCGTTATCCGGATTTAATGGGTGTAAAGGGAGCGTAGACGGCTGTGTAAGTC
TGAAGTGAAAGCCCGGGGCTCAACCTCGGGACTGCTTTGGAAACTATGCCGCTAGAGGGTCGGAGGGGTAAGTGGA
ATTCCCAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATAACT
GACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU14408;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Lach
nospiraceae(0.1679),g:Clostridium_XlVa(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGACTGAAGAAGTC
TTTCGGGATGTAAAGGTCTATCAGCAGGGAAGATAATGACAGTACTGGACGAAGAAGCTCCGGCTAACTCCGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATTCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGTAA
GTCTGATGTGAAAGCCCGGGGCTCAACCCCGGGACTGCCTTTGAAACTATGTGGCTAGAGTGCCGGAGAGGTAAGT
GGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTG
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>OTU14411;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Rumi
nococcaceae(0.3884),g:Ruminococcus(0.1735);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCCACGCCGCGTGAACGATGAAGGT
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TCAGCCGCGTTAATACGTAGGGCGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTTCGTAGGCGGCAGAGCAA
GTCAGATGTGAAATCCGTGGGCTTAACCTACGAACTGCATTTGAAACTGGTTTGCTTGAGTGAAGTAGAGGCAGGCG
GAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGACTGCTGGGCGTTA
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>OTU14413;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9762),o:"Bacteroidales"(0.
9497),f:Bacteroidaceae(0.6709),g:Bacteroides(0.5239);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGACTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
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TGCAGTTGATGCAGGCGGAATTCGTGCTCTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCTATTGCGAATGCA
GCCTGCTAAGCTGCAACTGATATTGAGGCTCGAAAGTGTGGGTATCAAACAGGCTTAGATACCCTGGTA
>OTU14410;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Rumi
nococcaceae(0.1485),g:Intestinimonas(0.0204);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
TTTCGGGTTGTAAACTTCTTTTGTCAGGGACGAGTAGAAGACGGTACCTGACGAATAAGCCACGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTTGATC
AAGTCTGATGTGAAAGCCCGGGGCCCAACCCCGGGACTGCATTGGAAACTGAATAGCTGGAGTGCAGGAGAGGTAA
GTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTGGGAGGAACACCAGTGGCGAAGGCGACTTACTGGGCCG
TAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU14412;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Clost
ridiaceae_2(0.2184),g:Alkaliphilus(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAAAGGCTACGGC
TCAACCGTAGTAAGCCTTTGAAACTGGGAAACTTGAGTGCAGGAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAA
ATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGATAACTGACGCTGAGGCGCGAAAGC
GTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU14415;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.8448),c:Spirochaetia(0.6346),o:Spirochaetales(0.36
39),f:Spirochaetaceae(0.1872),g:Treponema(0.0230);

ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGGGGAAACCCTGACGGAGCGACGCCGCGTGGACGATGAAGGC
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GAATAAGCCCGGGCTAATTACGTGCCAGCAGCCGCGGTAACACGTAAGGTGTGAGCGTTGTTCGGAATCAATGGGC
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GCAGGCTAGAGTCGCGGAGAGGGAACCGGAATTCCTGGTGTAGGGGTGAAATGGGTAGATATCAGGAAGAACACC
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CCTGGTA

>OTU14414;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Rumi
nococcaceae(0.4563),g:Oscillibacter(0.0519);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
TTTCGGGTTGTAAACTTCTTTTGTCAGGGACAAGTAGATGACGGTACCTGGCGATTAAGCCACGGCTAACTACGTGCC
AGCAGCCGAGGTCATACGTACGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGAGGGCA
AGTCAGATGTGAAATCCACGGGCTCAACCCGTGAATTGCATTGGAAACTACTCTTCTTGAGTATCTGAGAGGCAATCG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGATTGCGAGACGACAA
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>OTU14416;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9861),o:Lactobacillales(0.9063),f:Lactob
acillaceae(0.8146),g:Lactobacillus(0.4787);

ACGGGAGGCAGCAGTAGGGAATTTTGCTCAAATGGCGCAAGCCTGACGGAGCAACACCGCGTGAGTGAAGAAGGG
CTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGGGAGAGTAACTATTCACGCAGTGACGGTATCCAACCA
GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTA
AAGCGAGCGCGGGCGGTTGCTTAGGTCTGATGTGAAAGCCTTCGGCTTAACCGAAGAAGTGCATCGGAAACCGGGC
GACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATCGAAGAACACCGATG
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>OTU14418;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Euba
cteriaceae(0.1098),g:Eubacterium(0.0204);

ACGGGCAGCAGTGGGGAATATTAGGCCATGGGGGACACCCTGCCCTAGCAACGCCGCGTGATGGATGAAGGTTTTC
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CGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTATTGGGTGTAAAGGGAGCGTAGACGGCTGTGTAAGTCTG
ATGTGAAAACCCGGGGCTCAACCCAGGGACTGCATTGGAAACTATGGGGCTAGAGTGAAGGAGAGGTAAGTGGAA
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>OTU14419;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9180),o:"Bacteroidales"(0.8303),f:"Prevotellaceae"(0.4914),g:Prevotella(0.0615);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTGCACCACGTGTGGTGTTTTGTAGGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCTGATTGTTAAGCGTGACGTGAAATGTAGCCGCTCAACGGCTGAACTGCGTCGCGAACTGGCAGTCTTGAGTGAGTACGACGCCAGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACCCCGATTGCGAAGGCAGCTGACGAGTCCTTTACTGACGCTAAAGCTCGAAGGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU14417;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5579),o:Clostridiales(0.2679),f:Ruminococcaceae(0.1098),g:Saccharofermentans(0.0204);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGAAGAAGGTCTTCGGATTGTAAAGCTCTTTGATCAGGGACGAACACGATGACGGTACCTGAAGAACAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGTGTGTAGGCGGGAGAGCAAGTCAGATGTGAAAATTATGGGCTCAACCCATAACCTGCGTCTGAAACTGTTTTTCTTGAGAGTGGGAGAGGTAAACGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU14420;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Eubacteriaceae(0.0560),g:Eubacterium(0.0134);

ACGGGAGGCAGCAGTGGGGGATCTTCCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGGGAAGACGGTCTTCTGGACTTTAAACCTCTGCCTTCGGGGACGAAACGAGACGGTACCCGAGGAGGACGCCACGTCTAACTACGCGCCAGCAGCCGCGGTTATATGTAGGCGGCACGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGATAGCAAGTCAGCTGTGAAAACTGTGGGCTCAACCCATAAACTGCAGTTGAAACTGTTATTCTTGAGTGGAGTAGAGGCAAGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTCTAACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU14421;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:"Bacteroidia"(0.4045),o:"Bacteroidales"(0.1719),f:Bacteroidaceae(0.0710),g:Bacteroides(0.0157);

ACGGGAGGCAGCAGGGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGAGTGAGAGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGCGGGTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTCAAATTGCAGTTGATACTGTCCCGCTTGAGTGCGGTAGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTCGATATCACGAAGAACTCCGATTGCGAAGGCAGCTTTCTGGAGCGTAACTGACGCTTATGCTCGAAAGTGCGAGTATCAAACAGGATTTGATACCCTGGTA

>OTU14422;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Rumi
nococcaceae(0.1872),g:Papillibacter(0.0230);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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GCAAGTCAGCAGTGAAATCCCGAGGCTTAGCCCCGGAACTGCTTTCGAAACTGTAAGTCTTGAGTATCGGAGAGGCA
GGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACG
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>OTU14423;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Rumi
nococcaceae(0.1485),g:Ruminococcus(0.0181);
ACGGAAGGCAGCAGTGGGGATATTTCGCCATTGGGGCAACCCCTACGCCGCAACGCCGCGTTAACGATTAAGGTCCT
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GCCCCGGTAAAACGTAGGGAGTAAGCGTTGTTCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGTAGAGCAAGTC
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TTCCCTGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTAACTG
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>OTU14424;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Lach
nospiraceae(0.2524),g:Clostridium_XlVa(0.0615);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
TCTCGGTATGTAAAGCTCTATTAGTAGGGAAGAAAATGAGGGTATCTGACTAAGAAGCCCCGGCCAACTACGTGCCA
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CGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCGATGGCGAAGGCGGCTTGCTGGACTGT
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>OTU14425;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9776),o:"Bacteroidales"(0.
9685),f:"Prevotellaceae"(0.5991),g:Prevotella(0.4351);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGCAGCGTGAAGGATGACTGC
CCTCGGGGTTTTAACCTTCTTTTATAAGGGAATAATTGCGGGTACGCGTACCCGTTTGCATGTACCTTATGAATAAGG
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GTGCAGTATAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCTATTGCGAAGG
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>OTU14427;tax=d:Bacteria(0.0041),p:Firmicutes(0.0000),c:Negativicutes(0.0000),o:Selenomonadales(0.0000),f:Veillonellaceae(0.0000),g:Megasphaera(0.0000);
GCGCGTCCGGTTAACGCCGCTGACTTGTTCGCGTTTACCTTGCGTGTCCGCGCAGGCACCACTGACGTTCTTACTGCCGCAGAAGAAAACGTGCGTCAAAAATTACGTGCAGAAGGAGTGATGTAATGTCTAAAGGTAAAAAACGTTCTGGCGCTCGCCCTGGTCGTCCGCAGCCGTTGCGAGGTACTAAAGGCAAGCGTAAAGGCGCTCGTCTTTGGTATGTAGGTGGTCAACAATTTTAATTGCAGGGGCTGCGGCCCCTGACTTGAGGATAAATTATGTCTAAGATTCAAACTGGCGCCGAGCGTATGCCGCATGACCTTTCCCAGCTTGG
>OTU14426;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Negativicutes(0.3483),o:Selenomonadales(0.1483),f:Veillonellaceae(0.0560),g:Selenomonas(0.0134);
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ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
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9798),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);

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nococcaceae(0.1485),g:Intestinimonas(0.0181);
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bacteriales"(0.0000),f:Enterobacteriaceae(0.0000),g:Erwinia(0.0000);

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ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGTAGGT
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9063),f:Bacteroidaceae(0.5991),g:Bacteroides(0.4351);
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_2(0.0000),g:Tuberibacillus(0.0000);
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7623),f:"Porphyromonadaceae"(0.3544),g:Parabacteroides(0.1299);
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8303),f:Bacteroidaceae(0.3204),g:Bacteroides(0.0904);
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6881),f:"Prevotellaceae"(0.1679),g:Prevotella(0.0423);
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cteriaceae(0.0099),g:Eubacterium(0.0046);
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5023),f:Bacteroidaceae(0.2524),g:Bacteroides(0.0712);
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8955),f:Bacteroidaceae(0.6350),g:Bacteroides(0.4787);
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2359),f:"Porphyromonadaceae"(0.0560),g:Parabacteroides(0.0087);
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039),f:Acholeplasmataceae(0.0904),g:Acholeplasma(0.0181);
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8412),f:"Porphyromonadaceae"(0.4224),g:Parabacteroides(0.1299);
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9606),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);
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8737),f:Bacteroidaceae(0.5632),g:Bacteroides(0.3915);
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39),f:Spirochaetaceae(0.1872),g:Treponema(0.0157);
ACGGAAGCAGCAGCTAAGAATATTCCGCAATTGACGAAAGTCTTACGGCACGACGCCGCGTTGATGATTAAGGCCCG
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>OTU14510;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Rumi
nococcaceae(0.1485),g:Intestinimonas(0.0181);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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>OTU14511;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Clostridiaceae_2(0.0457),g:Natronincola(0.0110);
ACGGGAGGCAGCAGTAAGGGATATTGGTCAATGGGCGGGAGCCTGAACCAGCCATGCCGCGTGAGGGATTGAGGCCCTACGGGTCGTAAACCTCTTTTGCCGGGGGATAACGGGCGCCACGGGTGGCGCCGTGAAGGTACCCGGAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGTTTCTTAAGTCAGAGGTGAAAGGCTACGGCTCAACCGTAGTAAGCCTTTGAAACTGGGAAACTTGAGTGCAGGAGGGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
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ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCAGCGTGAACGATGAAGGCCTTCGGGTCGGAAAGCTCTGTCCTCAAGGAAGATAATGATGGCACTTGAGGAGGAAGCCCCGTATAACTAGGAGCAGGCAGGCGCGGTAATACGCAGGGGGCTACGGTTATCCGGAAGTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGAGGTGAAAGGCTACGGCTCAACCGTAGTAAGCCGTTGAAACTGGGAAACTTGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTACGAGGAACACCAGTTGCGAAGGCGGCTTTCTGGACTGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
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ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATGCCGCGTGAAGGACTAAGGCCCTATGGGTTGTAAACTTCTTTAGTGCCGGGGCAAAAAGGACCACGGTTGGTCGGTTGAAGGTAGCGGATGATTAAGCATCGGCTAATTCCGTGCCGGCAGCCGCGGTAATAGGGAGGTTTCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTTAGATAAGTTGGAGGTTAAATGCTTCTGCTCAACAGGGGTTTGCCTTGAAAACTGTCTGACTAGGATGTAAACGGCGCAGGCGGAATGAATCATGTAGCGGTGACATGCATAGATATGATTCAGAACACCGATCGCGAAGGCAGCTTGCGAGGATACGATTGACGCTGAAGCACGAAGGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
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ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAAGCCTGATGCAGCGACGCCGCGTGATTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCGGGGAAGAAAATGAGGGTACCTGACTGAGAACGCCCGGATAACTACGTGCCAGAAGCCGAGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGTATCAAGTCTGATGTGAAAGGCAGGGGCTCAACGCCTGAAGTGCATTGGAAACTGGTATGCTTGAGTGCCGGAGAGGTCAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTAACTGACGTTGAGGCTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU14515;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Rumi
nococcaceae(0.6350),g:Oscillibacter(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGACGCAAGTCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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ridiaceae_1(0.0355),g:Clostridium_sensu_stricto(0.0087);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCTAGCAACGCCGCGTGAAGGATGAAGGC
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>OTU14518;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Rumi
nococcaceae(0.0560),g:Ruminococcus(0.0134);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGT
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bacteriales"(0.5766),f:Enterobacteriaceae(0.3884),g:Escherichia/Shigella(0.0615);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGTCGCGTGCATGAAGACGGCC
TTCGGGTTGTTAAGTACTTTTAGTGGGGAGGTAGGGAGTAACGTTAATACCTTTGCTCATTTACGTTATCCGCAGAAG
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nococcaceae(0.1485),g:Clostridium_III(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGATGAAGGC
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CAGCACCCGCGTTATTCCGTAGGTTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGACCTGCA
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rionales(0.9730),f:Desulfovibrionaceae(0.9201),g:Desulfovibrio(0.8124);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGT
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nospiraceae(0.3544),g:Dorea(0.0904);
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>OTU14522;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Clost
ridiaceae_1(0.4563),g:Clostridium_sensu_stricto(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGC
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nococcaceae(0.1291),g:Clostridium_III(0.0157);
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0),f:Anaerolineaceae(0.0000),g:Anaerolinea(0.0000);
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9798),f:Bacteroidaceae(0.9108),g:Bacteroides(0.9085);
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3639),f:Bacteroidaceae(0.1872),g:Bacteroides(0.0519);
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>OTU14528;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Lachnospiraceae(0.1872),g:Dorea(0.0423);
ACGGAAGGCAGCAGTGGGGGACATTGCGCAATGGGGGCAACCCCGACGCAGCAACGCCGCGTGAACGATGAAGGTCTTCGGATTGTAAAGTTCTTTTATTAAGGACGAAGAAGTGACGGTACTTAATGAATAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTTTGCAAGTCTGACGTGAAAATCCGGGGCTCAACCCCGGGACTGCATTTGGAACTGTAATGCTAGAGTGTCGGAGAGGCAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU14529;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:Flavobacteriia(0.1740),o:"Flavobacteriales"(0.0781),f:Flavobacteriaceae(0.0252),g:Mesonia(0.0076);
ACGGAAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATGCCGCGTGAAGGACTAAGGCCCTATGGGTTGTAAACTTCTTTAAAAGCAGAGCAATAAGGACTACGCGTGGTGTGATGAGTGTATGCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGAGCGTAGGTGGATTCGCAAGTCAGCTGTGAAAGGCCGCGGCTCAACCCGGAAAGTGCAGTTGATACTGTGAGGCTGGAATACGGAAGCTGTGGGAGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACTCAGAACACCGATTGCGAAGGCATCTCACAAGTCCGCTATTGACGCTGATGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA
>OTU14527;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Lachnospiraceae(0.0560),g:Parasporobacterium(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCCGATGCAGCGAAGCCGCGTGACTGAAGAAGTCCTTCGGTATGTAAAGGTCTATCAGCAAGGAAGAAAATGACGGTACTTGACTAAGAAGCCCAGGATAACCACGTGCCAGCACCCCCGGTAACATGCAGGTAGCAACCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGGAGCAAGTCAGATGTGAAATCCCGGGGCTTAACCCCGGAACTGCATTTGAAACTGTTCCACTTGAGTATCGGAGAGGCAAGCGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTAGACGACGACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU14532;tax=d:Bacteria(0.0024),p:"Proteobacteria"(0.0000),c:Deltaproteobacteria(0.0000),o:Desulfobacterales(0.0000),f:Desulfobacteraceae(0.0000),g:Desulfobacterium(0.0000);
ATTGACCATGCCGCTTTTCTTGGCTCGATTACCCCTGATACCCCTAACATCCCTAAGCCTTTGTTTCAGGGTTATTTTAATATCTCTAACAACTATTTTAAAGCGCCGTTGATGCCTGACCGTACCGAGGCTAACCCTAATGAGCTTAATCAAGATGATGCTCGTTATGGTTTCCGTTGCTGCCATCTCAAAAACATTTGGACTGCTCCGCTTCCTCCTGAGACTGAGCTTTCTCGCCAAATGACGACTTCTACCACATCTATGGACATGATGGGTCTGCAAGCTGATTATGCTAATGTGCATACTGACCAAGAACGTGATTACTGCATGCAGCGTTACCATGATGTTATGTATACATTTGGAGGTAAAACCG
>OTU14531;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9871),o:Lactobacillales(0.9063),f:Lactobacillaceae(0.8146),g:Lactobacillus(0.5720);

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>OTU14530;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Rumi
nococcaceae(0.0560),g:Intestinimonas(0.0076);

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9280),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);

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>OTU14535;tax=d:Bacteria(1.0000),p:Firmicutes(0.3448),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Rumi
nococcaceae(0.0252),g:Clostridium_IV(0.0076);

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>OTU14533;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Lach
nospiraceae(0.1098),g:Parasporobacterium(0.0157);

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GGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAAGAACACCAATGGCGAAGGCGGCCTACTGGGCACCA
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>OTU14592;tax=d:Bacteria(0.0024),p:"Bacteroidetes"(0.0000),c:Cytophagia(0.0000),o:Cytophagales(0.0000),f:Cytophagaceae(0.0000),g:Sporocytophaga(0.0000);
ATGTCACGCTGATTATTTTGACTTTGCGCGTATCGAGGCTCTTACACCTGCTATTGCGGCTTGTGGCATTTCTACTCTTT
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>OTU14590;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9966),c:"Bacteroidia"(0.7114),o:"Bacteroidales"(0.4280),f:"Prevotellaceae"(0.1679),g:Prevotella(0.0423);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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TGCGTAGGTGGCCATTTAAGTCAGCGGTGAAAGTTTGGGGCTCAACCATAAATTGGCCGTGGATATTGGAGGGTTTG
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>OTU14593;tax=d:Bacteria(0.0041),p:Firmicutes(0.0000),c:Bacilli(0.0000),o:Bacillales(0.0000),f:Bacillaceae_2(0.0000),g:Lentibacillus(0.0000);

GGCATTGTTTGTGAGCGTTGTGGTGTGGAGGTCACAGAGAGTCGGGTGCGACGTCACCGCATGGGCTTTATCAAGTTGGCGGCGCCCGTCTCCCATGTTTGGTACCTGAAAGGGATTCCCAGTTATGTGGCCATCCTTTTGGATATGCCCCTGAGGGCTGTTGAGCAGATTGTTTATTTCAACTGTTATGTGGTTCTGGATGCGGGTGATCACAAAGACCTGAAGTACAAGCAATTGCTCACGGAAGATGAGTGGCTTGAAATTGAAGACGAGATTTATGCAGAAGATTCAGAAATTGAAAATGAACCCGGCGTTGGAAGTGGTGCCGAGGCGCTGAAGCAGCTGCTTGAGGATCTCCAACTCAAGGCTGGGGCTGAACAATTACGTGAGGAGAGTGCTGGTAGTAAGGGGCGGAAACGAGCCAAGCTGACCAAGCGTCGAC

>OTU14591;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Ruminococcaceae(0.1679),g:Clostridium_IV(0.0157);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTCTTCGTATTGTAAACTTCTTTTATGAGGGACGAAGGACGTGACGGTACCTCATGACTAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCACTCGTTATCCGGATGTACTGGGTGTACAGGGCGCGTAGGCGTGGATGCAAGTCAGATGTGAAATCTATGGGCTTAACCCATAAACTGCATTTGAAACTGTATCTCTTGAGTGCTGGAGAGGTAGAGGGAAGTCCTTGTGTAGAGGTGAAATGAGTAGATATAAGGAAGAACACCAGTGGCGAAGGCGATCGAATGGACAGTAACTGACGCTGAGGCGCGAGAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU14594;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9704),c:"Bacteroidia"(0.8755),o:"Bacteroidales"(0.7252),f:"Prevotellaceae"(0.4563),g:Prevotella(0.1299);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCTTATGGGTTGTAAACTGCTTTTATAGGGGGATTAAGTGTGCTACGTGTGGCATATTGCAGGTATACTATGATTACGGCACGGCTAATTACGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTAATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTTATAAGCGAGTTGTGAAGTGTCGGGGCTCAACCTGGGTATTGCAGCGCAAACTGTAAGTCTAGAGTGCGCAGGAGGAGGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACACCGATGGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAGGCTCGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU14596;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Ruminococcaceae(0.1679),g:Gemmiger(0.0204);

ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCCGATGCAGCGACGCCGCGTGGAGGAAGAAGGTTTTCGGATTGTAAACTCCTGTCGTTAGGGACGATAATGACGGTACCTAACAAGAAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAAAACGTAGGGTGCAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGTGTGTAGGCGGTTTTACAAGTTAGATGTGAAATACCCAGGGCTTAACTCGGGTGCTGCATCTAAGACTGTAAGACTTGAGTGTCGGAGAGGTAAATGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGATAACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU14595;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Clostridiaceae_1(0.2864),g:Clostridium_sensu_stricto(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACTCCGATGCAGCAACGCCGCGTGAGTGATGAAGTCTTTCGGGTTGTAAAGCTCTATCTGCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGACGGATGTGTAAGTCTGAAGTGAAATACCAGGGCTTAACTGGAGGACTGCATTTGAAACTGTAAGTCTAGAGTACAGGAGAGGAGAGCGGAATTCCTAGTGTAGCGGTGAAATTCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGGCTCACTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
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ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGCCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGGCAGTGAAGAAAGATAGAGGTAGTAACTGGTCTTTATTTGATGGTAACTACTTAGAAAGTCACGGCTAACTACGTGCCAGCAGCCTCGGTAATACGAAGGTGGCTAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGTGCAGGCGGTTGTTTAAGTCTGATGTGAAAGCCTGCGGCTTAACCGAAGAAGTGCATCGGAAACCGGACGACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCGCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU14597;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Ruminococcaceae(0.1098),g:Clostridium_IV(0.0110);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGAGGAAGAAGGTTTTCGGATTGGAAACTCCTGTGGTTAGGGACAATAATGACGGTACCTAACGAGAAAGCACCGGCTAACTACGGGCTAGCAGCCGGGGTAAAAAGAAGGGTGCAGGGGTGGTCCGGAATTACTGGGTTTAAGGGGTGCGTAGGCGGCAGAGCAAGTCAGATGTGAAATCCGTGGGCTTAACCCACGAACTGCATTTGAAACTGTTTTGCTTGAGTGAAGTAGAGGCAGGCGGAATTCCCTGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTAACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU14599;tax=d:Bacteria(0.0041),p:"Proteobacteria"(0.0000),c:Deltaproteobacteria(0.0000),o:Desulfobacterales(0.0000),f:Desulfobacteraceae(0.0000),g:Desulfosalsimonas(0.0000);
ACCACGCCCAGCAAACTGGCCTACCGACGTTTGGTCCGTTCCCCCAACCTCATAGCCAGATGCCCAGAGATTAGAGCGCCTGACAATTAACGGCCGGTTTTCAGCGTCATAAGAGGTTTTACCTCCAAATGAAGAAATAACATCATGGTAACGCTGCATGAAGTAATCACGTTCTTGGTCAGTATGCAAATTAGCATAAGCAGCTTGCAGACCCATAATGTCAATAGATGTGGTAGAAGTCGTCATTTGGCGAGAAAGCTCAGTCTCAGGAGGAAGCGGAGCAGTCCAAATGTTTTTGAGATGGCAGCAACGGAAACAATAACGAGCAGCAGCTTGAGTAAGCTCATTAGGGGTAGCCTC

>OTU14601;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Rumi
nococcaceae(0.4563),g:Gemmiger(0.0423);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGGTGAAGAAGGT
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>OTU14600;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Rumi
nococcaceae(0.0252),g:Clostridium_III(0.0056);
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>OTU14603;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9802),c:Betaproteobacteria(0.8048),o:Burkholder
iales(0.5023),f:Alcaligenaceae(0.2524),g:Bordetella(0.0615);
ACGGGAGGCAGCAGTGGGGAATTTTGGACAATGGGCGCAAGCCTGATCCAGCAATGCCGCGTGTGTGATGAAGGCC
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>OTU14602;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Lach
nospiraceae(0.0904),g:Parasporobacterium(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGAGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCGTTAGGGACGATAATGACGGTACCTAACAAGAAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAAAACGTAGGGTGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGACCGGCAAGTTAGAAGTGAAATCTATGGGCTCAACCCGAGAATTGCATTGGAAACTGCTGGACTTGAGTAGTGGAGAGGTAGGTGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGACACCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA
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ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTTTAGGAAGAAGGTCTTCGGATTGTAAACTCCTGTCGTTGGGGACGATAATGACGGTACCCAACAAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGCAGCCGGGAATGCAAGTCAGATGTGAAATCCATGGGCTAAACCCATGAACTGCATTTGAAACTGGAGATCGTGAGTGTCGGAGAGGAAAGCGGAATTACTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGATAACTGAAGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

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ATTCCTCGGCTTTTTTTCGCTGAATCCTGTTCTTAAAGAGATTATTTGTCTCCAGCCACTTAAGTGATGTGATTTATGTATGGTGCTATTGCTGGCGGTATTGCTTCTGCTCTTGCTGGTGGCGCCATGTCTAAATTGTTTGGATGCGGTCAAAAAGCCGCCTCCGGTGGCATTCAAGGTGATGTGCTTGCTACCGATAACAATACTGTAGGCATGGGTGATGCTGGTATTAAATCTGCCATTCAAGGCTCTAATGTTACTAACCCTGATGAGGCCGTCCCTAGTGGTGTTTCTGGTGCTATGGCTAAAGCGGGTAAAGGACTTATTGAAGGTACGTTGCAGGCGGGCACTTCGGCCGTTT
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GGCATCGTCTGCGAGCGCTGTGGCGTTGAGGTCACAGAGAGTCGGGTGCGATGTCACCGCATGGGCTTCATTAAGTTGGCGGCCCCCGTCTCTCATGTTTGGTACCTGAAAGGGATTCCAAGTTATGTGGCCATCCTTTTGGATATGCCTCTGCGGGATGTTGAGCAGATTGTTTATTTCAACTGTTATGTGGTGCTGGATGCTGGCGATCACAAAGATCTGAAGTACAAGCAGTTGCTCACGGAAGATGAGTGGCTTGAAATCGAAGATGAGATTTATGCAGAAGATTCGGAAATTGAGAACGAACCCGTCGTGGGGATTGGTGCCGAGGCGCTGAAGCAGCTGCTTGAAGATCTTCAACTCAATGCGGTAGCGGAGCAATTACGTGAGGAGATTGCTGGTAGTAAGGGACAGAAACGCGCCAAGCTGACCAAGCGCCTACG
>OTU14611;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.6881),f:"Porphyromonadaceae"(0.3204),g:Parabacteroides(0.0712);
ACGGTAGGCCGCCTTTAGGCCTATTTTTCCATGGGCGTAAGCCTGAACCAGCCAAGTCGCGTGAAGGATGAAGGTTCTATGGATTGTAAACTTCTTTTATGGGGGAATAAAGTGCAGGATGCGTCCTGTTTTGTATGTACCTCATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGGGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGTGGCCTTTTAAGTCAGATGTGAAAGTTTGGGGCTCAACCATAGAATTGCCGTGGAAACTGGAGGGCTTGAGTATGTTTGGGGCAGGCGGAATTGGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACTCCGATCGCGAAGGCAGCTTGCAAAGCCATAACTGACACTGAAGCACGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU14612;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Eubacteriaceae(0.0457),g:Alkalibacter(0.0110);

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nospiraceae(0.3544),g:Lachnospiracea_incertae_sedis(0.0808);
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nospiraceae(0.4914),g:Moryella(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCGAAGCCGCGTGAGTGAAGAAGTA
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0),f:Cytophagaceae(0.0000),g:Dyadobacter(0.0000);
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0231),f:"Rikenellaceae"(0.0059),g:Alistipes(0.0035);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
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8846),f:"Prevotellaceae"(0.7787),g:Prevotella(0.4351);
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riales"(0.0352),f:Sphingobacteriaceae(0.0086),g:Solitalea(0.0043);
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2359),f:"Prevotellaceae"(0.0560),g:Prevotella(0.0134);

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ridiaceae_1(0.4563),g:Clostridium_sensu_stricto(0.2171);
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0291),f:Prolixibacteraceae(0.0073),g:Prolixibacter(0.0039);
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7252),f:"Prevotellaceae"(0.4224),g:Prevotella(0.0712);
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AGCAGGCCGGGTAATACCTAGGTGGCAAGGGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGTCGGTA
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GGACCGGAATTGACACTGAGGAGCGAAAGCCAGGGGAGCAAACGGGATTAGATACCCCGGTAGTCCTGGCCCTAAA
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>OTU14701;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Ruminococcaceae(0.1679),g:Clostridium_III(0.0423);

ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGAAACCCTGACGCAGCAACGCCGCGTGAAGGAAGAAGGT
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GCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGTGCGCAGGCGGGGATGCA
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GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATTTTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACACTA
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>OTU14703;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Rumi
nococcaceae(0.1291),g:Ruminococcus(0.0230);
CCTTCCTTCCTCCTTTTTGGCTATTGCACCCTGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGTTTT
CGGATTGTAAACCTTTGTCTTTGGTGAAGAAGAAAGTGACGGTAGCCAAGGAGGAAGCCACGGCTAACTACGTGCC
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0781),f:"Porphyromonadaceae"(0.0252),g:Parabacteroides(0.0076);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGGAGCCTGAACCAGCCAAGTCGCGTGAGGGATGAAGGC
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nospiraceae(0.2524),g:Clostridium_XlVa(0.0712);
ACGGAAGGCAGCAGTGGGGAATATTGGACAATGGGGGAAACCCTGATCCAGCGACGCCGCGTGAGTGGAGAAGTA
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>OTU14705;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Lach
nospiraceae(0.2864),g:Clostridium_XlVa(0.0615);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGC
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GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTA
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>OTU14706;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6036),c:Flavobacteriia(0.0626),o:"Flavobacteriales
"(0.0413),f:Flavobacteriaceae(0.0099),g:Ornithobacterium(0.0046);
ACGGGAGGCAGCAGTAAGGAATATTGGACAATGGACGCAACTCTGATCCAGCAATGCCGCGTGAAGGACTAAGGCC
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ATGCAGAGGAGGTGGGAGGAATGTGTAGTGTAGTGGTGAAATGCATAGATATTACACAGAACACCGATTGCGAGG
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>OTU14708;tax=d:Bacteria(1.0000),p:Firmicutes(0.1905),c:Clostridia(0.0626),o:Clostridiales(0.0413),f:Lach
nospiraceae(0.0086),g:Clostridium_XlVa(0.0043);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGAAGAAGGT
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CAGCAGCCGCGGCAATACGTAGGGGGCAATCGTTGTCCGGAATGACTGGGCGTAAAGGGTGTGTAGGCGGGCTCG
CAAGTTGGATGTGTAATACCCAGGGCTTAACTCGGGTGCGGCGTCTGAAACTACGGGTCTTGAGTGTCGGAGAGGTA
AGTGGAATTCCTAGTGTAGCGGTGGAATGCGTGGATATTAGGAGGAACATCAGTGGCGAGGGCGACTTACTGGACG
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>OTU14707;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.8087),c:Gammaproteobacteria(0.5579),o:"Entero
bacteriales"(0.2999),f:Enterobacteriaceae(0.1485),g:Escherichia/Shigella(0.0326);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
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AGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGTTGCAAGCGTTGTCCGGATTTACTGGGTGTA
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CCCTTGAGTGTCGGAGAGGCAAGCGGAATTCCGTGTGTAGCGGTGAAATGCGTAGATATACGGAGGAACACCAGTG
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GTA
>OTU14710;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Bacilli(0.9038),o:Lactobacillales(0.7252),f:Lactob
acillaceae(0.4224),g:Lactobacillus(0.1299);

ACGGGAGGGAGAAGGAGGGAATCTTCCCCCCTTTCCTCCCTTCTTCTGTCGCAACGCCTCGTGAGTGAAGAAGGTTTT
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AGCGAGCGCAGGCGGAAAGATAGGTCTGAAATGAACGCCCCCTGCTTAAGCAATGAACTGCATCGGAAACAGTCCG
GCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGATGGAATGCGTAGATATATGGAAGAACACCAGTGG
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>OTU14709;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Lachnospiraceae(0.2864),g:Fusicatenibacter(0.0615);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGAAGAAGTA
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GGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCA
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>OTU14711;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.8988),c:Actinobacteria(0.7497),o:Coriobacteriales(0.4652),f:Coriobacteriaceae(0.2864),g:Collinsella(0.0519);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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CAGGCCGGGGGTCGAAGCGGGGGGCTCAACCGCAAGATGCCACCGGAAACTGGGTGGCTTGGGTCCGGTAGGGGA
GGGTGGAACACCCGGTGTAGCGGTGGAATGCGCAGATATCGGGAGGAACACCGGTGGCGAAGGCGGCCCTCTGGG
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>OTU14712;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Ruminococcaceae(0.1679),g:Clostridium_IV(0.0134);

ACGGAAGGCAGCAGTGGGGAATATTGGGCTATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGCAGCCGGGTCTGC
AAGTCAGATGTGCAATCCATGGGCTCAACCCATGAACTGCATTTGAAACTGTAGATCTTGAGTGTCGGAGGGGCAAT
CGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGATGACCAGGGGCGAACGGGGATTGATAGACGTT
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>OTU14713;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Clostridiales_Incertae_Sedis_XIII(0.1872),g:Mogibacterium(0.0519);

ACGGAAGGCAGCAGTAGGGAATCTTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAAGGATGAAGGC
CTTCGGGTTGTAAACTTCTGTTCTTAGGGGAGAAGAAAGTGACGGTACCTAAGGATAAAGCCTCGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTGCGTAGGTGGTTATC
TAAGCGTAAGGTTTAAGCGTGCAGCTCAACTGGATCTCGCCTTGCGAACTGGATTACTTAAGTGCCAGGAGAGAAAG
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>OTU14714;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Lachnospiraceae(0.1679),g:Clostridium_XlVb(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
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AGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTATCCGGAATTACTGGGTGT
AAAGGGAGCGTAGGCGGCATGGTAAGCCAGATGTGAAAGCCTTGGGCTTAACCCGAGGATTGCATTTGGAACTATC
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GGTA

>OTU14715;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Bacilli(0.9321),o:Lactobacillales(0.7995),f:Lactobacillaceae(0.2864),g:Lactobacillus(0.0808);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
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>OTU14716;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9988),c:Gammaproteobacteria(0.9747),o:"Enterobacteriales"(0.8412),f:Enterobacteriaceae(0.6709),g:Escherichia/Shigella(0.2607);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGATGAAGGCC
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>OTU14717;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9966),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5023),f:"Prevotellaceae"(0.1679),g:Prevotella(0.0326);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGAATAATGTCGGACACGCGTGTCTGCTTGCATGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATTCGGAGGGTTCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGCTGTTCAAGCTGGTCGTGAAATGCGGATGCTTAACGGTCGCACTGCGTCGCGAACTGTCGGGCTTGAGTGAAGTGGAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCGTAGATATCAGGAGGAACACCGATTGCGAAGGCAGCTTGCTGGAGTGTAACTGACGCTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU14720;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Ruminococcaceae(0.5273),g:Clostridium_IV(0.0326);

ACGGGAGGCAGCAGCGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGTAAACTCCTTTTAACAGGGACGAAGTAAGTGACGGTACCTGTTGAATAAGCCACGGCTAACTACGTGCTAGCAGCCGCGGAATTACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGAGTAAAGGGCGTGTAGGCGGGACTGCAAGTCAGATGTGAAAACTATGGGCTCAACCCATGGCCTGCATTTGAAACTGTGGTTCTGGAGTGGCGGAGAGGCAATCGGAATTCCATGTGTAGCGGTGAAATGCGTAGATATACGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGATGACTGACGCTGAGGCGCGAAGGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU14719;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Clostridiaceae_1(0.4563),g:Clostridium_sensu_stricto(0.1735);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGCGTGTAGCCGGGTTTGTAAGTGAGATGTGAAATCCTTGGGCTCAACCCGTGAGCTGCATTTGAAACTGTGAGTCTTGAGTGCCGGAGAGGCGATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGACTTTCTGGGCTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU14718;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Clostridiaceae_1(0.4563),g:Youngiibacter(0.0904);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCAACGCCGCGTGAGTGATGAAGGTCTTCGGATCGTAAAGCTCTTTGATTGGGGACGATAATGACGGTACCCAAAGAACAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGATGCGTAGGTGGAAACTTAAGTGGGATGTGAAATCCCTGGGCTCAACCCAGGAACTGCATTCCAAACTGGGTATCTAGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACATCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGCATGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU14721;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Rumi
nococcaceae(0.1485),g:Clostridium_IV(0.0134);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGCAGGAAGAAGGC
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ridiaceae_1(0.7428),g:Clostridium_sensu_stricto(0.5720);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
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ellales(0.8412),f:Pasteurellaceae(0.6709),g:Actinobacillus(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGGGACCCTGATGCAGCCATGCCGCGTGAATGAAGAAGGC
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acillaceae(0.8505),g:Lactobacillus(0.4787);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGACGAAGGG
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ridiaceae_1(0.3544),g:Clostridium_sensu_stricto(0.1299);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
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nococcaceae(0.1098),g:Flavonifractor(0.0087);
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nospiraceae(0.0560),g:Blautia(0.0110);
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>OTU14833;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Bacilli(0.9604),o:Lactobacillales(0.7995),f:Lactob
acillaceae(0.4563),g:Lactobacillus(0.2607);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
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>OTU14835;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9994),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.
9606),f:"Porphyromonadaceae"(0.9108),g:Parabacteroides(0.9085);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTCGCGTGAGGGATGAAGGT
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GCGTAGGCGGCCTTTTAAGTGAGAGGTGAAAGTCTGGGGCTCAACCATAGAATTGCCGTTAAAACTGTGAGGCTTGA
GTATGTTTGAGGCAGGCGGAATGCGTGGTGTAGCGGTGAAATGCTTAGAGATCACGCAGAACCCCGATTGCGAAGG
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>OTU14837;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Rumi
nococcaceae(0.0710),g:Clostridium_IV(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAAAGCCGCGTGAAGGAAGAAGGC
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>OTU14836;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Clostridiaceae_1(0.4914),g:Clostridium_sensu_stricto(0.2171);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAATGATGACGTCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGACGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGCATTGTAAGTGTGATGTGAAATCCCCGGGCTCAACTTGGGGGCTGCATTTCAAACTGTAAATCTAGAGTGCAGGAGAGGAGGGTGGAATTCCTGGTGTAGCGGTGACATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU14838;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Eubacteriaceae(0.1291),g:Eubacterium(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGTCTTCGGATTGTAAACCTCTTTTTTCGGAGACGTACAAATGACGGTAACTGAGTAGTAAGCCATGCCTAACTACTAACCAGCAGCCGCGGCAATACGAAGGGGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGATAGCAAGTCAGCTGTGAAAACTATGGGCTCAACCCATAAACTGCAGTTGAAACTGTTATTCTTGAGTGGAGTAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTCTAACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU14840;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8755),o:"Bacteroidales"(0.7252),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0808);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACTGCCCTATGGGTTGTAAACTGCATTTATGCGGGAATAAAGTGAGGCACGTGTGCCTTTTTGTATGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGATGGTTAAGCGTGACGTGAAATGTAGCTGCTCAACGGCTTCACTGCGTCGCGAACTGTATAGCTTGAGTGAGTTCGATGTTGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCGGCCAACAAGGCCTTTACTGACGCTAATGCTCGAAGGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU14841;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Clostridiaceae_1(0.4914),g:Clostridium_sensu_stricto(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGATTTTAAAGCTCTGTCTTTAGGGACGATAATGACGGTTCCTAAGGAGGAATCCACGGCTAACTACGTTCCAGCACCCGCGGCAATACGTAGGTGGCCAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGTGGAGATTTAAGTGGGATGTGAAATACCCGGGCTTAACCTGGGAGCTGCATTCCAAACTGGATATCTAGAGTACAGGAGAGGAAAGGAGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAATACCAGTGGCGAAGGCGGCTTTCTGGACGGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU14839;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.7547),c:Epsilonproteobacteria(0.4428),o:Campylobacterales(0.2039),f:Campylobacteraceae(0.0904),g:Campylobacter(0.0181);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAGGGAATAAATGTGGGTACGCGTACCCGTTTGCATGTACCTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTACTCGGAATCACTGGGCGTAAAGGACGCGTAGGCGGATTATCAAGTCTTTTGTGAAATCTAATGGCTTAACCATTAAACTGCTTGAGAAACTGATAATCTAGAGTGAGGGAGAGGCAGATGGAATTGGTGGTGTAGCGGTGAAATGCGTAGATATAAGGAAGAACACCAGTGGCGAAGGCGGTCTACTGGACAGTAACTGACGCTGAGGCGCGAGAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU14843;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9892),o:"Bacteroidales"(0.9938),f:Bacteroidaceae(0.9108),g:Bacteroides(0.9085);
ACGGGAGGCAGCAGTGAGGAATATTGCTCAATGGGCGCAGGCCTGAACCAGCCACGTAGCGTGAAGGATGACTGCCCTATGGGTTTTAAACTTCGTTTATATGGGAATAAAGTTTTCCACGTGTGGCTTATTGTTTGTCCCATATTAATAAGGATCGGCCAACCCCGTGCCAGCAGCCGCGGTAATACTTATGCTCCGATCTTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACAGTTAAGTCAGTTGTGAAAGTGTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGCTGTCTTGAGTACAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU14842;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Ruminococcaceae(0.0113),g:Intestinimonas(0.0056);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAACCCTGACCCAGCAAAGCCCCGTGGAGGAAGGAGGCCCTCGGGTTTTAAACTTCTTTTTCCAGGGACGAAGGACGTGGCGGGAACTGGAGAAAAAGCAAAGGCTGACTACGGGCCAACCAGCGCGGTAATACGTAGGGCGCAAACGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGGTGCAAGTTGGGAGTGAAATCCCGGGGCTCAACCCCGGAACTGCTTTCAAAACTGCATCCCTTGAGTATCGGAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACGCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU14845;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9892),o:Lactobacillales(0.9606),f:Lactobacillaceae(0.9015),g:Lactobacillus(0.5239);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGCTGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTTTTGTTAGAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTACCCAACCAGAAAGTCACGGCTAATTACGTTCTAGCAGCCGCGGTAACACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTGCTTAGGTCTGATGTGAAAGCCTTCGGCTTAACCGAGGAAGTGCATCGGAAACCGGTGGACTTGCGTGCAGAAGAGGACAGTGGAACGCCATGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTACAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU14844;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9762),o:Clostridiales(0.9497),f:Clostridiaceae_1(0.5991),g:Clostridium_sensu_stricto(0.4351);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGTCTTCGGATCGTAAAGCTCTATCTTCAGGGACGATAATGACGGTACCTGAGGAGGCAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGACCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGAATTTTAAGTGAGATGTGAAATACCCTGGCTCAACCTAGGGGCTGTGTTACAAACTGGAAGTCTAGAATGCAGAAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATACGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAATCGTGGGGAGCAAACAGGATTAGGTACCCTGGTA

>OTU14846;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Clostridiales_Incertae_Sedis_XIII(0.0457),g:Mogibacterium(0.0110);

CCGGGAGGCAGCAGTGTCTCCTCTTTCCCCCTTTTTTCCCCCCTTCTGCCTCCACTCCTCGTGAAGGAAGAAGGCCTTTGGGTCGTACACTTCTGTTCTAAGGGAAGAAAAGGACTGTACCTTAGGAGCAAGTCACGGCTAACTACTTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTAGGCGTAAAGAGTACGTAGGTGGCTACCTAAGCACGGGGTTTAAGGCTATGGCTTAACCATAGTTCGCCTTGTGAACTGGGCTGCTTGAGTGCAGGAGAGGAAAGCGGAATGCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGTACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU14849;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Bacilli(0.9856),o:Lactobacillales(0.8520),f:Lactobacillaceae(0.5991),g:Lactobacillus(0.3479);

AAGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTCTTCGGATCGTAAAACTCTGTTGTTAGAGAAGAACATGCGAGAGAGTAACTGTTCTTGTATTGACGGTATCTAACCAGAAAGCTACGGCTAACTACGGGCCAGCAGCTGCGGTAATAAGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGGGAACGCAGGCGGTCCTTTAAGTCTGATGCGATAGCCTTCGGCTTAACCGAAGGATTGCATTGGAGACTGGATGACTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGAACTGCGTATATATATGGAAGAACACCAGTGGCGAAAGCGGCTCTCTGGTCTGTAACTGACGCTGAGGTTCGAAAGTGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU14847;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Bacilli(0.6730),o:Lactobacillales(0.3959),f:Lactobacillaceae(0.2184),g:Lactobacillus(0.0615);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAGATAAGTCTGAAGTGAAAGCCCCCGGCTTAACCGGGGAACTGCTTCGGAAACTGTCCTTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU14851;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9755),o:Lactobacillales(0.9063),f:Lactobacillaceae(0.8146),g:Lactobacillus(0.5720);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGGTTTCGGCTCGTTAAGCTCTGTTGGTAGTGAAGTAAGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATTACTTAGAAAGTCACGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTCGGTGGCATGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGTGCAGGCGGTTCGATAAGTCTGATGTGAAAGCCTTCGGCTCAACCGGAGAATTGCATCAGAAACTGTTGAGCTTGAGTGCAGAGGAGGAGAGTGAAACTCCAGGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCAGCTCTCTGGACTGCAACTGACGCTGAGGCTCGAAAGCACGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU14848;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Bacilli(0.6730),o:Lactobacillales(0.2359),f:Carnobacteriaceae(0.0904),g:Isobaculum(0.0181);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGACGGAGCAACACCGCGTGAGTGAAGAAGGCTTTCGGATCGTAAAGTTCTGTTGTTAGTGAAGAAGGACGTCAGTAGTAACTGGCTGCCGTTTGACGGTAACTAACCAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTATGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGGGAGCGCAGGCGGAAAGATAAGTCTGAAGTGAAAGACCACGGCTTAACCGGGGAGGTGCATAGGAAACTGTGCGGCTTGAGTGCAGAAGAGGAAAGTGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAGGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU14850;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Ruminococcaceae(0.1098),g:Saccharofermentans(0.0204);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTCTTCGGATTGTACACCTTTGTAGACAGGGACGAAGAAATGACGGTACCTGTAAAGTAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGGGAGCGTAGGCGGATGATTAAGTGGGATGTGAAATGTAAGGGCTCAACCCTTAACGTGCATCTGATACTGGCAGACTTGAGTGCGGAAGAGGCAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU14852;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Peptostreptococcaceae(0.4914),g:Clostridium_XI(0.3043);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCTGGTCGTAACGCTCTGTCCTCAAGGAAGATAATGACGTTCCTTTAGGAGGATTCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGATTTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGGAGTGAAAGGCTACGGCTAAACCGTAGTAAGCACTCGAAACTGGGAAACTTGAGTGCAGGAGAGGAAAGTGGAATTCCTAGTGTAGAGGTGAAATGCGTAGATATTAGGAGGAACACCAGGAGCGAAGGCGGCGGACTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATAACCTGGTA

>OTU14854;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.6881),f:Bacteroidaceae(0.2864),g:Bacteroides(0.0808);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGTAAGGCTGAACCAGCCAAGTAGCGTGAAGGATGATCGCCCTATGGGTCGTAAACTTCTTTTATAAAGGAATAAAGTCGCCTACGTGTAGGTGTTTGTATGTACTTTATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGACGGGCTGTTAAGTCAGCTGTGAAATGCCGCGGCTAAACCGTGGACATGCAGTTGGTACTGGCGGCAATGAGTGCAGTTGAGGCAGGCGGAATTCGTGATGTAGCGGTGAAATGCTTAGATATCGCGGAGAACCCCGATTGCGAAGGCAGCCGGCCAATCCGTTACTGACGTTCATGCTCGAAGGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU14853;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8448),c:Sphingobacteriia(0.2902),o:"Sphingobacteriales"(0.1249),f:Sphingobacteriaceae(0.0457),g:Olivibacter(0.0110);

ACGGAAGGCAGCAGTAAGGGATATTGGTCAATGGGCGGGAGCCTGAACCAGCCACGCCGCGTGAGGGAATGAGGCCCTACGGGTCGTAAACTTCTTTTGCCGGGGGATAAAGTGGGCCACGTGTGCCCCCGTGTATGTACCCGGAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGGTGTTTAAGTCAGTGGTGAAAGTTCCCGGCTCAACCGGGTCAGTGCCGATGATACTGGGGGCCTTGAATGCAGTCGAGGCAGGCGGAATGTGGCGTGTAGCGGTGAAATGCTTAGATATGACACAGAACACCGATAGCGAAGGCAGCCGGCCAGGCCTGCATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU14855;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Eubacteriaceae(0.0252),g:Eubacterium(0.0076);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACCAGGGGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAACACGTAGGGGGCGAGCGTTATCCGGAATTACTGGGCGTAAAGAGTGCGTAGGTGGCTTTGCAAGCGTAGGGTATAAGGCGACAGCCCAACTGTCGTTGGCCCCGCGAACTGTAAGGCTTGAGTACAGGAGGGGAAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACATCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU14858;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Bacilli(0.6730),o:Lactobacillales(0.3959),f:Lactobacillaceae(0.1485),g:Lactobacillus(0.0230);

ACGGGAGGCAGCAGTGGGGAATCTTCCACAATGGGCGCAAGCCTGATGCAGCAACGCCGCGTGTGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTTTTGGTGGGGAAGAAAGTTGTAGGGATTAACTGTTCTCTCTTTGACGTTACCCACTTAGAAAGTCACGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTGTTAAGTCTGATGTGAAAGCCCTGGGCTCAACCGGAGAAGTGCAGCAGAAACTGGTAAACTTGAGTGGAGAAGAGGGGAGTGGAACTCCAGGTGTAGCGGTGAAATGCGTAGAGATATGGAGGAACACCGGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU14856;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9755),o:"Entero
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0352),f:Prolixibacteraceae(0.0086),g:Mariniphaga(0.0043);
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TGCAAGTCAGATGTGAAATCTATGGGCTTAACCCATACACTGCATTGGAAACTGTCTCTCTTGAGTGTCGGAGAGGTA
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nococcaceae(0.3884),g:Oscillibacter(0.0230);
ACGGGAGGCAGCAGTGGGGAATATCGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGTCGGT
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>OTU14916;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Clost
ridiaceae_1(0.1291),g:Clostridium_sensu_stricto(0.0181);
ACGGAAGGCAGCAGCCCAGGATTAGATACCCTGGTAAGATCCGAAGAGCAGACGTCTGAACTCCAGTCACTGTTCTA
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GCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAAGTG
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>OTU14917;tax=d:Bacteria(0.8319),p:"Bacteroidetes"(0.3448),c:"Bacteroidia"(0.0324),o:"Bacteroidales"(0.
0231),f:Prolixibacteraceae(0.0059),g:Tangfeifania(0.0035);
ACGGGAGGCAGCAGGATTAGATACCCTGGTAAGATCGGAAGAGCACACGTCTGAACTCCAGTCACGGTTCGAGATC
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52),f:Spirochaetaceae(0.2864),g:Treponema(0.0423);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGAAAGTCTGACGGAGCGACGCCGCGTGGATGATGAAGGC
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>OTU14918;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Rumi
nococcaceae(0.0457),g:Acetanaerobacterium(0.0076);
ACGGGAGGCAGTAGTGGGGGAGATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGGGAGGGAAGACGG
TCCTCTGGATTGTAAACAGCAGTCTTCGGGGACGAAACGGGACGGTACCCGAGGAGGAAGCGACGGCTAACTACGT
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nospiraceae(0.0560),g:Clostridium_XlVb(0.0134);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
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ridiaceae_1(0.6350),g:Clostridium_sensu_stricto(0.3479);
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ridiaceae_1(0.4563),g:Clostridium_sensu_stricto(0.2607);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
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ostreptococcaceae(0.0904),g:Clostridium_XI(0.0181);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCATGAGGGAAGACGGT
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3639),f:"Porphyromonadaceae"(0.1679),g:Barnesiella(0.0181);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCAAGAGCCTGGACCAGCCAAGTCGCGTGAGGGAAGACGGT
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>OTU14926;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Rumi
nococcaceae(0.1098),g:Ruminococcus(0.0204);
ACGGAAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAAGGAAGACGGT
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0547),f:Prolixibacteraceae(0.0149),g:Sunxiuqinia(0.0056);
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nadales(0.3959),f:Succinivibrionaceae(0.2184),g:Succinivibrio(0.0423);
ACGGGAGGCAGCAGTAGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCCATGCCGCGTGTGTGAAGAAGGC
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>OTU14929;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Eubacteriaceae(0.1098),g:Eubacterium(0.0204);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGTCTTCGGATTGTAAACCTTTGTCCTTGGTGACGAAAAGAATGACGATATCCGAGGAGGAAGCCACGGCTAACTACGTGCCCGCCGCCGCTGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGTGCGCAGGCGGGAGAGCAAGTCAGCTGTGAAATATACGGGCTTAACTCGTAGACTGCAGTTAAAACTGTTCTTCTTGAGTGAAGTAGAGGTAGGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGGCCTTCTGGACTTTAACTGACGCTGAGGCACGAAAGTGTGGGGAGCGAACAGGATTAGATACCCTGGTA
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>OTU14931;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Ruminococcaceae(0.1872),g:Oscillibacter(0.0326);
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>OTU14936;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Rumi
nococcaceae(0.5273),g:Gemmiger(0.0519);
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9063),f:"Prevotellaceae"(0.6709),g:Prevotella(0.3479);
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nospiraceae(0.1485),g:Lachnospiracea_incertae_sedis(0.0326);

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>OTU14942;tax=d:Bacteria(1.0000),p:"Planctomycetes"(0.8808),c:Planctomycetia(0.7114),o:Planctomycetales(0.4280),f:Planctomycetaceae(0.2524),g:Rubinisphaera(0.0326);

GTGCCAGCAGCCGCGGTAACACGTACTGTGCGAACGTTATTCGGAATCACTGGGCTTAAAGGGTGCGTAGGCGGCG
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GTGCGGAACTGCCAGTGGAGCGGTGAAATGTGTTGATATTGGCAGGAACACCGGAGGCGAAAGCGGCACACTGGG
GAATAACTGACGCTGAGGCACGAAAGCCAGGGGAGCGAACGGGATTAGATACCCCGGTAGTCCTGGCTGTAAACGA
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>OTU14940;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lachnospiraceae(0.2524),g:Clostridium_XlVa(0.0615);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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GCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGGCGGCA
AGTCAGATGTGAAATATACGTGCTCAACATGTAGACTGCATTTGAAACTGTCGTTCTTGAGTGAGGTAGAGGTAAGC
GGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATCAGGAGGAACATCAGTGGCGAAGGCGGCTTACTGGGCTTTA
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>OTU14944;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:Sphingobacteriia(0.9812),o:"Sphingobacteriales"(0.9798),f:Chitinophagaceae(0.9852),g:Flavisolibacter(0.4787);

GTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTATCCGGATTCACTGGGTTTAAAGGGTGCGTAGGAGGGC
AGGTAAGTCAGTGGTGAAATCCCCGAGCTTAACTTGGGAACTGCCGTTGATACTATCTGTATTGAATATTGTGGAGGT
GAGCGGAATATGTCATGTAGCGGTGAAATGCTTAGATATGACATAGAACACCAATTGCGAAGGCAGCTCGCTACACA
AATATTGACTCTGAGGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTAGTCCACGCCCTAAACGATGG
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>OTU14947;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Lachnospiraceae(0.2864),g:Clostridium_XlVa(0.0230);

AAGGGGGCAGCAGTGAGGAATATGGGGGAAGGGGAGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGT
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GATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATTCGAGCGTTATCCGGATTTACTGGGTGTAAAGGG
AGCGTAGACGGAGCTGCAAGTCTGATGTGAAAGGCTGGGGCTTAACCCCAGGACTGCATTGGAAACTGTAGATCTT
GAGTGCCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGA
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>OTU14946;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.
7995),f:"Prevotellaceae"(0.5273),g:Prevotella(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
CCTATGGGTTGTAAACTGCTTTTATGCGGGGATAACGTGCACCACGTGTGGTGTATTGCAGGTACCGCATGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTGATTGGGTTTAAAGG
GAGCGTAGGCCGCTGATTAAGCGTGGTGTGACAATCCGGGGCTCAACGCGGGTCGTGCAGCGCGAACTGGAGGGCT
TGAGTGCGCGGTAAGCAGGCGGAATTTGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGGTTGCGA
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>OTU14945;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:Sphingobacteriia(0.0626),o:"Sphingobacte
riales"(0.0413),f:Sphingobacteriaceae(0.0099),g:Mucilaginibacter(0.0046);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGACGGAAACCTGACCCAGCCATGCCGCGTGCAGGAAGACGGT
CCTATGGTTTGTAAACTGCTTTAGCATGGGCGCAATAAGGTGTACGTGTATACCGATGAGCGTATCACGAGAATACG
CACCGGCTAACTCTGTGTCAGTAGCCGCGGTAATACGGAGGGTGCAAGCGTTATCCGGATTTATTGGGTTTAAAGGG
TGCGTAGGCTGTAAGTCAAGTCAGCGGTGAAAAGTGGGGGCTAAACCTATAGGGTGCCGTTGAAACTGATTTACTTG
AGAGTGGGTGGTGCCAGCGGAATGTGTCGAGTAGCGGTGAAATGCATAGATATGACGCGGAAGACCGGTTGCGAA
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acillaceae(0.1872),g:Lactobacillus(0.0519);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
TTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAATGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCA
GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGCGTA
AAGGGAGCGTAGGCGGATTCCTAAGTGGGATGTGAAATACCCGGGCTTAACCTGGGTGCTGCATTCCAAACTGAAA
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>OTU14948;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Negativicutes(0.2321),o:Selenomonadales(0.10
15),f:Veillonellaceae(0.0355),g:Selenomonas(0.0087);

ACGGAAGGCAGCAGTGGGGAATCTTCCGCAATGGGCGCAAGCCTGACGGAGCAACGCCGCGTGAGTGAAGAAGGG
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GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGTGTA
AAGGGTGTGTAGGCGGGCCGACAAGTCAGATGTGAAAACTATGGGCTTAACCCATAGCCTGCATTTGAAACTGCCG
GTCTTGGGAGTGGAGAGGTAAACGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTAG
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>OTU14951;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Bacilli(0.8048),o:Lactobacillales(0.5023),f:Lactob
acillaceae(0.2864),g:Lactobacillus(0.0423);
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CTATTGGGTTGTAAACTGCTTTTATGGGGGGAAAAGGTTCGGGACGTTTCCTGATTTGCAGGTACAACATGAATAAG
GACCGGCTAATTCCCTGTCAGCACCCGCGGTAATACGAAGGTAACAGGCCTTGTCCGGATTTATTGGGCGTAAAGCG
AGTGCAGGCGGTCAAATAAGTCGGATGTGAAAGCCTTCGGCTCAACCGGAGAAGTGCATCAGAAACTGTTGAACTT
GAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGA
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00),f:Mycoplasmataceae(0.0000),g:Mycoplasma(0.0000);
AGCTTCTTCGGCACCTGTTTTACCGCCACCTACAGCTACATCGTCAACGTTCTATTTTGCTAGTTTGACGGTTAATGCTG
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TATTGCTTTTGATGCCGACCCTAAATTTTTTGCCTGTTTGGTTCGCTTTGAGTCTTCTTCGGTTCCGACTACCCTCCCGAC
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>OTU14950;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Pept
ococcaceae_2(0.0560),g:Desulfotomaculum(0.0134);
ACGGAAGGCAGCAGTGGGGAATCTTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
TTTCGGATTGTAAACCTCTGTCCTAAGGGACGAAGGAAGTGACGGTACCCTAGTCGTAAGCCCCGGCTAACTACGCG
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GAGTGGAATTCCCAGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGG
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>OTU14953;tax=d:Bacteria(0.0024),p:"Proteobacteria"(0.0000),c:Betaproteobacteria(0.0000),o:Burkholder
iales(0.0000),f:Burkholderiaceae(0.0000),g:Polynucleobacter(0.0000);

GGAATTGTCTGCGAGCGCTGTGGTGTGGAGGTCACCGAGAGCCGGGTGCGTCGTCACCGGATGGGTTTCATCAAGC
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GGGATGTGGAGCAGATCGTTTACTTCAACTGTTACGTGGTGCTGGACCCCGGCGACCACAAAGAGCTGAAGTACAAA
CAGCTGCTCACCGAGGACGAGTGGCTGGAGATCGAAGACGAGATCTGTGCCGAGGAGTGGGAGAGCGAGAACGAG
CCTGTGGTGGGCATCGGTGCTGAGGTGCTCAAGCAACTGCTCGAAGACCTCAATCTGGAGGAAGGGGCTGAGCAGC
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>OTU14955;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Bacilli(0.9856),o:Lactobacillales(0.9063),f:Lactobacillaceae(0.7428),g:Lactobacillus(0.4351);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCCACGCCGCGTGAGTGAAGAAGGC
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GACGTCACGTCTCACTCCGTGCCCGCCGCCGCGGTAATACGTCGGGGGCTAGCGCTGTCCGGATTTATTGGGCGTAA
AGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCCTCGGCTTAACCGAGGAACTGCATCGGAAACTGTTTGT
CTTGAGTACAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGC
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>OTU14957;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Eubacteriaceae(0.1485),g:Eubacterium(0.0326);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGAAGGC
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GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGGGTACGTAGGCGGTTTCTTAA
GCGCAGGGTTTAAGGCAATGGCCCAACCATTGTTCGCCCTGTGAACTGGGAGACGTGAGTGCGGGGGAGGAAGGC
GGAATTCCTAGTGTAGCGGTGAAATGCGTGGATATTAGGAGAAACCCAAGTGGCGAGGGCGGCTTCTGGACTGTAA
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>OTU14956;tax=d:Bacteria(1.0000),p:Firmicutes(0.3448),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Clostridiaceae_1(0.0149),g:Clostridium_sensu_stricto(0.0066);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAAGCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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GCACCGGTGGTTACATGCAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGCGTGTAGGCGGAGATGCAA
GTTGGGAGTGAAATGCAGGGGCTCAACCCCTGAACTGCTGTCAGAACTGTATCCCTTGAGTGTCGAGGAGGCAAGC
GGAATTCCTAGTGTAGCGGTGAAATGCTTAGATATGAGGAAGAACCCCGATGGCGAAGGCAGCTTACTGGACGGCA
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>OTU14954;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Eubacteriaceae(0.1485),g:Eubacterium(0.0326);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGT
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CAAGTCAGCGGTGAAATGCATGGGCTTAACCCATGAGCTGCCGTTGAAACTGTTATTCTTGAGTGGAGTAGAGGCAG
GCGGAATTCCGAGTGTAGCGGTGAAATACGTAGATATTCTGAGGAACACCAGTGGCGACGGCGGCTAGATGCTTTCT
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6138),f:"Prevotellaceae"(0.3204),g:Prevotella(0.0423);
ACGGAAGGCAGCAGTGAGGAATATTGGTTAATGGACGCAAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCC
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CGTAGGCCGTCGTTTAAGCGTGGTGTGAAATGCCGGGGCTCAACCGTGGCACTGCAGAGCGAACTGGATGAGTTGA
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>OTU14959;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:"Bacteroidia"(0.1159),o:"Bacteroidales"(0.
0547),f:"Porphyromonadaceae"(0.0149),g:Barnesiella(0.0056);
ACGGGCGGCAGCAGGGCGGAAGCTTTTTCCCTGGGCGCAAGCCTGAACCAGCCAAGTCGCGTGAAGGAAGACGGC
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GCATAGGCTAACTCCGTGCCAGCAGCCGCGGTAAAACGGAGGAGGCGAGAGTTATCCGGATTTATTGGGTTTAAAG
GGTGCGTAGGCGGTTTGTCAAGTCAGCTGTCAATCTGCGGTGCTTAACCTCGTATTGCCGTTGAAACTGGCTGACTAG
CGTGGCGTCGAGGTGTGCGGAATGCGTTGTGTAGCGGTGAAATGCATATATAGGACGCAGAACTCCGATAGCGAAG
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1249),f:Bacteroidaceae(0.0252),g:Bacteroides(0.0076);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGCAGGACGACGGC
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GATCGGCTAATTCCGCTCCATCAGCCGCGGTAATACGGAAGATCCGTGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCGGACGAGCAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGGAGAATTGCAGTTGAAACTGTTTGTATTGA
GTACACATAAGGAAGGTGGAATTTGTAGTGTAGCGGTGAAATGCATAGATATCAGGAAGAACACCGATGGCGAAGG
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>OTU14961;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.1905),c:"Bacteroidia"(0.0726),o:"Bacteroidales"(0.
0473),f:"Porphyromonadaceae"(0.0113),g:Barnesiella(0.0056);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGAGGACGGT
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CATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTGTAAAGGG
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AGTGTCGGAGGGGTAATCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAA
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>OTU14962;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Rumi
nococcaceae(0.1679),g:Oscillibacter(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAATGCCGCGTGAAGGAAGAAGGC
CTTCGGGTTGTAAACTTCTTTTATCAGGGACGAAGGATGTGACTGTACCTGATGAATAAGCTCCGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGATGGC
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2359),f:"Porphyromonadaceae"(0.0560),g:Parabacteroides(0.0134);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAAGGATGAAGGT
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nococcaceae(0.0149),g:Ruminococcus(0.0066);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCCACGCCGCGTGAGGGAAGAAGGT
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>OTU14966;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.
7995),f:"Porphyromonadaceae"(0.3884),g:Parabacteroides(0.0808);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTGAGCCTGAACCAGCCAAGTCGCGTGAAGGATTAAGGTT
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>OTU14965;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Rumi
nococcaceae(0.0904),g:Anaerofilum(0.0110);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGAGGAAACTCTGATGCAGCAACACCGCGTGAGGGAAGAAGGT
CTTCGGATTGTAAACCTTTGTTTTTAATGACGAAACAAATGACGGTAGCTAAAGAGGAAGTCACGGCTAACTACGCAC
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5395),f:"Porphyromonadaceae"(0.1872),g:Parabacteroides(0.0519);
ACGGGAGGCAGCAGTGAGGAATATGGGTCAATGGCCGAGAGGCTGAACCAGCAAAGTAGCGTGAAGGAAGAAGG
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9063),f:Bacteroidaceae(0.6350),g:Bacteroides(0.4787);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCACGTAGCGTGAAGGATGACTGCC
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CGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAGGTTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGC
GTAGATGGAGGTTTAAGTCAGTTGTGAAAGTTTTCGGCGCAACCGTAAAAGTGCAGTTGATACTGGATATCTTGAGT
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>OTU14969;tax=d:Bacteria(0.9073),p:"Bacteroidetes"(0.5174),c:Sphingobacteriia(0.0425),o:"Sphingobacte
riales"(0.0291),f:Sphingobacteriaceae(0.0073),g:Pedobacter(0.0039);

ACGGAAGGCAGCAGTGAGGAATATTGGCCAATGGTCGGAAGACTGACCAAGCCATGCCCCGTGCAGGAAGGAGGT
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>OTU14970;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Lachnospiraceae(0.2524),g:Clostridium_XlVa(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
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>OTU14971;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8472),o:"Bacteroidales"(0.6509),f:"Prevotellaceae"(0.3544),g:Prevotella(0.0519);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGAAGGC
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GCGTAGGCCGTCTGGTAAGCGTGTTGTGAAATGTCGTTGCTCAACAACGGCACTGCAGCGCGAACTGCCGGGCTTGA
GTGCGCGCAAAGCGGGCGGAATTTGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGG
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>OTU14972;tax=d:Bacteria(0.7941),p:"Bacteroidetes"(0.1905),c:Flavobacteriia(0.0324),o:"Flavobacteriales"(0.0231),f:Cryomorphaceae(0.0046),g:Fluviicola(0.0032);
ACGGAAGGCAGCAGTAGGGAATATTGGTCAATGGGCGAAAGCTTGAACCAGTTATACCGCGTGCAGGAATAAGGCT
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GGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTATAAGCGTTATCCGGAATCATTGGGTTTAAAGGGTACG
TAGGTTGCTTTGTGGGTTAAAAACCAAATATCAACGCTCAACGTTGTTATGTTTTTAAAACTACATTGCTAGAATATTA
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>OTU14973;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Bacilli(0.9776),o:Lactobacillales(0.9280),f:Lactobacillaceae(0.8505),g:Lactobacillus(0.6200);

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nospiraceae(0.0252),g:Parasporobacterium(0.0056);
ACGGGAGGCAGCAGAGGATTAGATACCCTGGTAAGATCGGAAGAGCACACGTCTGAACTCCAGTCACTGTTCGATCT
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6881),f:"Prevotellaceae"(0.4224),g:Prevotella(0.0519);
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acillaceae(0.2524),g:Lactobacillus(0.0712);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTT
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cteriaceae(0.3544),g:Eubacterium(0.1299);

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GGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTTTT
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acillaceae(0.5273),g:Lactobacillus(0.2607);
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nospiraceae(0.1872),g:Clostridium_XlVa(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
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nococcaceae(0.1098),g:Intestinimonas(0.0110);
ACGGGAGGCAGCAGTGAGGAATATTGGGCAATGGGCGGAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGACGGT
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acillaceae(0.1679),g:Lactobacillus(0.0423);

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acillaceae(0.5632),g:Lactobacillus(0.1735);
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nococcaceae(0.0149),g:Ruminococcus(0.0066);
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acillaceae(0.9201),g:Lactobacillus(0.8124);
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ridiaceae_1(0.1098),g:Clostridium_sensu_stricto(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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8629),f:"Porphyromonadaceae"(0.5991),g:Parabacteroides(0.2171);
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1483),f:"Porphyromonadaceae"(0.0560),g:Barnesiella(0.0087);
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nococcaceae(0.3884),g:Ruminococcus(0.0712);
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1015),f:"Marinilabiaceae"(0.0355),g:Anaerophaga(0.0087);
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nospiraceae(0.3884),g:Coprococcus(0.1299);
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nospiraceae(0.1485),g:Clostridium_XlVa(0.0230);
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anaerovirga(0.0230);
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2359),f:"Porphyromonadaceae"(0.0904),g:Parabacteroides(0.0157);
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39),f:Spirochaetaceae(0.1872),g:Treponema(0.0230);
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riales"(0.1015),f:Sphingobacteriaceae(0.0355),g:Solitalea(0.0076);
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3639),f:Bacteroidaceae(0.0560),g:Bacteroides(0.0134);
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39),f:Spirochaetaceae(0.1872),g:Treponema(0.0230);
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8846),f:"Prevotellaceae"(0.6350),g:Prevotella(0.3043);
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3319),f:"Porphyromonadaceae"(0.1098),g:Parabacteroides(0.0181);
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acillaceae(0.8505),g:Lactobacillus(0.6200);
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nococcaceae(0.4224),g:Ruminococcus(0.0904);
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6509),f:"Prevotellaceae"(0.3204),g:Prevotella(0.0423);
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ridiaceae_1(0.3204),g:Clostridium_sensu_stricto(0.0808);
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7252),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0904);
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6881),f:"Porphyromonadaceae"(0.2524),g:Parabacteroides(0.0615);
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2039),f:"Prevotellaceae"(0.0904),g:Prevotella(0.0181);
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3959),f:Bacteroidaceae(0.1098),g:Bacteroides(0.0204);
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7995),f:"Prevotellaceae"(0.4224),g:Prevotella(0.0904);
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49),f:Veillonellaceae(0.0457),g:Anaerovibrio(0.0110);
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nospiraceae(0.2864),g:Roseburia(0.0712);
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6509),f:"Prevotellaceae"(0.3544),g:Prevotella(0.0423);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCCGAACCAGCCAAGTAGCGTGCAGGACGACGGC
CCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTGGTCCACGCGTGGCCTTTTGCAGGTACCGCATGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGCAGGCCGCCGGGCAAGCGTGTGGTGAAATGCAGGCGCCCAACGTCTGCAGTGCAGCGCGAACTGCGCAGCT
GGAATGCGCGCAACGTGGGAGGAATGCGCAGTGTAGCGGTGAAATGCTTAGATATGGCGAAGAACTCCGATTGCGA
AGGCAGCTGACGGGTGCGTAATTGACGCTCATGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU15104;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9762),o:Clostridiales(0.9497),f:Rumi
nococcaceae(0.9015),g:Faecalibacterium(0.5239);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCAGCGTGGAGGAAGAAGGT
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GCAGCCGCGGTAAAACGTAGGTCACAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGAAGACA
AGTTGGAAGTGAAATCCATGGGCTCAACCCCTGAACTGCTTTGAGAACTGTTTTTCTGGAGTAGGGCAGATGTAGGC
GGAATTCCCGGTGTAGCGGTGGAATGCGTAGATATCGGGAGGAACACCGGTTGCGAAGGCGGCCTACTGGGCACCA
ACTGACGCTGAGGCTCGAAAGTGCGGGTAGCAAACAGGATTAGATACCCTGGTA
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7),f:Holophagaceae(0.7787),g:Holophaga(0.0904);
GTGCCAGCCGCCGCGGTAATACAGAGGGGGCAAGCGTTATTCGGAATTATTGGGCGTAAAGGGCGCGTAGGCGGT
GTCTTAAGTGAGATGTGTAATCCCCGAGCTTAACTTGGGAACTGCATCTCAGACTGGGGCGCTAGAGTGCTGGAGCG
GGTGGTGGAATTCCACGTGTAGCGGTGAAATGCGTAGAGATGTGGAGGAACACCAGTGGCGAAGGCGGCCACCTG
GACAGTAACTGACGCTGAGGCGCGAAAGTGTGGGTAGCAAACAGGATTAGATACCCTGGTAGTCCACGCTGTAAAC
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>OTU15106;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Rumi
nococcaceae(0.0457),g:Intestinimonas(0.0076);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAGGGACGACTGC
CCTATGGGTTGTAAACCTCTTTTGAATGGGAACAAAGAGCGCCACGTGTGGTGCGTTGCGTGTGCCTTTCGAATAAGC
ATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGATGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGC
GTGTAGGCGGAGGAGCAAGTCAGATGTGAAATCCATGGGCTTAACCCATGAACTGCATTTGAAACTGTTCCCCTTGA
GTATCGGAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAG
GCGGCCTGCTGGGCTTTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15108;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8472),o:"Bacteroidales"(0.
6509),f:"Prevotellaceae"(0.3204),g:Prevotella(0.0326);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACTGC
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ATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGCAGGCCGTAGGGTAAGCGTGTTGTGAAATGCCGTCGCTCAACCACGGCACTGCAGCGCGAACTGCCGTACTTGA
GTGCGCGCGAGGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACCCCGATTGCGAAGG
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>OTU15110;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9867),c:Flavobacteriia(0.9180),o:"Flavobacteriales
"(0.8303),f:Cryomorphaceae(0.5273),g:Fluviicola(0.0904);

GTGTCAGCCGCCGCGGTAATACGGAGGGTGCAAGCGTTATCCGGAATCATTGGGTTTAAAGGGTCCGCAGGCGGAT
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GGGCGGAATGTGTAGTGTAGCGGTGAAATGCTTAGATATTACACAGAACACCGATAGCGAAGGCAGCTCACTAGGC
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nococcaceae(0.1872),g:Intestinimonas(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGGCCCAGCAACGCCGCGTGAAGGAAGAAGGC
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CCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCTTGA
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GCGGAATGCCCTGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGGCG
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>OTU15111;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Clost
ridiaceae_1(0.1679),g:Clostridium_sensu_stricto(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGT
CTTCGGATTGTAAAGCTCTGTCTTTGGGGTCGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGCAGGCGGACCGGCA
AGTTGGAAGTGAAAACTATGGGCTCAACTCCTAAACTGCATTTGAAACTGACCCCCTTGAGTATCGGAGAGGCAGGC
GGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACGAC
AACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15109;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Pept
ococcaceae_1(0.2184),g:Peptococcus(0.0615);
ATGGGAGGCAGCAGTAGGGAATCTTCCGCAATGGGCGAAAGCCTGACGGAGCAATGCCGCGTGAGTGAAGAAGGC
CTTCGGGTTGTAAAGCTCTATCCTTGTCCAAGAGAGCAGGGTATAGTAACTGATAGTCTGAGGACGGTAGACAAGAA
GGAAGCCCCGGCTAACTATGTGCCAGCAGCCGCGGTAATACATAGGGGGCAAGCGTTGTCCGGAATCACTGGGCGT
AAAGGGCGCGTAGGCGGTCGGTTAAGTCTGATGTGAAATGTAAGGGCTCAACCCATAACGTGCATCGGAGACTGGG
CGACTTGAGTGCGGAAGAGGCAAGTGGAATTCCAAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGT
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GTA
>OTU15112;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:"Bacteroidia"(0.1740),o:"Bacteroidales"(0.
0781),f:Prolixibacteraceae(0.0252),g:Tangfeifania(0.0076);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCAGGATGACGGC
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GCATCGGCTAACTCCGTGCCAGCAGCCGCGGAATACGGAGGATGCAAGCGTTATCCGGATTTATTGGGTTTAAAGGG
TGCGTAGGCTGTGCGGTAAGTCAGAGGTGAAAGGTCTGGGCTCAACGCGGGAACTGCCTTGGATACTGTCGTGCTG
GAGTGCGGGAGCGGTAGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGAGATCACGAAGAACACCGATTGCGA
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2999),f:"Prevotellaceae"(0.0904),g:Prevotella(0.0134);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCAAGTAGCGTGCAGGAGGACGGT
CCTATGGGTTGTAAACTGCTTTTATGCGGGGATAACGTGTGGGACGTGTCCCATATTGCAGGTACCGCATGAATAAG
CATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCGGGGTGGTAAGTCAGCGGTCAAATTGCCGGGCGCAACGCGGTCAGGCCGTTGATACTGCCGTTCTCG
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>OTU15116;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Bacilli(0.9733),o:Lactobacillales(0.8737),f:Lactob
acillaceae(0.6350),g:Lactobacillus(0.4351);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGG
TTTCGGCTCGTAAAGCTCTGTTGGTAGTGAAGAAAGATAGGGGTAGTAACTGGCCTTTATTTTACGGTAAGTACTAAG
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AAGCGAGGGCAGGCGGTTAAATAAGTCTGATGTGAAAGTCTTCGGCTTAACCGGAGAATTACATCAGAAACTGTTGA
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>OTU15113;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lach
nospiraceae(0.2864),g:Coprococcus(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGCGGGACGAAGGC
CCTCGGGTTGTAAACCGCTCTCAGCAGGGAAGACTTCGACTGTACCTGCAGAAGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCCGAGCA
AGTCAGAAGTGAAAACCCAGGGCTCAACTCTGGGATTGCTTTTGAAACTGTCCGGCTAGATTTCAGGAGAGGTAAGC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGAC
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>OTU15117;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.
4652),f:"Prevotellaceae"(0.1485),g:Prevotella(0.0326);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGCAAGGCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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GATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCGGAGGATCAAGTCAGCTGTGAAATGTAGATGCTCAACATCTGCACTGCAGTTGAAACTGGTTCCCTTG
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GCAGCTTGCCGGGCCGCGACTGACGCTGAAGCTCGAAGGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU15115;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4812),o:Clostridiales(0.2039),f:Eubacteriaceae(0.0560),g:Alkalibacter(0.0110);
ACGGAAGGCAGCAGTGGGGAATATTGGACAATGGGGGAAACCCTGATCCAGCGACGCCGCGTGGAGGAAGAAGGT
TTTCGGATTGTAAACTCCTGTCGTAAGGGACGATGATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCA
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AGAGTGAAGTGAAAGTCCTGCTTTCAAGGTGGGAATTGCTTTGCAGACTGTCGGGCTTGAGTGCGGAAGAGGTAAG
TGGAATTCCCAGTGTAGCGGTGAAATGCGTGGAGATTGGGAGGAACACCAGTGGCGAAGGCGACTTACTGGGCCGT
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>OTU15119;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachnospiraceae(0.5273),g:Coprococcus(0.2607);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAATTA
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CACCCCCGGCAATATGCAGGCGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCGGAGCAAG
TCAGAAGTGAAAGCCCGGGGCTCAACCGCGGGATGGCTTTTGAAACTGTCCTGCTTGATTTCAGGAGAGGTAGGCG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACTCCGGTGGCGAAGGCGGCTTACTGGACTGACA
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>OTU15118;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3639),f:Ruminococcaceae(0.1291),g:Clostridium_III(0.0134);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
CTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGGACGTGACGGAACCTGGAGAAAAAGCAAAGGCTAACTACGTA
CAAGCAGCCGCGGAAATACGTAGGTTCAAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGATG
CAAGTTGGGAGTGAAATCCATGGGCTCAACCCATGAACTGCTCTGAAAACTGTATCCCTTAAGTATCGGAGAGGCAA
GCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGACTGCTGGACTT
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>OTU15122;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.9063),f:"Prevotellaceae"(0.6350),g:Prevotella(0.2607);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
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ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCCGGAGATCAAGCGTGTTGTGAAATGTAGTGGCTCAACCTCTGAACTGCGGCGCGAACTGGCCTTCTTGA
GTAAGCACAACGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGG
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>OTU15120;tax=d:Bacteria(1.0000),p:Firmicutes(0.1905),c:Clostridia(0.0726),o:Clostridiales(0.0473),f:Peptococcaceae_2(0.0113),g:Desulfotomaculum(0.0056);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
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CCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGAGCGTAGGCGGTTAAT
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>OTU15121;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Ruminococcaceae(0.1485),g:Clostridium_III(0.0326);
ACGGAGGCAGCAATGGGGAATATTGCGCAATGGGGGCAACCCTGACGCCGCAACGCCGCGTGCAGGAAGAAGGTC
TTCGGATTGTAAACTGTTGTCGCAAGGGAAGAAGACAGTGACGGTACCTTGTGAGAAAGTCACGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGTGACGAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGACTGTC
AAGTCAGTCGTGAAATACCGGGGCTTAACCCCGGGGCTGCGATTGAAACTGACAGCCTTGAGTATCGGAGAGGAAA
GCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACGA
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>OTU15123;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8755),o:"Bacteroidales"(0.7252),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0615);
ACGGAAGGCAGCAGTGAGGAATAGTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGC
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GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCCGCCTTTTAAGCGTGGTGTGAAATGTAGGGGCTCAACCCCTGCACTGCAGCGCGAACTGGAGGGCTT
GAGTACACGGAAGGTAGGCGGAATTCATGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACCCCGAGTGCGAA
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>OTU15127;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:"Bacteroidia"(0.2902),o:"Bacteroidales"(0.1249),f:"Porphyromonadaceae"(0.0457),g:Barnesiella(0.0066);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGT
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CACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAAGATGCGAGCGTTATCCGGATTTATTGGGTGTAAAGGG
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>OTU15126;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9994),c:Gammaproteobacteria(0.9776),o:Pseudo
monadales(0.8955),f:Pseudomonadaceae(0.8505),g:Pseudomonas(0.4351);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGCGAAAGCCTGATCCAGCCATGCCGCGTGTGTGAAGAAGGT
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nospiraceae(0.4224),g:Roseburia(0.1735);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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"(0.0000),f:Flavobacteriaceae(0.0000),g:Psychroflexus(0.0000);
CCGACTACCCTCCCGACTGCCTATGATGTTTATCCTTTGGATGGTCGCCATCATAGTCGCTTTTATACTGTCAAGGCCT
GTGTGACTATTCACGTCCTTCCCCGTACGCCGGGCAATAATGTTTATGTTGGTTTCATGGTCTGGTCTAACTTTACCGC
TACTAAATGCCGCGGATTGGTTTCGCTGAATCAGGTTATTAAAGAGATTATTTGTCTCCAGCCACTTAAGTGAGGTGA
TTTATGTTTGGTGCGATTGCGGGCGGTATTGCTTCTGCTCTTGCTGGTGGCGCCATGTGTGAAGTGTTGGGAGGCGG
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>OTU15125;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.5174),c:Sphingobacteriia(0.0626),o:"Sphingobacte
riales"(0.0413),f:Sphingobacteriaceae(0.0099),g:Olivibacter(0.0046);

ACGGGAGGCAGCAGTGAGGAATATTGGGCAATGGGGGGAACCCTGACCCAGCCATGCCGCGTGAGGGAAGGAGG
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AGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAGG
GGTGCGCAGGCGGCGCGTCAAGTCAGGGGTGAAATTCCGGTGCTCAACCCCGGAGGTGCCGTTGATACTGTCGGGC
TGGAGTGCGGACGAGGCAGGCGGAATTCGGTGTGTAGCGGTGAAATGCTTAGATATCACAAGGAACCCCGATTGCG
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ACGGAAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAAGGAAGACGGT
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GCAGCAGCGGTAATACGTAGGGAGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCGGAGCA
AGTCAGAAGTGAAAGCCCGGGGCTCAACCCCGGGACGGCCTTTGAAACTGCCCTGCTTGATTTCAGGAGAGGTAAG
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>OTU15130;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Lachnospiraceae(0.5991),g:Clostridium_XlVa(0.3479);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
TTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGGGCA
AGTCTGAAGTGAAAGCCCGGGGCCCAACCCCGGGACTGCTTTGGAAACTGTCTGGCTGGAGTGCAGGAGAGGTAAG
CGGAATTCCTAGCGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGT
AACTGACGTTGAGGCTCGAAAGCGTAGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15132;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Defluviitaleaceae(0.0457),g:Defluviitalea(0.0087);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
TTTCGGCATGTAAAGTTCTATCAGCAGGGAAGAAGAAATGACGGTATCTGACTAAGAAGCCCCGGCTAACACCGTGC
CAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTATTGGGTGTAAAGGGTGCGTAGGCGGAAGTGC
AAGTCAGCGGTGAAATCCCCGCGCTCAACGCATGAGTTGCCGTTGATACTGTTCATCTGGAGTACACTAGCCGTGAG
AGGAATGAGTAGTGTAGCGGTGAAATGCATAGATATTACTCAGAACACCGATTGCGAAGGCATCTCACGAAGGGGC
GATTGACGCTGAGGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU15131;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Ruminococcaceae(0.1872),g:Saccharofermentans(0.0326);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGATGAAGGT
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CAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGCCGACAAG
TCAGATGTGAAATCCGCGGGCTTAACCCGCGAACTGCATTTGAAACTGTTGGTCTTGAGTATCGGAGAGGTCATCGG
AATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGTCTACTGGACGATAAC
TGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15133;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Bacilli(0.8897),o:Lactobacillales(0.6138),f:Lactob
acillaceae(0.4224),g:Lactobacillus(0.0904);
AAGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGG
TTTCGGCTCGTAAAGCTCTGTTGGTAGTGAAGAAAGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATTACTTAG
AAAGTCACGGCTGACTACGTGCCAGCAGCCGCGGTAATAAGTAGGTGGCAAGCGTTGTCCGTATTTATTGGGCGTAA
AGGGAACGCAGGCGGTCCTTTAAGTCTGATGTGACAGCCTTCGGCTTAACCGAATAATTGCATTGGAAACTGTAGGA
CTTGAGTGCAGAAGCGGAGATTGGAACTCCATGTGTAGCGGTGAAATTTGTAGATATATGGAAGAACACCAGTGGC
GAAAGCGGCTCTCTTGTCTGTAACCGTCGCTGAGGTTCGAAAGTGTGGGTAGCCTACAGGCTTAGATACCCTGTTA
>OTU15135;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.8988),c:Spirochaetia(0.7497),o:Spirochaetales(0.46
52),f:Spirochaetaceae(0.2864),g:Treponema(0.0519);
ACGGGAGGCAGCAGCTAAGAATATTCGGCAATGGGGGAAACCCTGACGGAGCGTCGCCGGGGGGACGATGAAGGC
CGGAGGGTTGTAAAGTCCTTTGATGACTGAGGAGTAGGTGAAGTGAGGGAAACGCTTCGTGGTGACTGTAGGTCGT
GAATACGCAACGGCTAATTACGTGCCAGCAGCTACAGTAACACGTAAGTTGCGAGGGTTGTTCGGAATTATTGGGCG
TAAAGGGTATGTAGGCGGTTCTGCAAGCCTGGTGTGAAATGCCGGGGCTCAACCCCGGAACTGCGTTGGAAACTGC
AGGACTTGAATAGCTGAGGGGCAGCCAGAATTCCAGGTGTAGGGGTGAAATCTGTAGATATCTGGAAGAATACCCA
TGGCGAAGGCAGGCTGCCAGCAGATGATTGACGCTGAGGTACGAAGGTGCGGGGAGCAAACAGGATTAGATACCC
TGGTA
>OTU15136;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Lach
nospiraceae(0.0252),g:Clostridium_XlVa(0.0056);
ACGGAAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATGCCGCGTGAAGGACTAAGGCC
CTATGGGTCGTAAACTTCTTTTGACGCAGAGCAATAAGGATTACGTGTAGTCCGATGAGAGTATGCGTCGAATAAGC
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATCCGGAGGATGCAAGCGTTATCCGGATTTATTGGGCGTAAAGGGC
GCGTAGACGGCCGAGTAAGGTATAGGTGAAAGCCCATCTTTCAAGGATAGAACTGCCTGTAATACTGCCTGGCTTGA
GTGCAGGAGAGGGAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAG
GCGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15137;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Rumi
nococcaceae(0.3204),g:Sporobacter(0.0423);

ACTGTAGGCAGCAGTGGGGAATCTTTTTCCCTTTTTTCCACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTT
TGGGTTGTAAACTTCTTTTACCAGGGACGAAGAAAGTGACGGTACCTGGAGAAAAAGCCACGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGGTGCAA
GTCAGAAGTGAAATCCACGGGCTTAACTCGTGAACTGCTTTTGAAACTGTACCCCTTGAGTATCGGAGAGGCAGGCG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACGACAA
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>OTU15134;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Lachnospiraceae(0.0904),g:Coprococcus(0.0134);
CGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTAT
CTCGGTATGTAAACTTCTATCAGCAGGGAAGATAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAG
CAGCCGCGGTAATACGTCGGTGGCGAGCGTTGTCCGGAATTATTGGGTTTAAAGGGTGCGTAGGCGGCGCGTCAAG
CCGGTGGTAAAATTGCGGGGCTCAACCCCGTAGAGCCATCGGAACTGGCGTGCTTGAGTGGAGAAGAAGTATGCGG
AATGCGAGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACTCCGATTGCGAAGGCAGCATGCCAGCCGCCGAC
TGACGCTGAGGCACGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU15138;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.9063),f:Bacteroidaceae(0.5991),g:Bacteroides(0.4351);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTCGCGTGAAGGATGACTGT
CCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCAGGTATGGATACCCGTTTGCATGTACTATATGTATAAGG
ATCGGCTAACTCCTAGCCAGCAGCCGCGGTAATACGGAGGAACCGAGCGTTAACCGGATTTATTGGGTGTAAAGGG
AGCGTAGATGGATGTTTAAGTTAGAAGTGAAAGTTTGCAGCTCAACCGGGGAATTGCAGTTGATACTGGATATCTTG
AGTGAGGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAG
GCAGCCTGCTAAGCTGCAACTGACATTGAGGCGCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU15141;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9798),o:"Bacteroidales"(0.9753),f:Bacteroidaceae(0.8505),g:Bacteroides(0.7643);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
CCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTAGGGTACGGATAGCATTTTGTATGTACTATATGAATAAGG
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGTGGATGTTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGATGTCTTGA
GTGCAGTAGAGGCGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGG
CAGCCTGCTAGACTGCCACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU15140;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:Flavobacteriia(0.0726),o:"Flavobacteriales"(0.0473),f:Flavobacteriaceae(0.0113),g:Ornithobacterium(0.0056);

ACGGAAGGCAGCAGTGAGGAATATTGGACAATGGAGGCAACTCTGATCCAGCCATGCCGCGTGAAGGACTACGGCC
CTATGGGCTGTAAACTTCTTTTGACCCGGGGCAATAAGGGCCACGTGTGGTCCTTTGTAGGTATGCTTTGAATAAGCA
TCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGGTGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGA
GCGTAGGCGGATTTGCAAGTCTGCGGTGAAAGGCCGGGGCTCAACGCGGAAAGTGCGGTGGATACTGGGAGGCTG
GAATGCGGACGATGTGGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCACGAAGAACACCGATTGCGA
AGGCAGCTAACAAAGCCGTAATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU15139;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Rumi
nococcaceae(0.1872),g:Intestinimonas(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
TTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGAAAGTGACGGTACCTGGAGAAAAAGCCACGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGACGTGTAGGCGGAAGTG
CAAGTCAGAAGTGAAATCCACGGGCTTAACTAGGGAACAGCGTTTGATGCTGTACCCTTTGAGTATCGGAGAGGCAG
GCGGAAATCCTAGGGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCGGCCTGCAGGACG
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>OTU15144;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9812),o:"Bacteroidales"(0.
9798),f:Bacteroidaceae(0.9108),g:Bacteroides(0.9085);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
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GCGTAGGCGGACGCTTAAGTCAGTTGGGAAAGGTTGCGGCTCAAACGTAAAATTGCAGTTGATACTGGGTGTCGTG
AGTACAGTAGAGGCGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATAGCACGAAGAACTCCGAGTGCGAA
GGCAGCCTGCTGGACTGTAACTGACGCGGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGCCTGGTA
>OTU15145;tax=d:Bacteria(0.5679),p:"Proteobacteria"(0.1310),c:Gammaproteobacteria(0.0425),o:Altero
monadales(0.0291),f:Shewanellaceae(0.0073),g:Shewanella(0.0039);
ACGGAAGGCAGCAGCCGCGGTAATACGAGGGGCCCGAGCGTTAATCAGAATCACTGGGCTTAAAGCGTACGCAGGC
GGTCCAGCAAGCGTCTTGTGAAATCCCTCGGCTCAACCGGGGAAGTGCAGGGCGAACTGCTGGACTTGAAGCAGGT
ATGGGCTGATGGAACCATGAGTGGAGCGGTGAAATGCGTAGATATTCATGGGAACGCCGATGGGGAAGCCGATCA
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707),f:Erysipelotrichaceae(0.9573),g:Turicibacter(0.9743);
ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCAGACCGAGCAACGCCGCGTGAATGATGAAGGC
CTTCGGGTTGTAAAATTCTGTTATAAGGGAAGAATGGCTCTAGTAGGAAATGGCTAGAGTGTGACGGTACCTTATGA
GAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGAATTATTGGGCGT

AAAGAGCGCGCAGGTGGTTGATTAAGTCTGATGTGAAAGCCCACGGCTTAACCGTGGAGGGTCATTGGAAACTGGT
CAACTTGAGTGCAGAAGAGGGAAGTGGAATTCCATGTGTAGTGGTGAAATGCGTAGAGATATTGAGGAACACCAGT
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GTA
>OTU15143;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Rumi
nococcaceae(0.1872),g:Clostridium_IV(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
TTTCGGGTTGTAAACTTCTTTTGTCGGGGACGAGTAGAAGACCGTACATGGCGAATGATACCCGGCTAACTACGTCCC
GGCAACCGCGGTAATACGTCGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGAAGGCA
AGTCAGATGTGAAATCCACGGGCTTAACTCCTGAACTGCATTTGAAACTGTGCTTCTGGAGTATCGGAGAGGCAAGC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTGGGAGGAACACCAGAGGCGAAGGCGACTTACTGGGCCGTA
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bacteriales"(0.8629),f:Enterobacteriaceae(0.7428),g:Escherichia/Shigella(0.3479);
ACGGGAGGCAGCAGTGAGGAATATTGCACAATGGGCGCAAGCCGGATGCAGCCATGCCGCGTGTATGATGAAGGC
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AGAAGCACAGTCTAACTCCGTGCCAGCAGCCGAGGTAATACGTAGGGTGCAAGCGTTAATCGGAATTACTGGGCGT
AAAGGGCACGCAGGCGGTTTGTTAAGTCAGACGTGAAATCCCCGGGCTCAACCTGTGGAATGCCTCTGATACTGGCA
AGCTTGAGTCTCGTAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTG
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GTA
>OTU15147;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9791),o:"Entero
bacteriales"(0.9063),f:Enterobacteriaceae(0.8864),g:Escherichia/Shigella(0.4787);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTTTATGAATCAGGCC
TTCGGGTTGTAAAGTACTTTCAGCGGGGCGGACGGGAGTAAAGTTAATACCTTTGCTCATTGACGTTACCCTCAGAAG
AAGCACCGGCTAACTCCTTTCCAGCAGCCGCGGTAATACGGCTGGTGCAAGCGTTAATCGGAATTACTGGTCGTAAA
GCGCACGCAGGCGGTTTGTTAAGTCAGATGTGAAATCCCCGGGCTCAACCTGGGAAATGCATCTGATACTGGCAAGC
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GAAGGCGGCCCCCTGGACGAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGT
A
>OTU15148;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Rumi
nococcaceae(0.4914),g:Ruminococcus(0.1735);

ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGT
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AGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGGGGACC
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CGGAATTCCCGGTGTAGCGGTGAAATGCATAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTTT
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>OTU15149;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9168),c:Alphaproteobacteria(0.6346),o:Rhodospir
illales(0.2359),f:Rhodospirillaceae(0.1098),g:Dongia(0.0204);
GTGTCAGCAGCCGCGGTAATACGAAGGGAGCTAGCGTTGTTCGGAATTACTGGGCGTAAAGGGCGTGTAGGCGGCT
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3639),f:"Porphyromonadaceae"(0.0904),g:Parabacteroides(0.0134);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGTAGCCTGAACCAGCCAAGTCGCGTGAGGGATGACGGC
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ridiaceae_1(0.2184),g:Clostridium_sensu_stricto(0.0615);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
TTTCGGATCGTAAAGCTCTGTCTTTGGGGAAGATAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTGCCA
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GAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATGA
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>OTU15152;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Rumi
nococcaceae(0.3544),g:Ruminococcus(0.0808);

ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGTT
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CACCCGCGGAAATGCAGAGGGACCACGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCAGAGCAA
GTCAGATGTGAAAGCCGTGGGCTTAACCCACGAACTGCATTTGAAACTGTTTTGCTTGAGTGAAGTAGAGGCAGGCG
GAATTCCCTGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTAA
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>OTU15154;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Lach
nospiraceae(0.0904),g:Parasporobacterium(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGACGGT
TTTCGGATTGTAAACTTCTTTTCTTTGTGAAGAAACAAATGACGGTAGCAAAGGAATAAGCATCGGCTAACTACGTGC
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>OTU15155;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.8267),c:Deltaproteobacteria(0.5963),o:Desulfovib
rionales(0.3319),f:Desulfovibrionaceae(0.1485),g:Desulfovibrio(0.0326);
ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGT
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>OTU15153;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9671),c:"Bacteroidia"(0.6346),o:"Bacteroidales"(0.
3639),f:"Prevotellaceae"(0.1098),g:Prevotella(0.0134);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGAAGGACGACTGC
CCTATGGTTTTTAAACTTTTTTTATGCGGGGTTAAATTTCGCCACGTTGGGCGTTTTGCAGGTCCCGCATGATTAAGGA
CCGCCTAATTCCGTGCCGGCAGCCGGGGTAATACGGAAGTTCCAGGCGTTATCCGGATTCATGGGGTTTAAAGGGAG
CGTAGGCCGCCTTTTAAGCGTGTTGTGAAATGTAGGGGCTCAACCCCTGCACTGCAGCGCGAACTGGAGGGCTTGAG
TACACACAAAGTAGGCGGAATTCATGGTGTAGCGGTGAAATGCTTAGATATCATGAAGAACCCCAATTGCGAAGGCA
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>OTU15156;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Rumi
nococcaceae(0.1485),g:Subdoligranulum(0.0181);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGTGTGAAGGAAGACGGT
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CAGCAGCCGCGGTAATACGTAGGATGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGGACATC
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TGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCAGGAGGAAAACCGGTGGCGAAGGCGGCTTTCTGGACCGT
AACTGACGCTGAGGTACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15157;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Alphaproteobacteria(0.9776),o:Rhizobial
es(0.8412),f:Hyphomicrobiaceae(0.4914),g:Rhodoplanes(0.3043);

TACGGAAGGCAGCAGTAGGGAATATTGGACAATGGGCGCAAGCCTGATCCAGCCATGCCGCGTGGGTGATGAAGG
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AGCAGCCGCGGTAATACGAAGGGGGCTAGCGTTGCTCGGAATCACTGGGCGTAAAGCGCACGTAGGCGGATCTTTA
AGTCAGGGGTGAAATCCCGGAGCTCAACTCCGGAACTGCCTTTGATACTGAGGATCTCGAGTCCGGGAGAGGTGAG
TGGAACTGCGAGTGTAGAGGTGAAATTCGTAGATATTCGCAAGAACACCAGTGGCGAAGGCGGCTCACTGGCCCGG
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>OTU15158;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Bacilli(0.7497),o:Lactobacillales(0.4280),f:Lactob
acillaceae(0.2524),g:Lactobacillus(0.0712);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGAAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGG
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AAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATTACTGGGTGTA
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GCTTGAGTGGAGTAGAGGCAAGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTG
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TA

>OTU15159;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Rumi
nococcaceae(0.0904),g:Saccharofermentans(0.0134);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGGT
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GCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGTGTAGGCGGGACT
TCAAGTTGGATGTGAAAGGTCAAGGCTTAACCTTGGCACTGCATCCAAAACTGTAGTTCTCGAGTGGAGTAGAGGTA
AGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGAC
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>OTU15162;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.
7995),f:"Porphyromonadaceae"(0.3884),g:Parabacteroides(0.1299);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGAGAGGCTGAACCAGCCAAGTCGCGTGAAGGATGAAGGA
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TCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGCG
CGTAGGCGGGACGTCAAGTCAGCGGTAAAAGACTGCAGCTAAACTGTAGCACGCCGTTGAAACTGGGGGGCTTGAG
TATGTTTGAGGCAGGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACCCCGATTGCGAAGGC
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>OTU15161;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Rumi
nococcaceae(0.5273),g:Intestinimonas(0.0615);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
TTTCGGGTTGTAAACTTCTTTTGTCAGGGACGAAACAAATGACGGTACCTGACGAATAAGCCACGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGAGTGC
AAGTCAGATGTGAAAATTATGGGCTCAACCCATAAATTGCTTTCAAAACTGCTGGCCTTGAGTAGTGCAGAGGTAGG
TGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGACGAAGGCGGCTTTCTGGACTGA
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>OTU15160;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Lach
nospiraceae(0.2184),g:Syntrophococcus(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGATGCCGCGTGAGGGATGAAGTA
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AGTCTGAAGTGAAATCATAGGGCTCAACCCTGGAATTGCTTTTGAAACTGTAAGTCTTGAGTGCCGGAGGGGCAGGC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATCAGGAAGAACACCGGTGGCGAAGGCGGATTGCTGGACGGCA
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>OTU15163;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9740),o:"Bacteroidales"(0.
9172),f:Bacteroidaceae(0.6350),g:Bacteroides(0.4787);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGAAGACTGC
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GCGTAGATGGATGCTTAAGTCAGCTGTGAAAGCTTGCGGCTCAACCGTGAAATTGCAGTTGATACTGGAGATCTTGA
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>OTU15165;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9989),c:Gammaproteobacteria(0.9321),o:"Entero
bacteriales"(0.5766),f:Enterobacteriaceae(0.3884),g:Escherichia/Shigella(0.0712);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGTCGCAATCCTGATGCAGCCATTCCTCGTGTATGAAGAAGGCCT
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ACGCACCGGCTAACTCCGTGCTAGCAGCCCCGGTCATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAA
GCGCACGCAGGCGGATTGTTAAGTCAGATGGGAAATCCCCGGGCTCAACCTGGGAACTGCAGCAGAAAATGGCAAG
AATGAGGATCGTAGAGGGGGGGAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATATGGAGGAATACCGGTGG
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>OTU15166;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.
6881),f:"Prevotellaceae"(0.3204),g:Alloprevotella(0.0712);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGCAAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTCTGGTTGTAAACTGCTTTTAGTCGGGAATAAAAGGGCGCACGTTTGCGCCGTATTGCAAGTACCGTCAGAAAAA
GGCCCGGCTAATTCCGTGCCAGCACCCGCGGTATTACGGAAGGTCCGGGCTTTATCCGGATTTATTGGGTTTAAAGG
GAGCGTAGGCGGTCTGGTAAGTCAGCTGTGAAGACGCGGGGCTCAACTCGGGGCATGCAGTGGGTACTGGCGGAC
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>OTU15164;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Rumi
nococcaceae(0.3544),g:Gemmiger(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGATGAAGAAGTT
TTTCGGATTGTAAACTCCTGTCCGAGGGGACGATAATGACGGTACCCTGGTAGGAAGCACCGGCTAACTACGTGCCA
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AGTTGGGAGTGAAATCTCTGGGCTCAACCCATATATTGCTTTCAAAACTGTCAGTCTTGAGTGGTGGAGAGGTAAGC
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9497),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
CTTATGGGTTGTAAACCTCTTTTATATGGGAATAAAGTATTCCACGCGTGGGATATTGTAAGTACCATATGAATAAGG
ATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGTGGATTGTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAGATTGCAGTTGAAACTGGCAGTCTTGA
GTACGGTAGAGGTGTGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGG
CAGCACACTATACTGAGACTGACACTGATGCTCGAAAGTGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU15168;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9740),o:"Bacteroidales"(0.
9172),f:Bacteroidaceae(0.6709),g:Bacteroides(0.5239);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCACGTAGCTTGAAGGATGACTTCC
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CTGCCAACTCCGTGCCAGCAGCCTCGGTAATACGGAGGATCAGAGCGTTATCCGGATTTATTGGGTTTAAAGGGCGC
GTAGATGGATGTTTAAGTCAGTTGTGAAAGGTGGAGGCTCAACGGTAGAATTGCAGTTGATACTGGATATATTGAGT
GCAGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCAAGAAGAACTCCGATTGCGAAGGCA
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>OTU15169;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.
9063),f:Bacteroidaceae(0.6350),g:Bacteroides(0.4787);
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CCTATGGGTCGTAAACTTCTTTTGTATAAGGATAAATTGCAGTATGTGTGCTGTTTTGTATGTATTATATGAATAAGGA
TCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGTAGGTCGTCTGTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGCAGACTTGCAGTTGATACTGGCAGTCTTGAGT
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>OTU15170;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.4311),c:Spirochaetia(0.2321),o:Spirochaetales(0.10
15),f:Spirochaetaceae(0.0355),g:Treponema(0.0087);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
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>OTU15172;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Lach
nospiraceae(0.6709),g:Clostridium_XlVa(0.5239);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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>OTU15171;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9474),c:Betaproteobacteria(0.4812),o:Burkholder
iales(0.2359),f:Burkholderiales_incertae_sedis(0.0904),g:Rubrivivax(0.0181);

ACGGGAGGCAGCAGTGAGGAATTTTGGTCAATGGGGGAAACCCTGATCCAGCCATGCCGCGTGCGGGAAGAAGGC
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TAAGCACCGGCTAATTACGTGCCAGCAGCCGCGGCAATACGTAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAA
AGCGTGCGCAGGCGGTTGGATAAGACAGATGTGAAATCCCGGGGCTTAACCTGGGAAGCGCATTTGTGACTGGCTG
ACTGGAGTATGTCAGAGGGAGGTGGAATTCGACGTGTAGCAGTGAAATGCGTAGATATGTGGAAGAACACCGATGG
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>OTU15175;tax=d:Bacteria(0.0041),p:"Bacteroidetes"(0.0000),c:Cytophagia(0.0000),o:Cytophagales(0.000
0),f:Cytophagaceae(0.0000),g:Emticicia(0.0000);

GTTGGATGAGGCGACGTGGCTTACTATGCTTGGCACGTTCGTCAAGGACTGGTTTAGATATGAGTCACATTTTGTTCA
TGGTAGAGATTCTCTTGTTGACATTTTAAAAGAGCGTGGATTACTATCTGAGTCCGATGCTGTTCAACCACTAATAGGT
AAGAAATCATGAGTCAAGTTACTGAACAATCCGTACGTTTCCAGACCGCTTTGGCCTCTATTAAGCTCATTCAGGCTTC
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>OTU15173;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9605),c:"Bacteroidia"(0.8755),o:"Bacteroidales"(0.
7252),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0712);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
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GTCTCGTAGAGGGGGGTAGAATGCCAGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAG
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>OTU15174;tax=d:Bacteria(1.0000),p:Firmicutes(0.2586),c:Bacilli(0.0726),o:Bacillales(0.0473),f:Bacillaceae
_1(0.0113),g:Bacillus(0.0056);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGCAGGAAGAAGGC
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GCAGCCGCGGCAATACGTACGGCGCAAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCAACTAA
GTCTGGAGTGAAAGTCCTGCGTTTAAGGTTGGAATTGCTTTGGGAACTGGATGGCTTGAGTGCAGTAGAGGTGAGC
GGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAAGAACACCAATGGCGAAGGCAGCTTACTGGGCTGTA
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>OTU15176;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9507),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.
4652),f:"Prevotellaceae"(0.1872),g:Alloprevotella(0.0230);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGCCGCAAGGCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGC
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GGACCGGCTAATTACGTGGCAGCAGCCGCGGTGATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAG
GGAGCGTAGGCGGTCTAGTAAGTCAGCTGTGAAAACGCGGGGCTCAACTCCGCACCTGCATTTGATACTGCCGGACT
TGAGTGCACGCAGGGATGACGGAATTCATGGTGTAGCGGTGTAATGCTTTGATATCATGAAGAACTCCGATCGCGAA
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>OTU15178;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Rumi
nococcaceae(0.2864),g:Clostridium_IV(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGTA
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riales"(0.0000),f:Sphingobacteriaceae(0.0000),g:Mucilaginibacter(0.0000);
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ococcaceae(0.0149),g:Streptococcus(0.0066);
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9798),f:Bacteroidaceae(0.9387),g:Bacteroides(0.9705);
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CGTAGGTGGACTGGTAAGTCAGTTGTGAAAGGTAGCGGCTCAACCGTAAAAGTGCGGTGTATACTGGCAGTCTTGA
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>OTU15183;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9835),c:Spirochaetia(0.9719),o:Spirochaetales(0.88
46),f:Spirochaetaceae(0.8146),g:Treponema(0.5239);
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bacteriales"(0.8737),f:Enterobacteriaceae(0.7787),g:Escherichia/Shigella(0.3479);
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ridiaceae_1(0.5991),g:Clostridium_sensu_stricto(0.4351);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
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GGAATTCCTGGTGTAGCGGTGAAATGCGTAGAGATTGGGAGGAACACCAGTAGCGAAGGCGACTCTCTGGGCTGTA
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>OTU15186;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9784),o:Clostridiales(0.9707),f:Clost
ridiaceae_1(0.6350),g:Clostridium_sensu_stricto(0.4787);
AGGGGAGGAAGAAGGGGGGAAGAGTGGACAAGGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTAATGAAGG
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AGCAGCCGTGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTA
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>OTU15185;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6036),c:Sphingobacteriia(0.0726),o:"Sphingobacte
riales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Solitalea(0.0056);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCGGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
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>OTU15187;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:"Bacteroidia"(0.0726),o:"Bacteroidales"(0.
0473),f:Prolixibacteraceae(0.0113),g:Prolixibacter(0.0056);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
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AGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGTTTCATTGGGTTTAAAG
GGTGCGTAGGCTGGGCGTCAAGGTAGGAGTGAAAGTCCGGGGCTTAACTCCTGAGCTGCCCTTGAAACTGTCGCGC
TGGAGTGCGGATGATGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACTCAGAACACCGATTGCG
AAGGCATCTGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA
>OTU15188;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:"Bacteroidia"(0.5579),o:"Bacteroidales"(0.
2999),f:"Porphyromonadaceae"(0.1485),g:Butyricimonas(0.0326);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAATGG
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GTGCAGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAG
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monadales(0.0547),f:Desulfuromonadaceae(0.0149),g:Pelobacter(0.0066);
ACGGGAGGCAGCAGTGGGGAACCTTGCGCAATGGAGGAAACTCTGACGCAGCCATGCCGCGTGCGTGATGAAGGC
CTTCGGGTTGTAAAGCTCTGTCTAAGGGGAAAAATGATGCGATGTCGAATAGGCATGGCAAGTGATGGTACCCTTAA
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GCTGGGCTTGAATACGGGAGAGGTTGGGGGAATTCCTGGTGTAGAGGTGAAAGTCGTAGATATCAGGAGGAACACT
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CTGGTA
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38),f:Spirochaetaceae(0.4224),g:Treponema(0.0712);
ACGGAAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGGATGATGAAGGC
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AAGGGCATGTAGGCGGTTATCTAAGCTTGGTGTGTAATGCAGGTGCTTAACTCCTGGACTACGTTTAGAACTGGATA
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>OTU15191;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:Sphingobacteriia(0.0726),o:"Sphingobacte
riales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Solitalea(0.0056);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
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GCATCGGCTAATTCGGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGG
GTGCGTAGGCTGTGCGTCAAGTCAGTGGTGAAATGTAGGGGCCCAACTCCGGGGCTGCCCTTGATACTGTCGCGCTG
GAGTGCGCATGACGCCGGCGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACTAAGAACACCGATTGCGAA
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7252),f:"Porphyromonadaceae"(0.4563),g:Parabacteroides(0.1299);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGAGAGGCTGAACCAGCCAAGTCGCGTGAAGGATGAAGGA
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ATCGGCTGACTCCGTGTCAGCAGCCGCCGTAATACGGAGTATGTGGGCGTTATCCGGATTTATTGGGTTTAAAGGGT
GCGTAGGTGGTCTTTTAAGTCAGCGGTGAAATTTTGTGGCTCAACCATAGAATTGCCATTGAAACTGGGAGACTTGA
GTATGTTTGGGGTAGGCGGAATGCCTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACACCAATTGCGAAGG
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acillaceae(0.0000),g:Lactobacillus(0.0000);
TAGTTTGACGGTTAATGCTGGTATTGGTGGTTTTCTTCATTGCATTCCGATGGATACATCTGTCAACGCCGCTAATCTG
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CCGCTACTAAATGCCGCGGATTGGCTGCGCTGAAGCAGGTTATTAAAGAGATTATTTGTCTACAGCCACTTAAGGGA
GGTGATTTATGTGTGGTGCTA
>OTU15194;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Lach
nospiraceae(0.2864),g:Ruminococcus2(0.0712);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGGAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
TTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCTCCGGCTAAATACGTGCCA
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GGAATTCCGAGTGTAACGGTTAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTA
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>OTU15195;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9882),o:Lactobacillales(0.9389),f:Lactob
acillaceae(0.8505),g:Lactobacillus(0.4351);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGA
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GAAAGTCCCGGCTAACTACGTGCCCGCAGCCTCGGTGGTACGTCGGGGGCAAGCGTTATCCGGATTTATTGGGCGTA
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GACTTGAGTGCAGAAGAGGACAGTGGAATTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTG
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>OTU15196;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:"Bacteroidia"(0.1740),o:"Bacteroidales"(0.
0781),f:Prolixibacteraceae(0.0252),g:Prolixibacter(0.0076);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGAGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
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GGTGCGTAGGCTGTGCGTCAAGTCAGGGGTGAAATTCAGGGGCTCAACGCCTGAGCTGCCCATGATACTGGCGCCCT
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>OTU15197;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Clost
ridiaceae_1(0.1872),g:Clostridium_sensu_stricto(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAAAGCAGCGTGGGTGATGAAGGT
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GGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATTACGAAGAACCCCGGTGGCGAAGGCGACTTACTGGACGATA
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3319),f:Bacteroidaceae(0.0457),g:Bacteroides(0.0110);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGAAGGC
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GTTTTGTCAACGTCATTGGAATTCTTAGTGTAGCGGTGAAATGCTTAGATATTACGAAGAACTCCGATTGCGAAGGCA
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>OTU15200;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9747),o:Lactobacillales(0.9063),f:Lactob
acillaceae(0.8146),g:Lactobacillus(0.4351);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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>OTU15202;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Bacilli(0.9711),o:Lactobacillales(0.8303),f:Lactob
acillaceae(0.5273),g:Lactobacillus(0.1735);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGAAAGCCTGATGGAGCAACACCGCGTGCGTGAAGAAGGG
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GAAAGTCACGGTTAACTACGTGCCAGCAGCTGCGGTAATACGTAGGTGGCAAGTGCTATCCGGATTTATTGGGCGTA
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>OTU15198;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.3483),o:Clostridiales(0.1249),f:Eubacteriaceae(0.0457),g:Alkalibacter(0.0110);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGGAAGCCTGACCCAGCAACGCCGCGTGAGTGAAGAAGGC
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CAGCAGCCGCGGTAATACGTAGGGGGAGAGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGTGTAGGCGGTTGAA
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>OTU15201;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Ruminococcaceae(0.3204),g:Ruminococcus(0.0904);

ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGC
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AGCAGCCGCGGTAATACGGAGGGAGCAAGCGTTGACCGGAATTACTGGGTGTAAAGGGTGCGTAGGCGGCAGAGC
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>OTU15203;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9992),c:Alphaproteobacteria(0.9947),o:Sphingomonadales(0.9389),f:Erythrobacteraceae(0.7787),g:Erythrobacter(0.6200);

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GAATTCCGAGTGTAGAGGTGAAATTCGTAGATATTCGGAAGAACACCAGTGGCGAAGGCGACTCACTGGACAGTTA
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>OTU15206;tax=d:Bacteria(1.0000),p:SR1(0.9991),g:SR1_genera_incertae_sedis(0.9910);

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ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGAAGCAACGCCGCGTGAAGGAAGACGGT
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>OTU15208;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Peptostreptococcaceae(0.0904),g:Clostridium_XI(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGAACAATGGGAGAAAGTCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
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nospiraceae(0.4563),g:Lachnospiracea_incertae_sedis(0.1735);
AAGGGAGGAAGAAGGGGGGAAGATTGCACAATGGGGGAAACCCTGATGCAGCAACGACGCGTGAGTGAAGAAGT
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riales"(0.0413),f:Sphingobacteriaceae(0.0099),g:Parapedobacter(0.0046);
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nococcaceae(0.3884),g:Ruminococcus(0.0808);
ACGGAAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGT
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ridiaceae_1(0.0457),g:Clostridium_sensu_stricto(0.0110);
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0547),f:"Prevotellaceae"(0.0149),g:Prevotella(0.0066);
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5766),f:Bacteroidaceae(0.1291),g:Bacteroides(0.0230);
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nospiraceae(0.1679),g:Clostridium_XlVa(0.0326);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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nococcaceae(0.0457),g:Oscillibacter(0.0110);
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nospiraceae(0.4563),g:Clostridium_XlVa(0.1299);
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6509),f:"Prevotellaceae"(0.3884),g:Prevotella(0.1299);
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riales"(0.1719),f:Chitinophagaceae(0.0457),g:Crenotalea(0.0110);
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1249),f:"Porphyromonadaceae"(0.0457),g:Barnesiella(0.0110);
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nococcaceae(0.1098),g:Ruminococcus(0.0204);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAGGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGT
CCTATGGATTGTAAACTGCTTTTTTCGGGGAATAATAAGACTTTTGCGAAGGTTGATGCAGGTACCCGAAGAATAAG
GATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATTCGAGCGTTATCCGGAATTATTGGGTGTAAAGG
GTGCGTAGGCGGGACGTAAAGTCAGATGTGAAATGCGGAGGCTCAACCTCCGAACTGCATTTGAAACTTACGTTCTT
GAGTGGAGTAGAGGCAGGCGGAATTCCCCGTGTAGCGGTGAAATGCGTAGAGATGGGGAGGAACACCAGTGGCGA
AGGCGGCCTGCTGGGCTTTAACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU15239;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Rumi
nococcaceae(0.0149),g:Ruminococcus(0.0066);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGAAGTT
TTTCGGATTGTAAACCTCTGTTTTCGGTGACGAACAAATGACGGTAACCGAGTAGGAAGCCACGTCTAACTACGTGCC
AGCAGCCGCGGTAATACGTAGGGAGCAAGCGGTGTCCGGATTTACTGGGTGTAAAGGGTTCGTAGGCGGCAGAGC
AAGTCAGATGTGAAATCCGTGGGCTTAACGCGAGAACTGCATGTGAGACTGTGTTGGTTGAGTGCAGTATAGGCAA
GCGGAATGCCGTGTGTAGCGGTGAAATGCGTAGAGATAGTGAGGAACATCAGTGGCGAATGGGGACTGCTGGGGT
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>OTU15240;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Euba
cteriaceae(0.1098),g:Eubacterium(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGT
TTTCTGATTTTAAACCTCTTTTTTCGGTGACGTACAAATGACGGTAACCGAGTAGTAATCCACGGCTTACTACTTGCCA
GCAGCTGCGTCAATACGTAGGTCGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGATCGCAGGCGGTATAGCAA
GTCAGCTGTGAAAACTATGGGCTCAACCCATAAACTGCAGTTGAAACTGTTATTCTTGAGTGGAGTAGAGGCGAGCG

GAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACTCTAA
CTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15243;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Bacilli(0.9856),o:Lactobacillales(0.9063),f:Lactob
acillaceae(0.8146),g:Lactobacillus(0.3479);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAGGACGGG
TTTCGTCTCGTAAAGCTCCGTTGGTGGTGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTACACAACCA
GAAAGTCACGGCTAACTACGTGCAAGCTGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTA
AACCGAGCGCAGGCGGTTGCTTCGGTCTGATGTGAAAGCCTTCGGCATAACCGAAGAACTGCACCGGAAACCGGGC
AACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTTGAATGCGTTGATATCTGGAAGAACACCGGTG
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>OTU15241;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9726),o:"Bacteroidales"(0.
8955),f:"Porphyromonadaceae"(0.6709),g:Parabacteroides(0.5239);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGCCGAGAGGCTGAACCAGCCAAGTCGCGTGAAGGAAGAAGGA
TCTATGGTTTGTAAACTTCTTTTATAGGGGAATAAAGTGTAGGACGTGTGCTTTTTTGTATGTACCCTATGAATACGCA
TCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGTGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGTAGGTGGTCATTTAAGTCAGCAGTGAAATGTCGGGGCTCAACCAGGGAATTGCAGTGGGAACTGGGTTACTTGA
GTGTGTATGAGGTAGGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGAAGAACTCCGATTGCGAAGG
CAGCTTACTGAACCATAACTGACGCTGAAGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA
>OTU15242;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.
9606),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGCAGCGTGAAGGATGAAGGT
CCTATGGATTGTAAACTTTTTTTATACGGGAATAAATTGCAGTATGTATACTGTTTTGTATGTACCGTATGAATAAGGC
ACGGCTAACTCTGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGTAGGCGGAGGCTTAAGTCAGTCGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGACGTCTTGAG
TACAGTAGAGGCAGGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACACCGATTGCGAAGGC
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>OTU15244;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Lach
nospiraceae(0.2524),g:Clostridium_XlVa(0.0615);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
TCTCGGTATGTTAAGCTCTATCAGTAGGGAAGAAAATGACGGTACCTGACTAAGAAGCTCCGGCCAACTACGTGCCA
GCAGCCGTGGTAATATGCAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCGATGCAA
GTCTGGAGTGAAAGCCCAGGGCTCAACCCTGGAACTGCTTTGGAAACTGTATGGCTAGAGTGCTGGAGAGGTAAGT

GGAATTCGTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCAGCTTACTGGACAGTA
ACTGACGTTGAAGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15246;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachnospiraceae(0.3204),g:Ruminococcus2(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGAAGCAGCGAAGCCGCGTGAGCGAAGAAGTA
TCTCGGTATGTAAAGCTCTGTCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCACGGCTAACTACGTGACA
GCAGCCGCGGTAATACGTAGGGGGCAAGCATTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAGAGGCA
AGTCTGATGTGAAAACCCGGGGCCCAACCCGTGGAGTGCATTGGGAACTGTTGATCTGGAGTGCCGGAGGCGTTAG
TGGAATTCCTAGTGTAGCGGTGAAATGCTTAGATATTAGGATGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTA
ACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15245;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Ruminococcaceae(0.4563),g:Ruminococcus(0.1735);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGT
TTTCGGATTGTAAGTTCCTTTATTCAGGACGAATAAGTGACGGTACTTAATGAATAAGCCCCGCCTAATAACTTGCCA
GCAGCCGCGGCATTACGTGGGGAGCAAGTGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCAGAGCAA
GTCAGATGTGAAATCCGTGGGCTTAACCCACGAACTGCATTTGAAACTGTTTTGCTTGAGTGAAGTAGAGGCAGACG
GAATTCCCTGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTAA
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>OTU15248;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:"Bacteroidia"(0.0726),o:"Bacteroidales"(0.0473),f:"Rikenellaceae"(0.0113),g:Alistipes(0.0056);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
CCTATGGGCTGTGAACCGCTTTTGCCCGGGGGTAATCAGGGCGTCGTGCACGTCCGTTGAGAGTACCAGGGGAATAA
GCACCGGCAACCTCCGGGCCAGCAGCCGCTGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAG
GGTGCGTAGGCTGTTTGTCAAGTCAGAGGTGAAATTCCGGGGCTTAACTCCGGGGCTGCCCTTGATACTGTCGGACT
GGAGAGCAGATGCGGCCGGAGGAATGTGTGGTGTAGCGGTGAAATGCTTAGATATCACACAGAACACCGATTGCGA
AGGCAGCTGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA
>OTU15247;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachnospiraceae(0.3544),g:Clostridium_XlVa(0.0904);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCCACGCCGCGTGAGTGAAGAAGTA
TTTCGGTATGTAAAGCTCTATTAGTAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCTGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCTTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGACGGATAGGCAA
GTCTAATGTGAAAACCCGAGGCTCAACCCCGGGATTGCATTGAAAACTGTTTATCTGGAGTGCCGAAGGGGAAAGTG

GAATTCCTAGTGTAGAGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGTCGGTAA
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>OTU15251;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9762),o:"Bacteroidales"(0.
9497),f:"Porphyromonadaceae"(0.9108),g:Parabacteroides(0.7643);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGAGACGCTGAACCAGCCAAGCCGCGTGAAGGAAGAAGGA
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TCGGCCAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTG
CGTAGGTGGTGATTTAAGTCAGCGGTGAAAGTTTGTGGCTCAACCATAGAATTGCCGTTGGAACTGGGTTACTTGGG
TGAGTTTGGGGGAGGCGGAATGCGTGGGGTAGCGGTTAAATGCATAGATATCACGCAGAACTCCGAGTGGGAAGG
CAGCTTACTAAGCCGTAACTGACACTTGAGCACGAAAGCGTGGGGATCAAACAGGATTTGATACCCTGGTA
>OTU15250;tax=d:Bacteria(1.0000),p:"Fibrobacteres"(0.9989),c:"Fibrobacteria"(0.9812),o:"Fibrobacterales
"(0.9798),f:"Fibrobacteraceae"(0.9868),g:Fibrobacter(0.9818);
ACGGGAGGCAGCAGTAGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCACGTGTGGGAAGAAGCA
TTTCGGTGTGTAAACCACTGTCGTGAGGGAATAATACGCGGTTTCGGCCGCGGGGGAATGTACCTCGAGAGGAAGC
ACCGGCAAACTTCGTGCCAGCAGCCGCGGTAATACGAGGGGTGCAAGCGTTGTTCGGAATCACTGGGCGTAAAGGG
AGCGTAGGCGGATGTTCAAGCGGATTGTACAATCCCGGGGCCCAACCCCGGACCTGCAGTTCGAACTGGATATCTTG
GATAGTTCAGGGGCAGGCGGAATTCCTGGTGTAGCGGTGGAATGCGTAGAGATCAGGAAGAACACCGATGGCGAA
GGCAGCCTGCTGGGGACTTATCGACGCTGAGGCTCGAAAGCGCGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU15249;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:Flavobacteriia(0.2321),o:"Flavobacteriales
"(0.1015),f:Flavobacteriaceae(0.0355),g:Ornithobacterium(0.0087);
ACGGAAGGCAGCAGTGAGGAATATTGGACAATGGCCGGAAGGCTGATCCAGCCATGCCGTGTGCGGGAAGACGGC
CCTATGGGTTGTAAACCGCTTTTGTTGGGGAGCAATAAGGTCCACGAGTGGATCGATGAGAGTACCCAGCGAATAAG
CATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCAAGCGTTATCCGGATTTATTGGGTTTAAAGGG
TGCGCAGGCGGCTTGTTAAGCGGGAGGTGAAATGCCGGCGCTCAACGTCGGAAGTGCCTCCCGAACTGGTGAGCTA
GAATGACTCTGCCGTGGGAGGAATGTGTAGTGTAGCGGTGAAATGCTTAGAGATTACACAGAACACCGATTGCGAA
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>OTU15252;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9867),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.
6881),f:"Rikenellaceae"(0.4914),g:Alistipes(0.3043);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCATGCCGCGTGCAGGAAGACGGC
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ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGT
GCGCAGGCCGTTTGATAAGCTTGTGGTGAAATGCCCGGGCTTAACTCCGGCATTGCATCTAGAACTGTTGGACTAGA

GAGTAGTTGAGGCAGGCGGAATGTATGGTGTAGCGGTGAAATGCTTAGAGATCACGAAGAACACCGATTGCGAAG
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>OTU15255;tax=d:Bacteria(0.0041),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Clostridiales(0.0000),f:Rumi
nococcaceae(0.0000),g:Faecalibacterium(0.0000);
ATTCCACTGCACCAACTGAACGGCCTGGAAACCCTGGTCATACTCATGGTGGCGAATACGTCCGCGTTCTTTCAAATC
ACCAGAAGGCGGTTCCTGAATGAATGGGAAGCCTTCAAGAAGGTGATAAGCAGGAGAAACATACGAAGGCGCATAA
CGATACCACTGACCCTCAGCAATCTTAAACTTCTTAGACGAATCACCAGAACGGAAAACATCCTTCATAGAAATTTCAC
GCGGCGGCAAGTTGCCATACAAAACAGGGTCGCCAGCAATATCGGGAGAAGTCAAAGCACCTGTAGCGTTAAGGTA
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>OTU15253;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Rumi
nococcaceae(0.4224),g:Oscillibacter(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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CGCAGTCTCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGAGGGCA
AGTCAGATGTGAAATCCACGGGCTCAACTAGTGAACTGCATTTGAAACTACGCTTCTAGAGTATCGGAGAGGAAATC
GGAATTCCTAGTGTAGCGGTGAAGTGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGACA
ACTGGCGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15254;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Euba
cteriaceae(0.1291),g:Eubacterium(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGT
TTTCGGATTGTAAACCTCTGTTTTCGGTGACGAACAAATGACGGTAACCGAGTAGGAAGCCACGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGATAG
CAAGTCAACTGTGAAAACTATGGGCTCAACCCATAAACTGCAGTTGAAAATGTTATTCTTGAGTGGAGTAGAGGCAA
GCGGAATGCCGAGGGTAGCGTGGAAAGGCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCT
CAAACGGACGCGGAGGCGCGAAAGTGGGGGGAGCAAACAGAATGAGATACCCTGGTA
>OTU15258;tax=d:Bacteria(0.0058),p:"Actinobacteria"(0.0000),c:Actinobacteria(0.0000),o:Actinomycetales
(0.0000),f:Glycomycetaceae(0.0000),g:Glycomyces(0.0000);
ACGAGCCCGAGCGCGGTCGGTCGCCCTCCAACCTTTGTTACTCGTCAGCAACTCGACATCATCTTCGGTTAAATCCAC
ACCGGCAGAAGCCTGAATGATCTTAATAGAGGCCAAAGCGGTCTGGAAACGTACGGATTGTTCAGTAACTTGACTCA
TGATTTCTTACCTATTAGTGGTTGAACAGCATCGGACTCAGATAGTAATCCACGCTCTTTTAAAATGTCAACAAGAGAA
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CTCAGCCAACGAGTCAGTTTTTGACAGAATCGTG

>OTU15257;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachnospiraceae(0.2864),g:Dorea(0.0712);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAAGGATGAAGTATTTCGGTATGTAAACTTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTTTGCAAGCCAGATGTGAAAGCCCGGGGCTCAACTCCGTATTGCGTTGGAAACTGCCTAACTAGAGTATCGGAGAGGTGGGCGGAACTACAAGTGTAGAGGTGAAATTCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTAACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU15256;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Peptococcaceae_2(0.0149),g:Desulfotomaculum(0.0066);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGGTTTCGGCTCGTAAACCTCTGTCCTATGGGACGAAGGAAGTGACGGTACCATAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGCGCGTAGACGGGCATGTAAGTCAGATGTGAAATACCGGGGCTCAACTCCGGGGCTGCATTTGAAACTGCAAGTCTTGAGTGCAGGAGAGGGAAGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTAGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU15259;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8520),f:"Porphyromonadaceae"(0.2864),g:Parabacteroides(0.0808);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGATAGGCTGAACCAGCCAAGTCGCGTGAAGGATGAAGGATCTATGGTTTGTAAACTTCTTTTATACGGGAATAAAGTGAGCCACGTGTGGTTTTTTGTATGTACCGTATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGTGGTCTTGTAAGTCAGTTGTGAAAGTTTGTGGCTCAACCATAAAATTGCAGTTGATACTGGCAGTCTTGAGTATGTTAGAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCGTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCGCCAGGCCATAACTGACACTGAAGCACGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU15261;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8628),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3319),f:"Prevotellaceae"(0.0904),g:Prevotella(0.0087);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGCCGCGTGAAGGACGACGGCCTTATGGGTTGTAAACTGTTTCTATGCGGGGATAAAGTGGGCTACGTGTGGCCTTTTGCAGGTACCGCTTGATTAAGGACCGCCTAATACCGCGTCAGCAGCCGCGGTTATACGGAAGGTCCGGGCGTAATCCGGATTTATTGGGCTTAAAGGGAGCGCAGGCCGCCGGGCAAGCGTGATGTGAAAGGCAGTCGCTCAACGTCTGAACTGCAGCGCGAACTGCACAGCTTGAGTGCGCGCAACGTTAGCGGAATTCGCCGTGTAGCGGTGAAATGCTTAGATATTGCGAAGAACACCGATGGCGAAGGCAGCTGACGGGTGCGTAACTGACGCTGATGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU15262;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8520),f:"Prevotellaceae"(0.5632),g:Prevotella(0.2171);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAAGGGAATAAAGTGAGTCTCGTGAGGCTTTTTGCATGTACCTTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTAACCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGGAGATTAAGCGCGGTGGGAGAAGGCGGGGGTTAAACTGGGGAATGGAGCGCGAAATGGCAGACTTGAGGGCGGAGGAAGTAGGCGGAAATCGGTGTGTAGCGGTGAAATGGTTAGATAAGGAGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGTAACTGACGCTGAAGCTCGAAAGGGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU15260;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Lachnospiraceae(0.1872),g:Clostridium_XlVa(0.0423);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGCACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGTTTGATAAGTTAGAGGTGAAATACCGGTGCTTAACACCGGAACTGCCTCTAATACTGTTGAACTAGAGAGTAGTTGCGGTAGGCGGAATTCCCTGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTAACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU15264;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9180),o:"Bacteroidales"(0.8303),f:"Prevotellaceae"(0.4563),g:Prevotella(0.0808);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTGGGCCACGCGTGGCCTTTTGCAGGTACCGCATGAATAAGGATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCTGCTGGGCAAGCGAGCTGTGAAAGTCAGTCGCTCAACTTTTGCACTGCAGCGCGAACTGCCCAGCTTGAGTGCGCGCAACGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCTGGCGAGGGCGTAACTGACGCTCATGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU15263;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9348),c:Deltaproteobacteria(0.7881),o:Desulfovibrionales(0.4652),f:Desulfovibrionaceae(0.1679),g:Desulfovibrio(0.0423);

ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGGGTGAGGGATGAAGGTCTTCGGATCGTAAACCTCTGTCAGAAGGGAAGAATAAGCATTGTTCTAATCAGCAGTGCCCTGACGGTACCTTCAAAGGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAAAACGGAGGGGGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGCATGTAGGCTGTACGGCAAGTTGGAGGTGAAAACCCACGGCTGAACCGTGGAACTGCCTTCAAAACGACCGGACTGGAGTGCGAAGGAGGATAGCGGAATTCCAAGTGTAGGAGTGAAATACGTAGATATCTGGAAAGACATCAGTGGCGAAGGCGGCTAACTGGCTCGTAACTGGCGCTGAGATGCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU15265;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:"Bacteroidia"(0.0726),o:"Bacteroidales"(0.0473),f:Prolixibacteraceae(0.0113),g:Prolixibacter(0.0056);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTCCCAGGCGAATAAGCATCGGCTAACTCCGTGCAAGCAGCCGCGGTAATACGGGGGATGCGGGGGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCTGTGCGTCAAGTCTGGGGTGAAATGCCGGTGCGCAACGCCTGGGCTGCCGTGGGTACTGTCGCGCTGGAGTGCGGATGCCGCCGGAGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACTCAGAACACCGATTGCGAAGGCAGCTGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA

>OTU15266;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9861),o:Lactobacillales(0.8955),f:Lactobacillaceae(0.7428),g:Lactobacillus(0.3915);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGCAACTGTTCACGCAGTGACGGTATCCAACCAGAAAGTCACGGCTAACTAAGTGCCAGCAGCCGCGGTAATACGTCTGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTGCTTAAGTGTGATGTGAAAGCCCTCGGCTTAACCGGAGGAGTGCATCGCAAACCGGGAGACTTGAGTGCAGAAGAGGAGAGTGGAACTCCAAGTGTAGCGGTGGAATGCGTAGAGATATGGAAGAACACCAGTAGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGGAGCGAACAAGATTAGATACCCTGGTA

>OTU15268;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9988),c:Epsilonproteobacteria(0.9762),o:Campylobacterales(0.8737),f:Helicobacteraceae(0.7787),g:Sulfurovum(0.6681);

GTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTACTCGGAATCACTGGGCGTAAAGCGCGCGCAGGCGGTCTTTTAAGTTGGATGTGAAAGCCTACGGCTTAACCGTAGAACTGCATCCAAAACTATTAGACTAGAGTGTGGGAGAGGAAGATGGAATTAGTTGTGTAGGGGTAAAATCCGTAGAGATAACTAGGAATACCAAAAGCGAAGGCAATCTTCTGGAACACTACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCCGGTAGTCC

>OTU15267;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.6881),f:"Prevotellaceae"(0.3204),g:Prevotella(0.0519);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGTTTTTATGCGGGGATAAAGTGGGCCACGTGTGGCCTTTTGCAGGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGCCGGGCAAGCGTGTCGTGAAATGCCGTCGCTCAACGTCGGAACTGCAGTTCGAACTGCACAGCTAGAGTGCGGGAAAGGTTGGTGGAATTCGCCGTGTAGCGGTGAAATGCTTAGAGATGGCGAAGAACTCCGATTGCGAAGGCAGCTGACGGGTGCGTAACTGACGCTCATGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU15270;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9671),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.6138),f:Bacteroidaceae(0.1485),g:Bacteroides(0.0326);

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GCGCAGGCCGCCCCTTAAGCGTGTTGTGAAATGCCGCGGCTCAACCGTGGCACTGCAGCGCGAACTGGGGGGCTTG
AGTACGCGCAGCGCAGGCGGAACTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAGG
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>OTU15273;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9769),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.
3959),f:"Prevotellaceae"(0.0904),g:Prevotella(0.0157);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGGAGCCTGAAACAGCCAAGTAGCGTGCAGGATGGCGGC
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GACCGGCTAATTCCGTTCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTCATTGGGTTTAAAGGG
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GGAGTGCGCACAGGGCAGGGGGGACGCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACACCGAACGCG
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>OTU15271;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9988),c:Betaproteobacteria(0.9604),o:Burkholder
iales(0.8412),f:Sutterellaceae(0.6350),g:Sutterella(0.4787);
ACGGAAGGCAGCAGTGGGGAATTTTGGACAATGGGGGCAACCCTGATCCAGCCATGCCGCGTGCAGGATGAAGGC
CTTCGGGTTGTAAACTGCTTTTGTCAGGGAAGAAAAAGACCGGGTTAATAACATGGTCTGCTGACGGTACCTGAAGA
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GGCTAGAGTTCATCAGAGGTGGGTGGAATTCCAAGTGTAGCAGTGAAATGCGTAGAGATTTGGAAGAACACCAATG
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>OTU15272;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9933),c:"Bacteroidia"(0.8048),o:"Bacteroidales"(0.
5395),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0230);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
CCTATGGGTTGTAAATTGCTTTTATGCGGGGATACAGTGGGCCACGCGTGGCCTTTTGCAGATACCGTATGAATAAG
GACCGGCTCATTCCGTTCCAGCAGCCGCGGTGATACGGAAGGTCCGGGCGTTATCCGGACTTATTGGGTTTAAAGGG
AGCGCAGGTCGCCGGGCAAGCGTGTTGTGAAATGCAGCGGCTCAACGTCTGGAGGGCAGCGCGAACTGCTCGGCTT
GAGTGCGGGAAAGGTTGGCGGAATTCGACGTGTAGCGGTGAAATGCGTAGAGATGGGGAAGAACTCCGATTGCGA
AGGCGGCTGACGGGTGCGTAACTGACGCTGAGGCTCGAAGGTGCGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU15269;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Rumi
nococcaceae(0.0457),g:Intestinimonas(0.0087);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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CAGCAGCCGCGGTAATACGGAAGATGCGCGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGCTGTT
AAGTCAGCGGTCAAATGTCAGGGCCCAACATTGGCATGCCGTTGATACTGGCGGCCTTGAGTTCACACAAGGAAGGT
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>OTU15275;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Bacilli(0.8048),o:Lactobacillales(0.4652),f:Entero
coccaceae(0.2524),g:Enterococcus(0.0615);
ACGGAAGGCAGCAGTAGGGAATCTTCGGCAATGGACGCAAGTCTGACCGAGCAACGCCGCGTGAGTGAAGAAGGT
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>OTU15274;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.8628),c:Deltaproteobacteria(0.6730),o:Desulfovib
rionales(0.3959),f:Desulfovibrionaceae(0.1679),g:Desulfovibrio(0.0423);
GTGTCAGCAGCCGCGGTAATACGGAAGGTGCGAGCGTTAATCGGAATCACTGGGCGTAAAGCGCACGTAGGCGGCA
TTGTAAGTCAGTGGTGAAAGCCCTCGGCTCAGCCGGGGAATTGCCATTGATACAGCTTTGCTTGAGTCTCGGAGAGG
TTGGCGGAATTCCAGGTGTAGGAGTGAAATCCGTAGATATCTGGAGGAACACCAGCGGCGAAGGCGGCCTGCTGGA
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>OTU15276;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.8448),c:Actinobacteria(0.6346),o:Actinomycetales
(0.3639),f:Actinomycetaceae(0.1872),g:Actinomyces(0.0519);
ACGGAAGGCAGCAGTGGGGAATTTTGCACAATGGACGCAAGTCTGATGCAGCGACGCCGCGTGAGGGATGGAGGC
CTTCGGGTTGTGAACCTCTTTCGCTCATGGTCAAGCCGCACGTGTGCGTGTGGTGAGGGTAGTGGGTAAAGAAGCGC
CGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGCGCGAGCGTTGTCCGGAATTATTGGGCGTAAAGGGAG
CGTAGACGGCGATGCAAGTCTGGAGTGAAAGCCCAGGGCTCAACCCTGGGACTGCTTTGGAAACTGTATAGCTAGA
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>OTU15279;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Lach
nospiraceae(0.4563),g:Eisenbergiella(0.1735);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGACGTA
TTTCGGTATGTAAAGCTCTATCAGCAGCGAAGAAAATGACGGTACCTGACTAAGAAGCAGCGGCTAACTACGTCCCA
GCAGCAGCGGCAATAAGTAGGGGGCAAGCGTTATCCGGATTTGCTGGGTGTAAAGGGAGCGGAGACGGCATGACA
AGCCAGATGTGAAAACCCAGGGCTTAACCGTGGGACTGCATTTGGAACTGCCATGCTGGAGTGAAGGAGAGGTAGG
CGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTAACTGGACTGT
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>OTU15277;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Rumi
nococcaceae(0.1872),g:Intestinimonas(0.0181);
ACGGGAGGCAGCAGCGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
CTTCGGATTGTAAACTTCTTTTATGAGGGACGAAGGACGTGACGGTACCTCATGAATAAGCCACGGCTAACTGCGTG
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>OTU15278;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Rumi
nococcaceae(0.7787),g:Oscillibacter(0.4351);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGACGCAAGTCTGACCCAGCAACGCCGCGCGAAGGAAGAAGGC
TTTCGGGTTGTAAACTTCTTTGACAGGGGAAGAGTAGAAGACGGTACCCTGAAAACAAGCCACGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGCAGCCGGGCTGAC
AAGTCAGATGTGAAATCCCGAGGCTTACCTGCGGAACTGCATTTGAATCTGTTGGTTTTGAGTATCGGAGAGGTCGTC
GGAATTCCTTGTGTAGCGGTGAAATGCGTAGATATAAGGAAGAACACCAGTGGCGAAGGCGGATGACTGGACGACA
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>OTU15280;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.
9280),f:"Prevotellaceae"(0.8146),g:Prevotella(0.3915);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCGTATTGCATGTACCCTATGAATAAGG
ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGCAGGTCCGGTCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCCGTAGTCTAAGCGTGATGTGGAAGGTCGGGGCTCAACCTGGGCATTGCAGCGGGAACTGTGAGGCTTG
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>OTU15281;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.8628),c:Spirochaetia(0.6730),o:Spirochaetales(0.39
59),f:Spirochaetaceae(0.2184),g:Treponema(0.0423);

ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGAAGGAGCGAAGCCGCGTGAACGACGAAGGC
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ATAAGCAAAGGCTAATTCCGTGCCAGCAGCCGCGGTAACACGTAAGTTGCGAGCGTTGTTCGGAATTATTGGGCGTA
AAGGGCATGTAGGCGGTTTTGCAAGCGTGGTGTGAAATGCATAGGCTCAACCGAATGAATGGAGTGAGAAATAGAA
GACTTTAGTTGCTGAGGTGGAACTGGAATTCCAGGGGGAGGGGGGAAATCGGCAGATAACGAGAAGAACACCCAA
GGCGAATGCAAGTTTAAAACAGATAACTGACGCTGAGATGTGAAAGTGCGGGGAGCAAACAGGATTTGATACCCTG
GTA

>OTU15282;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Rumi
nococcaceae(0.4563),g:Oscillibacter(0.0519);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGATCCAGCAACGCCGCGTGAAGGAAGAAGGC
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CGCCCGCGCTGTAATACGTAGGTGGCACGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGAAGGCA
AGTCAGATGTGAAATCCACGGGCTTAACTCGTGAACTGCATTTGAAACTGTTTTTCTTGAGTATCGGAGAGGCAATCG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTACTGGACGACAA
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>OTU15283;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Rumi
nococcaceae(0.0710),g:Papillibacter(0.0157);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGG
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GCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGAGTGGGCGTAAAGGGCGCGTAGGCGGCCT
GGTAAGTCAGATGTGAAAGTCCTGGGTTCAAGGTGGGAATTGCTTTTGAAACTGGGAAGCTTGAGTGCCGGAGAGG
CAAGCGGAATTACCGGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCTTACTGG
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>OTU15285;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Rumi
nococcaceae(0.2184),g:Clostridium_IV(0.0157);

ACGGGAGGCAGCAGTGGGGAATATTGGTCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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GAATTCCTGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGTCTGCTGGACAGCAA
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>OTU15284;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.7547),c:Alphaproteobacteria(0.4045),o:Rickettsial
es(0.1249),f:Rickettsiaceae(0.0457),g:Rickettsia(0.0110);

ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGCGAAAGCCTGATCCAGCAATGCCGCATGAGTGATGAAGGC
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GCAGCCGCGGTAATACGTAGAGGGCGAGCGTTATTCGGAATTACTGGGCGTAAAGGGAGCGTAGGCGGATTAGTAA
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6881),f:Bacteroidaceae(0.2864),g:Bacteroides(0.0808);
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TCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGTGGACGGGATGTTAAGTCAGCTTGGAAAGTTTGGGGCTCAACCTTAAAATTGCAGTTGAAACTGGCATCCTTGGA
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8629),f:"Prevotellaceae"(0.3544),g:Prevotella(0.1299);
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GCGTAGGCGGGCGCTTAAGTCAGCTGTGAAAGGTTGGGGCTCAACGTTAAACTTGCAGCTGATACTGGGTGCCTTGA
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>OTU15288;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Bacilli(0.7881),o:Lactobacillales(0.5023),f:Lactob
acillaceae(0.2524),g:Lactobacillus(0.0615);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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GAAAGTGCCGGCTAACTACGTGCCAGCAGCCCCGGTAATACGTTTGTGGCAAGCGTTATCCGGATTTATTGGGCGTA
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GTA
>OTU15289;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9441),c:Spirochaetia(0.8189),o:Spirochaetales(0.57
66),f:Spirochaetaceae(0.3884),g:Treponema(0.0808);

ACGGGAGGCAGCAGCTAGGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGAACGAAGAAGGC
CGGATGGTTGTAAAGTTCTTTTGAAACTGAAGAATAAGTATTGCAGGGCATGGCTATATGGTGACGGTAGGTTTTGA
ATAAGCCACGGCTAATTACGTGCCAGCCGCCGCGGTAACCCGTACGTTGCGTGCGTTGTTCGGAATTATTGGGCGTA
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GTA

>OTU15290;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Rumi
nococcaceae(0.2864),g:Papillibacter(0.0230);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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GCAGCCGCTGTAATACGTAGGTCTCGCGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGTAATGCAAG
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9775),f:"Porphyromonadaceae"(0.9666),g:Butyricimonas(0.9743);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAATGG
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ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGTGCGTTATCCGGATTTATTGGGTTTAAAGGGC
GCGTAGGCGAGACGTCAAGTCAGCGGTAAAAGACTGCAGATAAACAGTAGCACGCCGTTGAAACTGGCGCAGTGGA
GGAGAGACGGGAGAGGCGGAACAAGTGAAGTAGGGGTGAAATGCGTAGATATCACTTGGAAACCCGATAGCGAAG
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>OTU15291;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.3448),c:Deltaproteobacteria(0.1740),o:Desulfovib
rionales(0.0781),f:Desulfovibrionaceae(0.0252),g:Bilophila(0.0076);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
CCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACCCGGCGAATA
AGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAG
GGCACGTAGGCGGCCTGGTAAGTCAGGAGTGAAATCCCACAGCCCAACCGTGGAATTGCGTTTGATACTGTCAGGCT
TGAGTACGGGAGAGGGAGGCGGAATTCCAGGTGTAGGGGTGAAATCCGTAGATATCTGGAGGAACACCGGTTGCG
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>OTU15292;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Lach
nospiraceae(0.1098),g:Clostridium_XlVa(0.0204);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
TCTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGGATGGCA
AGTTGGATGTTTAAACTAACGGCTCAACTGTTAGGTGCATCCAAAACTGCTGTTCCTGAGTGAAGTAGAGGCAGGCG
GAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTAAGCTGCAAC
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>OTU15294;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.9280),f:Bacteroidaceae(0.6709),g:Bacteroides(0.5239);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTTAACCAGCCATGTAGCGTGAAGGATGACTGCC
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CGGCTCACTCCGTGCCAGCAGCCGCGGTAATACGGCGGATCCGCGCGTTATCCGGATTTATTGGGTTTAAAGGGAGC
GTAGATGGATGTTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGATATCTTGAGTG
GAGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAG
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>OTU15298;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9540),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.5766),f:"Prevotellaceae"(0.1872),g:Alloprevotella(0.0423);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGCAAGGCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTCGGGTTGTAAACTTCTTTTATTCGGGAATAAAAGGGCGCACGTGTGCGTCGTTTTGTATGTCCCTTCAGAAAAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTCATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCGGTATGGTAAGTCAGATGTGAAAGCGCGGGGCTCAACGGCGGGACTGCAGTTGAAACTGTAGGACTT
GAGTGCACGAAGGGATGGCGGAAGTCATGGTGTAGCGGTGAAATGCTTAGATATCATGAAGAACTCCGATCGCGAA
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>OTU15297;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9988),c:Gammaproteobacteria(0.9762),o:"Enterobacteriales"(0.8520),f:Enterobacteriaceae(0.7068),g:Escherichia/Shigella(0.3479);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCAACGCCGCGTGTATGAAGAAGGG
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AAAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGATTTACTGGGCGT
AAAGCGCACGCAGGCGGTTTGTTAAGTCAGATGTGAAATTCCCGGGCTCAACCTGGGAACTGCATCTGAAACTGGCA
AGCTTGAGTGTCGTAGAGGGGAGTGGAATTCCAGGTGTAGCGGTGAAATGCGTAGATATCTGGAGGAATACCAGTG
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GTA

>OTU15295;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.4311),c:"Bacteroidia"(0.2321),o:"Bacteroidales"(0.1015),f:Bacteroidaceae(0.0355),g:Bacteroides(0.0087);

CCTTTCTTCCTCCTTTAGTCATCTTTGTCAATGGGCGATGGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTCT
ATGGGTCGTAAACTTCTTTTATATTAGAATAAAGTGCAGTATGTATACTGTTTTGTATGTATAATATGAATAAGGATCG
GCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCG
TAGACGGCTTTGCAAGTCTGACGTGAAAATCCGGGGCTCAACCCCGGAACTACGCTGGAAACTGTATTTCTTGAGTAC
TGGAGAGGCAATCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGACATTAGGAGGAACACCAGTGGCGAAGGCGG
ATTGCTGGACAGCAACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15296;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Lachnospiraceae(0.1098),g:Clostridium_XlVa(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
TTTCGGGTTGTAAACTTCTTTTAAGAGGGAAGAGCAGAAGACTGTACCTCTAGAATAAGCCACGGCTAACTACGTGCC
AGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGCGAGCGCAGGCGGTTGCTTA
GGTCTGATGTGAAAGCCTTCGGCTTAACCGAAGAAGTGCATCGGAAACTGAATAGCTGGAGTGCAGGAGAGGTAAG
TGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGT
AACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15300;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.9063),f:"Prevotellaceae"(0.7428),g:Prevotella(0.4787);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGACCCAGCCACGTAGCGTGAAGGATGACGGC
CCTATGGGTTGTAAACTGCTTTTATAGGGGGAAAAAGTGTGCCACGCGTGGCATATTGCAGGTACCTTATGAATAAG
GACCGGCTGATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCAGGGCGTGATCCGGATTTATTGGGTTTAAAGG
GAGCGTAGGCCGTATTATAAGGGTGTTGTGAAATGTCGTGGCTCAACCTGGGCATTGCATCGCGAACGGTGAGACTT
GAGTGCGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATGGCGAA
GGCAGCCTGCTGTAGGGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU15299;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Ruminococcaceae(0.2864),g:Clostridium_IV(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCAGCGTGAAGGAAGAAGGC
TTTCGGGTTGTAAACTTCTTTTCTTAGGGACGAAGCAAGTGACGGTACCTAAGGAATAAGCCACGGCTAACTACGAG
CCAGCAGCAGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGAATT
CAAGTCAGATGTGAAATACCGGGGATTAACCCATGAGCTGCATTTGCAACTGAATTTCTTGAGTGCTTACGATGAAAG
CGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACAGT
TACTGACGCTGAGGCTCGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU15301;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9988),c:Gammaproteobacteria(0.9762),o:"Enterobacteriales"(0.8737),f:Enterobacteriaceae(0.7787),g:Escherichia/Shigella(0.3915);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGAAGCAGCCAAGTCGCGTGAATGAAGAAGGC
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GAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGGTAATCGGAATTACTGGGCGTA
GAGCGCACGCAGGCGGTTTGTTAAGTCAGATGTGAAATCCCCGGTCTCAACCTGGGAACTGCATCTGATACTGGCAA
GCTTGAGTCTCGTAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGATATCTGGAGGAATACCGGTGG
CGCACCCAGCCCTCCACACGTACCCTGCCCCTCAGTCGTCCAAGCGTCGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15303;tax=d:Bacteria(0.0024),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Thermoanaerobacterales(0.
0000),f:Thermoanaerobacteraceae(0.0000),g:Ammonifex(0.0000);
GGTTATTCAAGCGATTATTTGTCTCCAGCCACTTAAGTGAGGTGATTTCTGTTTGGTGCTATTGCTGGCGGTATTGCTT
CTGCTCTTGCTGGTGGCGCCATGTCTAAATTGTTTGGAGGCGGTCAAAAAGCCGCCTCCGGTGGCATTCAAGGTGAT
GTGCTTGCTACCGATAACAATACTGTAGGCATGGGTGATGCTGGTATTAAATCTGCCATTCAAGGCTCTAATGTTCCT
AACCCTGATGAGGCCGTCCCTAGTTGGGTTTCGGGGGCTATGGCTAAAGCGGGTAAAGGACTTCTTGAAGGGACGTT
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GGAAAGGATAC
>OTU15304;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.
9389),f:"Prevotellaceae"(0.8505),g:Prevotella(0.6200);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTCGCGTGCAGGATGACGGC
CCTATGGTTTTTAAACTGTTTCTATAGGGGCATAAAGTGTGCCACGTGTGGCATATTGCAGGTATCCTATGAATAAGG
ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGTTCTGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCCGTCTTATAAGCGAGTTGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGGGAGTCTTGA
GTGCACAGGAGGTAGGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGG
CAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU15306;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:"Bacteroidia"(0.4812),o:"Bacteroidales"(0.
2359),f:"Prevotellaceae"(0.0560),g:Prevotella(0.0087);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCCGAACCAGCCAAGTAGCGTGAGGGAAGACTGC
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ACCGGCTAATTCCGCGCCAGCAGCCGCGGTTATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGCAGGCCGTGGGTTAAGCGTGTCGTGAAAGTCCGGCGCTCAACGGCGGAAGTGCGGCGCGAACTGGACCACTTG
AGTGCGCGAGACGTTAGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATCACGAGGAACACCAGTGGCGAAG
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>OTU15302;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Rumi
nococcaceae(0.0252),g:Pseudoflavonifractor(0.0066);

ACGGGAGGCAGCGGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGAAGAAGGT
CTTCGGATTGTAAAGTCCTTTGATCAGGGACGAACACAATGACGGTACCTGAAGAAGAAGCGCCGGCCAACTACGTG
CCAGCAGCCGCGGTAATACGGAGGGGGGAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGTGTGTAGGCGGGCTC
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>OTU15305;tax=d:Bacteria(1.0000),p:Firmicutes(0.3448),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Pept
ostreptococcaceae(0.0252),g:Clostridium_XI(0.0076);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAAGCCTGATGCAGCAACGCCGCGTGAGCGAAGAAGGA
CTTCGGGTCGTAAAGCACTGTCCTCAGGGAAGATGATGACGGTACCTGAGGAAGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGCGCAGACGGGTTGTTCA
GTCAGATGTGAAAGTTTGCGGCTCAACCGGAAAATTGCAGTTGATACTGGCGTTCTTGAGTGCAGTTGAGGTGTGCG
GAATTCGTGGTGTAGCGGTGAAATGCTTAGATATTACAAAGAACACCGATGGCGAAGGCAGCTAACTAACCTGTAAC
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>OTU15307;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Rumi
nococcaceae(0.0710),g:Clostridium_IV(0.0076);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCCGACCCAGCAACGCAGCGTGCAGGAAGAAGGC
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AGCAGCTGCGGTCATACGTAGATGGGGGGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGAATGCA
AGTCAGATGTGAAATCCAAGGGCTCAACCCTTGAACTGCATTTGAAACTGTATTTCTTGAGTGTCGGGGAAGTTGACG
GAATTCCTTGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGTAGAGCAA
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>OTU15308;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Rumi
nococcaceae(0.1291),g:Oscillibacter(0.0157);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGAGGAAACTCCGACCCAGCAATACCGCGTGAGCGATGAAGGT
AATTTTATTGTAAAGCTCTTTTCTCAGTCAAGAATAAATTACTATCTGAGGAATAAGCCCCGGCTAACTACGTGCCAGC
AGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGAGGGCAAGT
CAGATGTGAAATCCACGGGCTCAACTCGGGAACGGCATTTGAAACTGCTCTGCTTGATTATCGAGAAGGCAAGCGGA
ATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGAAAACT
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>OTU15310;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9933),c:"Bacteroidia"(0.8048),o:"Bacteroidales"(0.
5395),f:"Prevotellaceae"(0.0710),g:Prevotella(0.0157);

AGGGAAGGAAGAAGGGAGGAATATGGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTG
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GATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGCATCCGAGCGCTATCCGGATCTATTGGGTTTAAAGGG
AGCGTAGGCCGTCTTATAAGCGTGATGTGAAATGTCGGGGCTTAACCTAGGCATTGCAGTGGGATCTGTGAGACTTG
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>OTU15311;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Clostridiales_Incertae_Sedis_XIII(0.4224),g:Mogibacterium(0.2171);
ACGGGAGGCAGCAGTAGGGAATCTTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAAGGATGAAGGC
CTTCGGGTTGTAAACTTCTGTTCTTAGGGAAGAAGAAAGTTACGGTACCTAAGGATAAAGCCCCGGCTAACTACGTG
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GCGGAAGACCTAGTGTAGCGGTGAAATGCGTAGATAGTAGGAGGAACACCAGCGGCGAAGGCGGCTTTATGGACT
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>OTU15312;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9671),c:Spirochaetia(0.9180),o:Spirochaetales(0.8303),f:Spirochaetaceae(0.6350),g:Treponema(0.3915);
ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGAACGAAGAAGGC
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AAGGGCATGTAGGCGGTTTTGCAAGCTTGGTGTGAAATGCATAGGCTCAACCTATGGACTGCATTGAGAACTACAAG
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>OTU15309;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9987),c:Gammaproteobacteria(0.9733),o:"Enterobacteriales"(0.8412),f:Enterobacteriaceae(0.6709),g:Escherichia/Shigella(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCCGATGCAGCCATGCCGCGTGTATGAAGAAGGC
CTTCGGGTTGTAAAGTACTTTCATCTGGGAGGAAGGGAGTAACGTTACTACCTTTGCTCATTGCCGTTACCCGCAGAA
GAACCACCGCCTAACTCCGTGCCAGCAGCCGCGGTAATACGGTGGTTGCACGCGTTAATCGGAATTACTGGGCGTAA
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TA

>OTU15314;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8472),o:"Bacteroidales"(0.6509),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0423);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTAGGCCTGAACCAGCCAAGTAGCGTGCGGGATGACGGCCCTATGGGTTGTAAACCGCTTTTGCACGGGAATAAAGTTGGGGACGTGTCCCCTTTTGCATGTACCGTGAGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCGGAGGCTTAAGCGTGACGTGAAATGTAGCCGCTCAACGGCTGAGTTGCGTGGCGAACTGGGTTTCTTGAGTGCGTGTGACGTAAGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACCCCGATTGCGAAGGCAGCTGACGAGGCCTTAACTGGCACTAAAGCTCGAAGGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU15316;tax=d:Bacteria(0.0076),p:"Proteobacteria"(0.0000),c:Deltaproteobacteria(0.0000),o:Desulfobacterales(0.0000),f:Desulfobulbaceae(0.0000),g:Desulfotalea(0.0000);

TGCGAGTCATTTCTTTGATTTGGTCCTTGGTAAAATCCTGACCAGCCGTTTTAGCTTGAGTACGCATTTGGCGCATCATCTCGGAAACCTGCTGTTGCTTGGAAAGATTGGTGTTTTCCATAATAGACGCAACGCGAGCAGTAGACTCCTTCTGTTGATAAGCAAGCATCTCATTTTGTGCATATACCTGGTCTTTCGTATTCTGGCGTGAAGTCGCCGACTGAATGCCAGCAATCTCTTTTTGAGTCTCATTGTGCATCGCGGCAATCTCTTTCTGATTGTCCAGTTGCATGGGAGTAAGCTCGTTGTGAGTCTCAAATCCGGCGTCAA

>OTU15313;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Ruminococcaceae(0.0457),g:Oscillibacter(0.0110);

ACGGGAGGCAGCAGTGGGGAATTTTGGACAATGGGGGCAACCCTGATCCAGCCATGCCGCGTGCAGGATGAATGTCTTCGGATTGTAAACCGCTTTTGTCAGGGAAGAAAAGGACTGTGTTAATACCACGGTCTGCTGACGTTACCTGAAGAATAAGCACCGGCTAACTACGTTCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGACGGCAAGTCAGATGTGAAAGTCCCGGGTTCAACGAGTGAACTGCATTTGATACTGCTCGGCTTGAGTATCGGAGAGGAAATCGGAATTACTGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGGACACCAGTGGCGAAGGCGGCTTGCTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15315;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9572),c:Gammaproteobacteria(0.8472),o:"Enterobacteriales"(0.3959),f:Enterobacteriaceae(0.2184),g:Escherichia/Shigella(0.0519);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGCTTTCGGGTTGTAAAGCACTTTCATCGGGGAAGAAGGGAGTAGAGTGAATCTGTTTGCTCATTGACGTTACCCGACGAAGCAGCCACGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGAGCGCAGGCGGTTGGTTAGGTCAGATGTGAAAGCCCCGGGCTCAACCGGGGAAGTGCATCGGATACTGGGAAGCTTGAGTCTAGAAGAGGAGAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGGCGAAGGCGGCTCCCTGGACGGAGACTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15317;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Lachnospiraceae(0.6709),g:Clostridium_XlVa(0.4787);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGAAGCAAGTCTGAAGTGAAAACCCAGGGCTCAACCCTGGGACTGGTTTGGAAACTGTTTTGGTAGAGTGGCGGAGAGGGAAGGGGAAATCCTAGTGGAGCGGGGAAATGCGTAGATATTAGGAGGAAAACCAGTGGCGAAGGCGGATTACTGGACTGGAACTGAAGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15318;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9989),c:Betaproteobacteria(0.6346),o:Burkholderiales(0.3639),f:Comamonadaceae(0.1679),g:Roseateles(0.0423);
CCTTTCTTCCTCCTTTCTGCCTTTTTTCCCCTTTTTTCCACCCTGATCCAGCCATGCCGCGTGCGGGAAGAAGGCCTTCGGGTTGTAAACCGCTTTTGTCAGGGACGAAAAGTCGTATTTGAACAAAGTACGATGCTGACGGTACCTGAAGAATAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGTGCGCAGGCGGTTGGATAAGACAGATGTGAAATCCCCGGGCTTAACCTGGGAACCGCATTTGTGACTGTCTGACTGGAGTATGTCAGAGGGGGGTGGAATTCCACGTGTAGCAGTGAAATGCGTAGATATGTGGAAGAACACCGATGGCGAAGGCAGCCCCCTGGGGCAAAACTGACGCTCATGCACGAAAGCGTGGGAAGCAAACAGGATTAGATACCCTGGTA
>OTU15319;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9776),o:"Bacteroidales"(0.9685),f:"Prevotellaceae"(0.9015),g:Prevotella(0.6200);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGGTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATAAGGAACGGCTAATTCCGTGCCAGCAGCCGCGGTAATAAGGAAGGTTCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTGATAAGCGTGTGGTGAAATGTCGCGGCTCAACCTGGGCATTGCCGCGGGAACTGTGAGACTTGAGTACGAAGGGAGCAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGGAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU15320;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:"Bacteroidia"(0.0726),o:"Bacteroidales"(0.0473),f:"Porphyromonadaceae"(0.0113),g:Barnesiella(0.0056);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGCCCTACGGGTCGTAAACTTCTTTAGACGCAGAGCAATAAGGTCCACGTGTGGACCGATGAGAGTATGCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTACAGGGTGCGTAGGCGGCCGAGTAAGTCAGCGGTGAAAGACCGGGGCTCACCCCTGACAGTGCCGTTGATACTGTTTGGCTGGAATGATCTCGACGCGTGAGGCATCTGTGGTGTAGCGGTGAAATGCCTAGATATCACTCAGAACACCGATTGCGAAGGCATCTCGCGAGGGGTCAATTGACGCTGAGGCACGAAAGTGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU15321;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9992),c:Gammaproteobacteria(0.9798),o:"Enterobacteriales"(0.9063),f:Enterobacteriaceae(0.8864),g:Escherichia/Shigella(0.4787);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTCAGAGGGGAGGAAGGGAGTAAAGTTAATACCTTGACGCAGGGACGGTACCCGAAGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGGAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGCACGCAGGCGGTTTGTTACTTCAGATGTGAAATCCCCGGGCTCAACCTGGGAACTGCATCTGATACTGGCACGCTTGAGTCTCGTAGAGGGGGGTAGAATTCCAGGTGTAGCTGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGGCGAAGGCGGCCCCCTGGACGAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15323;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Lachnospiraceae(0.2184),g:Clostridium_XlVa(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATTGGCGAAAGCCTGATGCAGCGACGCTGCGTGAGCGAAGAAGTACTGCGGTATGCAAAGCTCTACCACCAGGGAAGAAAATGACGGTATCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGAGTAAAGGGAGCGTAGACGGCGAAGCAGGTCTGAAGTGAAAACCCAGGGCTCAACCCTGGGACTGCTTTGGAAACTGTTTTGCTAGATTGTCGGAGAGGTAAGTGAAATACCTGGTGTACACGTGGATTGACTCGATATCAGGAGGAGAACCACTTGCGATGGCGGCTTGCTAGGAGTTGACTGTCGATGAAGCTCGAAAGCGTGGGTGGCGAACAGGATTAGATACCCTGGTA
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GCTGAATTGTTCGCGTTTACCTTGCGTGTACGCGCAGGAAACCCTGACGTTCTTACTGCCGCCGACGAAAACGTGCGTCAAAAATTACGTGCAGAAGGAGTGATGTAATGTCTAAAGGTAAAAAACGTTCTGGCGCTCGCCCTGGTCGTCCGCAGCCGTTGCGAGGTACTAAAGGCAAGCGTAAAGGCGCTCGTCTTTGGTATGTAGGTGGTCAACAATTTTAATTGCAGGGGCTTCGGCCCCTTACTTGAGGATAAAGTATGTCTAATAGTCAAACTGGCGCCGAGCGTATGCCGCATGACCTGTCCCAGATGGGCTTCCGGGCTGGTCAGAT
>OTU15322;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Bacilli(0.8331),o:Lactobacillales(0.6138),f:Enterococcaceae(0.3544),g:Enterococcus(0.0808);
ACGGGAGGCAGCCGTAGGGAATCTTCGGCAATGGACGCAAGTCTGACCGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAACTCTGTTGTTAGAGAAGAACAAGGATGAGAGTGGAAAGTTCATCCCTTGACGGTATCTAACCAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGATAGCAAGTCAGCTGTGAAAACTATGGGCTCAACCCATAAACTGCAGTTGAAACTGTTATTCTTGAGTGGAGTAGAGGCAAGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGTAAACAGGATTAGATACCCTGGTA

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ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGGAGGCCTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTGCTCATTGACGTTACCCGCAGAAGAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGACGTAAAGCGCACGCAGTCGGTTTGTTAAGTCAGATGTGAAAACGCCGGGCTAAACCGGCGAATGGCATCATATACTGGCAAGCTTGAGTCTCGTAGAGGGGAGTAGAATTCCAAGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGGCGAAGGCGGCCCCCTGGACGAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15327;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9776),o:"Bacteroidales"(0.9685),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTCTATGGGTCGTAAACTTCTTTTATATAAGGATAAAGTGAAGGATGTGTGGGGGTTTGTATGTATGATATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGCCTGGTAAGTCAGTTGTGAAAGTTTGCGGCCCAACCTTAAAATTGCAGTTGATACTGGCAGTCTTGAGTACATTCGACGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGACCTCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU15326;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Bacilli(0.9462),o:Lactobacillales(0.8412),f:Lactobacillaceae(0.5632),g:Lactobacillus(0.1299);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGAAAGCCTGATGCAGCAACACCGCGTGAGTGAAGGAGGGTTTCGGCTTGTAAAGCTCTGTTGATGGGGAAGAACGTGCGGGAGAGTATCTGCTCACGCAGTGACGGTATCCAACCAGAAAGTCACGTCTAACTACGTGCCCGCAGCCGCGGTAGTACGTAGGTGGCTAGCGTTATCCGGATTTATTGGGCGTAAAGGGAGCGCAGGCGGTTGCTTAGGGCTGATGTGAAAGCCTTCGGCTTAACCGAAGAAGTGCGTCGGAAACCGGTCAACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCAGCTGACTGGTCTGCAACTGACGCTGAGGCTCGAAAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU15330;tax=d:Bacteria(0.0024),p:"Spirochaetes"(0.0000),c:Spirochaetia(0.0000),o:Spirochaetales(0.0000),f:Spirochaetaceae(0.0000),g:Spirochaeta(0.0000);
TCGCGATGAGTCTAATTACCCCAAAACGAAAGGTATTAAGGATGAGTGTTCAAGATTGCTGGAGGCCTCCACTATGCAATCGCGTAGAGGCTTTGCTATTCAGCGTTTGATGAATGCAATGCGACAGGCTCATGCTGATGGTTGGTTTATCGTTTTTGACACGCTCACGTTGGCTGACGACCGATTAGAGGCGTTTTATGATAATCCCAATGCTTTGCGTGACTATTTTCGTGATATTGGTCGTATGGTTCTGGCTGCCGAGCGTCGTAAGGCGAATGATTCACGCGCCGACTGCTATCAGTATTTATGTGT

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nospiraceae(0.1679),g:Clostridium_XlVa(0.0423);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGCAGCAACACCACGTGAGTGAAGAAGGG
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GAAAGTAACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTAATCCGGATTTACTGGGTGT
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bacteriales"(0.8412),f:Enterobacteriaceae(0.6709),g:Escherichia/Shigella(0.3043);
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bacteriales"(0.3959),f:Enterobacteriaceae(0.2184),g:Escherichia/Shigella(0.0326);
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GAAGCACCGGCTAGCTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTA
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cterales(0.0000),f:Desulfobulbaceae(0.0000),g:Desulfotalea(0.0000);
TGCCGACCTTAGAACTATCCTTTGCAGTAGCGCCAATATGAGCCGAGCCATCCCGCTGCTTCTGCGTTTGCTGATGACC
TAAGTCAACCTCAGCACTAACCTTGCGAGTCATTTCTTTGATTTGGTCATTGGTAAAATACTGACCAGCCGTTTGAGCT

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9942),f:"Porphyromonadaceae"(0.9108),g:Butyricimonas(0.8124);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAATGG
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AGACAGGACAAGGGAGGGGGACAAAGTGAAGTAGCGGTAAAAGGCATGGTTATCCTTTGGAACCCCGATGGCGAA
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>OTU15333;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9987),c:Gammaproteobacteria(0.9740),o:"Entero
bacteriales"(0.8412),f:Enterobacteriaceae(0.6709),g:Escherichia/Shigella(0.3043);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
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AGCTTGAGTCTCGTAGAGGGGGGTGGAATTCCTGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTG
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9280),f:Bacteroidaceae(0.6709),g:Bacteroides(0.5239);

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CGTAGGTGGACAGTTAAGTCAGATGTGAAAGTTTGGGGCGCAACCGGAAAATTGCAGTTGAAACTGGCTGTCTTGA
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9172),f:Bacteroidaceae(0.6350),g:Bacteroides(0.4787);

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ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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bacterales(0.9937),f:Campylobacteraceae(0.9900),g:Campylobacter(0.9929);
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bacteriales"(0.6881),f:Enterobacteriaceae(0.4914),g:Escherichia/Shigella(0.1299);
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cteriaceae(0.2184),g:Eubacterium(0.0615);
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acillaceae(0.9108),g:Lactobacillus(0.6681);
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acillaceae(0.8146),g:Lactobacillus(0.4351);
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0781),f:Bacteroidaceae(0.0149),g:Bacteroides(0.0066);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAATGATGACTGCC
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9606),f:Bacteroidaceae(0.8505),g:Bacteroides(0.7643);
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CGTAGATGGATGTTTAAGTCAGTTGGGAAAGTGTGCGGCTAAACCGTAAAATTGCAGTGGATACTGGCTGTCTGGAG
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>OTU15347;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9989),c:Gammaproteobacteria(0.9769),o:"Entero
bacteriales"(0.8846),f:Enterobacteriaceae(0.8146),g:Escherichia/Shigella(0.3915);
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AAAGCGCACGCAGGCGGTTAGTTAAGTCAGATGGTAAATCCCCGGGCTCAACCTGGGAACTGCATCTGATACTGGCA
CGGTTGGGTCTCGTAGAGGGGGGTAGGATTCCAGGTGTAGCGGTGAAATGCGTAGAATTCTGGAGGAATACCGGTG
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GTA

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9753),f:Bacteroidaceae(0.9294),g:Bacteroides(0.9686);

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TCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGTAGGTGGACTGGTAAGTCAGGGGTGAAAGTCTGAGGCTTAACCGTAAAACTGCAGTTAAAAGTGTCAGTCTTGA
GTACAGTAGAGGTAAGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACACCGATTGCGAAGG
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9775),f:Bacteroidaceae(0.8864),g:Bacteroides(0.8124);

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8629),f:Bacteroidaceae(0.4563),g:Bacteroides(0.2607);

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GTGTGCAGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAGGAACTCCTATTGCGAA
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>OTU15349;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.5174),c:Gammaproteobacteria(0.2902),o:"Entero
bacteriales"(0.1249),f:Enterobacteriaceae(0.0457),g:Escherichia/Shigella(0.0110);

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AGAAGAACCGGCTACCTTCGCGCCAGCAGCCGCGGTAAAACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGT

AAAGGGCGTGCAGCCGGGAATGCGAGTCTGGTGTGAGATCCATGGGCTTAACCCATGAACTGCATTGGAAACTGTCT
TTCTTGAGTACTGGAGAGGCTATCGGAATTCCTAGTGTATCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGG
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>OTU15354;tax=d:Bacteria(0.0058),p:"Aquificae"(0.0000),c:Aquificae(0.0000),o:Aquificales(0.0000),f:Aquifi
caceae(0.0000),g:Hydrogenivirga(0.0000);

GGCTTACTTTGACTCAACGCGGGGAAACTTACCAGGTCCAGACATAGCAAGGATTGACAGACTGAGAGCTCTTTCTT
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>OTU15355;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9791),o:"Bacteroidales"(0.
9730),f:"Porphyromonadaceae"(0.9480),g:Butyricimonas(0.9686);

ACGGGAGGCAGCAGTGAGGAATATCGGTCAATGGGCGAGAGTCTGAACCAGCCAAGTCGCGTGCGGGAAGAATGG
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AGTCGGGACGAGGGAGGCGGAACAAGTGGAGTAGCGGTGAAATGCATAGATATCACTTGGAACCCCGATAGCGAA
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>OTU15353;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.5174),c:Gammaproteobacteria(0.2902),o:"Entero
bacteriales"(0.1015),f:Enterobacteriaceae(0.0355),g:Rosenbergiella(0.0076);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGC
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>OTU15357;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9994),c:"Bacteroidia"(0.9776),o:"Bacteroidales"(0.
9685),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);

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bacteriales"(0.9280),f:Enterobacteriaceae(0.9108),g:Escherichia/Shigella(0.4787);
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bacteriales"(0.8303),f:Enterobacteriaceae(0.6350),g:Escherichia/Shigella(0.3043);
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nospiraceae(0.0710),g:Clostridium_XlVa(0.0157);
ACGGGAGGCAGCAGTGGGGAATTTTGCACAATGGACGCAAGTCTGATGCAGCGACGCCGCGTGAGGGATGGAGGC
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bacteriales"(0.8520),f:Enterobacteriaceae(0.7068),g:Escherichia/Shigella(0.3043);
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9753),f:Bacteroidaceae(0.9015),g:Bacteroides(0.8605);
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9606),f:Bacteroidaceae(0.8505),g:Bacteroides(0.7643);
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9606),f:"Porphyromonadaceae"(0.9294),g:Butyricimonas(0.9566);
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bacteriales"(0.6138),f:Enterobacteriaceae(0.4224),g:Escherichia/Shigella(0.0615);
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8412),f:Bacteroidaceae(0.4914),g:Bacteroides(0.3043);
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846),f:Erysipelotrichaceae(0.8146),g:Turicibacter(0.7162);
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3959),f:"Porphyromonadaceae"(0.1291),g:Parabacteroides(0.0230);
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bacterales(0.8955),f:Campylobacteraceae(0.8505),g:Campylobacter(0.7643);
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8303),f:"Rikenellaceae"(0.6350),g:Alistipes(0.3479);
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GCGTAGGCGGTTTGTTAAGTTAGAGGTGAAATACCGGCGCTTAACACCGGAACTGCCTCTCATACTGTTTAACTAGAG
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ridiaceae_1(0.4224),g:Clostridium_sensu_stricto(0.1299);
ACGGAAGGCAGCAGTGAGGAATATTGCACAATGGAGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGGCC
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ellales(0.8520),f:Pasteurellaceae(0.7068),g:Actinobacillus(0.1299);
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ridiaceae_1(0.5273),g:Clostridium_sensu_stricto(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCCATGCCGCGTGAGTGATGACGGC
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nococcaceae(0.0560),g:Clostridium_III(0.0134);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
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9753),f:Bacteroidaceae(0.9108),g:Bacteroides(0.9085);
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8412),f:"Rikenellaceae"(0.5991),g:Alistipes(0.4351);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAAAGTCTGAACCAGCCATGTCGCGTGCAGGAAGACGGC
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TGCGTAGGCGGTTTGATAAGTTAGATGGGAAATACCGGTGCTTAACACCGGAACTGCCGCTGATACTGGTGAACTAG
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>OTU15378;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.2586),c:"Bacteroidia"(0.0726),o:"Bacteroidales"(0.
0473),f:Prolixibacteraceae(0.0113),g:Prolixibacter(0.0046);
ACGGGAGGCAGCAGTGAGGAATACTGGTCAATGGGCGGAAGCCTGGACCAGCCACGCCGCGTGAAGGACTAAGGC
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ATCGGCCAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATTCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGT
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AGTGCAGGAGAGGTGAGAGGAATGAGTAGTGTAGCGGTGAAATGCGTAGATATTAGGCAGAACACCGATTGCGAA
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9497),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
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0781),f:Prolixibacteraceae(0.0252),g:Prolixibacter(0.0076);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
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GCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGG
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riales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Parapedobacter(0.0056);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAGGGAAGGAGGC
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ridiaceae_1(0.2184),g:Clostridium_sensu_stricto(0.0519);
ACGGAAGGCAGCAGTGGGTAATATTGCACAGTGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGGC
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9775),f:Bacteroidaceae(0.9015),g:Bacteroides(0.8605);
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9936),f:Bacteroidaceae(0.9015),g:Bacteroides(0.8605);
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9063),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);
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nospiraceae(0.2184),g:Eisenbergiella(0.0326);
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0),f:Flammeovirgaceae(0.0000),g:Fabibacter(0.0000);
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>OTU15390;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.5174),c:"Bacteroidia"(0.1740),o:"Bacteroidales"(0.
0781),f:"Porphyromonadaceae"(0.0252),g:Barnesiella(0.0076);
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9063),f:Bacteroidaceae(0.6350),g:Bacteroides(0.4787);
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>OTU15393;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9867),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.6881),f:"Rikenellaceae"(0.4563),g:Alistipes(0.2607);

ACGGAAGGCAGCGGTGAGGAATATTGGTCAATGGGCGGTAGTCTGAACCAGCCATGCCGCGTGCAGGACGACGGCCCTATGAGTTGTAAACTGCTTTTGTACGGGGGTAAACGCTCTTACGTGTAAGAGCCTGAGAGTACCCTACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGCTTGATAAGTTAGGGGTGAAATACCGGTGCTTAACCCCGGGACTGCCGCTAATACTGTTGAGCTAGAGATTAGTTGAGGATGGCGGAATGTATGGTGTAGCGGTGAAATGCTTAGATATCATACAGAACCCCGATTGCGAAGGCAGCGTACCAAACTATATCTGACGTTGAGGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU15394;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9755),o:Clostridiales(0.9389),f:Clostridiaceae_1(0.6350),g:Clostridium_sensu_stricto(0.3915);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTTTTAAGTGAGATGTGAAATACCCGGGCTTAACTTGGGTGCTGCATTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAGGGGAATTCCAAGTGAAGCGGTGAAATGCGAAGGGATAAGAAACAACACAAGTGGCAAAGGCGCTTCTCGGGATTGAACCTAACGCTGAGGCTCGAAAGCGTGGGGACCAAACAGAATTAGATACCCTGGTA

>OTU15397;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9994),c:"Bacteroidia"(0.9776),o:"Bacteroidales"(0.9685),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGGCCGAACCAGCCAAGTAGCGTGAGGGATGAAGGTCCTATGGATTGTAAACTTCTTTTATACGGGAATAAAGTGCAGGATGCATACTGTTTTGTATGTACCTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGATGCTTAAGTCAGTGGTGAAAGTTTGCGGCTCAACCGTAGAATTGCCGGTGATACTGGGCGTCTGGAGTATGGTAGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACCCCGATTGCGAAGGCAGCCTGCTAGACCATGACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU15395;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Clostridiaceae_1(0.2864),g:Clostridium_sensu_stricto(0.0808);

ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGGGTAACCCTGATCCAGCCACGCCGCGTGAGTGATGAAGGCCTTCGGATCGTAAAGCTCTTTTTTCTGGGACGATAATGACGGTACCTGAGGAGGAAGTCAAGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGTGGCTAGCGTTTTCCGGATTTATTGGGCGTAAAGGGAGCGTAGGCGGACTATTAAGTGAGATGTGAAATCCCAAGGCTCAACCTTGGGGTTGCATTTCAAACTGGTAGTCTAGAGTGTAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGGGAAAGTCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGACTCTCTGGATTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15398;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6036),c:"Bacteroidia"(0.0626),o:"Bacteroidales"(0.0413),f:Prolixibacteraceae(0.0099),g:Prolixibacter(0.0046);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGAAGGCCCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACCCTGGGAATAAGCATCGGCGAACTCCGTGCCAGCAGCCGCGGTATTACGGGGGATGGGGGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCTGTGCGGCAAGTCAGGAGTGAAATTCCGGGGCTCAACTCCGGGGCTGCCCTGGATACTGTCGTGCTGGAGTGCGGATGCGGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACTCAGAACACCGATTGCGAAGGCAGCTGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA

>OTU15400;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9321),o:"Bacteroidales"(0.8412),f:"Prevotellaceae"(0.5632),g:Prevotella(0.0904);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTCGGCCACGCGTAGCCGTTTGCAGGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGCAGGGCAAGCGTGTCGTGAAATGTAGCCGCTCAACGGCTGCACTGCAGCGCGAACTGGCCATCTTGAGTGAGTTCGATGTTGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATCGCGAAGAACTCCGATTGCGAAGGCAGCTCACAGGTGCGTAACCGACGCTCAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU15396;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Clostridiaceae_1(0.1291),g:Clostridium_sensu_stricto(0.0230);

ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGGGAAACCCTGATGCAGCCATGCCGCATGAGTGATGAAGGCTTTTGGATCGTAAAGCTCTGTCATTGAGGAAGATAATGACGGTATCCACGGAAGAAGTCCTGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGAGGGCGAGCGTTATTCGGATTTACTGGGCGTAAAGGGCGCGTAGGCGGATGAGTAAGTTAGAAGTGAAATCCCCGGGCTCAACCTGGGTATTGCATTTAAAACTGGTTATCTAGAGTGCAGAAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAAAGATTAGGAGGAGCACCAGTGGCGAAGGCGTCTCTCTGGATTGTATCTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15399;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.6899),c:Betaproteobacteria(0.2321),o:Rhodocyclales(0.0473),f:Rhodocyclaceae(0.0113),g:Azoarcus(0.0056);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCCTATGGGCTGTGAACCGCGTTTGTCTGGGGGCAATAAGGGCGTCGCGCACGTTCGTTTATATTACCAGTGGAATAAGCATCGGCTAACCCCTTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCTTTATCCGGATTTACTGGGCGTAAAGCGGGCGCAGGCGGTTGGGTAAGCCAGATATGAAATCCCCGGGCTTAACCTGGGAAGCGCAGTTGCGACTGTCTGGCTGGAGTATGTCAGAGGGGGGTGGAATTCCACGTGTAGCAGTGAAATGCGTAGATATGTGGAAGAACACCGATGGCGAAGGCAGCCCCCTGGGGCAAAACTGACGCTAATGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15401;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9762),o:"Bacteroidales"(0.9497),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACGGCCCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGGATAGCCGATTGCATGTACTTTATGAATAAGGAGCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGTGAGCGTAGATGGAAGTTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTTGAATTGCAGTTGCTACTGGATATCTTGAGTGCAGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTACTAGGCTGCAACTGACATTGAGGCTCGAAGGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU15402;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9604),o:"Bacteroidales"(0.8629),f:"Prevotellaceae"(0.6350),g:Prevotella(0.3043);

ACGGAAGGCAGCAGTGAGGAATATTGCTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTGGTAAACTGCTTTTATAGGGGGGTAAAGTGTGACACTTGTGGCGTATTGCAGGTCCCCTATGAATAAGGCCCCGCTAATTCCGTGCCAGCAGCCGCGGTCATACTGAAGGTCCGGTCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGTCTTATAAGCGGGATGTGAAATGTCGGGGCTTAACCTGGGCATTGCATCGCGAACTGTGGGACTTGAGTGCACAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCGTTGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU15403;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Eubacteriaceae(0.1679),g:Eubacterium(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCAACGCCGCGTGAAGGAGGAAGGCCTTCGGGTCGTAAACTTCTGTCCAAAGGGAAGAAGAATGACGGTACCTTTGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAACACGTAGGGGGCGAGCGTTATCCGGAATTATTGGGCGTAAAGAGTGCGTAGGTGGTTACCTAAGCAGGGGGTGAAAGGCAATGGCTCAACCATTGTTAGCCCCCTGAACTGGGCTACCTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATACGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGATAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15404;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Clostridiaceae_1(0.0457),g:Clostridium_sensu_stricto(0.0110);

ACGGGAGGCAGCAGTGGGAATATTGCACAATGGGGGAAAGCCTTACCCAGCAATGCCGCGTGAGTGAAGAAGGTCTTCGGATTGTAAAGCTCTTTGATCAGGGACGAACACAATGACGGTACCTGAAGAACAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGTGTGTAGGCGGTCTGTTAAGTCGGATGTGAAATGTAAGGGCTCAACCCTTAACGTGCATCTGATACTGGCAGACTTGAGTGCGGAAGAGGCAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGACCTACTGGGCACCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU15406;tax=d:Bacteria(0.0024),p:"Actinobacteria"(0.0000),c:Actinobacteria(0.0000),o:Actinomycetales(0.0000),f:Micrococcaceae(0.0000),g:Yaniella(0.0000);

AGGGGGGGGAGGGAGAGAAGGGGGATATGTATGTTGACGGCCATAAGGCTGCTTCTGAAGTTCGTGATGAGTTTGTATCTGTTACTGAGAAGTTAATGGATGAATTGGCACAATGCTACAATGTGCTCCCCCAACTTGATATTAATAACACTATAGACCACCGCCCCGAAGGGGACGAAAAATGGTTTTTAGAGAACGAGAAGACGGTTACGCAGTTTTGCCGCAAGCTGGCTGCTGAACGCCCTCTTAAGGATATTCGCGATGAGTATAATTACCCCAAAAAGAAAGGTATTAAGGATGAGTGGTCAAGATTGCTGGAGGCCGCCACTATGAAATCGCG

>OTU15405;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9933),o:Lactobacillales(0.9798),f:Lactobacillaceae(0.9573),g:Lactobacillus(0.9085);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTAGAGAAGAACGTGCGCGAGAGCAACTGTTCACGCAGTGACGGTATCTAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGATAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTGATAAGTCTGATGTGAAAGCCTTTGGCTTAACCGGGGAAGTGCATCGGAAACTGGATAACTTGAGTGCAAGAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATACGGAGGAACACCAGTGTCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU15408;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9719),o:"Bacteroidales"(0.8846),f:"Rikenellaceae"(0.7787),g:Alistipes(0.6681);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCATGCAGCGTGCAGGAAGACGGCCCTATGGGTTGTAAACTGCTTTTGTACGAGGGTAAACGGCCTTACGTGTAAGAGCTTGCAGGTATCGTACGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTTTGATAAGTTAGAGGTGAAATACCGGTGCTCAACACCTGAACTGCCTCGCATACTGTTGAACTAGAGAGTAGTCGAGGCAGGCGGAATGTATGGTGTAGCGGTGAAATGCTTAGATATCATACAGAACACCGATTGCGAAGGCAGCTTACCAAACTATATCTGACGTTGAGGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU15407;tax=d:Bacteria(0.9450),p:"Bacteroidetes"(0.3448),c:Sphingobacteriia(0.0525),o:"Sphingobacteriales"(0.0352),f:Sphingobacteriaceae(0.0073),g:Solitalea(0.0039);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCCTATGGGCTGTGAACCGCTTTTGCCGGGGGGCAAGAAGGGCGTCGCGCACGTCAGAGGAGAGTAGCAGGGGAATAAGCAACGGCTAACTCCGTGCGAGCAGCCGCGGTAAGACGGGGGATGAGAGCGTGATCCGGATTCAGTGGGTTTAAAGGGTGCGTAGGCTGTGCGTCAAGTCAGGGGTGAAATTCCGGGGCTCAACTCCGGGGCTGCCCTTGATACTGTCGCGCTTGGGTGCGGATGCCGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACTCAGAGCACCGATTGCGAAGGCATCTGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGTATAGAACAGGATTAGATACCCTGGTA

>OTU15411;tax=d:Bacteria(0.0014),p:"Bacteroidetes"(0.0000),c:Sphingobacteriia(0.0000),o:"Sphingobacteriales"(0.0000),f:"Rhodothermaceae"(0.0000),g:Salinibacter(0.0000);

TCAACGCCCTGCATACGAAAAGACAGAATCTCTTCCAAGAGCTTGATGCGGTTATCCATCTGCTTATGGAAGCCAAGCATTGGTGATTGAGTAAGAGTAGTAATGCCACAAGCCTCAATAGCAGGTTTAAGAGCCTCGATACGCTCAAAGTCAAAATAATCAGCGTGACATTCAGAAGGGTAATAAGAACGAACCATAAAAAAGCCTCCAAGATTTGGAGGCATGAAAACATACAATTGGGAGGGTGTCGATCCTGACGGTTATTTCCAGGACAAATTAGAGCCAATACCATCAGCTGTAGCGACTTTCCAGAAAATGGTCCAAGTATCGGCAACAGCTTTAACAATACCAAGAAAAATATCAACCGCACCAGAGGCAGCATCAGTAACGACATGCGAGATATCCTTAGCAGTAGCGCCAATATGAGAAGAGCCAT

>OTU15412;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9762),o:"Bacteroidales"(0.9497),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCGAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTCTATTTATAAAGGAATAAAGTCGGGTATGGATACCCGTTTGCATGTACATTATGAATAAGGCTCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGTTCTGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGATGTTTAAGTCAGTTGTGAAAGCTTGCGGCTCAACCGTAAGATTGCATTTGAAACTGGATATCTTGAGTGCAGTTGAGGCAGGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTAGGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU15410;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.2586),c:Alphaproteobacteria(0.1159),o:Rickettsiales(0.0547),f:Anaplasmataceae(0.0149),g:Ehrlichia(0.0066);

ACGGGAGGCAGCAGTGGGGGATATTGGACAATGGGCGAAAGCCTGATCCAGCAATGCCGCGTGAGTGAAGACGGCCTTTGGGTTGTAAAGCTCTGTTTTTAGGGACGATAATGACGGTACTCGCGGAAGAAGTCATGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGTGGCTAGCGTTATTCGGAATTACTGGGCGTAAAGGGAGCGTAGGCGGACTAGTAAGTGAAAAGTGAAATACCCGGGCTCAACTTGGGTACTGCTTTTAAAACTGCTAATCTAGAGAGCGAAAGAGGAGAGAGGAATTCCTAGTGTAGAGGTGAAATGCGTAAATATTAGGAGGAACACCAGTGGCGAAGGCGATTCTCTGGACTAAATCTGATGCTGAGGCTCGAAGGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15413;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Ruminococcaceae(0.3544),g:Subdoligranulum(0.0204);

ACGGAAGGCAGCAGTAGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAAAGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCCTATGTGACGAAGGAAGTGACGGGAGCATAGGAGGAAGCACCGGCTAACAACGTGCCAGCAGCCGCGGGAAAACGTAGGGTGCAAGCGATGTCCGGAATTACTGGGTGGCAAGGGAGCGCAGGCGGACCGGCAAGTTGGAAGTGAAATCTAGGGGCTCAACCCATAAATTGCTGTCCAAACTGCTGGCCTTGAGTGGTGCAGAGGTAGGTGGAATTCCCTGTGTAGCGGTGGAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCCGACTGGGCACCAACGGACGCTGAGGCTCGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU15409;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Peptostreptococcaceae(0.0457),g:Filifactor(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGAGGAAACTCTGACCCAGCAACGCCGCGTGAATGATGAAGGTCTTCGGATTGTAAAATTCCTTTCTAAGGGACGAAGAAAGTGACGGTACCTTAGGAATAAGCCTCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGAGGCAAGCGTTATCCGGAATGACTGGGCGTAAAGGGTGCGTAGGTGGTTTGGCAAGTTAGTAGCGTAAGCCCGGGGCTCAACTTCGGGACTACTACTAAAACTGTTGGACTTGAGTGCAGGAGGGGCAAACGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAAGAACACCAGTAGCGAAGGCGGTTTGCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15414;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.9389),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTGAGCCTGAACCAGCCAAGTCGCGTGAAGGATGACTGCCCTATGGGTCGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGGATACCCGTTTGCATGTACCTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGATGTTTAAGTCAGTGGTGAAAGTTTGCGGCTCAACCGTAGAATTGCAGTTGATACTGGAGATCTTGAGTACATTTGAGGCAGGCGGAATGCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTAAGCTACAACTGACATTGAGGCACGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU15417;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Ruminococcaceae(0.6350),g:Subdoligranulum(0.0519);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGAGGAAGAAGGTCTTCGGATTGTAAACTCCTATTGTTCGGGAAGATAATGACGGTACCCAACAAGAAAGTGACGGCTAACTACGTGCCAGCAGCCGCGGTAAAACGTAGGTCACAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGACCGGCAAGTTGGAAGTGAAATCTATGGGCTCAACCCATAAATTGCTTTCAAAACTGCTGGCCTTGAGTAGTGCAGAGGTAGGTGGAATTCCCGGTGTAGCGGTGGAATGCTTAGATATGGCGAAGAACTCCGATTGCGAAGGCAGCTGACGGGTGCGTAACTGACGCTCATGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU15416;tax=d:Bacteria(0.9827),p:"Bacteroidetes"(0.4311),c:"Bacteroidia"(0.0525),o:"Bacteroidales"(0.0352),f:Marinilabiliaceae(0.0086),g:Alkalitalea(0.0043);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCCTATGGGCTGTGAACCGCATTTGCGTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACCAGGGGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCTGTGCGTCAAGTCAGGGGTGGAATTCCGGGGCTCAACTCCGGGGCGTCCCTTGATACTGTCGCGCTGGAGTGCGGATGCAGCCGGAGGAATGAGTGGTGGAGCGGTGGGATGGTTAGATTTCACTGAGAACACCGATTGCGAAGGCATCTGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGGGGGGATTGAACAGGATTAGATACCCTGGTA

>OTU15415;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Lachnospiraceae(0.1679),g:Clostridium_XlVa(0.0423);

AAGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGAATGATGAAGGCCTTCGGGTTGTAAAATTCTGTTATAAGGGAAGAACGACTTTAGTAGGAAATGGCTAGAGTGTGACGGTACCTTATGAGAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGAAGCAAGTCTGAAGTGAAAACCCAGGGCTCAACCCTTGGACTGCTTTGGAAACTGTTTTGCTAGAGTGTCGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGTCAACTGGACGATAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15418;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Bacilli(0.8472),o:Lactobacillales(0.6138),f:Lactobacillaceae(0.3884),g:Lactobacillus(0.1299);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAACTCTGTTGTTGAAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATTCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGTGTAAAGGGCGTGTAGGCAGGAGTGCAAGTCTGATGTGAAAATTATGGGCTCAACCCATAACCTGCATTTGAAACTGTTATTCTTGAGTGGAGTAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15420;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Clostridiaceae_1(0.5273),g:Clostridium_sensu_stricto(0.3043);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGCTTTCGGATCGTAAAGCTCTGTCTTTGGGGAAGATAATGACGGTACCCAAGCAGTAAGCCACGGCTAACTACCTGCCAGCAGCCGCGGTAATACGTAGGTGGCGCGCGCTATCCGGATTTACTGGGCGTAAAGTGAGCGTAGGCGGATGATTAAGTGGGAGGTGAAATACCCGGGCTCAACTGGGGTGCTGCATGCCAAACTGGTTATCTAGAGTGCAGGAGAGGGGGGTGGAATTCCTGGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGACGGCGGCTTGCTGGGCTCTAACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15419;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Clostridiaceae_1(0.5632),g:Clostridium_sensu_stricto(0.3479);

ACGGGAGGCAGCAGCGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGTTTTCGGATCTTAAAGCTCTTTCTTTGGGGAAGATAATGACGGTACCCAAGGAGGAAGCCACGTCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAAGTGAGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCATTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAATG

GAATTCCTAGTGTAGCGGTGAAATGAGTAGAGAGTAGGAAGAACACGAGTGGCGCAGGCGATTCTCGGGACTGTAA
CGGACGCTGAGGCTCGAAGGGGGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15421;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8267),c:Sphingobacteriia(0.1740),o:"Sphingobacte
riales"(0.0781),f:Sphingobacteriaceae(0.0252),g:Parapedobacter(0.0076);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGACGGAAGACGGC
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viitaleaceae(0.2184),g:Defluviitalea(0.0519);
CCTTTCTGCAGCAGTTTTTCCTCTTTCCCCCTTTTCTCCAGCCTGATGCAGCGACGCCGCGTGAAGGATGAAGGTCTTC
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cteriaceae(0.2864),g:Eubacterium(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
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GCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTATCTTAA
GTCAGAGGTGAAAGGCTACGGCTCAACCGTAGTAAGCCTTTGAGACTGGGAAGCTTGAATGCAGGAGAGGAGAGT
GGAAGTCCTAGTGTAGCGGTGAAATGCGTAGCTATTAGGAGGGACACCAGTTGCGGAGGCAGCTCTCTGAACTGTA
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st(0.0000),g:Chlorophyta(0.0000);
AGGTGAAGTAAAAGGTTCATACTTAAACATCACTGCTGGTACAATGGAAGAAGTTTATGCTCGTGCAGAATATGCTA
AAAGCCTTGGTTCTATAGTTGTTATGATCGATTTAGTTATCGGTTATACAGCAATTCAAAGTGCTGCAATCTGGTCTCG
TCAAAACGACATGCTTTTACACTTACACCGTGCTGGTAACTCTGCTTACGCTCGTCAAAAAAATCATGGTATCAACTTC
CGTGTTATTTGTAAATGGATGCGTATGTCTGGAGTAGATCATATCCACGCTGGTACAGTTGTTGGTAAATTAGAAGG

>OTU15424;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Peptostreptococcaceae(0.2864),g:Clostridium_XI(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCAGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGAGGTGAAAGGCTACGGCAAAAAAGTAGGAAGCCTTTGAAACTGGGAAACTTGAGTGCAGGAGAGGAGAGTGGAATTCATAGTGTAGCGGTGAAAGGCGTAGATATGAGGAGGAACAACAGTTGCGAAGGCGGGTATCTGGACTGTAACTGACACTGAGGCACGAAAGAGTGGGGAGAAAACAGGATTAGATACCATGGTA
>OTU15425;tax=d:Bacteria(0.6810),p:Cyanobacteria/Chloroplast(0.1905),c:Chloroplast(0.0726),f:Chloroplast(0.0113),g:Bacillariophyta(0.0046);
GTGCCAGCAGCCGCGGTAAGACAGAGGATGCAAGTGTTATCCGGAATTATTGGGCGTAAAGCGTTTGTAGGTGGATATCTAAGTCTTATGTTAAATATCTAAATTTAATTTAGAAAATGCATAAGAAACTATATATCTTGAGTATTATAGAGGTAAAGGGAATTTTCAGTGTAGCGGTGAAATGCGTAGATATTGAAAAGAACACCAATGGCGAAAGCACTTTACTAGATTAATACTGACACTGAGAAACGAAAGCTAGGGGAGCAAATAGGATTAGATACCCTAGTAGTCCTAGCTGTAAACGATGGATAATAGACGTTGTGATATTTTATTATATTGCAGTGTCGTAGCTAACGCATTAAGTATCCCGCCTGGGTAGTATGCTCGCAAGAGTGAAACTCAAAGGAATTGACGGGG
>OTU15427;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:"Bacteroidia"(0.1740),o:"Bacteroidales"(0.0781),f:Marinilabiliaceae(0.0149),g:Alkalitalea(0.0066);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGACGCGTGACGGAAGTCGGCCCTATGGGTCTTAAACTTCTTTGGTCACGGAGCAATAAGAGCCACGCGTGGCTCGATGAGAGTACGGGAAGAACAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGGGTGGTAAGTCAGCCGTGAAATGTCCACGCTCAACGTGGAACGTGCGTTTGATACTGCCGTCCTGGAATGCGGATGCCGTGGGAGGAATGTGTGGTGTAGCGGTGAAATGCATAGATATCACTCAGAACACCGATTGCGAAGGCATCTCACCTCTCTCCCAATGACGCTGACGCACGAACGCGCGGGTACCGAACAGGATTAGATACCCTGGTA
>OTU15428;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Ruminococcaceae(0.7428),g:Intestinimonas(0.3915);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCCTCGGGTTGTAAACTTCTTTTGTCAGGGACGAAGCAAGTGACGGTACCTGACGAATAAGCAACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGAGTGCAAGTCAGATGTTAAATCCATGGGCTCAACCCATGAACTGCATTTGAAACTGTGGATCTTGAGTGTCGGAGGGGCAATCGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTACTGGGCCGTAACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15431;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Lachnospiraceae(0.6350),g:Roseburia(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAGGCTCTATCAACCGGGGAGAAAATGACGGTAACCGGCTAAGAAAGCCCGGCTAAAAACGTGCCAACAGGCGCCGTAATAAGTATGGTGCAAGCGGTATCCGGATTTACCGGGTGTAAAGGGAGCGCAGGCGGAAGGCTAAGTCTGATGTGAAAGCCCGGGGCTCAACCCCGGTACTGCACTGGAAACTGGTCATCTAGAGTGTCGGAGGGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15429;tax=d:Bacteria(0.6433),p:Firmicutes(0.0716),c:Clostridia(0.0132),o:Clostridiales(0.0109),f:Clostridiaceae_1(0.0033),g:Caloramator(0.0028);
GTGCCAGCAGCCGCGGTAATACGAGAGGGGCGAGCGTTATCCGGAATTATTGGGCGTAAAGGGTTCGTAGGTGGTATTTGTTGTTATAGGTAAAATTTTAGAGTAAAATTTAAATTGCCTATAATACTCTTTTACTTGAGTATAGAAGAGGATAACAGAATTTCATAATTAGGGGTAAAATCCTTTGATTTATGAAGGAATGTCAATGGCGAAGGCAGTTATCTGGTCTATTAACTGACGCTGAGGAACGAAAGCGTAGGGAGCAAACAGGATTAGATACCCTGGTAGTCTACGCAGTCAAAGATGAATGCTAATGTTAGGAAATTTCTGGCATATAGTTAACACGTTAAGCATTCCGCCTGGGAAGTACGATCGCAAGATTGGAACTCAAATGAATTGACGGGG
>OTU15430;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Eubacteriaceae(0.1098),g:Eubacterium(0.0204);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGTTTTCGGATCGTAAAGCTCTGTCTTTGGGGAAGATAATGACGGTACTTGAGGAGAAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTACGCAGGTGGTTACCTAAGCACGAGGTATAAGGCAATGGCTTAACCATTGTTCGCCTTGTGAACTGGGATGCTTGAGTGCAGGAGAGGAGAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGGCTGTAACTGACACTGAGGTACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15433;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9507),c:"Bacteroidia"(0.6346),o:"Bacteroidales"(0.3639),f:"Porphyromonadaceae"(0.1872),g:Barnesiella(0.0204);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACTGTCCTACGGATTGTAAACCTCTTTTGTCGGGGAATAACGTGCGTGACGCGTCCCGTATTGAGTGTACCCGATGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGTCCGACAAGTCAGCGGTCAAAGTTCAGGGCGCAACCCGGGGTGGCCGTGGAAACTGGGTGGCTCGAGTGCGTGCGAGGAAGGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATGACGAAGAACTCCGATTGCGAAGGCAGCTTTCCAGCGCGATACTGATGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU15432;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Peptostreptococcaceae(0.0710),g:Clostridium_XI(0.0157);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGCTACTTGTGGAGGAAGCTCCGGCTAACTACGTGCCGGCAGCCGCAGTACTACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGAGGGCAAGTCTGATGTGAAATCCACGGGCTGAACGCGTGAACTGCAGCTGAAACTACTAGTCTTGAGTATCGGAGAGGCAAGCGGAATTCGTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15435;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9507),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3319),f:"Porphyromonadaceae"(0.1679),g:Barnesiella(0.0181);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTCGCGTGAGGAAAGACGGTCCTATGGATTGTAAACCTCTTTTGTCAGGGAGTAAGCGCGGGACGTGTTCCGTAGCTGAAAGTATCAGATGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGCGCGTTAAGTCAGTGGTAAAAGTGAGGGGCTCAACCCCTTCCGGCCATTGAAACTGGCGGGCTTGAGTGAGCGCGAGGTATGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACTCCGATTGCGAAGGCAGCATACCGGCGCGCAACTGACGCTGAGGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU15434;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9605),c:Betaproteobacteria(0.7114),o:Burkholderiales(0.3959),f:Sutterellaceae(0.2184),g:Parasutterella(0.0519);

ACGGAAGGCAGCAGTGGGGAATTTTGGACAATGGGCGCAAGCCTGATCCAGCTATTCCGCGTGTGGGAAGACGGCCTTCTGGTTGTAAACCACTTTTGTAGAGAACGAAAAGTCTATTGATAATACCGATAGACGATGACGGTACTCTAAGAATAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCGCGCGTTAATCGGAATTACTGGGCGTAAAGGGTGTGCAGGCGGTTTTGCAAGATGGATGTGAAAGCCACGGGCGTAACCGGGGAAAGCCATACATGAATGCAAGACTAGAGTGCGTCAGAGGGGGGTGGAAGTCCGAGTGTAGCAGTGAAATGCGTAGATATTTGGAAGAACACCGATGGCGAAGGCAGCCCCCTGGGACGCAACTGACGCTCATACACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15437;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Lachnospiraceae(0.6709),g:Roseburia(0.4351);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATTTCGGGATGTAAAGCTCTATCTACCGGGGAGAAGAAATGACGGTACCTGACTAATAAGAACAGGCTAAATACGTACCAGCAGCCGCGGTAATACGTATGGTGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGAAGGCTAAGGCTGATGTGAGAGCTCGGGGCTCAACCCCGGTACTGCATTGGAAACTGGTCGTCTAGAGTGTCTGAGGGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGACGGCGGTTTACTAGACGATAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15436;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Rumi
nococcaceae(0.5632),g:Oscillibacter(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGATGGC
TTTCGGGTTGTAAACTTCTTTTGACAGGGAAGAGCAGAAGACGGTACCTGTCGGATAAGCCACGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGCTGAC
AAGTCAGATGTGAAATCCGGGGGCTCAACCCCCGAACTGCATTTGAAAATGTTGGTGTTGAGTATCGGAGAGGAAG
GCGGAATTCCTAGTGTAGCGGTGAAATGCGTCGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGA
CAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15438;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:Sphingobacteriia(0.2902),o:"Sphingobacte
riales"(0.1249),f:Sphingobacteriaceae(0.0457),g:Parapedobacter(0.0087);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGATGGAAGTCTGATCCAGCCATGCCGCGTGCAGGATGACGGTC
CTATGGGTTGTAAACTGCTTTAGCATGGGAGCAATGAGGTGTACGTGTACACCGTTGTGAGTACCATAAGAATAAGC
ACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGT
GCGTAGGCTGTAAGTTAAGTCAGCGGTGAAAGTTCGCGGCTAAACCGTGAGAGTGCCGTTGAAACTGACAGACTTG
AATGCGGAAGAGGTCGGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATGACGCAGAAGGCCGATTGCGAA
GGCAGCTGGCTAGGCCGCGATTGACGCTGAGGCACGAAAGTGTGGGGATCAAACAGGATTAGATACCCTGGTA
>OTU15439;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Pept
ostreptococcaceae(0.0560),g:Filifactor(0.0134);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGAAGAAGGT
CTTCGGATTGTAAAGCTCTTTGATCAGGGACGAACACAATGACGGTACCTGAAGAACAAGCCCCGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGTGCGTAGGTGGCTTA
GCAAGTTGGCAGCGTAATTCCGGGGCTTAACCTCGGCGCTACTACCAAAACTGTTGAGCTCGAGTGCAGGAGGGGTA
AGTGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACATCGGTGGCGAAGGCGACTTACTGGACT
GTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15440;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Rumi
nococcaceae(0.1872),g:Saccharofermentans(0.0230);
ACGGAAGGCAGCAGTGGGGAATCTTTTTCCCTGTCCTCCAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTCT
TCGGATTGTAAACTTCTGTTATGAGGGGCGAAGGACGTGACGGTACCTCATGAATAAGCCACGGCTAACTACGTGCC
AGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGGATGCA
AGTCAGATGTGAAATCTATGGGCTTAACCCATAAATTGCTATCAAAACTGCTGGCCTTGAGTAGTGCAGAGGTAGGT
GGAAGTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGTCAACTGGACGATA
ACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAAATACCCTGGTA

>OTU15441;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Bacilli(0.9719),o:Lactobacillales(0.8303),f:Lactobacillaceae(0.6350),g:Lactobacillus(0.3043);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTCTTCGGATCGTAAAACTCTGTCGTTAGAGAAGATCATGAGTGAGCGTAACTGTTCATTCGCTGCCGGCATCTAACCAGCAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGCTAATACGACGGTGGCAAGCGTTGTCCGGAATTATTGGGCGTAAAGGGAGCGCAGGCGGTCTTTTAAGTCAGATGTGAAAGGCTTCGGCTTAACCCGAGTAGTGCATTGGAAACTGGAAGACTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGGCTGTAACTGACGCTGAGGTTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU15442;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9784),o:"Enterobacteriales"(0.8846),f:Enterobacteriaceae(0.8146),g:Escherichia/Shigella(0.3915);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGCAGGGAGTAAAGTTCATACCTTTGATCATGGACGTTACCCGCAGAAGAAGCACCGGCTAACTCCGTGCAAGCAGCCTCAGTCATACGGAGGGTGCAAGAGTTAATCGGAATTACTGGGCGTAAAGCGCACGCAGGCTGTTTGTTAAGTCAGATGTGAAATCCCCGGGCTCAACCTGGGAACTGCATCTGATACTGGCAAGCTGGAGTCTCGTAGAGGGGGGTAGAATGCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGGCGAAGGCGGCTCCCTGGACGAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15444;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachnospiraceae(0.3884),g:Clostridium_XlVa(0.0904);
ACGGGAGGCAGCAGTGGGGAATATTGCACACTGGGGGAAACCCTGATGCCGCGACGCCGCGCGAGTGAAGAAGCCCTTCGGTATGTAACGCTCTATCAGCAGGGAAGAAGAAGACGGTACCTGACTAAGAAGCCCTGGCTACCTACGTGCCAGCAGCCGCGGTAATACGTCGGGGGCACGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTTGATCAAGTCTGATGTGAAAGCCCGGGGCTCAACCGCGGGACTGCATTGGAAACTGATTAGCTAGAGTGCAGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15445;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8808),c:"Bacteroidia"(0.5195),o:"Bacteroidales"(0.2679),f:"Porphyromonadaceae"(0.1291),g:Parabacteroides(0.0134);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGAAGACGGTCCTATGGATTGTAAACCTCTTTTGTCAGGGAGCAAGCGCGGGACGTGTCCCGTAGCTGAGAGTACCTGAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGTTGCCGATTAAGTCAGCGGTGAAAGTCAGTGGCTCAACCATTGAACTGCCGTTGAAACTGGTTGGCTTGAGTACGTACGGAGCAGGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACCCCGATCGCGAAGGCAGCATACCGGCGCTCAACTGACGCTGAGGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU15443;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:"Bacteroidia"(0.5195),o:"Bacteroidales"(0.2679),f:"Porphyromonadaceae"(0.1291),g:Barnesiella(0.0157);

ACGGGAGGCAGCAGTGAGTCCTCTTTTTCCCTTTTCTCCCTCCTTCACCCTCCAAGTCTCGTGAGGGAAGACGGTCCTATGGATTGTAAACCTCTTTTGTCAGGGAGCAAGCGCGGGACGCGTCCCGTCGTTGAGAGTACCTGAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGACCGTTAAGTCAGTGGTAAAATTGAGAGGCTCAACCTCTTCCGGCCATTGAAACTGGCGGACTTGAGTGAGCGAGAAGTATGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACTCCGATTGCGAAGGCAGCATACCGGCGCTCAACTGACGCTGAGGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU15446;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Lachnospiraceae(0.2864),g:Oribacterium(0.0615);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGATAATGACAGTACCTGACTAAGAAGCCCCGGCTAACTACGTTCCAGCAGCCGCGTTTATACGTATGTTGCAAGCGTTATCAGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAACGGCAAGTTTGAAGTGAAATACCCGGGCTTAACTCGGGAACTGCATTGAAAACTGTCGATCTAGAGTGTAGGAGAGGTAAGTGGAATTCCTGGTGTAGTAGTGAAATGCGTAGATATCAGGAAGAACACAGGAGGCGAAGGCGACTTACTGGACGATAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15448;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9321),o:"Bacteroidales"(0.8412),f:"Prevotellaceae"(0.5632),g:Prevotella(0.0904);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCATTTATAGGGGGGTAAAGTGTGCCACGTTTGGCATATTGCAGGTACCCTATGAATAAGGACCGGCTAATTCCGGTCCAGCGGCCGCGGTATTAGGGAAGGTCCGGGCTTTATCCGGACTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTTATAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGTATTGCAGCGCGAACTGGCAGGCTTGAGTGCGCAGGAAGTAGGCGGAATTCGCCGTGTAGCGGTGAAATGCTTAGATATGGCGAAGAACTCCGATTGCGAAGGCAGCTGACGGGTGCGTAACTGACGCTCATGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU15447;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Negativicutes(0.9784),o:Selenomonadales(0.9707),f:Veillonellaceae(0.9573),g:Mitsuokella(0.7162);

CCTTTCTTCCTCCTTTTGGAATCTTCCGCACTGGGCGCAAGCCTGACGGAGCAACGCCGCGTGAGTGAAGAAGGGTTTCGACTCGTAAAGCTCTGTTGTCGGGGACGAATGTGGAGGTTGTGAATAACAGCTTCCAATGACGGTACCTGACGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGAATTATTGGGCGTAAAGGGAGCGCAGGCGGGAGGTCAAGTCTATCTTAAAAGTGCGGGGCTCAACCCCGTGAGGTGATGGAAACTGGTCTTCTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15449;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Lachnospiraceae(0.1679),g:Clostridium_XlVa(0.0423);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAGGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGCAGTAACTGGTCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTTGATCGAGTCTGATGTGCAAGCCCGGGGCTCAACCCCGGGACTGCATTGGAAACTGAACAGCTGGAGTGCAGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15453;tax=d:Bacteria(0.0024),p:"Actinobacteria"(0.0000),c:Actinobacteria(0.0000),o:Actinomycetales(0.0000),f:Actinomycetaceae(0.0000),g:Varibaculum(0.0000);

GTGAATCATCGAATCTTTGAACGCACATTGCGCCCTGTGGTATTCCGCAGGGCATGCCTGTTCGAGCGTCATTTAACCCCCTCAAGCTTTGCTTGGTGTTGGGCGTTTGTCCTGCCTTCTAGCATGGACTCGCCTTAAAATCATTGGCAGCCACCTCCCTGGCTTCGAGTGCAGCACTTTTGCGCCCGGTACTTGGGGGTTGTGGTTCTCCAGAAGCCCTTTTTTTTAGTTGACCTCGGATCAGGTAGGGATACCCGCTGAACTTAAGCATATCAATAAGCGGAGGA

>OTU15450;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Clostridiaceae_4(0.0710),g:Thermotalea(0.0157);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGAGGCAACTCTGACCCAGCAACGCCGCGTGAAGGATGAAGGTTTTCGGATTGTAAACTTCTGTCGCGAGAGACGAAGAATGACGGTATCTCGCAAGAAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGAATGACTGGGCGTAAAGGGAGTGTAGGCGGCCTTTTAAGTTATGTGTGAAAGCCCACGGCTTAACCGTGGAACTGCACATAAAACTGGAGGGCTGGAGTGCAGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGAGGCGAAGGCGACTTACTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15451;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Clostridiaceae_1(0.3544),g:Clostridium_sensu_stricto(0.0808);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCTACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTAGCAAGTCTGATGTGAAAGGCGGGGGCTCAACCCCCGGACTGCATTGGAAACTGCCAGTCTTGAGTGCCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATACGGAGGAACACCAGTGGCGAAGGCGGCCTGCCGGACAGCAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15452;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Eubacteriaceae(0.2524),g:Eubacterium(0.0712);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGGAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGT
TTTCGGATTGTAAACCTCTGTTTTCGGTGACGAACAAATGACGGTAACCGAGTATGAAGCCACGGCTAACTACGTGCC
AGCAGCCGCGGTAATACGAAGGTGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGAGATAGC
AAGTCAGCTGTGAAAACTAGGGGCACAACCCATAAACTGCAGTTGAAACTGTTATTCTTGATTGGAGCAGAGGCAGG
CGGAATGCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGCGGAACACCAGTGGCGAAGGCGGATTGCAGGGCTCT
AACTGACGCTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGGA
>OTU15454;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Lachnospiraceae(0.0560),g:Clostridium_XlVa(0.0134);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGT
CCTATGGATTGTAAACCTCTTTTGTCGGGGAGCAAAAAAGCAGTTATGTGCTAATTGAGAGTACCCGAAGAAAAAGC
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGG
AGCGTAGGCGGCATGGCAAGTCTGATGTGAAAACCCAGGGCTCAACTCTGGGACTGCATTGGAAACTGTCAAGCTG
GAGTGTCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGA
AGGCGGCTTGCTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15455;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:"Bacteroidia"(0.5195),o:"Bacteroidales"(0.2679),f:"Prevotellaceae"(0.0904),g:Prevotella(0.0134);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCGGGACGACGGC
CCTATGGGTTGTAAACCGCTTTTGTCTGGGAACAAAGAGCGCCACGTGTGGTTCGTTGCGTGTACCTTTCGAATAAAC
ATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGATTCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCGGGCTGTTAAGTCAGCGGTCAAATGTCAGGGCCCAACAGTAGTATGCCGTGAATACTGGCGGACTAGA
GTGCACACGAGGAAGGTGGAATGCGTCGTGTAGCGGTGAAATGCATAGATATGATGAAGAACACCGATTGCGAAGG
CAGCTTACTGGGGTATAACTGACGCTGAAGCTCGAAAGCGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU15457;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8520),f:Bacteroidaceae(0.5632),g:Bacteroides(0.3915);
ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAATGC
CCTATGGGTTGTAAACTTCGTTTATGAAGGAATAAAGTCGGGTATGCATACCCGTTTGCATGTACTTTATGAATAAGG
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGATGGATGGTTAAGTCAGTGGTGAAATGTTGCGGCTCAACCGTAGAAGTGCAGTGGGTACTGGAGATCTTG
AGTGAAGCTGAGGTAGGAGGAATGTGTAGTGTAGCGGTGAAATGCTTAGAGATCACGAAGAACTCCGATTGCGAAG
GCAGCTTGCGAAGCTGCAATTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU15456;tax=d:Bacteria(1.0000),p:Firmicutes(0.9994),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Lachnospiraceae(0.7428),g:Roseburia(0.4787);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGGA
TTTCGGTATGTAAAGCTCTATCAGCGGGGAAGAAGAAATGACGGTACCTGACTAAGAAGCACTGGCTAAATATGTGC
CAGCAGCCGAGTTAATATGTATGGTGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGAAGGCT
AAGTCTGATGTGAAAGCCCGGGGCTCAACCCCGGTACTGCATTGGAAACTGGTCATCTAGAGTGGCGGAGGGGTAA
GCGGAATGCCTGGTGTAGCGGTGAAATGCGTAGATATGAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACG
ATGACTGACGCTGAGGCTCGAAGGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15459;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9900),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.
6138),f:"Prevotellaceae"(0.2184),g:Alloprevotella(0.0423);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGCGAGACTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
CCTCCGGGTTGTAAACTGCTTTTAGTTGGGAATAAAAGGGTGTACGTGTACGCCGTATTGTATGTACCATCAGAAAAA
GGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATAAGGAAGGTCCGGGCGTTATCAGGATTTATTGGGTTTAAAGG
GAGCGTAGGCGGGTTTTTAAGTCAGTTGTGAAAGTGTGCGGCTCAGCCGTAGAATTGCAGTTGAGACTGGAAGGCTT
GAGTGCAAGCGGGGGTGCCGGAATTCATGGTGTAGCGGATAAATGCTTAGATATCATGAAGAACGCCGCAAGCGAA
GTCAAGTGCCCGGAGTGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCAAAAAGGGATAGATACCCTGGTA
>OTU15460;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9474),c:"Bacteroidia"(0.7114),o:"Bacteroidales"(0.
4280),f:"Porphyromonadaceae"(0.1485),g:Parabacteroides(0.0181);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGGAGCCTGAACCAGCCAAGTCGCGTGAGGGATGAAGGC
CCTACGGGTTGTAAACCTCTTTTATAAGGGAATAAAGGACATCACGTGTGGTGTTTTGCATGAACCTTATGAATAAGC
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGCGCGTTATCCGGATTCATTGGGTTTAAAGGGT
GCGTAGGTGGCTTGTTAAGTCAGTGGTGAAAGTCCGTGGCTCACGCCTGTAATTGCCGTTGAAACTGGCGAGCTTGC
GTACGTACGGGGCAGGCGCAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACCCCGATCGCGAATG
CAGCCTGCAAGGCCGTGACTGACACTGATGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU15458;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:"Bacteroidia"(0.4045),o:"Bacteroidales"(0.
1719),f:"Porphyromonadaceae"(0.0710),g:Butyricimonas(0.0157);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGCACCAGCCAAGTCGCGTGAGGGAAGAATGG
TCTATGGCCTGTAAACCTCTTTTGCCAGGGAAGAATAAAAGGTACGTGTACCTTCTTGCCAGTACCTGACGAATAAGC
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTGTAAAGGG
CGTGCAGCCGGGTCTGCAAGTCAGATGTGAAATCCGCGGGCTTAACCCGCGAACTGCATTTGAAACTGTGGATCTTG
AGTATCGGAGAGGTAATCGGAATGCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAG
GCGGCTTACTGGACGATTACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15461;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lach
nospiraceae(0.3884),g:Roseburia(0.0904);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
TTTCGGTATGTAAAGCTCTGTCAGCAGGGAAGAAGAAATGACGGTACCTGACTAAGAAGCACCGGCTAAATACGTGC
CAGCAGCCGCGGTAATACGTATGATGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAACTGC
AAGTCAGATGTGAAAACCACGGGCTCAACCTGCGGCCTGCATTTGAAACTGTAGTTCTTGAGTACTGGAGAGGCAGA
CGGAATTCCTAGTGTAGCGGTGACATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACCGT
AACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15462;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.
7995),f:"Prevotellaceae"(0.3544),g:Prevotella(0.1299);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTCTGGGTTTTAAACTGCTTTCATAAGGGAATAAAGTGAGTCTCGTGAGGCTTTTTGCATGTACCCTATGAATAAGG
CCCGGCTAATTGCGTTCCAGCAGCCGCGGTAATACGGAAGGACCGGGCGTTGTCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCCGGAGATTAAGCGTATTGTGAAAGGTAGATGCTGAACATCTGAACTGCAGCGCGAACTGGTTTACTAGA
GTACGCACGAAGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACACCGATTGCGAAGG
CAGCTCACTGGAGCGTAACTGACGCTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU15465;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9776),o:"Bacteroidales"(0.
9685),f:"Prevotellaceae"(0.8505),g:Prevotella(0.6681);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTCTGGGCTGTAAACTGCTTTTATAAGGGAATAAAGTGAGTCTCGTGAGACTTTTTGCATGTACCTTATGAATCAGG
ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCCGGAGATTAAGCGAGTTGTGAAAGCTAGACGCTTAACGTCTGCACTGCAGCGCGAACTGGTATTCTTGA
GTACGCACAAAGTGAGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCAGTTGCGAAGG
CAGCTTGCTGGAGCGCAACTGACGCTGAAGCTCGAAAGTGCGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU15463;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Negativicutes(0.9321),o:Selenomonadales(0.84
12),f:Veillonellaceae(0.6709),g:Anaerovibrio(0.1299);
ACGGGAGGCAGCAGTGGGGAATCTTCCGCAATGGGCGCAAGCCTGACGGAGCAACGCCGCGTGAGTGAAGAAGGT
TTTCGGATCGTAAAGCTCTGTTGAGAGGGACGAGAGGCAAGGCTAGGAAATGAGCTTTGTAGGACGGTACCTTTCG
AGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGAATTATTGGGCG
TAAAGGGAGCGCAGGTGGGAAAGTAAGTAAGTCTTAAAAGGGCGGGGATCAACCCCGGGGGGGGATTGAAACTAC
TTTGCTTGAGTGAAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAG
TGGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGCTCGAAAGACAGGGGAGCGAACAGGATTAGATACCCT
GGTA
>OTU15464;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.8988),c:Deltaproteobacteria(0.7497),o:Desulfovib
rionales(0.4652),f:Desulfovibrionaceae(0.1872),g:Desulfovibrio(0.0326);

ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGT
CTTCGGATCGTAAACCTCTGTCAGCAGGGAAGAATAAGCATTGTTCTAATCAGCAGTGCCCTGACTGTACCTTCAAAG
GAGGCACCGGCTAACTCCGTGCCAGCAGCCGCGTTCATACGTAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAA
AGCGCATGTAGGCTGTATGGCAAGTTGGAGGTGAAAGCGCACGGCTCAACCGAGGAACTGCCTTCAAAACTAGAGA
GCTGGAGTGCGAGAGAGGATAGCGGAATTCCAGGTGTAGGAGTGAAATGCGTAGATATAGGGAAGAACATCAGTG
GCGAAGGCGGCTATCTGGGTCGTAACTGACGCTGAGATGCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGG
TA

>OTU15468;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9791),o:"Bacteroidales"(0.
9730),f:Bacteroidaceae(0.9015),g:Bacteroides(0.8605);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTTAGCCTGAACAAGCCAAGTAGCGTGAAGGATGAAGGC
TCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTATGTATACTGTTTTGTATGTATTATATGAATAAGGA
TCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTGTAAAGGGAG
CGTAGGTGGACTGGTAAGTCAGTTATGAAAGTTTGCGGCACAACCGTAAAATTGCAGTTGATACTATCAGTCTTGGG
TACAGTAGAGGTGGGCGTAATTCGTGGTTTAGCGGTTAAATACTTAGATATCACTAAGAACTCCGATTGCGAAGGCA
GCTCACTGGACTGCAATTAACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU15467;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.
8520),f:Bacteroidaceae(0.3544),g:Bacteroides(0.1299);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTCGCGTGAAGGATGACTGC
CCTAGGGGTTGTAAACTTCTTTTATTTTGGAATAAAGTATTCCACGTGTGGGATTTTCTATGTATCATATGAATAAGGC
TGCGCTAACTATGCGCCAGCAGCCGCGGTTATACGGAGTTTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGTAGGTGGATTGTTAAGTCAGTTGTGAAAGTTTTCGGCTTAACCGAAAAATTGCTGTTGAAACTGGCAGTCTTGAGT
GCAGTAGAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCGCGAAGAACTCCGATTGCGAAGGCA
GCTCACTAGGCTGCAACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU15466;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Lach
nospiraceae(0.1098),g:Catonella(0.0181);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
TTTCGGTATGTAAAACTCTATCAGCAGGGAAGATAATGACAGTACCTGACTAAGAAGCCCCGGCTAAATAACTGCCA
GCAACCGCGGTAATACGTAGGGGGCCAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCCGTCTTATAA
GCGTGTTGTGAAATGTCGGGGCTAAACCCGGGAACTGCAGCGCGAACTGTGGGACTTGAGTGCGGAGGAAGTAGG
CGGAATTCGCCGTGTAGCGGTGAAATGCTTAGATATGACGAGGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGC
AACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU15470;tax=d:Bacteria(0.0041),p:"Acidobacteria"(0.0000),c:Acidobacteria_Gp1(0.0000),g:Terriglobus(
0.0000);

TCAGCACTAACCTTGCGAGTCCTTTCTTTGATTTGGTCATTGTTCAACTACTGACCCGCCGTTTGCGCTTGAGTAAGCA
TTTGGCGCATAATCTCGGAAACCTGCTGTTGCTTGGAAAGATTGGTGTTTTCCATAATAGACGCAACGCGAGCAGTAG
ACTCCTTCTGTTGATAAGCAAGCATCTCATTTTGTGCATATACCTGGTCTTTCGTATTCTGGCGTGAAGTCGCCGACTG
AATGCCAGCAATCTCTGTGGGAGTCTCATTTTGCATCGCGGCAATCTCTTTCTGATTGTCCAGTTGCATTTTAGTAAGC
GCTTGTGGAGGCTCAAATCCGGCGGCAACC

>OTU15469;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Clostridiaceae_1(0.2184),g:Clostridium_sensu_stricto(0.0615);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGACGGG
TTTCGGCTCGTAAAGCTCTGTTGTTAGAGAAGAACGTTCGTGAGAGCAACTGTTCACGCATTTACGTTATCTATCCAG
AACGTCACGGCTAACTCCGTGCCCGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGCGTAA
AGGGAGCGTAGGCGGATGATTAAGTGGGAGGGGAAATACGCGGGCTAAACGTGGGTGCTGCATTCCAAACTGGTT
ATCTAGAGTGAAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGT
GGCGAAGGCGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTG
GTA

>OTU15471;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9908),o:Lactobacillales(0.9775),f:Lactobacillaceae(0.9480),g:Lactobacillus(0.8124);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGGAGGG
TTTCGGCTCGTAAAGCTCTGTTGCTAGAGAAGAACGTGCGTGAGAGCAACTGTTCACGCAGTGACGGTATCTAACCA
GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTA
AAGCGAGCGCAGGCGGTTTGATAAGTCTTGTGTGAAAACCCTTGGCTTAACCAAAGAAGTGCATCGGAAACTGTCAG
ACTTGAGTGCAGAAGAGGACAGTGGAACTCCAAGTGGAGCGGTTGAATGCGTAAGTATATGGAAGAACCCCAGTGG
CGAAGGCGGCTGGCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATAGGTAGCGAACAGGATTAGATACCCTGGT
A

>OTU15472;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9740),o:"Bacteroidales"(0.9172),f:Bacteroidaceae(0.6709),g:Bacteroides(0.5239);

ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGGCGCTAGCCTGAACCAGCCACGCAGCGTGAAGGATGAAGGC
TCTCTGGGTCTTAAACTTCTTTTATATAAGAATAAAGTGCAGTATCTACACTGTCTTGTCTGTCTTATTTCAATCAGGCT
CGGCCAACTCTGCGCCAGCAGCCGCGGTTATACGGAGGTTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGC
GTAGGTGGACTGGTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAGATTGCAGTTGATACTGTCAGTCTTGAGT
ACAGTAGAGGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGAGATCACGAAGAACTCCGATGGCGAAGGCA
GCTCACTGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU15473;tax=d:Bacteria(0.0041),p:"Chlamydiae"(0.0000),c:Chlamydiia(0.0000),o:Chlamydiales(0.0000),f:Chlamydiaceae(0.0000),g:Chlamydophila(0.0000);

TAGCAATCCACACTTTGTTACTCGTCAGAAAATCGACATCATCTTCGGTTCCATCCAACCCGGCAGAAGCCTGAATGC
GTTTAATAGAGGCCTAAGCGGTCTGGAAACGTACGTATTTTTCCGTAACTTGACTCATGATTTCTTACCTATTAGTGGT
TGAACCGCATCGGCCTCAGCTAGTATTCCACGCTCTTTTAAAATGTCAACAAGAGTATCTCTACCATGAACAAAATGTG
ACTCATATCTAAACCAGTCCTTGACGAAAGTGCCAAGCATATTAAGCCACTTCGCCTCATCCAACGAGTCAGGTTTTGA
CAGAAGCGTTAGTGGAAGGCGAAAGGTCGGAAAGGAAGAGCGTCTCGAGCTGCGGAAGGATAGGTCGAATTTGAT
CATTGTCCGCGAGCAGGCCAATTCGATTGAAGTCGTAAACAATCAGTA
>OTU15475;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9740),o:"Bacteroidales"(0.
9172),f:"Prevotellaceae"(0.4914),g:Prevotella(0.3043);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
CCTATGGGTTGTAAGCTTCTTTTAGAAGGGAATAATTGCGGGTACGCGTACACGTTTGCATGTACCGTATGAATAAGG
ATAGGCTAACTCCGTGCCAGCAGCGGCGGTACTACGGAGGATCCGAGGGGAATGCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCGGGCGCGTAAGTCAGCGGTGAAAGTTTTGGGCTCAACCTTAAAATTGCATTTGATACTGGGTGCCTTG
AGTGCAGTATAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCTATTGCGAAG
GCAGCTTGCTGGAGTGTAACTGACGCTGATGCTCGAAAGTGTGGGGATCAAACAGGATTAGATACCCTGGTA
>OTU15476;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.
9606),f:"Porphyromonadaceae"(0.8505),g:Parabacteroides(0.7643);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGATGAAGGT
TCTATGGATCGTAAACCTCTTTTATAAGGGAATAAAGTTCGGGACGTGTCCCGTTTTGTATGTACCTTATGAATAAGG
ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGT
GCGTAGGCAGCAGTTTAAGTCTGCTGTGAAAGTCTGGGGCTCAACCATAGAATTGCAGCTGAAACTGTGATGCTTGA
GTATGTGTAAGGCAGGCGGAATGCGTGGTGTAGCGGTGAAATGCTTAGATATCACGCAGAACCCCGATTGCGAAGG
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>OTU15477;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9798),o:"Bacteroidales"(0.
9753),f:Bacteroidaceae(0.8864),g:Bacteroides(0.8124);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGATAGCCTGAACCAGCGAAGTAGCGTGAAGGATGAAGGC
TCTATGGTTCGTAAACCTCGTTTATATAAGAATAAAGTGCAGTATGTGTGCTGTTTTGTATGTATTATATGAATAAGGA
TCGGCTAATTCCGTGCCAGCAGCCACGGTAATACGGAAGGTCCGGGCGTTATCTGGATTTATTGGGTTTAAAGGGAG
CGTAGGTGGACTGGTAAGTCAGTTGTGAAAATTATCGGCTCAACAGTAAAATTGCAGTTGATACTGTCAGTCTTGAGT
ACAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACCCCGATTGCGAAGGCA
GCTCACTGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTAGTA
>OTU15474;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9908),o:Lactobacillales(0.9753),f:Lactob
acillaceae(0.9294),g:Lactobacillus(0.7643);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGC
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CAAGTCCCGTCTAACTACGTGCCCTCAGCCTCTTTAATACGTTGGTGGCTAGCGTTATCCGGATTTATTGGGCGTAAAG
CGAGCGCAGGCGGTTTGATAAGTCTGATGTGAAAGCCTTTGGCTTAACCAAAGAAGTGCATCGGAAACTGTCAGACT
TGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGAGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCG
AAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU15478;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Clost
ridiaceae_1(0.1098),g:Clostridium_sensu_stricto(0.0204);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAGGGATGAAGGC
TCTATGGGTCGTAAACTTCTTTTATATAAGCATAAAGTGCGGTACGTATACAGGATTGTATGTATTATATGAATAAGG
ATCGGCTAATTCCGTGCCGGCAGCCGCGGTAATACGGAGGGTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCGGATGATTAAGTGGGATGTGAAATCCCCGGGCTCAACCTGGGTGCTGCATTCCAAACTGGTTGTCTAGA
GTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAG
GCGACACTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15479;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9784),o:Lactobacillales(0.9606),f:Lactob
acillaceae(0.8864),g:Lactobacillus(0.7162);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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acillaceae(0.1872),g:Lactobacillus(0.0519);

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rionales(0.5395),f:Desulfovibrionaceae(0.2184),g:Desulfovibrio(0.0615);
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89),f:Spirochaetaceae(0.9201),g:Treponema(0.1299);
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719),f:Acholeplasmataceae(0.0710),g:Acholeplasma(0.0157);
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12),f:Spirochaetaceae(0.6709),g:Treponema(0.3479);
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anaerovirga(0.0076);
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2039),f:"Prevotellaceae"(0.0355),g:Alloprevotella(0.0076);
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GAAAGTCACGGCTACATACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTA
AAGCGAGCGCAGGCGGTTGCTTAGGTCTGACGTGAAAGCCCTCGGCTTAACCGAAGAAGTGCATCGGAAACCGGGC
TGCTGGAGTGCCGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTCGATATAAGGAAGAACACCAGTG
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>OTU15533;tax=d:Bacteria(0.7187),p:"Bacteroidetes"(0.1508),c:Sphingobacteriia(0.0224),o:"Sphingobacte
riales"(0.0170),f:Sphingobacteriaceae(0.0046),g:Solitalea(0.0032);

ACGGGAGGCAGCAGGGATGAATATTGGGCAATGGGCGGAAGACTGAACCAGCCATGCCGCGTGCGGGAAGTAGGC
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AGCATCGGCTACCTCCTTGCCAGCTGCCGCGGTAATACGGGGGATTCGAGCGTTATCCGGATTCATTGGGTTTAAAG
GGTGCGTAGGCTGTGCGTCAAGTCAGGTGTGAAATTCCGGGGCTCAACTCCGGGGCTGCACTTGATACTGTCGCTCT
GGAGTGCGGATGCCGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACTATGAACACCGAGTGCGA
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>OTU15535;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9762),o:"Entero
bacteriales"(0.8629),f:Enterobacteriaceae(0.7428),g:Escherichia/Shigella(0.3479);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGGTGCAGCCATGCCGCGTGTATGAAGAAGGC
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CGAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGCGGGTGCATGCGCTAATCGGAATTACTGGGCGT
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AGCTTGAGTCTCGTAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGATGAATACCGGTG
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GTA

>OTU15538;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9736),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.
3959),f:"Prevotellaceae"(0.1098),g:Alloprevotella(0.0134);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAAGCAGCCAAGTAGCGTGCAGGATGACGTA
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GACCGGCTAATTCCGTGCCAGCAGCCACGGTAATACGGCATGTCCAGGCGTTATCCGGATTTATTGGGTTTAAAGGG
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>OTU15536;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Ruminococcaceae(0.1872),g:Intestinimonas(0.0157);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGTCGCGTGAAGGAAGAAGGCCTTAGGGTTGTAAACTTCTTTTGTCAGGGACGAGTAGAAGACGATACCTGACGAATAAGCCACGCCGAACTACGTGCCAGCAGCCGCGGTCATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGAGGGCAAGTCAGATGTGAAATCCACGGGCTCAACGCATGAACTGCATTTGAAACTGCTCTTCTTGAGTGTCGGAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCGGTTGCGAAGGCGGATTGCTGGACGACAACTGACGGTAAGGCTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU15537;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Ruminococcaceae(0.1679),g:Intestinimonas(0.0110);
ACGGAGGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTGTCAGGGACGAGTAGAAGACGGTACCTGACGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGAGGGCAAGTCAGCGGTGAAAGGCCCGGGCTCAACCCGGAAAGTGCCGTTGATACTGTGAGGCTGGAATGCGGATGCTGTGGGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCACTCAGAACACCGATTGCGAAGGCATCTCACGAATCCGCAATTGACGCTGAGGCACGAAAGCGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU15540;tax=d:Bacteria(0.0024),p:"Proteobacteria"(0.0000),c:Gammaproteobacteria(0.0000),o:Legionellales(0.0000),f:Legionellaceae(0.0000),g:Legionella(0.0000);
CGGCATTCCTGCTGAACCGGACCATGCCGCTTTTCTTGGCACGATTAACCCTGATACCAATACAATCCCTAAGCATTTGTTTCCGGGTTATTTGACTATCTATAACAACTATTTTAAAGCGCCGTGGATGCCTGACCGTACCGAGGCTAACCCTAATGAGCTTAATCAAGATGATGCTCGTTATGGTTTCCGTTGCTGCCATCTCAAAAACATTTGGACTGCTCCGCTTCCTCCTGAGACTGAGCTTTCTCGCCAAATGACGACTTCTACCACAGCTATTGACATTATGGGTCTGCAAGCTGCTGATGCTAATTTGCATACTGACCAAGAACGTGATGACTTCATGCAGCGTTAC
>OTU15543;tax=d:Bacteria(0.9827),p:Firmicutes(0.5174),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Lachnospiraceae(0.0099),g:Syntrophococcus(0.0043);
ACGGGAGGCAGCAGCAGGATTAGATACCCTGGTAAGGTCGGCAGAGCACACGTCTGAACTCCAGTCACCCAGCCATCTCGTATTCCGTATTCTTCTTGGAAAGAAAAAAAGGCCCGAAAGGGAGATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACGGGGTGTAAAGGGAGCGCAGACGGCAGTGCAAGTCTGATGTGCAAGCCCGGGGCTCAACCCCGGAGCTGCATTGGAAACTGTACAGCTTGAGTGTCGGCGAGGTAAGCGGAATCCCTAGTGTAGCGGTGCAATTCGTTGTTTTTTGAATGATCCGGCGACCACCGAGAGCTACACTCTTTCCCTACACGACGCTCTGCCGATCTACGTGAGGCAGCAGCAGGATTAGATACCCTGGTA
>OTU15541;tax=d:Bacteria(0.8319),p:"Bacteroidetes"(0.2586),c:Sphingobacteriia(0.0425),o:"Sphingobacteriales"(0.0291),f:Sphingobacteriaceae(0.0073),g:Solitalea(0.0039);

CCTTCCTTCCTCCTTTCTTCCTCTTTTTCCCTTTGCGCCCGCCTGAACCAGCCATGCCGCGTGCAGGAAGAAGGCCCTAT
GGGCTGTAAACCGCTTTTTGATGGGGGCAATAAGGGCGTCGCGCACGTCCTATGAGAGTACCAGGCGAATAAGCAT
CGGCTAACTCCGTGCCGCCGTCCGGGGTAATACGGGGGGTTGGGGGGTTATCCGGATTAATGGGGTTTAAAGGGTG
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TGCGTACGATGTAGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACTAAGAACACCGATTGCGAAGGC
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>OTU15542;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Bacilli(0.9769),o:Lactobacillales(0.8955),f:Lactob
acillaceae(0.7428),g:Lactobacillus(0.5239);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGAAAGTCTGATGGAGCAACGCCGCGTGAGTGATGAAGGG
TTTCGGCTCGTAAAGCTCTGTTGTTAGTGAAGAACGATAGTGGTAGTAACTGGCCATTATTTGACGGTAATTTCTTAG
AAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAA
AGCGAGTGCAGGCGGTTGAATAAGTCTGATGTGAAAGCCCGCGGCTCAACCGGAGAAGTGCATCAGAAACTGGTGG
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>OTU15539;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Lach
nospiraceae(0.2524),g:Clostridium_XlVa(0.0712);
ACGGGAGGCAGCAGTGGGGGATATTGCACGATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
TTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTGGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGATGCA
AGTCTGGAGTGAACGCTCAGGGCTCAACCCTGAGACAGCTTTGGAAACAGTATGGCTAGAGTGCTGAAGAGATAAG
TGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGGACAACAGTGGCGAAGGCGGCGTACTGGACAGT
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>OTU15545;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9928),o:Lactobacillales(0.9821),f:Lactob
acillaceae(0.9573),g:Lactobacillus(0.9085);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGCGAAGAAGGG
TTTCGGCTCGTAAAGCTCTGTTGTTAGAGAAGAACGTGCGTGAGAGCAACTGGTAACGCAGTGACGGCATTTAACCA
GAAAGTCACGGCTAACTACGGTCCCGCAGCCGCGGCAGTACGTAGGTGCCTAACGCTATCCGGATTTATTGGGCGTA
AAGCGAGCGCAGGCGGTTTGATAAGTCTGATGTGAAAGCCTTTGGCTTAACCAAAGAAGTGCATCGGAAACTGTCAG
ACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGG
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>OTU15547;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.9606),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCAAAGTAGCGTGAAGGATGACTGCCCTCTGGGTTTTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGCATACCCGTTTGCATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCACGGTTATACGGATTATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGATGTTTAAGTGAGTTGTGAAAGTTTGCGGCTCAACCGGAAAATTGCAGTTGAAACTGGATATCTAGAGTGCAGTAGAGGAAGGCGGAATTCGTAGTGTAGCGGTGGAATGCGTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTAAGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU15544;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Lachnospiraceae(0.2864),g:Roseburia(0.0808);

ACGGGAGGCAGCAGTGGGGGATACTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGGGAAGACGGTCCTCTGGATTGTAAACCTCTGTCTTCGGGGACGAAAGAAGACGGTACCCGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGAAGGCTAAGTCTGATGTGAAAGCCCGGGGCTCAACCCCGGTACTGCATTGGAAACTGGTCATCTAGAGTGTCGGAGAGGTTGACGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGTCAACTGGACGATAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15546;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Clostridiales_Incertae_Sedis_XIII(0.0904),g:Anaerovorax(0.0181);

ACGGGAGGCAGCAGTGGGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACCAGGGGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTGCGTAGGTGGTTACCTAAGCAGGGGGTGAAAGGCAATGGCTCAACCATTATTAGCCCCCTGAACTGGGCTACTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGATGGCGGCTTTCTGGACTGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15549;tax=d:Bacteria(0.0058),p:"Tenericutes"(0.0000),c:Mollicutes(0.0000),o:Mycoplasmatales(0.0000),f:Mycoplasmataceae(0.0000),g:Mycoplasma(0.0000);

AACCTGCTTCAGCGAAACCAATCCGCGGCATTTAGTCGCGGTCAAATTAGACCACACCATGCAACCAACATAAACCTTATTGCCCGGCGTACGGGGAAGGACGTCAATAGTCACACAGTCCTTGACGGTATAATAACCACCATCATGGCGACCATCCAAAGGATAAACATCATAGGCAGTCGGGAGGGTAGTCGGAACCGAAGAAGACTCAAAGCGAACCAAACAGGCAAAAAATTTAGGGTCGGCATCAAAAGCAATATCAGCACCAACAGAAACAACCTGAGTAGCGGCGTTGACAGATGTATCCATCTGAATGCAAGGAAGAAGACTACCATTACCAGAATTAACCGTCAAACTATCAAAATAGAACGTGGACGATGTAGCTTGAGGTGTCG

>OTU15548;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9733),o:Clostridiales(0.9063),f:Lachnospiraceae(0.7428),g:Roseburia(0.4787);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGCAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAGAAATCACGGTACCTGACTAAGAAACACCGGCTAAATACGTGCCAGCAGCCGCTGTCATACGTATGGTGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGAAGGCTAAGTCTGATGTGAAAGCCCGGGGCTCAACCCCGGTACTGCATTGGAAACTGGTCACCTAGAGTGACGGAGAGGTAAGTGGAATTCGTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGATGGCGGCTTACTGGACGATAACTGACGCTGAGGCTCGAGGGCGTGGGGATCAAACAGGATTAGATACCCTGGTA
>OTU15551;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:"Bacteroidia"(0.2902),o:"Bacteroidales"(0.1249),f:Marinilabiliaceae(0.0457),g:Mangroviflexus(0.0110);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGAAGACGGCCCTATGGGTTGTAAACTGCTTTTGTATGGGGGTAAAGGTAGGTACGTGTAGATATTTGCAAGTACTATATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGGGGATCAAGGCAGAGGGGAAATGTGGGGGCTCAACCACTGCAGTGCCGTTGAAACTGATATCCTTGAGTGCGTTAGAGGTATGCGGAATTTGTGGTGTAGCGGTGAAATGCTTAGATATGACACAGAACACCGATTGCGAAGGCAGCATACTGGTCTTTTACTGACGCTGAAGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU15550;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lachnospiraceae(0.3204),g:Clostridium_XlVa(0.0712);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGTGGAAACCCTGATGCAGCGACGCCGCGTCAGTGAAGAAGTATTTCTGTCTGTAACTCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGATGCAAGTCTGGAGTGAAAGCCCAGGGCTCAACCCTGGGACTGCTTTGGAAACTGTATGGCTAGAGTGCCGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGAGAAGGCGGATTAATGGACAGTAACTGAAGGAGAGGCTAGAAAGCGTGGGGAGGAAACAGGATTAGATACCCTGGTA
>OTU15552;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Lachnospiraceae(0.2864),g:Ruminococcus2(0.0615);
ACGGGAGGCAGCAGTGAGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGAAGCCGCGTGAGCGAAGAAGTATCTCGGTATGTAAAGCCCTATCAGCCGGGAAGAAAATGAAGGTACCTGACTAAGAAGCCCCGGCTAACGCCGTGCCAGAAGCCGCGGTAATACGTAGGGAGCAACCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAGAGGCAAGTGTGATGTGAAAACCCGGGGCTCAACCCCGGGAGTGCAGTGGAAACTGTTTCTCTGGAGTGCCGGAGGGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU15554;tax=d:Bacteria(1.0000),p:Firmicutes(0.9994),c:Bacilli(0.9897),o:Lactobacillales(0.9937),f:Lactobacillaceae(0.9294),g:Lactobacillus(0.6681);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCCGTTGTTGGAGAAGAACGTGCGTGAGAGGAAGTGTTCTCGCAGTGACGGTATCCAACCAGACAGTCAAGGTTAATTACGTGCCCGCCGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAGGCGAGCGCAGGCGGTTGCTTAGGTCTGATGTGAAAGCCTTCGGCTTAACCGAAGAAGTGCATCGGAAACCGGGCGACTTGAGTGCAGAAGAGGACAGTGGAACTCCAGGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGACTGTCTAGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU15553;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Ruminococcaceae(0.1485),g:Clostridium_IV(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCCACGCCGCGTGAAGGAAGAAGGCTTTCGGGGTGTAAACTTCCTTTTAGATGGAAGTGCAGAAGACGGTACCTCTAGAATAAGCCACGGCTAACTACGTGGCAGCAGCCGCGGCAATACGTAGGTCGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGCAGCCGGGTCTGCAAGTCAGATGTGAAATCCATGGGCTCAACCCATGAACTGCAGTTGATACTGTAGATCTTGAGTGTCGGAGGGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGGTAACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15555;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9769),o:"Enterobacteriales"(0.8629),f:Enterobacteriaceae(0.7428),g:Escherichia/Shigella(0.3479);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCGGATGCAGCCATGCCGCGTGTATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTGAGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTGCTCATTGACGTTACACGCGGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCGGCGGTAATACAGCGGGTGCAAGCGATAAGCGGAATTACTGGGCGTAAAGCGCACGCAGGCGGTTCGTTAAGTCAGCGTTGAAATCCCCGGGCTCAACCTGGGTACTGCACCTGATACTGGCAAGCTTGAGTCTCGTAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCAGTGGCGAAGGCGGCCCCCTGGACGAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15556;tax=d:Bacteria(0.0041),p:"Actinobacteria"(0.0000),c:Actinobacteria(0.0000),o:Acidimicrobiales(0.0000),f:Acidimicrobiaceae(0.0000),g:Ferrimicrobium(0.0000);
GGCTTAATTTGACTCAACGCGGGAAACCTCACCCGGCCCAGGCACAGACAGGATTGACAGACTGATAGCTCCTTCTCAATTCCATGGGTGGTGGTGCATGGCCTTAGCTGGTGGAGTTATTTGTCTGGTTAATTCCGATAACGAACGAGACTCTGGCATGCTAACTAATTACGTGACCCACAAGCGGTCGGTGTCCCCCAACTTCTTAGATGGATAAGTGGCATTCAGCCACCCGAGATTGAGTAATAACAGGTCTGTGATGCCC

>OTU15557;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9882),o:Lactobacillales(0.9939),f:Lactobacillaceae(0.9108),g:Lactobacillus(0.5720);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGATCACGCAGTGACGGTATCCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGTGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTGCTTAGGTCTGATGTGGAAGCCTTCGGCTTAACCGAAGAAGTGCATCCGAAACCGGGCGACTTGAGTGCAGAAGAGGACAGTGGGACTCCGTGTGTAGCGGTTGAATGCGTAGATATATGCGAAGAAACCAGTGTCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGGAAGCATGGGTAGCGGACAGGATTAGGTACCCTGGTA

>OTU15559;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Clostridiaceae_1(0.3204),g:Clostridium_sensu_stricto(0.0904);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGTAACACCGCGTGAGTGAAGAGGGTTTCGGCTCGTAAAGGTCTTTTTTTGGAGAAGAAAGGTCGGGGGGGTAACTGGTCACGCAGTGGAGGGATCCAAACAAGAAGTTACGGCTAAATACCTGCCAGCAGCCGCGGGAAATCGGAGGTGGGCGGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAAGTGGGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCATTCCAAACTGGTTATCTAGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15561;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9740),o:"Bacteroidales"(0.9172),f:"Prevotellaceae"(0.5273),g:Prevotella(0.3479);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCCCTATGGATTGTAAACTTCTTTTACAAGGGAATAAATGTGGGTACGCGTACCCGAGTGCATGTACCTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCGGGCGCTTAAGTCAGCTGGGAAAGTTTGGGGCTCAACCCTAAAATTGCAGTTGATACTGGCGGCCTTGAGTGCAGGAGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCTATTGCGAAGGCAGCTTGCTGGAGTATAACTGACGCTGATGCTCGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU15558;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Clostridiaceae_1(0.1291),g:Clostridium_sensu_stricto(0.0230);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCAACGCCGCGTGAGTGAAGAAGGCTTTCGGAGTGTAAAGCTCTGTCTTCGGGGAAGAAATTGACGGTACCCAAGGAGGAATCCACGGCTAACTCCGTGCCAGCAGCCCCGGTAATACGTAGGCGGCCAGCGTTATCCGGAGTTACTGGGCGTAAAGGGAGCGTAGGCGGTTGATTAAGTGGGATGTGAAATGCCCGGGCTCAACTTTGGTGCTGCATTCCGAACTGGTTAGCTTGAGTGCCGGAGAGGTGGGT

GGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTTGGAGGAACACCGGTTGCGAAGGCGGCCCACTGGGCGATG
ACTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15560;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9474),c:Gammaproteobacteria(0.8331),o:"Entero
bacteriales"(0.4280),f:Enterobacteriaceae(0.2524),g:Escherichia/Shigella(0.0423);
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3639),f:"Prevotellaceae"(0.1098),g:Prevotella(0.0157);
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1719),f:Bacteroidaceae(0.0710),g:Bacteroides(0.0157);
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(0.5023),f:Actinomycetaceae(0.3204),g:Actinomyces(0.0712);
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ococcaceae(0.1485),g:Streptococcus(0.0326);
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9933),f:Bacteroidaceae(0.9666),g:Bacteroides(0.9762);
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ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGTGACGACGTATTCCTGTATTTAAAGCTCTTTCAGCAGGGAAGAAAAGTACGGTACCTGACTCTGAAGCTCCGGCTCACTACGTGCAAGCCGCCGCGGTAACACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGTAGCAAGTCTGAAGTGAAAACCCAGGGCTCAACCCTGGGACTGCTTTGGAAACTGTTTTGCTAGAGTGTCGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
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AGGGGAGGAAGAAGGGGGGAAGAGGGGAAAAGGGGCGAAAGCCTGATGCAGCGACGACGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGAAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCAAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGAAGCAAGTCTGAAGTGAAAACCCAGGGCTCACCCCTTGGACTGCCTTGGCAACTGTTTTGCTAGAGTGTCGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACGTTGAGTCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

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0781),f:Prolixibacteraceae(0.0252),g:Prolixibacter(0.0076);
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ridiaceae_1(0.5632),g:Clostridium_sensu_stricto(0.3915);
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1015),f:"Prevotellaceae"(0.0355),g:Prevotella(0.0087);
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>OTU15643;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Lach
nospiraceae(0.2184),g:Clostridium_XlVa(0.0615);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGGGAAACCCTAATCAACCGTCGCCGCGTGAGTGAAGAAGTA
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GCAGCCGCGGTAATACGTAGGGGGCAACCGTTGTCCGGATTTACTGGGGGTAAAGGGAGCGTAGACGGCAAAGCA
AGTCTGAAGTGAAAGCCCCGGGCTCAACCCGGGAACTGCTTTGGATACTGTGTAGCTAGAGTGCAGGAGAGGGAAG
TGGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGT
AACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15646;tax=d:Bacteria(0.0041),p:"Acidobacteria"(0.0000),c:Acidobacteria_Gp6(0.0000),g:Gp6(0.0000);
GGCTTTTTGACCGCCTCCAAACACTTTAGACCTGGCGCCACCAGCAAGCGCCGAAGCACTACCGCCAGCAATAGCACC
AAACATCCATCACCTCACTTAAGTGGCTGGAGACAAATAATCTCTTTAATAACCTGATTCAGCGAAACCAATCCGCGG
CATTTAGTAGCGGTAAAGTTAGACCAAACCATGAAACCAACATAAACATTATTGCCCGGCGTACGGGGAAGGACGTC
AATAGTCACACAGTCCTTGACGGTATAATAACCACCAGCATGGCGACCATCCAAAGGATAAACATAAGAGGCAGGCG
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>OTU15644;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Peptostreptococcaceae(0.0904),g:Clostridium_XI(0.0181);
ACGGGAGGCAGCAGTGGAGAATCTTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGACGGCCCTTGGGTTGTAAACTTCTGTTCTAAGGGAAGATAGTGACGGTACCTTAGGAGCAAGTCCCGGCTAATTACGTGCCAGCAGCCGCGGTAATACGGAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTCTCTTAAGTCAGGAGTGAAAGGCTACGGCTTAACCGTAGTAAGCTCTTGAAACTGGGAGACTTGAGTGCAGGAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGATGAACACCAATGGCGAAGGCGGCTTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15645;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Clostridiales_Incertae_Sedis_XII(0.0560),g:Acidaminobacter(0.0134);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCCGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCCTTGGTGACGAAGGAAGTGACGGTAGACAAGGAGGAAGCCCCGGCTAACAACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGTGAGTAGGCGGTTTTTTAAGTTGGATGTGAAATACCCGTGCTCAACTTCGGTACTTCAGTCAAAACTGGTGAACTTGAGTACAGGCGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCTTAGATATTAGGAGGAACACCGGTTGCGAAGGCGGCTTTCTGGACTGAAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15649;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Bacilli(0.8189),o:Lactobacillales(0.5023),f:Lactobacillaceae(0.2184),g:Lactobacillus(0.0519);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGACGGAGCAACACCGCGTGAGTGAAGAAGGGCTTCGGCTTGTAAAGTTTTGTCGCTGGAGAAGAACGTGCGTGCGAGTAACTGTTCACGCAGCGACGGTATCCACCCAGAAAGTCACGCGTAACTACGTGCCAGTAACCGCGTTAACAGGTAGGCGGCATGTGTGGTCCGGATTTATTGGGCGTAAAGGGAGTGCTGGCGGTTCAATAAGTCTGATGTGAAAGCCTTCGGCTCAACCGGAGAATTGCATCAGAAACTGTTGAACTTGAGGGCAGGAGAGGAGAGTGGAACTCCAGGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAATGGCGAAGGCGGCTTTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU15647;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.5766),f:"Prevotellaceae"(0.1098),g:Paraprevotella(0.0204);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCCGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTACGGGTTGTAAACTTCTTTTATGGGAGAATAAAGTGAGGTACGCGTACCTTATTGTAGGTATCCCATGAATAAGCATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGAAGCTTAAGTCTGCGGTAAAATGTCGTCGCTTAACGTCGGCCTGCCGTGGAAACTGGGTTTCTTGAATGTGCACAAGGTGGATGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGTCCACTGGGGCATGATTGACGCTGAGGCTCGAAAGTGCGGGAATCAAACAGGATTAGATACCCTGGTA

>OTU15648;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9719),o:Clostridiales(0.8737),f:Eubacteriaceae(0.3204),g:Eubacterium(0.0904);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGAAAACGACGGTAAGTGAGGAGGAAGCCCCGGCCAATTACGTGCCAGCAGCTGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTGGGTGGTTTCTTAGGTCAGAGGTGAAGGGCTACGGCTCAACCGTAGTAGGCCTTTGAAACTGGGGGACTTGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCGACTCTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15652;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Erysipelotrichia(0.9462),o:Erysipelotrichales(0.8520),f:Erysipelotrichaceae(0.7068),g:Turicibacter(0.5720);

ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCTGACCGGGCAACGCCGCGTGAATGATGAAGGCCTTCGTGTTGTAAAATTCTTTTATAAGGGAAGAACGACTTTAGTAGGAAATGGCTAGAGTGTGACGGTACCTTATGAGAAAGCCACGGCTAACTACGTGCCAGCAGCCTCTGTAATACGTATGTGGCGAGCGTTATCCGGAATTATTGGGCGTAAAGAGCGCGCAGGTGGTTGATTAAGTCTGAGGTGAAAGCCGACGGCTTAACCGTGGAGGGTCAGTGGAAACTGGTCGACGTGAGGGCAGAAGAGGGAAGTGGAATTACAGGTGGAGAGGTGAAATGCGTAGAGATATGGAGGAACACCAGTGGAGAAGGAGGCTTCCTGGTCTGTAACTGACACTGAGGAGAGAAAGCGTGGGGAGCAAACAGGATTAGATACCATGGTA

>OTU15650;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Peptococcaceae_2(0.0457),g:Desulfotomaculum(0.0110);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGCTCGTAAACCTCTGTCCTATGTGACGAATAAAGTGCCGTTACCATAGGAGGCAGCCCCGCCTACCTCCTTGCCAGCAGCCGCGTTAATACGTAGGGGGCGAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCCTGATAAGTCTGGAGTGAAAGTCCTGCTTTCAAGGTGGGAATTGCTTTGGATACTGTCGGGCTTGAGTGCAGGAGAGGAAAGCGGAATTACCAGTGTAGCGGTGAAATGCGTAGAGATCGGTAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGAAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15651;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Ruminococcaceae(0.7787),g:Gemmiger(0.0904);

ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGGGGATGAAGGTCTTCGGATTGTAAACTCCTGTCGTTAGGGACGATAATGACGGTACCTAACAAGAAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAAAACGTAGGGTGCAAGCGTTGTCCGGAATTACTGGGCGTAAAGGGAGCGCAGGCGGATCGGCAAGTGAGAAGTGAAATCCATGGGCTCAACCCGTATGTTGCATTTAAAACTGCAAGCCTTGAGTAGAGGAGAGGTGGGGGGAATTCCCGGTGTAGCGGTGGAATGCGTAGATATCAGGAGGAACACCAGTGGCGAAGGCGACCTTCTGGGCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU15654;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9988),c:Deltaproteobacteria(0.9776),o:Desulfovibrionales(0.9685),f:Desulfovibrionaceae(0.9015),g:Desulfovibrio(0.7643);
ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGTCTTCGGATCGTAAACCTCTGTCAGAAGGGAAGAAACTAGGGTGCTCTAATCATCATCCTACTGACGGTACCTTCAAAGGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGGGCAAGCGTTAATCGGAATGACTGGGCGTAAAGCGCACGTAGGCTGTTATGTAAGTCAGACGTGAAATACCCCGGCTCAACCGTGGAACTGCCTTTGATACTGGACGGCTTGAATCCGGGAGAGGGTGGCGGAATTCCAGGTGTAGGAGTGAAATGCGTAGATATCTGGAGGAACATCGATGGCGAAGGCAGCCACCTGGACCGGTATTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15653;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8614),o:Clostridiales(0.6509),f:Peptostreptococcaceae(0.1872),g:Clostridium_XI(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCCGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTTGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGGGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGATGGCAAGTCAGCTGTGAAATCCATGGGCTCAACTCATGAACTGCATTTGAAACTGTCGTTCTTGAGTATCGACGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACATCAATGGCGAAGGCGACTTACTGGACGATAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15656;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Clostridiaceae_1(0.1485),g:Clostridium_sensu_stricto(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGATTGAAGAAGTCTTTCGGGATGTAAAGCTCTATCAGCAAGGAAGAAAATGACGGTACTTACATAAGAAGTCCTGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGAATTATTGGGCGTAAAGGGCGCGTAGGCGGATTAGTAAGTTAAAAGTGAAATCCCCGGGCTCAACTTTGGAATTGCTTTTAAAACTGGAAGTCTAGAGTGTAGGAGAGGATAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAACTGACGCTGAGGCGCGAAGGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15655;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Ruminococcaceae(0.1872),g:Clostridium_III(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGATTTCAAGTCAGATGTGAAATACCGGGGCTTAACCCCGGGGTTGCATTTGAAACTGAATTTCTTGAGTGCTGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGTGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGACATCTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15659;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Clostridiaceae_1(0.4563),g:Clostridium_sensu_stricto(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTTTCTTCAGGGACGATAATGGCGGTACCTGAGGAGGAAGCCACGGCTAACTACTACCCAGCAGCCGCGGCGATACGTAGGTGGCGAGCGTCGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAAGTGAGATGTGAAATACCCGGGCTCAACCTGGGAACTGCAATTCAAACTGGAAGTCTAGAGTGAAGGAGAGGGGAATGGAATTCCTAGTGGAGCGGTGAAATGCGTTGGGAATAGGAAGAAACCCCGTGGCGAAGGGGGTTCTCTGGAATGTCAACGAAGCTGAGGCTGGAAAGCGTGGGGAGCAAACAGGATTAAGTACCCTGGTA
>OTU15658;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Clostridiales_Incertae_Sedis_XII(0.0457),g:Acidaminobacter(0.0110);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCCTTGGTGACGAAGGAAGTGACGGTAGCAAAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGATGTCCGGAGTTACTGGGCGTAAAGGGTGAGTAGGCGGTTTTTTAAGTTGGATGTGAAATACCCGTGCTTAACTTTGTGGTTGTATTCAAAACTGGAGAACTAGAGTACAGGAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCGATTGCGAAGGCGTCTTTCTGGACTGATACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15657;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Ruminococcaceae(0.1098),g:Clostridium_IV(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAAATTCTTTTAAGAGGGAAGAGGAGAAGACGATACCCCGAGAATAAGCCACGGCTAACGACGAGCCAGCGGCCGCGGTAATACGTAGGGGGCAGGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGTCTGCAAGTCAGATGTGAAAGCCATGGGCTTAACCCATGAATTGCATTTGAAACTGTGGGTCTTGAGTGCTGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCAGCTTGCTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA
>OTU15660;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Lachnospiraceae(0.1872),g:Clostridium_XlVa(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAAGCCTGATGCAGCGATGCCGCGTGCGTGAAGAAGTATTTCGGGATGTAAAGCTCCATCAGCCGGGAAGCAGTAGAGGGTACCTGACTCAGCAGCCCCGGTTAACTACGTGTCAGCAGCCGCGGTCATACGTAGGGGGCACGCGGTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGTCGGTTGATCAAGTCAGATGTGAAAGCCCGGGGCTCAACCCCGGGGCTGCATTGGAAACTGAGTAGCTGGAGTGCAGGAGAGGGAAGTGGAATTCCTAGTGTATCGGTGAAATGCATAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU15661;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Peptococcaceae_1(0.0149),g:Desulfitobacterium(0.0066);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCTAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGGTTTCGGCTCGTAAACCTCTGTCCTATGGGGCGAAGGAAGTGACGGTACCATAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGTGAGCGTTGTCCGGAATGATTGGGCGTAAAGGGCGCGTAGGCGGCTTGATAAGTATGGAGTGAAAGTCCTGCTTTCAAGGTGGGAATTGCTTTGGATACTGTTGGGCTGTAGTGCAGTAGAGGAAAGCGGAATTACCAGTGTAGCGGTGAAATGCGTAGAGATCGGTAGGAACATCAGTAGCGAGGGCGGCTTTCTGGACTGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTGGATACCCTGGTA
>OTU15662;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9791),o:Pasteurellales(0.9389),f:Pasteurellaceae(0.9201),g:Actinobacillus(0.3915);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCCATGCCGCGTGAATGAAGAAGGCCTTCGGGTCGTAAAGTTCTTTCGGTGATGAGGAAGGTGTTTGTTTTCATAGAACAAGCAATTGACGTTAGTCACAGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCTCGGTCATGCGGTGGGTGCGAGCGTCAATCGGATTAACTGGGCGTAAAGGGCACGCAGGCGGTGACTTAAGTGAGATGTGAAAGCCCCGGGCTTAACTTGGGAATTGCATTTCATACTGGGTCGCTAGAGTACGTTAGGGAGGGGTAGAATGCCACGTGTAGCGGTGAAATGCGTAGAGATGTGGAGGAATACCGAAGGCGAAGGCAGCCCGTTGAGAAGGTACTGACGCTCATGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15663;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Clostridiaceae_1(0.1098),g:Clostridium_sensu_stricto(0.0204);
AAGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCTGATTGTAAACCTCTGTCGCATAAGACGAAGGATGTGACGGTATTCTGTGATGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATCCGTAGGGGGCGGTCGTTATTCGGATTTACTGGGGGTAAAGGGAGCGTAGGCGGATGATTAAGTGGGATGTGAAATACCCGGGGTCAAATGGGGTGGTGCAATCCAAACTGGTTGTCTAGAGTGCAGGAGAGGTGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATGAGGAAGAACACCAGTGGCGAAGGCGGCTCTCTAGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15665;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:"Bacteroidia"(0.3483),o:"Bacteroidales"(0.1483),f:"Porphyromonadaceae"(0.0252),g:Tannerella(0.0076);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCACGCCGCGTGAAGGAATAAGGCCCTATGGGTCGTAAACTTCTTTTGTCGGGGAGCAATAAGGACTACGTGTAATCCGATGAGACTACTTGACGACTAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGAATTATTGGGTTTAAAGGGTGCGTAGGCGGTTAGATAAGTATGAGGGTAAATGCTTCTGCTCAACAGGGGTTTGCATTGGAAACTGTCTGGCTAGAGTGTAGACGACGCAGGCGGAATGAATCATGTAGCGGTGACATGCATAGATATAACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGTAACTGACGCTGAGGCTCGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU15666;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6036),c:"Bacteroidia"(0.0626),o:"Bacteroidales"(0.0413),f:"Rikenellaceae"(0.0099),g:Alistipes(0.0046);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGATCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTTCGATGAGAGTACCAGGGGAATAAGAATCGGCTAAATCGGTGCCAGCAGAGGCGGTAATACGGGGGATGCGAGGGTTATCCGGATTAATTGGGTTTAAAGGGTGCGTAGGCTGTGTGTCAAGTCAGAGGTGAAATTCCGGGGCTCAACTCCTGGGCTGCCCTTGATACTGTCGCGCTAGAGTACGGATGCCGCCGGAGGAATTAGTGGTGTAGCGGTGAAATGCTTAGATATCACGCAGAACACCGATTGCGAAGGCATCTGGCGAATCCGTAACTGACGCTGATGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU15664;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Bacilli(0.6730),o:Lactobacillales(0.3319),f:Lactobacillaceae(0.1679),g:Lactobacillus(0.0423);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGGTGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGACTGGGCGTAAAGGGCGTGTAGGCGGCAGTATAAGTCCGGAGTGAAAGTCCTGCGTTCAAGGTGGGAATTGTTTTGGAGACTGTACAGCTTGAGTGCGGAAGAGGTAAGGGGAATTCCCAGTGTAGCGGTGAAATGCGTAGAGATTGGGAGGAACACCAGTGGCGAAGGCGGCTCTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15667;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:"Bacteroidia"(0.2321),o:"Bacteroidales"(0.1015),f:"Porphyromonadaceae"(0.0355),g:Barnesiella(0.0066);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGCAGGCCTGAACCAGCCAAGTCGCGTGCGGGAGGACGGTCCTACGGATTGTAAACCTCTTTTGTCGGGGAGTAACATGCGGGACGCGTTGCGCATTGAGAGTACCCGAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGCGTGGCAAGTCAGCGGTGAAAGGTCCGGGCTCAACGCGGGGTGGGCGTTGCAACTGCGGTGGTCGGATGGGTGCGGGGAAGGCGGAATGGGTTGTGGAGGGGTGAAAAGGATAAGTAAGACGCAGAACTCCAGTTGGGAAGGGAGCCTTACAGCGCGCTAATGGCGCTGGGGCAAGAAAGGGGGGGGATCGAACAGGGTTAGGTACCCTGGTA

>OTU15668;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Clostridiaceae_1(0.2184),g:Clostridium_sensu_stricto(0.0615);

ACGGGAGGCAGCAGTGGGGGATGTTGCACAATGGGCGCAAGCCTGATGCAGCGACGCCGCGTGTGGGAATACGGCCCTCGGGTTGTAAACCACTGGCTTTGGGGACGATAATGACGGTACCCAAGGAGGAAGCTACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAAGTGGGATGTGAAATACCCGGGCTCAAATTGGGTGCTGCATTGAAAACTGGTTATCTAGAGTGCAGGGAAGGGGGGGGGAATTCCTAGTGTAGGGGGGAAATGGGGAGAAATTAGGAAGAACACCAGTGGCGAAGGAGACGCTCTGGACTGTAACTGACGCTGAGGGTCGAAAGAGTGGGGAGCAAACAGGATTAGATACCCTGTA

>OTU15669;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Clostridiaceae_1(0.4563),g:Clostridium_sensu_stricto(0.1735);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGGATTTCGGTATGTAAAGCTCTATCATCAGGGAAGAAGAAGACGGTACCTTAAAAAGAAGACCCGCCTCACTACGTGCCAGCAGCGGTGGTAATACGTATGTGGCACGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAAGTGGGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCATTCGAAACTGGTTATCTAGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATAAGGAAGAACACCAGTGGCGAAGGCGACTCGCTGGGCTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15670;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Lachnospiraceae(0.5273),g:Clostridium_XlVa(0.3479);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACTCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTCGGTATGTAAAGCCCTTTCAGCCTGGAAGAAGAAGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGTCAAGCGTTATCCGGATTTACCGGGTGTAAAGGGAGCGTAGACGGTTGATCAAGTCTGATGTGGAAGCCCGGGGCTCAACCCCGGGACTGCATTGGACACTGATTAGCTAGAGTGCAGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGAAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTAACTGACGTTGAGGCTCAAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15671;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9835),c:Alphaproteobacteria(0.9604),o:Rhodobacterales(0.6138),f:Rhodobacteraceae(0.4224),g:Nautella(0.0808);
GTGTCAGCCGCCGCGGTAATACGGAGGGGGTTAGCGTTGTTCGGAATTACTGGGCGTAAAGCGCGCGTAGGCGGATTAGTCAGTTAGAGGTGAAATCCCAGGGCTCAACCCTGGAACTGCCTTTAATACTGCTAGTCTTGAGTTCGAGAGAGGTGGGTGGAATTCCGAGTGTAGAGGTGAAATTCGTAGATATTCGGAGGAACACCAGTGGCGAAGGCGGCTCACTGGCTCGATACTGACGCTGAGGTGCGAAAGCGTGGTGAGCAAACAGGATTAGATACCCTGGTAGTCCACGCCGTAAACGATGGATATTAGGTGTCGGGTTTTAAATTCGGTGCCGCAGTTAACGCGTTAAATATCCCGCCTGGGGAGTACGGTCGCAAGGCTGAAACTCAAATGAATTGACGGGG
>OTU15673;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Bacilli(0.3483),o:Lactobacillales(0.1483),f:Lactobacillaceae(0.0560),g:Lactobacillus(0.0066);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCCTATGGGCTGTGAACCGCTTTTGTCTGGGGGCAATAAGGGCGTCGCGCACGTTCGATGAGAGTAGCAGGGTAATAAGCATCGGCTAACTCCCTGCCAGCAGCCGCGGTCATACGTGGGATGCGGGCGGTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAAGTGGGATGTGAAAGACCCGGGCTTAACTTGGGGGGTGCATTGAATACTGGAGGACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGGAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU15672;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Bacilli(0.8048),o:Lactobacillales(0.5395),f:Lactobacillaceae(0.2864),g:Lactobacillus(0.0808);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTAGAGAAGAACGTGCGTGAGAGCAACTGTTCACGCAGTGACGGTATCTAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGGATACAAGTCAGGTGTGAAATCTATGGGCTTAACCCATAAACTGCACTTGAAACTGTATCTCTTGAGTGTCGGAGAGGTAGACGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGATCTACTGGACCACAACTGACGCTGAGACACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15676;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9769),o:Clostridiales(0.9606),f:Clostridiaceae_1(0.6350),g:Clostridium_sensu_stricto(0.4787);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGTTTTCGGATCGTTAAGCTCTTTCTTTGGGGAAGTTAATGACGGTACCCAAGGAGGAAGCCACGGCTAACTACGTTCCAGCAGCCGCAGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGGGGATGATTAAGTGGGATGTGAAATACCCGGGCTCAACTTGGGTGGTGCAGTCAAAACTGGTTATATTGAGTGCAGGAGAGGAGAGTGGAATTCGTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGAATGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15677;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Ruminococcaceae(0.0355),g:Clostridium_III(0.0066);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACCAGGGGAATAAGCATCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGATGCAAGTCGGGAGTGAAATCCCGGGGCTCAACCCCGGAACTGCTTTTGAAACTGTATCCCTTGAGTGTCGGAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGATAACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15675;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Clostridiaceae_1(0.1485),g:Clostridium_sensu_stricto(0.0326);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCCACGCCGCGTGAGGGAAGACGGTCTTCGGGTTGTAAACCTCTTTTCTAAGGGACGAAGAATGACGGTAGCTTAGGAGGAAGCCCCTGCTAACTACATGCCAGCAGCCGCGGTAATACGCAGGTGGCGAGCGTTATCCGGATGTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAAGTGGGATGTGAAATACCGGGGCTCAACTTGGGTAGTGCATTGCGAACTGGTAATCTTGAGTGCAGGAGAGGGGAGTGGAATTCCTCGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCGGTGGCGAAGGCGGCTCGCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15674;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Clostridiaceae_1(0.1872),g:Clostridium_sensu_stricto(0.0519);
ACGGGAGGCAGCAGTGGGGAATTTTGGACAATGGGCGCAAGCCTGATCCAGCCATGCCGCGTGTCTGAAGAAGGCCTTCGGGTTGTAAAGGACTTTTGTCAGGGAAGAAAAGGCAGTTGCTAATATCAGCTGCTGATGACGGTACCTGAAGAATAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCGAGCGTTAATCGGAATTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAAGTGGGATGGGAAATACCCGGGCTCAACTTGGGTGCTGCATGCCAAACTGGTTATCTAGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15678;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Eubacteriaceae(0.1872),g:Eubacterium(0.0519);
ACGGGAGGCAGCAGTGGTTCCTCTTTCCCAATTTGCTAAAGCCTGATGCAGCAACGCCGCGTGAGCGAAGAAGGTCTTCGGATTGTAAAGCTCTGTCCTTGGGGAAGATAATGACGGTACCCTTGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAACACGTAGGGGGCGAGCGTTATCCGGAATTACTGGGCGTAAAGAGTGCGTAGGTGGCTTTGCAAGCGTAGGGTATAAGGCGACAGCCCAACTGTCGTTGGCCCCGCGAACTGTAAGGCTTGAGTACAGGAGGGGAAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACCCCAGTGGCGAAGGCGGCCTTCTGGACTGTAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15680;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Ruminococcaceae(0.3884),g:Sporobacter(0.0615);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGAAAGTGACGGTACCTGGAGAAAAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGTTACAAGTCAGATGTGAAATCTGGGGGCTCAACCCCCAAACTGCATTTGAAACTGTAGCCCTTGAGTATCGGAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15679;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Ruminococcaceae(0.0252),g:Clostridium_IV(0.0076);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACACAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATGGTAAACCTCTGTCGCAGAAGACGAAGGAAGTGACGGTATTCTGTGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAACTACTGGGCGCAAAGGGTGCGTAGGCGGTTGATTAAGTTGGATGTGAAATACCCGGGCTTAACTTGGGGGGTGCATTCAAAACTGGTTGACTAGAGTACAGGAGAGGGAAGCGGAATGCCTAGTGTGACGGTGAAATGCGTGGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTTCTGGACTGACACTGACGCTAAGGCGCGAAAGCGTGGGAAGCAAACAGGATTAGATACCCTGGTA

>OTU15681;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:"Bacteroidia"(0.4812),o:"Bacteroidales"(0.2359),f:"Rikenellaceae"(0.1098),g:Alistipes(0.0204);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAAGGATGAAGTATTTCGGTATGTAAACTTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAGGATTCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTTTGATAAGTTAGAGGTGAAATACCGGTGCTTAACACCGGAACTGCCTCTAATACTGTTGAGCTAGAGAGTAGTTGCGGTAGGCGGAATGTATGGTGTAGCGGTGAAATGCTTAGATATCACTCAGAACACCGATTGCGAAGGCATCTGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA

>OTU15683;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Bacilli(0.8755),o:Lactobacillales(0.6509),f:Lactobacillaceae(0.3204),g:Lactobacillus(0.0808);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTTGTAAAGCTCTGTAGTTGGAGAAGAACGTGCGTGAGAGAAACTGCTCCCGCAGTGACGGTACCCAACCAGAAAGTACCGGCTAACTATGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGTAGGCGGTTGGTTAAGTCTGATGTGAAATCCTTCGGCTCAACCGAGGAAGTGCATCGGAAACCGGTCGACTTGAGTACAGGAGAGGGCAGTGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAGGAACACCAGTGGCGAAGGCGGCTGTCTGGACTGCAACTGACGCTGAGGCTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU15682;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Clostridiaceae_1(0.4563),g:Clostridium_sensu_stricto(0.1735);

AGGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGATGCCGCGTGAGTGATGAAGGACTTCGGGTTGTAAAGCTCTGTCTTCGGGGAAGAAAATGACGGTACCCGAGGAAGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTGTTAAGTGAGATGTGAAATACCCGGGCTTAACTTGGGTGCTGCATTTCAAACTGGCAGTCTAGAGTGCAGGAGAGGAGAATGCAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGCTTCTCTGGACTATAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15684;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9776),o:Clostridiales(0.9685),f:Clostridiaceae_1(0.6709),g:Clostridium_sensu_stricto(0.5239);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGTTTTTCGGATCGTAAAGCTCTGTCTGTGGGGAAGATAATGACGGTACCCAACTAAGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTTGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGAGTAAGTGGGATGTGAAATATCGGGGCTCAACCGGGGTGCTGCATTTGAAACTGGTTATCTAGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATCACGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15685;tax=d:Bacteria(1.0000),p:"Fibrobacteres"(0.7727),c:"Fibrobacteria"(0.4812),o:"Fibrobacterales"(0.2359),f:"Fibrobacteraceae"(0.1098),g:Fibrobacter(0.0204);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGAGGACGGTCCTACGGATTGTAAACCTCTTTTGTCGGGGAGTAACGTGCGGGACGCGTCCCGTATTGAGAGTACCCGAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGAGGGGTGCAAGCGTTGTTCGGAATCACTGGGCGTAAAGGGAGCGTAGGCGGGCCGCCAAGCGTTCTGTGCAATCCCGGGGCCCAACCCCGGACCCGCAGAGCGAACTGGCGTCCTTGAGTGGTTCAGAGGCCGGCGGAATTCCTGGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGTGGCGAGGGCGGCTTTCTGGACTGACACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU15688;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Clostridiaceae_1(0.3204),g:Clostridium_sensu_stricto(0.0808);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTTTCTTCAGGGATGATAATGACGGTACCCGAGGAGTAAGCTACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAGGTGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGCACGTAGGCGGCTGATTAAGTGGGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCATTCCAAACTGGTAAGCTAGAATGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATTCGTAGAGATTAGGAAGAACACCAGCGGCGAAGGCGACTCGCTGGACTATAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15687;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Clostridiales_Incertae_Sedis_XI(0.0355),g:Sporanaerobacter(0.0087);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGGGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCCTAAGGGACGAAGGAAGTGACGGTACCTTAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGACTGGGCGTAAAGTGCGTGTAGGCGGCAGTATAAGTCCGGAGTGAAAGTCCTGCTTTGTAGGTGTGAATTGCTTTGGAGACTGTACATCTGGAGTGCGTAAGACGTAAGTGTAATTCCCGGTGTAGCGGTGGAATGCTTAGATATTAGGGGGAACATCAGTGGCGAAGGCGACTTACTTGACGATAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15686;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9755),o:Pasteurellales(0.8955),f:Pasteurellaceae(0.8505),g:Actinobacillus(0.2607);

ACGGGAGGCAGCAGTGGGGAATATTGCATAATGGGGGGAACCCTGATGCAGCCATGCCGCGTGAATGAAGAAGGCCTTCGGGTTGTAATGTTCTTTCGGTGATGAGGAAGGTGTTTGTTTTAATAGGACAAGCAATTGACGTTAGTCACAGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCGAGCGTTAGTCGGAATAACTGGGCGTAAAGGGCACGCAGGCGGTGACTTAAGTGAGATGTGAAAGCCCCGAGCTTAACTTGGGAATTGCATTGCATACTGGGTCGCTAGAGTACTGTAGGGAGGGGTAGAATTCCACGTTTAGCGGTGAAATGCGTAGAGATTTGGGGGAACACCGAAGGCTAAGGCAGCCCCTTGGGAGTGTACTGACGGTCATGTGCGAGAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15692;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9903),o:Lactobacillales(0.9730),f:Lactobacillaceae(0.9387),g:Lactobacillus(0.7162);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTTTTGTTTGAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGGATCAAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGGCATCCGGATGTATTGGGCGTAACGCGAGCGCAGGCGGTTGCTTAGGTCTGATGTGAAAGCCGTCGGCTTAACCGAAGAAGTGCATCGGAAACCGGGCGACTTGCGTGCAGATGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATGTATGGAAGAACACCAGTGTCGAATGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU15689;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.8988),c:Actinobacteria(0.7497),o:Actinomycetales(0.2679),f:Micromonosporaceae(0.1291),g:Luedemannella(0.0204);

TACGGGAGGCAGCAGCGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGGGGGATGAAGGCTCTCGGGTTGTAAACCCCTTTCAGCAGGGACGAAAATGACGGTACCTGCAGAAGAAGCCCCGGCCAACTACGTGCCAGCAGCCGCGGTAACACGTAGGGGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGAGCTCGTAGGCGGTTCGGTAAGTCGGGTGTGAAAACTCTGGGCTCAACTCAGAGACGCCACCTGATACGGCCGTGACTGGAGTCTGGTAGGGGAGTGTGGAATTCCCGGTGTAGCGGTGAAATGCGCAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCACTCTGGGCCAGTACTGACGCTGAGGAGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTAGTCC

>OTU15690;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Clostridiaceae_1(0.1098),g:Sarcina(0.0181);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGACGGTCTTCGGATTGTAAACCTCTATCAGCAGGGAAGAAGCAAGTGACGGTACCTGCAGAAGAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGTAGACGGCGTATCAAGCCTGATGTGAAAGGCAGGGGCTCAACTCCTGGACTGCATTGGAAACTGGTATGCTTGAGTGCAGGAGAGGAGAATGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAAGATTAGATACCCTGGTA

>OTU15691;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.1905),c:Sphingobacteriia(0.0726),o:"Sphingobacteriales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Nubsella(0.0056);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGCGCAAGCCTGATGCAGCGACGCCGCGTGTGGGAAGACGGCCCTCGGGTTGTAAACCACTAGCTTTGGGGACGATAATGACGGTACCCAAGGAAGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCTGTGCGTCAAGTCAGGGGTGAAATTCCGGGGCTCAACTGCGGGGGTGCCCTTGATACTGTCGGGCTGGAGTGGGGGTGCCGGCGGGGGAATGAGGGGTGTAGGGGGGGAATGCTTAGATTACCCTCAGAACACCGATTGCGAAGGCATCTGGGGAATCCGTAACTGACGGTGGGGCACGAAAGCGTGGGGGTAGAACAGGATTAGATACCCTGGTA

>OTU15693;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Eubacteriaceae(0.3884),g:Eubacterium(0.1735);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAATCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGGATTTCGGTATGTAAACTTCTATCAGTAGGGAAGAAAATGGCGGTACTTGCATAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGTAAGTCTGATGTGAAAACCCGGGGCTCAACCTCGGGACTGCTTTTGAAACTATTCGGCTAGAGAGTCGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATAACTGACGTTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15696;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Ruminococcaceae(0.3884),g:Ruminococcus(0.0904);
ACGGGAGGCAGCAGTGGGAGGTATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGTCGTAGGATTGTAAATTTCTGTTATTAAGGACGAAGAAGTGACGGTACCTAATGAATAAGCTCCGGCTAACTACGTGCCCGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCAGAGCAAGTCAGATGTGAAATCCGTGGGCTTAACCCACGAACTGCATTTGAAACTGTTTTGCTTGAGTGAAGTAGAGGCAGGCGGAATTCCCTGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCCGTGGCGAAGGCGGCTTTCCGCGCTTTACCTGCCGCTGAGGCACGCAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU15694;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:Sphingobacteriia(0.0726),o:"Sphingobacteriales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Parapedobacter(0.0046);
CCTTTCTTCCTCCTTTCTTCCTCTTTTTCCCTTTTCTTCCGCCTGCACCCTCCATGCCGCGTGAAGGCGACGGCCCTATGGGTCTTAAACTTCTTTTGTCTGGGAGCAATAAGGTGTTCGTGAACACCGATGAGAGTCCCAGCCGAATAAGCCTCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGCCTGTTAAGTCAGCGGTGAAATGTCCTCGCTCAACGAGGAAAGTGCCGGGGATACTGGTGGGCTTGAATGCGGATGCCGTTGGAGGAATGTGTGGTGTAGCAGTGAAATGCATAGATATCACACAGAACACCGATTGCGAATGCATCTGACGAATCCGCGATTGACGCTGATGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA
>OTU15695;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9988),c:Gammaproteobacteria(0.9755),o:"Enterobacteriales"(0.8629),f:Enterobacteriaceae(0.7428),g:Escherichia/Shigella(0.3479);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTGCTCATTGACGTTACCCGCCGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTGATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGCACGCAGGCGGTTTGTTAAGTCAGAGGTGAAATCCCCGGGCTCAACCCGGGAACTGCCTCTGAAACTGGGAAGCTAGAGTCTTGGAGAGGCGGGTAGAATTCCGGGTGTAGCGGTGAAATGCGTAGAGATTTGGAGGAACACCGGTGGCGAAGGCGACCCCCTGGACGAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15697;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9994),c:Epsilonproteobacteria(0.9897),o:Campylobacterales(0.9937),f:Helicobacteraceae(0.9294),g:Helicobacter(0.7643);
ACGGAAGGCAGCAGTAGGGAATCTTGCTCGATGGGGGAAACCCTGAAGCAGCAACGCCGCGTGGATGATGAAGGTTTTCGGATTGTAAACTCCTGTTGTTAGAGAAGATAATGACGGTATCTAACGAATAAGCACCTGCTAACACCGTGCCAGCAGCCGCGGTAATACTACGGGTGCAAGCGTTACTCGGAATCACTGGGCGTAAAGAGCGCGTAGGCGGGGTAGCAAGTCAGATGTGAAATCCTATGGCTTAACTATAGAACTGCATTTGAAACTGTTACTCTAGAGTATGGGAGAGGTAGGTGGAATTCTTGGTGTAGGGGTAAAATCCGTAGAGATAAAGAGGAATACTCATGGCGAAGGCGACCCGCTGGAACATTACTGACGCTGATGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15700;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Lachnospiraceae(0.1679),g:Coprococcus(0.0423);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGTGAAACCCTGATGCATCTACGCCGCGTTAGTGAATAATTATTTCTTTATGTAACTCTCTATCATCAGGGAATACAATTACGGTCCTTTACTAATAAGCCCCTTCTAACTACGTGCCATCATCCGCGGTAATACTTAGGGGTCAATCTTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGTAAGTCTGAAGTTAAAGCCCGGGGCGAAAAACAGGGACTGATTTGGAAACTATGCAGCTAGAGTGTCGGAGAGGTAAGTGGAATTACCAGTGTAGCGGTGAAATGCGTAGATATTGGGAGGAAAACCAGTGGCGAAGGCGGCTTACTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15699;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachnospiraceae(0.2864),g:Marvinbryantia(0.0712);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAGCCCTGATGCAGCGACGCCGCGTGAGGGAAGAAGTATTTCGGTATGTAAAGCTCTATCAGCAGGGAAGATAATGACGGTACCTGACTAATAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCAATGCAAGTCAGATGTGAAAGCCAAGGGCTCAACCCATGGACTGCATTGGAAACTGTATGGCTAGAGTGCTGTAGAGGTAAGCGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATTGGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGACAGTAACTGACGTTGAGGCTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU15698;tax=d:Bacteria(1.0000),p:Firmicutes(0.9900),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Clostridiaceae_1(0.5273),g:Clostridium_sensu_stricto(0.3043);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTTAGGGACGATAATGACGGTACCCGAGGAGGAAGTCATGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGGGAGCGTAGGCGGATTTTTAAGTTAGACGTGAAATACCCGGGCTTAACCTGGGTACTGCATTTCAAACTGGAAGTCTAGAGAGTGAGAGAGGAGAGAGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGTTTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15704;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9791),o:"Bacteroidales"(0.9730),f:Bacteroidaceae(0.8864),g:Bacteroides(0.8124);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAGGTCTGGTATGCATACCCGTTTGCATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGATGTTTAAGTCAGATGTGAAAGGTTGCGGCTCAACCGTAAAAGTGCGGCTGGTACTGGATGTCTTGAGTGCGGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACCCCGATTGCGAAGGCAGCCTGCGAGGCCGCAACTGACATTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU15701;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Lachnospiraceae(0.3884),g:Blautia(0.0904);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAGGTATCTCGGTATGTAAACTTCTATCAGCAGGGAAGATAATGACGGTACTTGCCTAAGAAGCCCTGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATTCGGATTTATTGGGTGTAAAGGGAGCGTAGGCGGAGTAGCAAGTCAGATGTGAAAGGCATGGGCTCAACCTGTGGACTGCATTGGAAACTGTTAGTCTTGAGTGTGGGAGAGGTAAGAGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGACGATAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15703;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Ruminococcaceae(0.1291),g:Ruminococcus(0.0230);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCAACGCCGCGTGAGTGATGAAGGTCTTCGGATTGTAAACCTCTGTCTTTAGGGACGATAATGACGGTACCTATTCAGAAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTAGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGTGTAGGCGGGAATTCAAGTCAGATGTGAAATCTACGGGCTTAACCTGTGTGTTGCATTTGAAACTGTAGATCTTGAGTGAAGTAGAGGAAAGCAGAATTCCTAGTGTAGCGGTGAAATGCGCAGATATTAGGAAGAATATCAGTGGCGAAGGCGCCTTACTGGACTTTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15705;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Lachnospiraceae(0.6350),g:Blautia(0.3479);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAAGCCTGATGCAGCGACGCCGCGTGAACGAAGAAGTATCTCGGTATGTAAACTTCTATCAGCAGGGAAGATGATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGAGGCAAGTCTGATGTGAAAGGCCGGGGCTCAACCCCGGGACTGCATTGGAAGCTGTTAGGCTTGAGTGCCGGAGGGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15702;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.4311),c:Gammaproteobacteria(0.2321),o:Pasteurellales(0.1015),f:Pasteurellaceae(0.0355),g:Actinobacillus(0.0087);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGATGCAGCCATGCCGCGTGAATGAAGAAGGCCTTCTGGTTGTAAAGTTCTTTCGGTGATGAGGAAGGTGTTTGTTTTAATAGAACAAGCAATTGACGTTAGTCACAGAAGAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGTGTGTAGGCGGGTTCGCAAGTTCGATGTGTAATTCCCAGAGCTTAACTCGGGTGCTGCATCTGAAACCACGAGTCTTAAGTGTCGGAGAGGTAAGTGGAATTCCTAAGGTTGCGGTTGAATGCGTGGATATTAGGAGGAACATCAGTGACGAAGGCGACTTACTGGACGATAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCGTGGTA
>OTU15706;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8448),c:"Bacteroidia"(0.4428),o:"Bacteroidales"(0.2039),f:"Prevotellaceae"(0.0457),g:Prevotella(0.0087);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGAGAGTCTGAACCAGCCAAGTCGCGTGCAGGACGACGGCCCTCCGGGTTGTAAACTGCTTTAGCCGGGGAATAAAGTGGGCCACGTGTGGACTATTGCATGTACCCGGAGAATAAGCGTCGGCTAATTCCGAGCCAGCAGCCGCGGTAATACGGATGATGCGATCGTTATCCGGATTTATTGGGTATAAAGGGAGCGTAGGCGGGATGGTAAGTCAGATGACAAATGTCCGTGCCCAACGCTGTCATGCCTTGGGTACTGCCGGTCTTGAATACATACAAGGGAGATGGAATTCGTTGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGTCTCCTGGGGTGGCATTGACGCTGAGGCTCGAAAGTGCGGGAATCAAACAGGATTAGATACCCTGGTA
>OTU15707;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Peptostreptococcaceae(0.1872),g:Clostridium_XI(0.0519);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGGATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGAGGTGAAAGGCTACGGCTCAACAGTAGTAAGCCTTTAAAACTGGGAAACTTGAGTTCAGGAGAGGAGAGTGTAATTCCTGGTGTGGCGGTGAATTGCGTGAATATTAGGAGGAACACCAGTTGCGAAGGCGGCTCTCTGGCCTGTAACTAACCCTGGGACACAAAAGCGTGGGGATGAAACAGGATTAGATACCCTGGTA
>OTU15709;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9740),o:"Bacteroidales"(0.9172),f:Bacteroidaceae(0.6350),g:Bacteroides(0.4787);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCTTATGGGTTGTAAACTTTTTCTACAAAGGAATAAAGTCGGGTATGGATACCCGTTTGCATGTATTTTATGATTAAGGATCGGCTAACTCCGCGCCAGCAGCAGCGGTAATACGGAGGTTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGATGTTTAAGTCGGTAGTGAAAGTTTGCGGCTCAACCGTAGAGTTGCAGTTGATACTGGATATCTTGAGTGCAGTTGGGGCAAGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTAGGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU15708;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Clostridiaceae_1(0.5632),g:Clostridium_sensu_stricto(0.3915);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCATCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGGGATGCAAGTCAGATGTGAAATCTATGGGCTTAACCCATAAACTGCATTTGAAACTGTATCTCTTGAGTGCTGGAGAGGTAGATGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15710;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Clostridia(0.2321),o:Clostridiales(0.1015),f:Peptostreptococcaceae(0.0252),g:Clostridium_XI(0.0076);
ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCCACGTCGCGTGAGGGATGAAGGTCTTCGGATCGTAAACCTCTTTTAGAAGGGAAGAAACTAGGGTGTTCTAATCAGCATCCTACTGACGGTATCTTCAAAGGTAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGGGCGTAGGTGGTTTCTGAAGTCAGAGGTGAAGTGCTACGGCTAAACCGTAGTAAGCCTTTGAAACTGGGGGACTTGAGTGCAGGAGAGGAGGGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15711;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Ruminococcaceae(0.2524),g:Clostridium_IV(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTATAAGGGACGAAAGCAATGACGGTACCTTATGAATAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGAAGGCAAGTCAGATGTGAAATGTTCGGGCTTAACCTGAGAACTGCATTTGAAACTGCCAGTCTTGAGTGTCGGAGGGGTAATCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15713;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Lachnospiraceae(0.1291),g:Clostridium_XlVa(0.0181);
ACGGAAGGCAGCAGTGGGAAATATTGCACAAAGGGGGAAACCCTAATGCAGCGACGCCGAGTGAGTGAAGAAGTATTTAGGTAGGTAAAGCTCTATAAGCAGGAAAGAAAATGACGGTACCTGACTAAGAAGACCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGTGGTAAGGCAAGCCAGAAGTGAAAGCCCGGGGCTCAACCCCGAGGACTGCTTTTGGAACTTTCGAACTAGAGTGCAGGAGGGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGTAGGAACACCCGTGGCGAAGGCGGCTTGATGGACTGTACCTGCCCCTCACGCTCGCGAGCGTGGGAAGCCAACAGGATTAGATACCCTGGTA

>OTU15712;tax=d:Bacteria(1.0000),p:Firmicutes(0.3448),c:Clostridia(0.1159),o:Clostridiales(0.0547),f:Lachnospiraceae(0.0113),g:Clostridium_XlVb(0.0056);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTCAACCTCTTTCGCTGAAGACGAAGGAAGTGACGGTATTCTGTGAGGAAGCACCGGCTAAATACGTGCCAGCAGCCGTGGTACTACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGAGCGTAGGCGGTCTGATAAGTTGGATGTGAAATACCCGGTCTTAACTGAGGGAGTGCGTGCAATACGGTTGGACTAGAGTACAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCATAGATATTAGGAGGAACATCAGTGGCGAAGGCGGCTTTCTGGACTGCAACTGACGCTGAGGCTCGAAAGCGTGGAGAGCAAACAGGATTAGATAACCTGGTA

>OTU15714;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8189),o:Clostridiales(0.5023),f:Ruminococcaceae(0.2864),g:Clostridium_III(0.0326);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCCACGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGTAAACTTCTTTTACCACGGACGAAGAACGTGACGGTACCTGGAGAAATAGCGACGGCGAACTACGTGCCAGCAGCCGCGGTAATGCGTGGGTTGCAGGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGGAGCAAGTCAGATGTGAAATCCCGGGGCTTAACCCCTGAACTGCATCTGAAACTGTAGCCCTTGAGTATGGGAGAGGCAAGCGGAATTCGTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCGGCTTGCTGGACGATAACTGACGCTGAGGCGCGAAAGCGCGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15715;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Lachnospiraceae(0.4563),g:Dorea(0.2171);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAAGGATGAAGTATTTAGGTATGTAAACTTCTATCAGCAGGGAAGAAAATGAAGGTACCTGACTAAGAAGCCCCGGATAAATACGTGCCAGCAGCGGCGGGAATACGTAGGGGGAAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTTTGCAAGCCAGATGTGAAAGCCCTGGGCTCAACCCCGGTACTGCATTTGGAACTGTAATGCTAGAGTGTCGGAGAGGCAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCGGCTTGCTGGACGATGACTGACGTTGATGCTCGAAAGTGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU15716;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Ruminococcaceae(0.1291),g:Ruminococcus(0.0204);

ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGTCTTCGGATTGTAAAGTTCTTTTATTAAGGACGAAGAAGTGACGGTACTTAATGAATAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTTATTGGGTGTAAAGGGTGCGTAGACGGAGAAGCAAGTTAGTTGTGAAATCCCTCGGCTCAACTGAGGAACTGCAACTAAAACTACTTCCCTTGAGTGCTGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACTGTTACTGACGCTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15717;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Rumi
nococcaceae(0.0355),g:Clostridium_III(0.0056);
ACGGGAGGCAGCAGTGGGGAATATTGGGAAATGGGGGAAAACCTGACCAAGAAACGACGCGTGAAGGAAAAAGG
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GCCAGCAGCCGCGGTAATACGTAGGTTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGAT
GCAAGTCAGGAGTGAAATCCCGGGGCTCAACCCCGGAACTGCTTTTGAAACTGTATCCCTTGAGTGTCGGAGAAGCA
AGCGGAATTCCTAGTGTAGCGGTGAAATGTTTTGATATTAGGAGCAACACCAGTGGTCTAGGCGCTTTGCCTGCCGA
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>OTU15718;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Lach
nospiraceae(0.0457),g:Dorea(0.0087);
ACGGGAGGCAGCAGTCGGGAATATTGCACAATGGAGGAAACTCTGACGCAGTGACGCCGCGTGCAGGAAGAAGGT
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AGCAGCCGCGGTAATACGTAGGGGGCGGGCGTTATCCGGATTTATTGGGTGTAAAGGGTGCGTAGACGGGAATACA
AGCTAGTTGTGGAATACCGCGGCTTAACCCAGGAACTGCAACTAAAACTATATTGCTTGAGTGTAGGAGAGGCAAGT
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTACTGGACTGAA
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>OTU15719;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Lach
nospiraceae(0.1291),g:Clostridium_XlVa(0.0204);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGCGTGATGAAGTA
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GACTGGAGTGAAAGCCCAGGGCTCAACCGTGGAACTGCTTTGGAAACTGTAGGGCTAGAGTGCTGGAGAGGTAAGT
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAATGGCGAAGGCAGCTTACTGGACAGTA
ACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15720;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Rumi
nococcaceae(0.2524),g:Ruminococcus(0.0615);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACTCTGACGCAGCAACGCCGCGTGAACGATGAAGGT
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AGTAGCCGCGGTCATACGCAGGGAGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCAGAGCA
AGTCAGATGTGAAATCCGTGGGCTTAACCCACGAACTGCATTTGAAACTGTTTTGCTTGAGTGAAGTAGAGGCAGGC
GGAATGCCCTGTGTAGCGGTGAAATGCATAGAGATAGGAAGGAACACCGGTGGCGAAGGCAGCCTGCTGAGCCTTA
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>OTU15723;tax=d:Bacteria(0.0024),p:"Proteobacteria"(0.0000),c:Deltaproteobacteria(0.0000),o:Desulfobacterales(0.0000),f:Desulfobulbaceae(0.0000),g:Desulfotalea(0.0000);
TCCGCTCCCAGTCACAATAATCAGCGTGACATTCAGAAGGGTAATAAGAACGAACCATAAAACAGCCTCCAAGATTTGGAGGCATGAAAACATCCAATTGGGAGGGTGTCAATCCTGACGGTTATTTCCTAGACAAATTAGAGCAAATACCATCAGCTTTACCGTCTTTCCAGAAATTGTTCCAAGTATCGGCAACAGCTTTATCAATACCATGAAAAATATCAACCACACCAGAAGCAGAATCAGTGACGACATTAGAAATATCCTTTGCAGTAGCGCCAATATGAGAAGAGCCATACCGCTGATTCTGCGTTTGCTGATGAACTATGTCAACCTCAGGACTAACCAGTCGAGTCATTTCTTTGATTTGGTCATTGGTAAAATACTGACCAGCCGTGTGAGCTTGAGTAAGCATTTGGCGCAGAAGCG
>OTU15722;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Ruminococcaceae(0.2184),g:Ruminococcus(0.0519);
ACGGAAGGCAACAGTGGGGGATATTGCGCAATGGGGGCAACCCCGACGCAGCAACGCCGCGTGAACGATGAAGGTCTTCGGATTGTAAAGTTCTTTTATTAAGGACGAAGAAGTGACGGTACTTAATGAATAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTTACTGGGTGTAAGGGGTGCTTAGGCGGCAGAGCAAGTCAGATGTGAAATCCGTGGGCATAACCCAGGAATGGCGTTTGAAACTGTTGTGCTGGAGTGAAGTGGGGGCAGGCGAAATTCCCTGTGTAGCGGTGAAAGGCGTGATGTTAGGAAGGAACACCAGTGGCGAGGGCGGCCTGCTTGGCTTTAACTGACGCTGAGGCACGAAGGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU15724;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8267),c:"Bacteroidia"(0.2321),o:"Bacteroidales"(0.1015),f:Marinilabiliaceae(0.0355),g:Alkalitalea(0.0087);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTGCTGTGGAGCAATAAGGGTCACGCGCTGACCCGATGAGAGTACACAGCGAATAAGCCCCGGCTAATTCCTTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCTGTGCGGTAAGTCTGAGGTGAAAGGTCCGCGCTCAACGTGGGAACTGCCTTGGAAACTGCCGTGCTGGAGTGCGGATGACGTTGGAGGAATTAGTGGTGTAGCGGTGAAATGCATAGATATCACTAAGAACACCGATTGCGAAGGCAGCTGACGAATCCGTAACTGACGCTGAAGCACGAAAGCGTGGGTATAGAACAGGATTAGATACCCTGGTA
>OTU15721;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Clostridiaceae_1(0.1291),g:Clostridium_sensu_stricto(0.0230);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGAAGAAGGTCTTCGGATTGTAAAGCTCTTTGATCAGGGACGAACACAATGACGGTACCTGAAGAACAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATTACTGGGCGTAAAGGGAGCGTAGGCGGTCGATTAAGTTAGATGTGGAACCCCCGGGCTTAACTTGGGGACTGCATCTAATACTGGTTGACTTAGAGTACAGGAGAGGGAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACCCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15725;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Eubacteriaceae(0.0710),g:Eubacterium(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGTTTTCGGATTGTAAACCTCTGTTTTCGGTGACGAACAAATGACGGTAACCGAGTAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGACGAGCAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGAAACTGTTTGTCTTGAGTTCACATAAGGATGGTGGAATTTGTGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGGCGAAGGCGGCCCCCTGGACGAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15726;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Lachnospiraceae(0.0355),g:Parasporobacterium(0.0076);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGCAACCCTGATGCAGCGAAGCCGCGTGACTGAAGACGTATTTCGGTATGTAAAGGTCTTTCAGTAAAGAAGTAAATGACGGTACTTGACTAAGAATCCCCGTCTAACTACATTCCAGCAGCCCCGGTACTACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGATGCAAGTTGGGAGTGAAATCCCGGGGCTCAACCCCAGAACTGCAGTTAAAACTGTGTGTCTTGAGTACAGGAGAGGCAAGCGGAATTCGTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCAGCTCGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15727;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Ruminococcaceae(0.0457),g:Intestinimonas(0.0066);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGGTCTTCGGATTGTAAACCTTTGTAGACAGGGAAGAAGAAAGTGACGGTACCTGTACAGTACGCCACGGCTAACTACGTGCCAGCATACGCGGTCATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGGAAAGGGTGTGTAGGAGGGAAAGTGGGTCAGCTGTGAAATACCAAGGCTAAACCAGGGAGATGCATTTGAAACTGCTGTTCTTGAGAGTGGGAGAGGTAAGCGGAATTCCCGGTGGAGCGGGTAAATGCGTAGGTAACGAGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACCAGTACTGACGCTGAGACACGAAAGCGGGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15729;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.9280),f:Bacteroidaceae(0.3544),g:Bacteroides(0.1299);
ACCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGCATACCCGTTTGCATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGATCTTTAAGTCTGTAGTGAAAGTTTGCGGCTCAACCTTAAGATTGCAGTTGGTACTGGGTGCCTTGAGTGCAGTATAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCTATTGCGAAGGCAGCTTGCTGGAGTGTAACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU15730;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Ruminococcaceae(0.0252),g:Saccharofermentans(0.0076);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAACCCTGATCCAGCGACGCCGCGTGAGGGAAGAAGGTCTTCGGATTGTAAACCTTTGTATACAGGGACGAAGAAATGACTGTACCTGTAAAGTAAGCCGCGTCTAACAACGTGCCAGCAGCCGCGGTAATACGTAGGTCGCAAGCTTTATCCGGATTTATTGGGTGTAAAGGGTGAGTAGGCGGTCTGACAAGTCAGATGTGAAATGCTCGGGCTTAACCTGAGAGCTGCATTTGAAACTGCAAGTCTAGAGTGTCGGAGGGGTGAACGGAATTCCTGGTGTAGCGGTGAAATGCGTAGAGATCAGGAGGAACACCAGTGGCGAAGGCGGATTACTGGACGACAACTGACGCTGATACACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15728;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Clostridiaceae_1(0.5991),g:Clostridium_sensu_stricto(0.3479);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGCCTTCGGGTTGTAAAGCTCTGTTTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCATGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGTGGCGAGCGTTGTTCGGAATTACTGGGCGTAAAGGGAGCGTAGGCGGATTATTAAGTGAAATGTGAAATCCCCGGGCTCAACTTTGGAGTTGCATTTCAAACTGGAAGTCTAGAGTGTAGGAGAGGAGAATGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15731;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Eubacteriaceae(0.3544),g:Eubacterium(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAATGATGACGTACTTCGGTATGTAAAGTTCTATCTGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCATTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGTAAGTCTGATGTGAAAACCCGGGGCTCAACCTCGGGGCTGCATTGGAAACTGGAAGGCTAGAGTGTCGGAGAGGTGAGGGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTGACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15732;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Peptostreptococcaceae(0.2524),g:Clostridium_XI(0.0712);
ACTTGAGTCAGCAGTGGTTAATATTGCACAATGGGCGAAAGCCTGATCCAGCAACGCCCCGTGAGTTGTGAAGGCCTTCGGGTCGTAAAGCTCTGTACTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGAGGTGAAAGGCTACGGCTAAACCGTAGTAAGCCTTTGAAACTGGGAAACGAGAGTGCAGGGGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAAGACCAGGGGCGAAGGCGGCGCTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15733;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Rumi
nococcaceae(0.1485),g:Oscillibacter(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGG
CTTTCGGGTTGTAAACCTCTTTTAAGAGGGAAGAGCAGAAGACGGTATCTCTAGAATAAGCCACGGCTAACTACGTG
CCAGCCGCCGCGGTTATACGTAGGTGGCACGCGTTTTCCGGATTTACTGGGTGTAAAGGGCGTGCAGCCGGGTCTGC
AAGTCAGATGTGAAATCCATGGGCTCAACCCATGAACTGCGTTGGAAACTGTAGATCTTGAGTGTCGGAGGGGTAAG
CGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGAT
AACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15734;tax=d:Bacteria(0.9073),p:"Bacteroidetes"(0.3448),c:"Bacteroidia"(0.0425),o:"Bacteroidales"(0.
0291),f:Prolixibacteraceae(0.0073),g:Prolixibacter(0.0039);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
CCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGTGTACCAGGCGAATAA
GCATCGGCTAACTCCGTGCCAGCAGCTGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGG
GTGCGTAAGCTGTGCGTCAAGTCGGGGGTGGAAGTCCGGTGCTCAGCACCGGGGCTGCCCTTGATACTGTCGCGCT
GGTGTGCGGATGCAGCCGGAGGAGTGAGTGGTGTAGCGGTGAAATGCTTCGATATCACTCAGAACACCGATTGCGA
GGGGATCTGGCGATTCCGTAACTGACGCTGAGACACGAGAGCGTGGGGATAGAAAAGGATTAGATACCCTGGTG
>OTU15735;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:Sphingobacteriia(0.0726),o:"Sphingobacte
riales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Solitalea(0.0056);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
CCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCTTCGCGCACGTCCGATGAGGGTACCAGGCGAATAA
GCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGTGATGCGAGCGTTATCCGGATTAATTGGGTTTAAAGG
GTGCGTAGGCTGTGCGTCAAGTCAGGAGTGAAATTCCGGTGCTCAACACCGGAGCTGCCCTTGATACTGTCGAGCTA
GAGTGCGAATGCCGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCAGGCAGAACACCGATTGCGAA
AGCATCTGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA
>OTU15736;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Lach
nospiraceae(0.2184),g:Ruminococcus2(0.0615);
ACGGAAGGCAGCAGTGGGGAATATGGCACAGTGGGCGAAAGCCTAATGCAGCGACGCCGCGTGAGCGAAGAAGTA
TCTGGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGGCTAAGAGGCCCCGGCTAATTACGTGCCA
GCAGCCGCGGGAATACGTAGGGGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGTAGACGGAGAGGCA
AGTCTGATGTGAAAACCCGGGGCTCAACCCCGGGAGTGCATTCGAAACTGTTTATCTGGAGTGCCGGACGGGTAAGT
GGAATTCCTAGTGTTGCAGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTA
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>OTU15737;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Rumi
nococcaceae(0.0904),g:Clostridium_III(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGC
TTTCGGGTTGTAAACCTCTGTCCTTGGTGACGAAGGAAGTGACGGTAGCCAAGGAGGAAGCCCCGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGCGTGCAGCCGGGTCTG
CAAGTCAGATGTGAAATCCATGGGCTCAACCCACGAACTGCATTTGAAACTGTTTTGCTTGAGTGAAGTAGAGGCAG
GCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTG
TAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15739;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Rumi
nococcaceae(0.3544),g:Ruminococcus(0.0904);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGT
CTGCGGGTTGTAAAGTTCTTTTAGTAAGGACGAAGGAGTGACGGTACTTAATGAGTAAGCTCCGGCTAACTACGTGC
CAACAGCCGCGGTAATACGTAGGGAGCAAGCGTGGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCAGAG
CAAGTCAGATGTGAAATCCGTGGGCTTAACCCACGAACGGCAGTTGAAACTGTTGTGCTTGAGTGTAGGAGAGGCA
GGCGGAATTCCCGGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGC
TTTAACTGACGCTGAGGCACGGAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU15738;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lach
nospiraceae(0.4224),g:Blautia(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAACCCTGATGCAGCGACGCCGCGTGAGGGAAGAAGTA
TCTCGGTATGTAAAGTTCTATCAGCAGGGAAGATAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGCGTAGATGGAGAGGCA
AGTCTGATGTGAAAGCCCGGGGCTCAACCCCGGGGCTGCATTGGAAACTGTGGAGCTCGAGTGCCGGAGGGGTAG
GTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCCTACTGGACGG
TAACTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15740;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Lach
nospiraceae(0.4563),g:Coprococcus(0.2171);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
TTTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCACCGGCTAAATACGTGCCA
GCAGCCGCGGTAATACGTATGGGGCAAGCGTTATCCGGATTTACTGGGGGTAAAGGGAGCGTAGACGGATTTGTAA
GTTTGAGGTGAAAGCCCGAGGCTCAACCTCGGGATTGCGTTGGAAACTGTGCAGCTAGAGTTTCGGAGAGGGAAGT
GGAATTCCCAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATG
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>OTU15741;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9994),c:"Bacteroidia"(0.9776),o:"Bacteroidales"(0.9685),f:Bacteroidaceae(0.8505),g:Bacteroides(0.7643);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGCCATGTATACCCGTTTGCATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGATGGTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGAAGGTGGAGGTTTAAGTGAGGTGTGAAAGTTTGCGGCTCAACCGTAAAAGTGCAGCGGATACTGGATATCTTGAGTGAAGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTAAGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU15742;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8755),o:"Bacteroidales"(0.7252),f:Bacteroidaceae(0.2864),g:Bacteroides(0.0808);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGAGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCCCTACGGATTGTAAACTTCTTTTATAAGGGAATAAAATGATCTACGTGTGGAGCTTTGTATGTACCTCATGAATAAGCATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCGGAGGGTTAAGTGTGCTGTGAAAGGTTGCGGCTCAACCGTAGAAGTGCGGTTGGTACTGGCGTTCTTGAGTGCGGATGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCGCTAGACTGTAACTGACGTTCATGCTCGAAAGTGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU15744;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9604),o:"Bacteroidales"(0.8629),f:Bacteroidaceae(0.5273),g:Bacteroides(0.3479);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGATCTTGACCCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTTCTTTTATCCGGGGGTAAAGTCATCCACGTGTGGATGTTTGCAAGTACCGTACGAAAAAGGATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGATGTTTAAGTCAGTTGTGAAAGTTTGCGGCTTAACAGTAAAAGTGCAGTTGATACTGGAGATCTAGAGTGCAGTTGAGGCAGGCGGAATGCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGAGAAGGCAGCCTGCGAAGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU15746;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8189),o:Clostridiales(0.5395),f:Ruminococcaceae(0.1872),g:Saccharofermentans(0.0204);
ACGGGAGGCAGCAATGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGTCTTCGGATTGTAAACTTCTTTTATCAGGGACGAAGGAAGTGACGGTACCTGATGAATAAGCCACGGCTAACTACGTGCCATCAGCCGCGTTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGCGTAGGCGGGAATGCAAGTCAGATGTGAAATCTATGGTAGTAACCCATAAACTGCATTTGAAACTGCATGGATTGAGTTGCGGAGAGGTAGACGGAATGACTAGTGTAGCGGGGAAATGCGTAGATATTAGGAGGAACACCAGGGGCGAAGGCGGTCTACTGGACGATAACGGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGAGACCCTGGTA

>OTU15745;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6036),c:"Bacteroidia"(0.0626),o:"Bacteroidales"(0.0413),f:Prolixibacteraceae(0.0099),g:Prolixibacter(0.0046);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACCAGGGGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGGGCGTAGGCTGTGCGCCAAGTGGGGCGTGAAATGCCGCTGCTCAACGCCGGGGTTGCCTTTGGTACTGTGTCGCTGGAGTGCGGATGCCGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACTCAGAACACCGATTGCGAAGGCAGCTGGCGAATCCGTAACTGACGCTGAGGCACGAAGGCGTGGGGATAGAACAGGATTAGATACCCTGGTA

>OTU15747;tax=d:Bacteria(0.0024),p:"Proteobacteria"(0.0000),c:Epsilonproteobacteria(0.0000),o:Campylobacterales(0.0000),f:Campylobacteraceae(0.0000),g:Campylobacter(0.0000);

GTTCAGTCCCTTGACTCATGATTTCTTACCTCTTAGTGGTTGACCAGCATCGGACTCAGATCGTAATCCACTCTCTTTTCAAATGTCAACCAGAGAATCTCTACCATGAACAAAATGTGACTCATATCTAAACCAGTCCTTGACGAACGTGCCAAGCATATTAAGCCACTTCTCCTCATCCAACGCGTCAGTTTTTGACAGAATCGTTAGTTGATGGCGAAAGGTCGCAAAGTAAGAGCTTCTCGAGCTGCGCAAGGATAGGGCGAATTTTCTCATTGTCCGCCAGCAGTCCACTTCGAGTGAATGCGTAAACAAGCAGGAGTAAGTCCTGCTTTATCAAGAGAATTTG

>OTU15743;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9747),o:Clostridiales(0.9280),f:Clostridiaceae_1(0.5632),g:Clostridium_sensu_stricto(0.3043);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCTGGTTGTAAAGCTCTGTCTTTAGGGACGATAATTACGGTACCTGAGGAGGAAGCCACGGCCAACTACGTGCCAGCAGCCGCGGTAATATGTAGGCGGCGAGCGTTGCCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAAGTGAGATGTGAAATACACGGGCTCAACTTGGGTGCTGCGCTTCAAACTGGAGGTCTAGAGTGCAGGCGAGGCGGATGGAATTCCTGGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTAACTGACGCTAAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15751;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Eubacteriaceae(0.2184),g:Eubacterium(0.0615);

CCTTTCTTCCTCCTTTTTTCCTCTTTCCCCCTTGTGGCCCCCCCGCTGCCGCGACGCCGCGTGAAGGATGAAGTATTTCGGTATGTAAACTTCTATCATCAGGGAAGAAAATGACGGTACCTGACTCAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGTAAGTCTGATGTGAAAACCCGGGGGTCAAACCCGGGACTGGATTGGAAAATATGTGGCGAGAGTGGCGGAGGGGTAAGGTGAATTCCTAGTGGAGGGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGGGAAGGGGGCTTACTGGACGATGACTGAACTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTTGATACCCTGGTA

>OTU15749;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9769),o:Clostridiales(0.9606),f:Clostridiaceae_1(0.6709),g:Clostridium_sensu_stricto(0.5239);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGT
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GCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACCTTTAA
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>OTU15748;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9711),o:Clostridiales(0.8737),f:Clostridiaceae_1(0.4563),g:Clostridium_sensu_stricto(0.1735);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGGT
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GTGAGATGTGAAATACCCGGGCTTAACCTGGGACCTGCATTTGAAACTGGAGTTCTAGAGTGCAGGAGAGGTAAGC
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>OTU15750;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7497),o:Clostridiales(0.4280),f:Clostridiaceae_1(0.1291),g:Clostridium_sensu_stricto(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCCGATGCAGCAATGCCGCGTGAGTGATGAAGGC
CTTCGGGTTGTAAACCTCTGTCTTCAAGGACGATAATGACGGTACCTGAGGAGGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGATTGCAA
GTCAGATGTGAAATCCAGGGGCTCAACTCGTGAACTGCATTTGAAACTGTTGTTCTTGAGTATAGGAGAGGCAATCG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATCAGGAGGAACACCGGTGGCGAAGGCGGATTGCTGGACTTCAA
CTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15753;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.9606),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGAAGGATGACTGC
CCTATGGGTTTTAACCTTCTTTTAAAAAGGAATAAAGTCGGGTATGGATACCCGTTTGCATGTACTTTATGAATACGGC
TCGGCTAACACCGTGCCAGCAGCCGCGGTAGTACGGTGGATCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGTAGATGGATGTTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGATATCTTGAGT
GCAGTGGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCA
GCCTGCTAAGCTGCAACTGACATTGAGGCGCGAAAGTGTGGGGATCAAACAGGATTAGATACCCTGGTA
>OTU15752;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Lachnospiraceae(0.2184),g:Dorea(0.0423);

ACGGGAAGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCCATGCCGCGTGAAGGATGAAGTAT
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AGCCGTGGCAATGCGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTTTGCAAGT
CAGATGTGAAAGCCCGGGGCTCAACACCGAAACTGCATTTGAAACTGTAAGGCTAGAGTGTAGGAGAGGCAAGTGG
AATGCCTGGTGTAGCGGTGAAATGCGTAGATATTAGGCGGAACACCAGTGGCGAAGGCGGCTTGCTGAGCGATGAC
TGACGTTGAGGCTCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU15754;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Graci
libacteraceae(0.0457),g:Gracilibacter(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGCAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
TTTCGGATCGTAAACTTCTTTCCTTGGTGAAGAGGTAGTGACGGTAGCTAATGAGTAAGCCCCGGCTAACTACGTGCC
AGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGATTGATTGGGCGTAAAGGGTGCGTAGGCGGCAGGGT
AAGTCTGGAGTGAAAGTCGTGTTTTTAAGCTAGGAATTGCATTTGATACTGTCGGGCTTGAGTGCAGGAGAGGTAAG
TGGAATTCCCAGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGACTTACTGGACTGT
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>OTU15756;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8267),c:"Bacteroidia"(0.4045),o:"Bacteroidales"(0.
1719),f:"Prevotellaceae"(0.0710),g:Prevotella(0.0134);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGCCGCGTGCAGGAATACGGC
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CACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTCCAGGCGTTATCCGGATTTATTGGGTTTAAAGGG
TGCGTAGGCTGTCCTGCAAGCGAGCGGTGAAAGCCCGGGGCTCAACGCCGGAACTGCCGTGGAAACTGCGGGGCTT
GAGTGCGGATGACGTTGGAGGAATGCGCAGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAA
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>OTU15755;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9769),o:Clostridiales(0.9606),f:Clost
ridiaceae_1(0.7787),g:Clostridium_sensu_stricto(0.4787);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
CTTCGGGTTGTAAAGCTCTGTCTTCAGGGACAATAATGACGGTACCTGAGGAGGAAGCCAGGGATAACTACGTGAAA
GCCGCCGCGACAATATGCAGGTGGCCAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAA
GTGTGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCATTTCAAACTGTAAGTCTAGAGTGCAGGAGAGGATAATG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTTTAAC
TGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15757;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Euba
cteriaceae(0.3204),g:Eubacterium(0.0904);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
CTTCGGGTCGTAAAGCTCTGTCTTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCCAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAA
GTCAGAGGTGAAAGGCTACGGCTCCACCGTAGTAAGGCTTTGAAACTGTGAAACTTGAGTGGAGGAGAGGAGAGTG
GAATTCCTAGGGGAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTAGCGAAGGCGGCTTGCTGGACTGTAA
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>OTU15759;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Rumi
nococcaceae(0.2184),g:Clostridium_IV(0.0157);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
TTTCGGGTTGTAAACTTCTTTTAAGAGGGAAGAGCAGTAGAGGGTACCTCTAGAATAAGACACGGCTAACTACGTGC
AAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGTGTAAAGGGCGTGCAGCCTGGTCTGC
AAGTCAGATGTGAAATCCATGGGCTCAACCCATGAACTGCAATTGAAACTATGGATCTTGAGTGTCGGCGGGGCAAT
CGGAATTCCTAGGGTAGCGGTGAAATGCGTAGATATTGGGAGGAACACCAGTGGCGAAGGCGGATTGCTTGACGAT
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>OTU15758;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9605),c:Gammaproteobacteria(0.8755),o:"Entero
bacteriales"(0.5395),f:Enterobacteriaceae(0.3544),g:Escherichia/Shigella(0.0519);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
CTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTGAAGTTAATCCCTTTGCGCATGGACGGTACCCGCAGA
GGAAGCACCGGCTCACTCCGTGCCAGCCGCCGCGGTGATACGGCGGGTGGAAGTGTGAATCGGAATTACTGGGCGT
AAAGGGCGCGCAGGCGGTATGTTAAGTCTGATGTGAAATCCCGGGGCTCAACCTGGGAACTGCATCTGATACTGGTA
GGCTTGAGTCCCGTAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAACACCGGT
GGCGAAGGCGGCCGCCTGGACGGTGACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCT
GGTA

>OTU15760;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Rumi
nococcaceae(0.3544),g:Intestinimonas(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAAAGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGG
CTTACGGGTTGTAAACTTCTGTTATAAGGGACGAAAGAAATGACGGTACCTTATGAATAAGCTCCGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGAAG
GCAAGTCAGATGTGAAAACTATGGGCTCAACCCATAGCCTGCATTTGAAACTGTTTTGCTTGAGTGAAGTAGAGGCA
GGCGGAATTCCCTGTGTAGCGGTGAAATGTGTAGAGATAGGGACGAACACCAGTGTCGAAGGCGGTCTCCTGGGCT
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>OTU15761;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8267),c:"Bacteroidia"(0.3483),o:"Bacteroidales"(0.
1483),f:"Porphyromonadaceae"(0.0560),g:Barnesiella(0.0087);

CCTTTCTTCCTCCTTTCTTCCTCTTTTTCCCTTTGCGCCCGCCTGAACCTGCCAAGTCGCGTGAAGGAAGACGGCCCTAT
GGGTTGTAAACTTCTTTAGGGTGGGAACAAAGGACGCCACGCGTGGCGAGATGAGTGTACCACCAGAATAAGCATC
GGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGC
GTAGGCGGTTTGTCAAGTCAGTGGTCAAACTGCGGGGCTTAACCTCGTATTGCCGTTGAAACTGGCTGACTAGCGTG
GCGTCGAGGTGTGCGGAATGCGTTGTGTAGCGGTGAAATGCATAGATATGACGCGGAACTCCGATTGCGAAGGCAG
CACACCGGGCGCCTACGGACGCTGAGGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU15762;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Lachnospiraceae(0.4563),g:Lachnospiracea_incertae_sedis(0.0904);
AGGGGAGGAAGCAGGGGGGAAGAGTGAACAAGGGGGGAAACCCTGATGCAGCGACGCCGCGTGACTGAAGAAGT
ATTTCGGTATGTAAAGGTCTATAAGAAAGGAAGAAAATGACGGTACTTGACTAAGAAGCTCCGGCTAAATACGTGCC
AGCAGACGCGGTACTGAGGAGGGAGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGCGTAGGTGGCAGGGC
AAGTCAGATGTGAAAGACCGGGGCTCAACCCCGGTGCTGCATTTGAAACTGCTTTGCTTGTGTACAGGAGAGGCAGG
CGGAATTCCTATTGTAGCGGTGAAATGCGTAGATATTAGGAGGAGCACCAGTGGCGAAGGCGGCCTGCTGGACTGA
CACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15765;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.8808),c:Spirochaetia(0.7114),o:Spirochaetales(0.4280),f:Spirochaetaceae(0.2524),g:Treponema(0.0423);
ACGGAAGGCAGCAGCTACGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGGATGAGGAAGGC
CGGAAGGTTGTAAAATCCTTTTGGTACTGAAGAATAAGCGGTGCAGGGAATGGCTTCGTGGTGACGGTAGGTCCTG
AATAAGCAACGGCTAATTACATGCCACCAGCCGCGGTAACACGTAAGTTCCGAGCGTGGTTCGGAATTATTGGGCGT
AAAGGGCACGTAGGCGGCCCTGTAAGTTTGGTGTGAAAGCTGGGGGCTCAACCCATAGACTGCATTGGGTACTACAT
GGCTTGAGTCGCGGAGGCGGAGCTGGAATTCCAGGTGTAGGGGTGAAATCTGCAGATATCTGGAAGGACACCGATG
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GTA
>OTU15766;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9711),o:"Bacteroidales"(0.8737),f:"Prevotellaceae"(0.6350),g:Prevotella(0.0808);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTATGGGTTGTAAACTGCTTTTGTGTGGGGATAAAGTGGTCGATGCATGGCTTTTTGCAGGTACCGTATGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCTGTGGATTAAGCGTGTTGTGAAATGCCGCGGCTCAACGGTTGCCTTGCAGCGCGAACTGGTTCACTTG
AGTGCGCTGAACGCGGGCGGAATTTGTCGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACCCCGATTGCGAAG
GCAGCTCGCTGGAGCGCAACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU15763;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Clostridiaceae_1(0.3204),g:Clostridium_sensu_stricto(0.0904);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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CAGCAGCCGCGGCAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTT
AAGTGAGATGTGAAATACCCAGGCGCAACGTGGGGGCTGCGTTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAG
AGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAATGGCGAAGGCGACTCTCTAGGCT
GTAACTGACGCTAAAGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15764;tax=d:Bacteria(1.0000),p:Firmicutes(0.1707),c:Clostridia(0.0626),o:Clostridiales(0.0413),f:Clostridiales_Incertae_Sedis_XII(0.0099),g:Fusibacter(0.0046);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGC
TTTCGGGTTGTAAACCTCTGTCCTTGGTGACGAAGGAAGTGAAGGTAGCAAAGGAGGAAGCCCCGGCTAAATACGT
GCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATGAATGGGCGTAAAGGGTGTGTAGGCGGGCT
CGCAAGTTGGATGTGTAATACCCAGAGCTTAACTCGGGTGCTGCATCTGAAACTACTATTCTTGATGGTCTGAGAGGT
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>OTU15768;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9180),o:"Bacteroidales"(0.8303),f:"Prevotellaceae"(0.5632),g:Prevotella(0.0904);
ACGGGAGGCAGCAGTGGGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCACGTAGCGTGCAGGAAGACGGC
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GAGTGCGCAGGAGGTAAGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAA
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>OTU15767;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9994),c:Gammaproteobacteria(0.9776),o:"Enterobacteriales"(0.8629),f:Enterobacteriaceae(0.7428),g:Escherichia/Shigella(0.3915);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCCGATGCAGCCATGCCGCGTGTATGATGAAGGC
CTTCGGGTTGTAAAGTACTTTCAGAGGGGAGGAAGGGAGTAAAGTTAATACCTTTGCTCATTGACGTTATCCGCAGA
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>OTU15769;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Bacilli(0.9733),o:Lactobacillales(0.8737),f:Lactobacillaceae(0.6709),g:Lactobacillus(0.4351);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGG
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GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTGGGTGGCACGCGTTGTCCGGATTTATTGGGCGTA
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TA

>OTU15770;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:"Bacteroidia"(0.4045),o:"Bacteroidales"(0.1719),f:"Prevotellaceae"(0.0710),g:Prevotella(0.0157);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGTAAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTACTGGGCGTAAAGG
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AGTGCTGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAA
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>OTU15771;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachnospiraceae(0.3544),g:Clostridium_XlVa(0.0904);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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>OTU15772;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Peptostreptococcaceae(0.4914),g:Clostridium_XI(0.3043);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATCCAGCCACGCCGCGTGAAGGACGACGTCC
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AGCCGCGGTAACACGTAGGGGGCTAGCGTTATCCGGATTTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTC
AGGAGTGAAAGGCTACGGCTCAACCGTAGTAAGCTCTTGAAACTGGGAAACTTGAGTGCAGGAGAGGAAAGTGGA
ATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTAGCGAAGGCGGCTTTCTGGACTGTAACTG
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>OTU15773;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Lachnospiraceae(0.2524),g:Clostridium_XlVa(0.0519);

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libacteraceae(0.0710),g:Gracilibacter(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGG
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cteriaceae(0.1679),g:Eubacterium(0.0423);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGT
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0000),f:Bacteroidaceae(0.0000),g:Bacteroides(0.0000);
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CGCAGTAGGCGGAAAACGAACAAGCGCAAGAGTAAACATAGTGCCATGCTCAGGAACAAAGAAACGCGGCACAGA
ATGTTTATAGGTCTGTTGAACACGACCAGAAAACTGGCCTAACGACGGTTGGTCAGTTCCAGCAAAATCATAGCCAG
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nococcaceae(0.2864),g:Ruminococcus(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCGATGCCGCGTGGAGGAAGACGGT
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CAGCCGTGGTACTACGTAGGGAGCGGCGGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGATTGCAA
GTCAGATGTGAAATGTATGGGCTTAACCCATAAACTGCATTTGAAACTGTAGTGCTTGAGTGAAGTAGAGGTAAGCG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTACGAGGAACATCGGTGGCGAAGGCGGCTTACTGGGCTTTTAC
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00),f:Mycoplasmataceae(0.0000),g:Mycoplasma(0.0000);
AGCGAACCCACTCCGCGGCATTTAGTAGCGGTCAAGTTAGCCCCAACCCTGAAACCCACCTACACCTTATTGCCCGGC
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acillaceae(0.9201),g:Lactobacillus(0.8124);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGACGGATGGAGCAACGCCGCGTGAGTGAAGAAGGA
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95),f:Spirochaetaceae(0.3544),g:Treponema(0.0519);
ACGGAAGGCAGCAGCTAAGAATATTCCGCAATGGGGGGAACCCTGACGGAGCGAAGCCGCGTGGACGATGAAGGC
CGGAAGGTTGTAAAGTCCTTTTATGGCGGAGGAATAAGGGGGGGCGTGGAAAGCCCGTGCGGTGACTGTAGGCCAT
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>OTU15782;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Rumi
nococcaceae(0.1485),g:Pseudoflavonifractor(0.0157);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCTTGAAGGATGAAGGT
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CAGCCGCGGTAATACTTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGATTTCAAG
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>OTU15783;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9784),o:Clostridiales(0.9707),f:Rumi
nococcaceae(0.9480),g:Gemmiger(0.1735);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGAGGAAGAAGG
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GCAGCCCCGGTAAAACGTAGGGTGCAAGCGTTGTCCGGAATTATTGGGTGTAAAGGGAGCGCAGGCGGACCGGCA
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nococcaceae(0.0457),g:Clostridium_III(0.0110);

AAGGAAGGGAGAAGGGGGGAAGAGGGCGAAAGGGGGGAAAAAATGACGGAGCAACGCAGCGTGCAGGAAGAAG
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nospiraceae(0.5991),g:Dorea(0.3479);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAAGGATGAAGTA
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GCAGCCGCGGTATAACGTCGGGGGCACACGCTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGATTTGCAA

GCCAGATGTGAAAGCCCGGGGCTCAACCGCGGGACTGCATTTGGAACTGTAATGCTTGAGTGTCGGAGAGGCAAGT
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nococcaceae(0.0073),g:Clostridium_III(0.0039);
ACGGGAGGCAGCAGTGGTGAATATTGGGCTATGATCGGAAGACCGGCCGACTAACGTCGCGTCACGGCAGTAGCTT
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nococcaceae(0.0252),g:Clostridium_III(0.0076);
ACGGGAGGCAGCAGTCGGGAATATTGCTCAATGGAGGAAACTCTGACGCAGTGACGCCGCGTGTAGGAAGAAGGT
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ridiaceae_2(0.0059),g:Alkaliphilus(0.0035);
ACGGAAGGCAGCAGTCGGGAATATTGCGCAATGGAGGAAACTCTGACGCAGTGACGCCGCGTATAGGAAGAAGGT
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nococcaceae(0.1872),g:Pseudoflavonifractor(0.0157);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGACGGC
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nospiraceae(0.1679),g:Clostridium_XlVa(0.0326);
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5023),f:"Porphyromonadaceae"(0.2864),g:Barnesiella(0.0326);
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"(0.0231),f:Flavobacteriaceae(0.0059),g:Kordia(0.0035);
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acillaceae(0.1098),g:Lactobacillus(0.0110);
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(0.0000),f:Nocardiaceae(0.0000),g:Nocardia(0.0000);
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riales"(0.0413),f:Sphingobacteriaceae(0.0099),g:Parapedobacter(0.0046);
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07),f:Spirochaetaceae(0.9573),g:Treponema(0.9686);
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nococcaceae(0.0252),g:Cellulosibacter(0.0076);
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ophomonadaceae(0.0000),g:Syntrophomonas(0.0000);
ACAAAGTCCAGCGTACCCTAACCGCCCGCCTCCACGCAGCGACGAGCCCGAGAGCGGTCAGTAGCAATCCAAACTTT
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riales"(0.0781),f:Sphingobacteriaceae(0.0252),g:Solitalea(0.0076);
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3959),f:"Porphyromonadaceae"(0.1679),g:Barnesiella(0.0230);
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ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCCTATGGGCTGTAAACTGCTTTTGTCTGGGGGCAATATGGGCGTCGCGCACGTCCGTTGAGAGTACCTGGGGAATAGGCACCGGCTATCTCCGTGCCAGCAGCCGCGTTATTACGGGGGACGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCTGTGCGTCAAGTCTGGCGTGAAATGCCGGGGCTCAACGGCGGAACTGCGCTTGGTACTGGCACGCTTGAGTGCGGATGACGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACGCAGAACACCGATTGCGAAGGCATCTAACGAATCCGTAACTGACGCTGAGGCACGAAGGCGTGGGGATAGAACAGGATTAGATACCCTGGTA

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nococcaceae(0.4224),g:Ruminococcus(0.1299);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGACGGT
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AGCAGCCGCGTTACTACCTAGGGGCCACGCTTGGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCAGAGCA
AGTCAGAGGTGAAATCCGTGGGCTTAACCCACGAACTGCATTTGAAACTGTTTTGCTTGAGTGAAGTAGAGGCAGGC
GGAATTCCCTGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTA
ACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU15807;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Lach
nospiraceae(0.4563),g:Dorea(0.1735);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGACGCCGCGTGAAGGATGAAGTA
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GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTTTGCAA
GCCAGATGTGAAAGCCCGGGGCTCGACCCCGGGACTGCATTTGGTACTGCAATGCTAGAGTGTCAGAGAGGAAAGT
GGAATTCCTAGTGTAGCGGCGAAATTCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGTCTTTCTGGATGAAG
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>OTU15808;tax=d:Bacteria(1.0000),p:Firmicutes(0.3448),c:Clostridia(0.1740),o:Clostridiales(0.0781),f:Rumi
nococcaceae(0.0113),g:Saccharofermentans(0.0056);
ACGGGAGGCAGCAGTGGGGAATAGTGGGCAATGGGCGAAAGCCGTACCCAGCAATGCCGCGTGAGTGAAGAAGGT
CTTCGGATTGTAAAGCTCTTTGATCAGGGACGAACACAATGACGGTACCTGAAGAACAAGCCCGGGCTAACTACGTG
ACAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTAGTCCGGAATGACTGGGCGTAAAGGGTGTGTAGGCGGGCTC
GCAAGTTGGACGTGTAATACCCAGAGCTTCTCTCGGGTGCTGCAGCTGAAACTACGAGTCTTGAGTGTCGGAGAGGT
AAGTGGAATTCCTAGTGTAGCGGTGTAATGCGTAGATTTTAGGGGGAACATCAGTGGCGAAGGCGACTTACTGTACG
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>OTU15810;tax=d:Bacteria(0.0024),p:"Bacteroidetes"(0.0000),c:"Bacteroidia"(0.0000),o:"Bacteroidales"(0.
0000),f:"Porphyromonadaceae"(0.0000),g:Proteiniphilum(0.0000);
CCTCAATCTCCTCTCTCTTTTTGCGTTCTGCTTCAATATCTGGTTGACCGGCGTCGCGTCGTAACCCAGCTTGGTTAGTT
GGATTCAGCACTCCGTGGACAGATTTGTCATTGTGAGCATTTTCATCCCGAAGTTGCGGCTCATTCTGATTCTGAACAG
CTTCTTGGGAAGTAGCGACAGCTTGGTTTTTAGTGAGTTGTTCCATTCTTTAGCTCCTAGACCTTTAGCAGCAAGGTCC
ATATCTGACTTTTTGTTAACGTATTTAGCCACATAGAAACCAACAGCCATATAACTGGTAGCTGTAAGCGGATCACCTC
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ACCATAAGGCCACGTATGTTGCAAGCTATCGAACTGG

>OTU15809;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Ruminococcaceae(0.1098),g:Saccharofermentans(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGGTCTTCGGATTGTAAACCTTTGTCGACAGAGACGAAGAAATGACGGTACCTGTAAAGTAAGCCACGGCTCACTACGTGCCCACAGGCGCGGTAACACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGTGTAAAGGGTGTGTAGGCGGGATGACAAGTCAGATGTGAAATGTTCGGGCTTAACCCGAGAACTGCATTTGAAACTGCCAGTCTTGAGAGTCGGAGGGGTAGTCGGAATTCCCAGTGTAGCGGTGAAATGCGTAGAGATCGGGAGGAACACCAGTGGCGAAGGCGGATTACTGGACGACAACTGACGCTGAAACACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15811;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3639),f:Ruminococcaceae(0.1291),g:Clostridium_IV(0.0134);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGGCGCAAGCCTGATCCAGCAACGCCGCGTGAAGGAAGACGGTCTTCGGGTTGTAAACTTCTTTTTTTAGGGACGCGTAGAAGTCGGTACCTGACGGATAAGCCACGGCTATCTACGTGCCCGCAGGCGCGGTAATACGTAGGTGGCGCGCTTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGTAGGTCAAGTCAGATGTGAAATCCGCGGGCTTAACTGGTGATATGCATTTGAAACTGGATTGCTGGAGTACCGGAGAGGTAAGCGGAATGCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGGCAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15812;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Ruminococcaceae(0.2864),g:Ruminococcus(0.0808);
ACGGAAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAATGATGAAGGTCTTCGGATTGTAAAGTTCTTTTATCAAGGACGAAGAAGTCACGATACTTAATGAATAAGCTCAGGCTAAAGACGTGCCAGAATCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTGACTGGGTGTAAAGGGTGCGTAGGCGGCAGAGCAAGTCAGATGTGAAATCCGTGGGCTTAACCCAGGAACTGCATTGGAAACTGTTTTGCTAGAGTGAAGGAGGGGCAGGCGGAATTCCCTGTGTAGCGGTGAAATGCGTAGAGATAGGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGGCTTTAACTGACGCTGAGGCACGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU15813;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Lachnospiraceae(0.0560),g:Clostridium_XlVb(0.0134);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGACGGTTTTCTGATTGTAAACTTCTATCAATAGGGACGAAGAAAGTGACGGTCCCTAAATAAGACGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTCTCCGGAATTACTGGGTGTAAAGGGTGAGTAGGCGGCATGGCAAGTAAGATGTGAAAGCCCGGGGCTTAACGCCGGGATGGAAGTTTAAACTGCTGAGCTAGAGTACAGGAGAGGAAAGCGGAATTCCGAGGGGAGCGGGGAAAGGCGTAGAGATTAGGAAGAAAACCAGTGGGGAAGGAGGGTTTAGGGACTGGAAACTGACGCTGAGGCACGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU15814;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Ruminococcaceae(0.0904),g:Oscillibacter(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCATCAACTCCGCGTTAAGGAAGAAGGCCTTCGGGTTGTAAACTTCTTTTACCATTTACTAAGGACGTTACGGTTCCTGGAGAAAACGCCACGTCTAACTACGTGCCAGCAGCCGCGGCAATACGTAGGTCGCAAGCTTTGTCCGGATTTACTGGGTGTAAAGGGCTTGTAGCCGGGAGGGCAAGTCAGATGTGAAATCCACGGGCTCAACTCGTGAACTGCATTTGAAACTACTCTTCTTGAGTATAGGAGAGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAAAACCAGTGGCGAAGGCGGATTGATGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATAAACTGGTA
>OTU15816;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9321),o:"Bacteroidales"(0.8412),f:"Prevotellaceae"(0.3544),g:Prevotella(0.0808);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATACGGGGATAAAGTGTGCCATGCGTGGCCTTTTGCATGTACCCTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCGGTGACATAAGCGTGTTGTGAAATGTTGCGGCTCAACCGTGGAAGTGCAGCGCGAACTGGGTGTCTTGAGTGAGTACGAAGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCGTACTGGTGCGTAACTGACGCTAAAGCTCGAAAGTGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU15815;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Lachnospiraceae(0.1679),g:Clostridium_XlVa(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATCTCGGTATGGAAAGCTCTATCAGCAGGGAAGAAAAGGACGGTATCTGACTAAGATGCTCCGGCTAATTACGTGCAAGCAGCCGCGGCAATACGTAGGGGGCAAGCGTAATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAGAGGCAAGTCAGATGTGAAAACCCGCGGCTCAACCCCGGGAGTGCATTTGAAACTGTTTATCTAGAGTACAGTAGGGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCAGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15818;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8897),o:"Bacteroidales"(0.7623),f:Bacteroidaceae(0.4224),g:Bacteroides(0.2171);
ACGGGAGGCAGCAGTGAGGATTATTGGTCAGTGAGAGTGAGCCGGAACCAGGCAAGTAGCGTGAAGGATGAATGCCCTATGGGGTGTAAACTTCTTTTAGAAAGGAATAAAGTCGGGTATGCATACCCGTTTGCATGTACTTTATGAATAAGGATCGGCTAACTCAGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGATGTTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTTATACTGGATATCTTGAGTGCAGTTGAGGCAGGCGGAATGCGTGGTGTCGCGGTTAAATGCTTTGATATCATGATGAACCCCCATTCCGCAGGCAGCCCGCTATGCTCCTACTCAAAGCTCGTCCCGACAGTGTGGGTCAGCAGCAGGATTAGATACCCTGGTA

>OTU15817;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9887),o:Lactobacillales(0.9938),f:Lactobacillaceae(0.9015),g:Lactobacillus(0.5720);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTATCGGCTCGTAAAGCTCTTTTGTTGGAGAAGAACATGCGTGGGCCTAACTGTTCACGCAGTGACGGTATCCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCTCGGTAATACGTATGTGGCAAGCGTTATCCTGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTGCTTAGGTCTGATGTGAAAGCCTTCGGCTTAACCGAAGAAGTGCATCGGAAACCGGGAGACTTGAGTGCAGAAAAGGATAGTGGAACTCCATGTGTAGAGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCAGACTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU15819;tax=d:Bacteria(1.0000),p:Firmicutes(0.9572),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Lachnospiraceae(0.2184),g:Clostridium_XlVa(0.0326);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGACTGTAGTAGTATTTCGGTAGGTAAAGGTCTATCAGCAATGAAGAAAATGACGGTACTTGACTAAGAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGTGGTAAGGCAAGCCAGAAGTGAAAGCCCGGGGCTCAACACCGAAGACTGCTTTTGGAACTGTCTAACTAGAGTGCAGGAGGGGCAAGCGGAAATCCTGGGGTAGCGGTGAAATGCGTATATATGAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACTGTAGCTGACACTGAGGCTCGAAAGCGTGGGGAGCAAACAGGAGTAGATACCCTGGTA

>OTU15820;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Eubacteriaceae(0.2864),g:Eubacterium(0.0808);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGAAGCAGCAAAGCAGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCAGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGAGGTGAAAGGCTACGGCTCAACCGTAGTAAGCCTTTGAAACTGGGAAACTTGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGACGAACACCAGCTGCGAAGGCAGCTCTCCCGACCGTAACTGACTCTCAAGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15822;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Defluviitaleaceae(0.1872),g:Defluviitalea(0.0326);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGATGCAGCGTGAAGGATGAAGATCTTCGGATCGTAAACCTCTATCAGCAAGGAAGAAAACGGACAGTACTTGACTAAGCAGCATCGGCTAACTACGTGCCAGCAGCCGCGGTACTACGCAGGGGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGTGCGTAGGCGGTATCGCAAGTCAGATGTGAAACCCAAGGGCTCAACCCTTGGCTTGCATTTGAAACTGCGGAGCTAGAGTACAGAAGAGGATAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGAAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15821;tax=d:Bacteria(1.0000),p:Firmicutes(0.1707),c:Clostridia(0.0626),o:Clostridiales(0.0413),f:Clostridiales_Incertae_Sedis_XII(0.0099),g:Acidaminobacter(0.0046);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTCGCAGAAGACGAAGGAAGTGACGGTATTCTGTGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGACCGGAATTACTGGGCGTAAAGGGAGCGTAGGCGGTCTGATAAGTTGGATGTGAAATACCCGGCGTTAACTTGGGAGCTGCATTAAAAACTGGTAACCTAGAGTTCAGGAGAGGGAAGCGGAATTCCTAGTGTAGGGTGGAAAGGCGTAGATATTAGGGGGACAACAAGTTGCGAAGGGGGCTCTTTGGACGGTAACTGACACTGAGGCACGAAAGCGTGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15823;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Clostridiaceae_1(0.1485),g:Clostridium_sensu_stricto(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAGGGACTTCGGATCGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGTGCGTAGACGGAGAAGCAAGTTAGTTGTGAAATCCCTCGGCTCAACTGAGGAACTGCAACTAAAACTACTTCCCTTGAGTGCTGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGTTTAGATATTACGAGGACCACCAGTAGCTACGCTCATTCCCTGCACAGCGCCCTACCGTTCTGCACGAAACTGCGGGCCGTAGTTAGGATTAGATACCCTGGTA
>OTU15824;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9540),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.6881),f:Bacteroidaceae(0.3884),g:Bacteroides(0.1735);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACGCAGCGAAGTAGCGTGAGGGATGAAGGCCCTCGGAGTGTAAACCTCCGTTTGTAGGGGAGTAACGAGGGTGCTCTAATCATTATTGTACTGACTGTATGATTAAAGGACGGATCGGTCAACTCCGTCCCAGCCGGTGCGACAAAAGGGAGGGTGGATGTGCGAATCGGTATGACTGGGCGTAAAGCGCACGTAGGTGGACTGGTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGTCAGTCTTGAGTACAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU15825;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:"Bacteroidia"(0.5195),o:"Bacteroidales"(0.2679),f:Bacteroidaceae(0.0560),g:Bacteroides(0.0134);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGCCCTATGGGTCGTAAACTTCTTTAGACGCAGAGCAATAAGGGTCTCGAGAGATCCGATGAGAGTATGCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGTGGTAAGGCAAGCCAGAAGTGAAAGCCCGGGGCTCAACCCCGAGGACTGCTTTTGGAACTGTCGAACTAGAGTGCAGGAGGGGCAAGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTTGCTGGACCGTAACTGACGTTGATGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU15827;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Rumi
nococcaceae(0.1098),g:Ruminococcus(0.0204);
ACGGGAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGT
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AGTCAGATGTGAAATCCGCGGGCTTAACCCGCGAACTGCATTTGAAACTGTTTCCCTTGAGTATCGGAGAGGTAATC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTA
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>OTU15828;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Lach
nospiraceae(0.1872),g:Ruminococcus2(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGAGGCAGCGACGCCGGGTGAGGGAAGAAGT
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CAGAAGCCGCGGAAAAACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGGTG
CAAGTCTGAAGTGAAATCCCGGGGCTCAACCCCGGTGCTGCTTTGGAAACTGTACTGCTAGAGTGCTGGAGAGGTAA
GTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACAG
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>OTU15826;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Rumi
nococcaceae(0.4914),g:Oscillibacter(0.0808);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGACGCAAGTCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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AAGTCAGATTTGAAATCCGCGGGCTTAACCCGCGAACTTCATTTGAAACTGTGGATCTTTAGTATCGGAGAGGTAATC
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AACTGACGGTGGGGCGCCAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15829;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Rumi
nococcaceae(0.1291),g:Clostridium_III(0.0204);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGACGCAAGTCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
CTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGGACGTGACGGTACCTGGAGAAAAAGCAACGGCTAACTACGTG
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TTAAGTGTGGAGTTAAAGTCCACTTTTCAAGGGTGGAATTGCGTTGCAGACTGGTTGGCTTGAGTGCGGACTAGGTA
AGTTGAATTCCCAGTGTAGCGGTGAAATGCGTAGAGATTGGGAGGAACACCAGTGGCGAAGGCGACTTACTGGGCC
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>OTU15831;tax=d:Bacteria(1.0000),p:Firmicutes(0.9671),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Lachnospiraceae(0.2524),g:Dorea(0.0615);
ACGGAAGGCAGCAGTGGGGAATACTGCACAATGGGCGAAACCCTGACGCAGCGACGCCGCGTGAAGGATGAAGTTTTTCGGTTTGTAAACTTCTTTCAGCAGGGAAGAAAATGACGGTACCTCTTTAATAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGTGTAGACGGCTCTGCAAGCCAGATGTGAAAGCCCGGGGCTCAACACCGGGACTGCATTTGAAACTGTAATGCTTGAGTGCTGGAGAGGCAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACAGTAACTGACGTTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15830;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8897),o:Clostridiales(0.6881),f:Clostridiaceae_1(0.3884),g:Clostridium_sensu_stricto(0.1299);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAACCCCGATCCAGCCATGCCGCGTGAGTGAAGAAGGCCTTCGGGTTGTAAAGCTCTTTTTTCAGGGAAGATAATGACGGTACTCGAGGAGGAAGTCATGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGCGCGTAGGCGGATTTGTAAGTGAGATGTGAAATACCCGGGCTCAACCTGGGTACTGCATTTCAAACTGGAAGTCTAGAGAGCGAAAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGTCCGTAACTGACGCTGAGGCGCGAAGGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15833;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:"Bacteroidia"(0.5195),o:"Bacteroidales"(0.2679),f:"Porphyromonadaceae"(0.0457),g:Parabacteroides(0.0110);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGGAGCCTGAACCAGCCAAGTCGCGTGAGGGGTGAAGGCCCTATGGGTTGTAAACCTCTTTTATAAGGGAATAAAGGGCTCCACGTGTGAAGCATTGCATGTACCTTACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGTGGCTTGTTAAGTCAGCGGTGAAAGTCAGTGGCTCAACGATTGAATTGCAGTGGAAACTGGCGCGCGTGAGTGCGTACGGGGCGGGCGGAATTCGTGGTGTAGCGGTGAAATGCATAGATATCACGAAGAACCCCGATCGCGAAGGCAGCCTGCGGGGCCGTGACTGACGCTGATGCACGAAAGTGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU15832;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Ruminococcaceae(0.2184),g:Intestinimonas(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTCTACCAGGGACGAAGGACGTGACGGTACCTGGAGAAAAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGCAGCAAGTCAGAAGTGAAATCCATGGGCTTAAACCAGGAACGGATTTGGAAACGGTTGACATTGAGTATCGGAGAGGCAGGCGGAATTCAGAGGGTAGGGGGGAAATGCGTAGATATTAGGAGGAAAACCAGTGGCGAAGGCGGCCTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15836;tax=d:Bacteria(0.0041),p:Firmicutes(0.0000),c:Bacilli(0.0000),o:Lactobacillales(0.0000),f:Lactobacillaceae(0.0000),g:Lactobacillus(0.0000);

CTGCATGCAGTCATCACGTTCTTGGTCAGTATGCAACTTAGCACAAGCCGCTTGCAGACCCCTAATGTCAATAGATGTGGTAGACGTCGTCATTTGGCGAGAAAGCTCAGTCTCAGGAGGAAGCGGAGCAGTCCAAATGTTTTTGAGATGGCAGCAACGGAAACCATAACGAGCATCATCTTGATTAAGCTCATTAGGGTTAGCCTCGGTACGGTCAGGCATCCACGGCGCTTTAAAATAGTTGTTATAGATATTCAAATAACCCTGAAACAAATGCTGAGGGATTTTATTGGTATCAGGGTGAATCGTGCCAAGAAAAGCGGCATGGTAAATATAAACAGTAGTGGTAACAGTCGGGAGAGGAATGGCATTAACACCATCCGTCAGGAACGTAATCCACTGGTCACCAT

>OTU15835;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Lachnospiraceae(0.5273),g:Ruminococcus2(0.2171);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATCTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGTAGACGGTAAGGCAAGTCAGAAGTGAAAACCCGGGGCTTAACCCCGGGACTGCATTGGAAACTGTCAGTCTGGAGTGCCGGAGGGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGGTAACTGACGTTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15834;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Peptostreptococcaceae(0.2524),g:Clostridium_XI(0.0712);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGTCTTCGGGTCATAAAGCTCTTTTCTCAAGGAAGATAATGACGGGACTTGAGGAGGAAGCCACGGCTAAATAAGTGCCACCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTAATGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCCGGGGTGAAAGGCTACGGCTCAACCGTAGTAAGCCTTTGAAACTGGGGAACTTGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCGGCTCTCTGGACTGTAACTGACACTGAGGCACGGAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15838;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9877),o:Lactobacillales(0.9280),f:Lactobacillaceae(0.8505),g:Lactobacillus(0.5239);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACATGCGTGAGAGTAACTGATCACGCAGTGCCGGTATCCAACCAGAAAGTCACGGCTTACTACGTGCCAGCAGCCTCGGTAATACGAAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTGCTTAAGTCAGATGTGAAAGCCTACGGCTTAACCGAAGAAGTGCATCGGAAACCGGGCGACTTGAGATCAGAAGAGGACAGAGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGTCTATCTGGTCTGCAACTGACGCTGAGGCGCGAAAGCATGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU15839;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9903),o:Lactobacillales(0.9937),f:Lactobacillaceae(0.9387),g:Lactobacillus(0.6681);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGATGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACATGCGGGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCAGAAAGTCACGGCTAACTACGTGCCAGAACGCGCTGTAGTACGTCGGTGGCAAGCGTTATCCGGAGTTATTGGGCGTAAAGCGAGCGCAGGCGGTTGCTTAGGTCTGACGTGAAAGCCTTCGGCTTAACCGAAGAAGGGCATCGGAAACCGGGCAACTTGAGTGCAGAAGAGGACAGTGGAACTACATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU15837;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Ruminococcaceae(0.2524),g:Clostridium_IV(0.0230);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGATTTCGGGTTGTAAACTTCTTTTATAAGGGACGAAAGAAATGACGGTACCTTATGAATAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCCAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGCAAGGCAAGTCAGATGTGAAAACTCTGGGATCAAGCCATGGCTTGCTTTTGAAACTTTTATACTTGAGTACTGGAGAGGCGAGCGGAATTGCCTGTGTAGCGGTGAAATGCGTAGATATGGGGAGGAACACCAGTGGCGAAGGCGGCATGCTGGACAGCAACTGACGTTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15840;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9719),o:"Bacteroidales"(0.8846),f:Bacteroidaceae(0.5991),g:Bacteroides(0.4351);

ACGGAAGGCAGCAGTGAGGGATATTGGTCAATGGGCGTAAGCCTGAACCAGCCACGCAGCGTGAAGGATGAAGGCTCTAGGGGTCGTAAACTTCTTCTACATGAGAATAAAGTGCGGTACCCATCCTGTTATCTACGTATTACATGAATAAGGATCGCCTAACTCTGTGCCAGCAGCCGCGGTAATACGGATGTACCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGACTGGTAAGTCAGTTGTGAAAGTCTGCGGCTCAACCGTGAGATTGCAGTTGATACTGTCAGTCTTGAGTACAGTAGAGGTAAGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU15841;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9784),o:"Bacteroidales"(0.9707),f:Bacteroidaceae(0.8864),g:Bacteroides(0.8124);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGATCCAGCCACGCAGCGTGAAGGATGAAGGCTCTCTGATTCGTAACCTTCTTTTATATAAGAATAAAGGGCAGTATGTATACGGTCTTGTATGGATTATATGAATAAGGATCGGCGAACTACTTGCCAGCAGCCGCGGTAATACGGAGGATCCGGGCGGTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGGTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGTCAGTCTTGAGTACAGTAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAGGAACTCCGATTGCGAAGGCAGCTCACTGGACTGCAACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU15842;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9740),o:"Bacteroidales"(0.9172),f:Bacteroidaceae(0.5991),g:Bacteroides(0.4351);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGACGACTGCCCTATGGGTTGTAAACTTCTTTTATAGAGGAATAAAGTCGGCTATGTATACCCGTTTGCATGTACTCTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGCTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGATGTGTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTGGAATTGCAGTTGAAACTGGATATCTTGAGTGCAGTAGAGGCAGGCGGAATTCATGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACCCCGATTGCGAAGGCAGCCTACTGGACTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU15843;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9762),o:"Bacteroidales"(0.9497),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGCATACCCGTTTGCATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGATGTTTAAGTCAGTCGTGAAAGGTTGCCGCTCAACCGAAGCATTGCAGTGCGTACTGGTTATCTTGAGTGCAGTTAAAGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTAAGGTGCAACTGACGTTGAAGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU15844;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8897),o:"Bacteroidales"(0.7623),f:Bacteroidaceae(0.4224),g:Bacteroides(0.2171);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGCAGGATGAAGGCTCTATGGGTCGTAATCTTCTTTTATATAAGAATAAAGTGAAGTATGTATACTGTGTTGTAAGTATTAAATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGGTAAGTCTGTTGTGAAATGTTGCTGCTCAACCGTAAAATTGCCTCGGAAACTGTCTGTCTGGAATACCGGTGACGTGGGCGGAATTTGTGGTGTAGCGGTGAAATGCATAGATATCACACAGAACTCCGATTGCGAAGGCATCTCACTAAACTGCAATTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU15845;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Lachnospiraceae(0.2184),g:Clostridium_XlVa(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGAAGCAGCGACGCCGCGTGCGGGATGGAGGCCTTCTGGTTGTAAACCGCTTTTGTTCAAGGGCAAGGCACGGTTTCGGCCGTGTTGAGTGGATTGTTCGCATAAGCACCAGCTAACTACGTGCCAGCAGCCGCCGCAATACGTAGGGGGAAACCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCGCTGCAAGCCAGATGTGAAAGACTGCGGCTCAACCGCGGGACTGCATTTGGAACTGCGTGGCTGGAGTGTCGGAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCATAGATATTAGGCGGAACACCAGTGGCGAAGGCGGCCTACTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15846;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9866),o:Lactobacillales(0.9941),f:Lactobacillaceae(0.8146),g:Lactobacillus(0.4351);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTCTCGGCTCGTAAAGCCCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGTGGTAATACGTAGGTGGCCAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCGGGCGGTTGATTAGGTCTGATGTGAAAGGCTGCGGCTTAACCGAAGAAGTGCATCGGAAACCGGACGACTTGAGTGCGGAAAGGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCGGTGGCGAAGGCAGCTGTCTGGACTTCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU15849;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9726),o:"Bacteroidales"(0.8955),f:Bacteroidaceae(0.6350),g:Bacteroides(0.4787);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTTTATGGGTCGAAAACTTCTTTTATATAAGAATAAATTGCAGTATGTATACAGTTATGCATGGATAACATCAATAAGGCACGGCTAATACTGCGCCAGCAGCCGCGGTAATACGGAGGAACTGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGGTAAGTTAGATGTGAAAGTTTGCGGCTCAACCGTAAAATTGCGTTTGAAACTGTCAGTCTAGAGTACAGTAGAGGTTAGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATTACGAAGAACTCCGGTTGCGAAGGCGGCTCACTGGACTGCAACTGACACTGATGCTCGAAAGTGTGGGGATCAAACAGGATTAGATACCCTGGTA

>OTU15848;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:"Bacteroidia"(0.6346),o:"Bacteroidales"(0.3639),f:"Prevotellaceae"(0.0904),g:Prevotella(0.0134);

ACGGGAGGCAGCAGTGAGGAATATTGGTCGATGGGCGGAAACCTGAACCAGCCAAGTCGCGTGAGGGAAGACTGCCCTACGGGTTGTAAACCTCTTTTGTTTGGGAATAAAGTGCGGGACGTGTCCCGCATTGCATGTACCATTTGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGTGGGTTAAGCGTGTCGTGAAATTCCGTCGCTCAACGGCGGACGTGCGGCGAGAACTGGTCCGCTTGAGTACGAGGGACGTTGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATTACGAAGAATTCCGAGTGCGAAGGCAGCTACCCGTAGCGCAACTGACGCGGAGGCCCGAACGTGCGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU15850;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Bacilli(0.3483),o:Lactobacillales(0.1483),f:Lactobacillaceae(0.0560),g:Lactobacillus(0.0134);

ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGGACGTGCGTGAGCGTAACTGTTCACGCAGTGCCGGTATCCAACCAGAAAGTCACGGCTAACTACGTGCCGGCAGCCGCGGTAATACGTCGGTGGCAAGCGTTATCCGGATTTATTGGGTGTAAAGGGAGCGTAGGTGGACTGGTAAGTCAGATGTGAAAGTTTGGGGCTCAACCGTAGAATTGCAGTTGATACTGTCAGTCTTGAGTACAGGAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACACCGATT

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>OTU15847;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9462),o:Clostridiales(0.8303),f:Euba
cteriaceae(0.2184),g:Eubacterium(0.0615);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
CTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTCCTCGAAGAGGAAGCCCCGGCTAACTCCGTGCCA
GCAGCCGCGGTATTACGCAGGGGGCTAGCGCTCTCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAA
GTCAGAGGTGAAAGGCTACGGCTAAACCGTAGTAAGCCTTTGAAACTGGGAAACTTGAGTGCAGGAGAGGAGAGTG
GAATTCCAAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTTGCGAAGGCGGCTGTCTGGACTGTAA
CTGACACCGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15851;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9871),o:Lactobacillales(0.9389),f:Lactob
acillaceae(0.8146),g:Lactobacillus(0.4351);
ACGGGAGGCAGCAGTAGGGAACCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGGAGAAGGG
TTTCGGCTCGTAAAGCTCTGTCGTTGGAGAAGAACATGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCA
GAAACTCACGGCTAACTACGTGCCAGCAGCCGAGGTAATACGAAGGGGGCAAGCGTGATCCGGATTTATTGGGCGT
AAAGCGAGCGCAGGCGGGTGCTTAAGTCTGATGTGAAAGCCTGCGGCTTAACCGAGGAACTGCATATGAAACCGGG
CGACTTGAGTGCCGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGT
GGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTG
GTA
>OTU15852;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lach
nospiraceae(0.2864),g:Clostridium_XlVa(0.0808);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCTGCGTGAGTGAAGAAGTA
TTTCTGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGAAGGTACCTGAGTAAGAAGCCACGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCAAAGCA
AGTCCGATGTGAAATTCCGGGGCTCAACTCCTGACCTGCAGTGGAAACTGTTTAGCTAGAGTATCGGCAAGGTAAGT
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATA
ACTGACGTTGAGGCTCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15853;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9882),o:Lactobacillales(0.9497),f:Lactob
acillaceae(0.8146),g:Lactobacillus(0.4787);
ACGGGAGGCAGCAGTAGGGAATCTTCTACAATGGGCGCAAGCCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGG
TTTCGGCTCGTAAAGCTCCGTTGTTGGAGAAGAACGTGTGTGAGAGTAACTGTTCACGTAGTGACGGTATCCAACCA
GAAAGTCACGGCTAATTACGTGCCAGCCGCCGCGGCAATACGTAGGTGGCTAGTGTTATCCGGATTTATTGGGCGTA
AAGCGAGCGCAGGCGGTTGCTTAGGTCTGATGTGAAAGCCTTCGGCTTAACCGAAAAAGTGCATCGGAAACCGGGC

GACTTGAGTACAGAAGAGGACAGTGGAACTCCAGGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTG
GCGAAGGCGGCTGTCTGGCCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGG
TA

>OTU15854;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9892),o:Lactobacillales(0.9707),f:Lactob
acillaceae(0.9015),g:Lactobacillus(0.6200);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
CTTCGGCTCGTAAAGCTCTTTTGTTAGAGAAGAACGTGCGTGTGCGCAAATGTTCACGCAGTGACGGTATCTAACCAG
AACGTCACGTCTAACTACGTGCCCGCAGCTGCGGTAAAACGTAGGGGGCAAACGTTATCCGGATTTATTGGGCGTAA
AGCGAGCGCAGGCGGTTTGATAAGTCTGATGTGAAAGCCTTTGGCTTAACCAAAGAAGTGCGTCGGAAACTGTCAG
ACTTGAGTGCGGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAGTGG
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>OTU15855;tax=d:Bacteria(0.9827),p:Firmicutes(0.1707),c:Clostridia(0.0626),o:Clostridiales(0.0413),f:Clost
ridiaceae_3(0.0086),g:Sporosalibacterium(0.0043);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGT
TTTCGGATTATAAACCTCTGTCCTAAGGGACGAAGGAAGTGACGGTACCTTAGGAGGAAGCCCCGGCTAATTACGTG
CCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCTGTGCGT
CAAGTCAGGGGTGAAATTCCGGGGCTCAACTCCGGGGCTGCCCTTGATACTGTCGCGCTGGAGTGCGGATGCCGCC
GGAGGAATGGGTGGTGTAGCGGTGAAATGCTTAGATATCACTCAGAACACCGATTGCGAAGGCAGCTCACTGGACT
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>OTU15856;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Clost
ridiaceae_1(0.0904),g:Clostridium_sensu_stricto(0.0134);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATCCAGCAATGCCGCGTGAGTGATGACGGC
CTTTGGGTTGTAAAGCTCTTTTTTCAGGGACGATAATGACGGTACTTGAGGAGGAAGTCATGGCTAACTCCGTGCCAG
CAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTTCGGAATTATTGGGCGTAAAGGGAGCGTAGGCGGATTTTTAAG
TCAGATGTGAAATCCCCAGGCTCAACCTTGGAACTGCTTCTAATACTGGTAAGCTTGAGATTGGTAGAGGAGAGTAG
AATTCCTGGTGTAGCGGTGAAATGCGTAAATATCAGGAGGAATACCAGTGGCGAAGGCGGCCACCTGGATGAAATC
TGACGCTGAGGTGCGAAGGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15857;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Rumi
nococcaceae(0.0710),g:Saccharofermentans(0.0157);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
CTTCGGATTGTAAACCTCTTTTAGCAGGGACGAAGGACGTGACGGTACCTCATGTATAACTCACGGCTAACTACGTGC
CAGCAGCCGCTGTAATACGGAGGTGACAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGGATGGC

AAGTCAGATGTGAAATCCATGGGCTCAACCCCGGAACTGCATTTGAAACTGTCGTTCTTGAGTATCGGAGAGGTAAG
CGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTACTAGACGAC
AACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15858;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Lachnospiraceae(0.1485),g:Clostridium_XlVa(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
TCTCGGTATGTAAAGCCCTATCATCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGGAATGCA
AGTCAGATGTGAAAAGCCTGGGCTTAACCCCGGGAGTGCATTGGAAACTGTTGATCTGGAGTGCAGGAGGGGTAAG
TGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCCGTGGCGAAGGCGCTTCTCTGGGCTGTT
ACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15860;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9784),o:Clostridiales(0.9707),f:Clostridiaceae_1(0.7428),g:Clostridium_sensu_stricto(0.4787);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCCGATGCAGCAACGCCGCGTGAGTGATGACGGC
CTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAACCACGGCTAACTACGTGCCG
GCAGGCCGGGTTATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTTTTAA
GTGAGATGTGAAATACCCGGGCTTAACTTGTGTGCTGCATTTCAAACTGGAAGTCTAGAGTGCAGGAGATGTGAAGG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTAA
CTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15859;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Clostridiales_Incertae_Sedis_XII(0.0457),g:Acidaminobacter(0.0110);
ACGGGAGGCAGCAGTAGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGGGGGAAGAAGGC
TTTCTGATTGTAAACCTCCGTCCTATGTGACGAAGGAAGCGACGGTAGCATAGCAGGAAGCCCCGCCTCACTACGTG
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riales"(0.1015),f:Sphingobacteriaceae(0.0355),g:Parapedobacter(0.0076);
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nospiraceae(0.0560),g:Blautia(0.0110);
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"(0.0291),f:Flavobacteriaceae(0.0073),g:Cruoricaptor(0.0039);
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riales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Parapedobacter(0.0056);
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nospiraceae(0.1872),g:Clostridium_XlVa(0.0230);
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9389),f:"Prevotellaceae"(0.9015),g:Prevotella(0.5239);
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nospiraceae(0.0252),g:Parasporobacterium(0.0076);
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0781),f:"Porphyromonadaceae"(0.0149),g:Barnesiella(0.0066);
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nospiraceae(0.2864),g:Clostridium_XlVa(0.0712);
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>OTU15917;tax=d:Bacteria(1.0000),p:Firmicutes(0.9994),c:Bacilli(0.9897),o:Lactobacillales(0.9606),f:Lactob
acillaceae(0.9108),g:Lactobacillus(0.5720);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGAGTTATCCGGATTTATTGGGCGTA
AAGCGAGCGCAGGCGGTCGCGTAAGTTTGATGTGAAAGCCTTCGGCTTAACCGAAGAAGTGCATCGGAAACCGGTC
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>OTU15916;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9798),o:"Bacteroidales"(0.
9753),f:Bacteroidaceae(0.8864),g:Bacteroides(0.8124);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGAAGAAGGC
TCTCTGGGTCGTAAACTCCTTTTGTATAAGAATAAAGTGCAGTATGTATACTGTTATGTATGGATTATATGAATAAGGA
TAGCCTAACTCCGTGGCAGCAGCCGAGGTAATACGGAAGATCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAG
CGTAGGTGGACTGGTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGTCAGTCTTGAGT
ACAGTAGAGGTAAGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGGTTGCGAAGGCA
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>OTU15915;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Negativicutes(0.2902),o:Selenomonadales(0.12
49),f:Veillonellaceae(0.0457),g:Mitsuokella(0.0110);
ACGGGAGGCAGCAGTAGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGA
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CAAGTTGGATGTGAAATACCCGGGCTTAACTTGGGAGCTGCAACCAATACTACAGAACTTGAGTGCAGGAGAGGAA

AGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTTCTGGACA
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>OTU15918;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9740),o:"Bacteroidales"(0.
9172),f:Bacteroidaceae(0.6709),g:Bacteroides(0.5239);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACGGC
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CGTAGGTGGATTGGTAAGTTAGTGGTGAAAGTTTGCGGCTCAACCCCAAAATTGCCGTTGATACTGTCGGTCTAGAG
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>OTU15919;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9887),o:Lactobacillales(0.9707),f:Lactob
acillaceae(0.8864),g:Lactobacillus(0.6681);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGCGGGAAGAAGGG
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GAAAGTCACGGCTAACTCCGTGCCCGCCGCCGCGGTGGTACGTACGTGCCAAGCGTGATCCGGATTTATTGGGCGTA
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GACTTGAGTGCAGAAGAGGACAGTGGAACTCCAGGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTT
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>OTU15920;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Rumi
nococcaceae(0.1872),g:Clostridium_IV(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
TTTCTGGTTGTAAACTTCTCTTGTCAGGGACGAGTAGAAGACGGTACCTGACGAATAAGCCACGGCTAACTACGTGCC
AGCAGCCTCGTTAATTCGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGAGGGCA
AGTCAGATGTGAAATCAACGGGCTCAACTCGTGAACGGAATTTGAAAGTACTCTTCTGGAGGAGCGGAGAGGCAAT
CGGAATTCGTGGGGAAGGGGGGAAAGGTGTAGAAATTAGGAGGAACACGAGTGGCGAAGGAGGATTGCGGGACG
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9938),f:Bacteroidaceae(0.9294),g:Bacteroides(0.9686);
CCTTTCTTCCTCCTTTCTTCCTCTTTTTCCCTTTTCTCTCTCCTTACCCCTCCACTTCTCTTGACTTATGAAGGCTCTATGGG
TCGTAAACTTCTTTTATATAAGAATAAAGTTCAGTATGTATACTGTTTTGTATGTATTATATGAATAATTATCGGCTAAC
TCCTTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGG
ACTGGTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGTCAGTCTTGAGTACAGTAGAG

GTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGG
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>OTU15922;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9987),c:Actinobacteria(0.9755),o:Actinomycetales
(0.9172),f:Actinomycetaceae(0.6350),g:Actinomyces(0.4787);
ACGGGAGGCAGCAGTGGGGAATTTTGCACAATGGACGCAAGTCTGATGCAGCGATGCCGCGTGGGGGATGGAGGT
CTTCGGGTTGTGAACTTCTTTCGCCCATGGACAAGCCGTACGGGTGCGCGTGGAGAGGGCAGCGGGTAAAGAAGCG
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AGTGCAGTAGAGGAGACTGGAATTCCTGGTGTAGCGGTGGAATGCGCAGATATCAGGAGGAACACCGGTGGCGAA
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>OTU15921;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Clost
ridiaceae_1(0.2524),g:Clostridium_sensu_stricto(0.0712);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
TTTCGGTTTGTAAAGTACTTTCAGCGGGGAGGAAGGGGATAAAGTTAAAACCTTTGCTCATGGCCGTAACCCGCCGA
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GTA
>OTU15925;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Bacilli(0.9846),o:Lactobacillales(0.8737),f:Lactob
acillaceae(0.6709),g:Lactobacillus(0.3043);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGGGAAGAAGGG
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acillaceae(0.8505),g:Lactobacillus(0.6200);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGTGTGAGTGAAGAAGGG
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GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAGGTGGCAAGCGTTATCCGGATTTATTGGGCGT

AAAGCGAGCGCAGGCGGTTTGATAAGTCTGATGTGAAAGCCTTTGGCTTAACCAAAGAAGTGCCTCTGAAACTGTCA
GACTTGAGTGCAGAAGAGGACGGTGGCTCTCCATGTGTCGCTGTGGAATGCGTCGATATATGTAAGAACACCAGTG
GCGAGGGCGTCTGTCTGGTCTGCACCTGGCGCTTAAGCTCGAGCGCATGGGTAGCGGACAGGATTAGATACCCTGGT
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>OTU15926;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Bacilli(0.9784),o:Lactobacillales(0.9389),f:Lactob
acillaceae(0.9015),g:Lactobacillus(0.6681);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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GAAAATCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTA
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GTCTTGAGTGCAGAAGAGGAGGGGGGAAATCCTGGTGTAGCGGTGGAATGCGTAGAGATTTGGAAGAACACCAGT
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GTA

>OTU15928;tax=d:Bacteria(0.0041),p:Firmicutes(0.0000),c:Negativicutes(0.0000),o:Selenomonadales(0.00
00),f:Acidaminococcaceae(0.0000),g:Phascolarctobacterium(0.0000);

ACCGGATACACCTCTTAGGCAGTCGGGAGGGTAGTCGGAACCGAAGAAGACTCAAAGCGCACCAAACAGGCAAAAA
ATTGAGGGTCGGCATCCAAAGCAATATCAGCACCAACAGAAACAACCTGATTAGCGGCGTTGACAGATGTATCCATC
TGAATGCAATGAAGAAAACCACCATTACCAGCATTAACCGTCAAACTATCAAAAGATAACGTTGACGATGTAGCTTTA
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>OTU15927;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9540),c:Betaproteobacteria(0.5579),o:Burkholder
iales(0.2679),f:Alcaligenaceae(0.1098),g:Advenella(0.0204);

ACGGGAGGCAGCAGTGAGGAATTTTGGACAATGGGGGAAAGCCTGATCCAGCCATGTAGCGTGCGGGAAGAAGGC
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GACTTGAGTATGTCAGAGGGGGGTGGAATTCCACGTGTAGCAGTGAAATGCGTAGATATGTGGAAGAACACCGATG
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>OTU15929;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Bacilli(0.9747),o:Lactobacillales(0.8846),f:Lactob
acillaceae(0.6350),g:Lactobacillus(0.4787);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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GAAAGTCACGGCTCACTCCGTGCCAGCAGCCGCGGCAATACGTAGGTGGCAAGCGCTATCCGGATTTATTGGGCGTA
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GACTTGAGTGCGGAAGAGGACGGTGGAACGCCATGTGTAGCGGTGAAATGCTTAGATATATGGAAGAACACCGATG
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>OTU15931;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9704),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.
4652),f:"Rikenellaceae"(0.2184),g:Alistipes(0.0615);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGC
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ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGT
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GAGTAGTTGCGGTAGGCGGAATGTATGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACACCGATTGCGAAGG
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acillaceae(0.9387),g:Lactobacillus(0.8124);

ACGGGAGGCAGCAGTAGGGAATCTTCAACAATGGGTGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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GAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTA
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GACTTGAGTGCAGAAGATGACAGTGTAACTCCATGTGTAGCGGTGGAATGCGTAGATATAATGAAGAACACCAGTG
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>OTU15932;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Rumi
nococcaceae(0.3544),g:Clostridium_IV(0.0204);

ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGTC
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AGCAGCCGCTGTAATACATAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGAGGGCA
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GGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAAAACCAGTGGAGAAGGCGGATTGCTGGACGAC
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>OTU15934;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Rumi
nococcaceae(0.1485),g:Saccharofermentans(0.0326);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGAAGAAGGT
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AGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACG
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>OTU15933;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Clost
ridiaceae_1(0.5632),g:Clostridium_sensu_stricto(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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0231),f:"Porphyromonadaceae"(0.0059),g:Coprobacter(0.0035);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGC
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>OTU15936;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9991),c:Epsilonproteobacteria(0.9726),o:Campylo
bacterales(0.8737),f:Campylobacteraceae(0.7787),g:Campylobacter(0.6681);
ACGGGAGGCAGCAGTAGGGAATATTGCGCAATGGGGGAAACCCTGACGCAGCAACGCCGCGTGGAGGATGACACT
TTTCGGAGTGTAAACTCCTTTTTTTAGGGAAGAATTCTGACGGTCCCTAAGGCATAAGCACCGGCCAATTTCGTGCCA
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GAATTGGTGGTGTAGGGGTAAAATGCGTAGATATCACCAAGAATACCCATTGCGAAGGCGGTCTACAAGGGCTCAA
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>OTU15938;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9871),o:Lactobacillales(0.9940),f:Lactob
acillaceae(0.8146),g:Lactobacillus(0.4787);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGCGTGAAGAAGGG
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AACGTCACGGCTAACTACGTGCCAGCAACCGCGGTAATACGTCGGTGGCCAGCCTTATCCGGATTTATTGGGCGTAA
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GTA

>OTU15940;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lachnospiraceae(0.3204),g:Clostridium_XlVa(0.0712);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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>OTU15939;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9861),o:Lactobacillales(0.9063),f:Lactobacillaceae(0.7787),g:Lactobacillus(0.5239);

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GTA

>OTU15937;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9711),o:"Bacteroidales"(0.8737),f:"Rikenellaceae"(0.7787),g:Alistipes(0.6681);

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GAGTAGATGCGGTAGGCGGAATGCATGGTGTAGCGGGAAATGCGTAGAGATCATAAAGAACACCGATTGCGAAGG
CAGCTTACCAAACTATAACTGACGTTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15941;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9887),o:Lactobacillales(0.9497),f:Lactobacillaceae(0.9015),g:Lactobacillus(0.5239);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACATGCGGGAGAGTAACTGTTCACGCAGCGACGGTATCCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCAGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGTGAGCGCAGGCAGGTGCTTAGGTCTGAGGTGAAAACCTTCGGCTTAACCGAAGAAGTGCAGCGGAAACAGGGCGACTTGAGAGCAGAAGAGGACAGTGGAACTCCAGGTGTAGCGGTGGAATGCGTAGATATATGGAGGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU15942;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.9389),f:"Porphyromonadaceae"(0.8864),g:Butyricimonas(0.8124);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTCGCGTGCGGGAAGAATGGTCTATGGCCTGTAAACTTCTTTTGTCAGGGAAGAATAAGGATGACGAGTCATTCGATGCCAGTACTTGACGAATAAGCATCGGCTAACTCCGGTCCAGCAGCCGCGGTAATACGGGGGAGGCGAGCGGTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGACGTCAAGTCAGCGGTAAAATACTGCAGCTAAACTGTAGCACGCCGTTGCAACTGGCTCGCTGGAGGTGAGACGAGTGAGGCGGAACAAGTGAAGTAGCGGTTAAATGCATTGGTATCCCTTAGAACCCCGATGGCGAAGGCAGCTTCCCAGGCTCGTTCTTACGCTGATGCGCGAGAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU15944;tax=d:Bacteria(0.0024),p:"Proteobacteria"(0.0000),c:Gammaproteobacteria(0.0000),o:Xanthomonadales(0.0000),f:Xanthomonadaceae(0.0000),g:Pseudoxanthomonas(0.0000);
AAGATTTGGAGGCATGACAACCTACACTTGGGAGGGTGTCAATCCTGCCGGTTATTTCCTAGCCACATTAGAGCCCTTACCATCAGCTTTCCCGTCTTTCCAGAAATTGTTCCAAGTATCGGCAACAGCTTTATCAATACCATGAAAAATATCAACCACACCAGAAGCAGCATCAGTGACGACATTAGAAATATCCTTTGCCGTAGCGCCAATATGAGAAGAGCCATACCGCTGATTCTGCGTTTGCTGATGAACTAAGTCAACCTCAGCACCAACCTGGCGAGTCATTTCTGTGATTTGGTCATTGGTAAAATACTGACCAGCCGTTTGAGCTTGAGTAAGCATTGGGCGCATAATCTCGGAAACCTGCTGTTGCGTGGAAAGATTGGTGGTGTCCATAATAGACGCAA
>OTU15947;tax=d:Bacteria(0.0041),p:"Proteobacteria"(0.0000),c:Deltaproteobacteria(0.0000),o:Desulfovibrionales(0.0000),f:Desulfovibrionaceae(0.0000),g:Bilophila(0.0000);
ACCTTTCGCATCAACAGGCCACACCCAACCAGAACGTGAAAACGCGTCCTGCGTGTCGCGACCTGCGATGGGCATACTGTAACCATAAGGCCACGTATTTTGCAAGCTATTTAACTGGCGGCGATTGCGTACCCGACGACCAAAATTAGGGTCAACGCTACCTGTAGGAAGTGTCCGCATAAAGTGCACCGCATGGAAATGAAGACGGCCATTAGCTGTACCATACTCAGGCACACAAAAATACTGATAGCAGTCGGAGTGTGAATCATTAGTCTTGCGAAACTCGGCAGCAAGAACCATACGACCAATAGCACGAAA

>OTU15943;tax=d:Bacteria(1.0000),p:Firmicutes(0.9991),c:Bacilli(0.9711),o:Lactobacillales(0.8629),f:Lactobacillaceae(0.6350),g:Lactobacillus(0.2607);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGACGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTGGAGACGAACGTTCGCGAGAGTAACTGTATACGCAGTGACGGTATACAACCCGAAAGTCGCGGCTAACTACGTGCCAGCAGCCGCAGTCATACGTAGGTGGCAAGCGTTGTCCGGATTCATTGGGCGTAAAGCGAGCGCAGGCGGTTGCTTAAGTCAGATGTGAAAGCCATCGGCTTAACCGAAAAAGTGCATCGGAAACCGGGCAACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATAGGGAGGAACACCAGTGGCGAAGGCGGCTGGCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU15945;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9861),o:Lactobacillales(0.9172),f:Lactobacillaceae(0.8146),g:Lactobacillus(0.5239);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTAGAGAAGAACGTGCGTGAGAGCAACTGTTCACGCAGTGACGGTATCTAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTGATAAGTATGATGTGAAAGCCTTTGGCTAAACAAAAGAAGTGAATCGGAAAGTGTCAGACTTGAGTGAAGAAGAGGACAGGGGAACTCCAGGTGAAGCGGTGGAATGCGGAGATATATGGAAGAAAACCAGGGGCGAAGGCGGCTGTGGGGTCTGCAACTGACGCGGAGGATAGAAAGAATGGGTAGAGAAAAGGATTAGATACCCGGGTA
>OTU15948;tax=d:Bacteria(0.0041),p:"Proteobacteria"(0.0000),c:Gammaproteobacteria(0.0000),o:"Vibrionales"(0.0000),f:Vibrionaceae(0.0000),g:Grimontia(0.0000);
GCCAGAATCTCTTCCAAGAGCTTGCTGCGGTTATCCCTCTGCTCATGGCAGCCAAGCATTGGGGATTGAGAAAGAGTAGCAATTCCACAAGCCTCAATATCAGGTTTAAGAGCCTCGATACTCTCAAAGTCAAAATAATCAGCGTGACATTCAGAAGGGTAATAAGAACGAACCATAAAAAAGCCTCCAAGATTTGGAGGCATGAAAACATACAATTGGGAGGGTGTCAATCCTGACGGTTATTTCCTAGACAAATTAGAGCCAATACCATCAGCGGTACCGTCTATCCAGAAAATGGTCAAAGTAGCGGAAACAGCTTTATCAATACCTTGAAAAAGATCAACCACACCAGAATCAGCATCAGTGACGACATTA
>OTU15946;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7547),c:"Bacteroidia"(0.0726),o:"Bacteroidales"(0.0473),f:"Rikenellaceae"(0.0113),g:Rikenella(0.0056);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGCCCTATGGGCTGTAAACCGCTTTTTCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGACGAGAGTACCCGGGGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATTGGAGCGTTATCCGGATTCATGGGGTTTAAAGGGTGCGTAGGCTGTGCGTCAAGCCGGGGGTGAAAGGCCGGGGCTCAACTCCGGAGCTGCCGTTGATACTGTCGGGCTGGAGTGCGGATGCCGCCGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCACTCAGAACACCGATTGCGAAGGCATCTGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA

>OTU15949;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9769),o:Clostridiales(0.9606),f:Clostridiaceae_1(0.6350),g:Clostridium_sensu_stricto(0.4787);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCCACGCCGCGTGAGTGATGACGGTTTTCGGATCGTAAAACTCTGTCTTTGGGGAAGATAATGCAGGTACCCAAGGATGCAGCCATGGCTCACTACGTTCCAGCCGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAAGTGGGATGTGAAATACCCGGGCTCAACTTTGGTGCTGCATTCCAAACTGGTTAGCTAGAGTGCAGGAGAGGTGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15952;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9441),c:Spirochaetia(0.8189),o:Spirochaetales(0.5766),f:Spirochaetaceae(0.3884),g:Treponema(0.0904);
ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGAACGAAGAAGGTCGTAGGGTTGTAAAGTTCTTTTGAAACTGAAGAATAAGTATTGCAAGGAATGGCGATATGGTGACGGTAGGTTTTGAATAAGCAACGGCTAATTACGTGCCAGCAGCCGCTTTAACACGTTAGTTGCGAGCGTGGTCCGGAATTATTGGGCGTAAAGGGCATGTAGGCGGTTTTGCAAGACTGGAGTGAAATGCATAGGCTCAACCTATGAACTGCATCGAGAACTACAAGACTTGAGTTACTGAGGTGAGACTGGAATTCCAGGTGTAGGGGTGAAATCTGCAGATATCTGGAAGAACACCGATGGCGAAGGCAAGTATCAAGCAAATAACTGACGCTGAGGTGCGAAGGTGCGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15950;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8897),o:Clostridiales(0.7252),f:Eubacteriaceae(0.2184),g:Eubacterium(0.0615);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTACTTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGCGCGTAGGCGGTAGATCAAGTCGCATGTGAAATACCCGGGCTCAACCTGGGGGGTGCATGCGAAACTGGAATACTTGAGTGCGGTAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCATTGGCGAAGGCGATTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15951;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Lachnospiraceae(0.1291),g:Acetitomaculum(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGGTGCAGCGACGCCGCGTGAAGGATGAAGTATTTCGGAATGTAAACTTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCGCGGCTAACTACGTACCAGCAGCCGAGGGACTACGTAGGGAGCGCGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGGTTGGCAAGTCAGATGTGAAATACCGGGGCTTAACCCGAGGGCGGCAGTGGAAACTGTCGTTCTTGAGTGAAGTAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAGATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGGCTTTAACTGACGCTGAGGCACGAAAGCATGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15955;tax=d:Bacteria(0.0058),p:"Bacteroidetes"(0.0000),c:Flavobacteriia(0.0000),o:"Flavobacteriales"(0.0000),f:Flavobacteriaceae(0.0000),g:Myroides(0.0000);
GTGAATCATCGAATCTTTGAACGCACATTGCGCCCTCTGGTATTCCGGGGGGCATGCCTGTTCGAGCGTCATTACAACCCTCAAGCTTTGCTTGGTATTGGACATTGCCAGTTTCTGGCAGGTCTTAAAATCAGTGGCGGTGCCATTTGGCTTCAAGCGTAGTAATTCTTCTCGCTTTGGAGATCCAGGTGGTTACTTGCCAATAACCCCCAATTTTTTCAGGTTGACCTCGGATCAGGTAGGGATACCCGCTGAACTTAAGCATATCAATAAGCGGAGGA
>OTU15953;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9755),o:Clostridiales(0.9389),f:Clostridiaceae_1(0.6350),g:Clostridium_sensu_stricto(0.3915);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGCGTGATGACGGCCTTAGGGTTGTAAAGCTGTGTCTTCAGGGACGAAAATGACGGTACCTGAGGAGGAAGCCATGTCTAACTGCGTGCCAGCAGCCGCGGTTCTACGCAGGTGGCGAGGGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTGTAAGTGAGATGTGAAATACCCGGGCTCAACTTGTGTGCTGCATTTCAAACTGGTAGTCTAGAGTGCAGGAGAGGAGGATGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCGATGGCGAAGGCGATTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15954;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9988),c:Deltaproteobacteria(0.9755),o:Desulfovibrionales(0.9389),f:Desulfovibrionaceae(0.9108),g:Desulfovibrio(0.7162);
ACGGGAGGCAGCAGTGGGGAATATTACGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGTCTTCGGATCGTAAACCTCTTTCAGAAGGGAGGAAACTAGGGTGCTCTAATCATCATCCTACTGACGGTACCTTCAAAGGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATCACTGGGCGTAAAGCGCACGTAGGCTGTTATGTAAGTCAGGGGTGAAATCCCGCGGCTCAAACGGGGAACTGCCCTTGATACTGCACGACTTGGAGCCAGGAGAGGGTGGCGGAATGCCAGGTGTAGCAGTGACATGCGTAGATATCTGGAGGAACATCAGTGGCGAAGGCGGCCAGCTGGACCGGTATTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15956;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Peptostreptococcaceae(0.1872),g:Clostridium_XI(0.0519);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGACGGCCTTCGGGTCGTTAAGCTCTGTCCTCACGGAAGATAATGACGGTACTTGAGGATGTAGCCCTGTCTAACTACGTTCCAGCCGCCGCAGTACTACGTCGGCGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGAGGTGAAAGGCTACGGCTCAACCGTAGTAAGCCGTTGAAACTGGGAAACTTGAGTGCATGAGAGGTGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACGCCGGTTGCGAAGGCGGCTCTCGGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15957;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5579),o:Clostridiales(0.2679),f:Ruminococcaceae(0.0904),g:Clostridium_IV(0.0134);

CCTGGAGGCAGCAGTGTTGACTATTGGGCCCTGGGCGCAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGGTC
TTCGGATTGTAAACCTTTGTAGACAGGGAAGAAGCAAGTGACGGTACCTGTAAAGTAAGCCACGGCTAACTACGTGC
CAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGTGTAGGCGGGATTGC
AAGTCAGATGTGAAATACCGAGGCTCAACTTCGGAACTGCATTTGAAACTGTAATTCTTGAGAGTGGGAGAGGTAAG
CGGAATTCCCGGTGTAGCGGTGAAATGCGTAGATATCGGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACCAT
TACTGACGCTGAGACACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15959;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Clostridiaceae_1(0.2184),g:Clostridium_sensu_stricto(0.0423);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGGC
CTTCAGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGCAA
GTATGAAGTGAAAGCCCGCGGCTCAACTGCGGAATTGCTTTGGAAACTGTATAGCTTGAGTATCGGAGGGGTAAGC
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGACA
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>OTU15958;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Bacilli(0.9038),o:Lactobacillales(0.6881),f:Enterococcaceae(0.3204),g:Enterococcus(0.0712);

ACGGGAGGCAGCAGTGGGGAATATTCGGCAATGGACGCGAGTCTGACCGAGCAACGTCGCGTGAGTGAAGAAGGT
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GCCAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAACACGTAGGTCGCAAGCCTTGTCCGGATTTATTGGGCGTA
AAGCGAGCGCAGGCGGTGTTTTAAGTCTGATGTGAAAGCCACCGGCTTAACCGGGGAAGGGCGTTGGAAACTGGGA
GTCTTGAGTGCAGAAGAGGAAAGCGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATATGGAGGAACACCAGTG
GCGAAGGCGGCTTACGGGTCCGTAACCGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTG
GTA

>OTU15960;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Clostridiaceae_1(0.4224),g:Clostridium_sensu_stricto(0.2171);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATCCAGCAAAGCCGCGTGAGGGATGAAGGT
TTTCGGATCGTAAAACTCTGTCTTTGGGGAAGTTAATGACGGTACCCAAGGCGGAATCCACGGCCAACTACATGCCA
GCAGGCCCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAA
GTGGGATGTGAAATACCCGGGCTCAACTTGGATGCTGCATTCCAAACTGGTTATCTAGAGTGCAGGAGAGAAGAGT
GGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATG
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>OTU15961;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9180),o:Clostridiales(0.8303),f:Lachnospiraceae(0.3544),g:Blautia(0.0808);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
TTTCGGTATGTAAACTTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAATCCCCGGCTAACTACGTTCCAG
CAGCCGCGGTAATACGTAGGGGGCCAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTGTGCAAG
TCTGAAGTGAAAGCCCGCGGCTCAACCGCGGAATTGCAGTGGAAACTGTATAGCTTGAGTGTAGGAGAGGTAAGCG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCGGTGGCGAAGGCGGCTTACTGGACGGTAA
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>OTU15963;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Clostridiaceae_1(0.4563),g:Clostridium_sensu_stricto(0.2607);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCAACGCAGCGTGAGTGATGAAGGT
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GCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAG
GTGGGATGTGAAATACCCGGGCTCAACTTTGGTGCTGCATTCCAAACTGGGTATCTAGAGTGATGGAGAGGAGAGT
GGGATTCCTAGTATAACGGTGAAATGCATAGAGATTAGAAGGAGCTCCAGTGGGGATGGCGACTCTCTAGGCTGTA
ACTAACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTTGATACCCTGGTA

>OTU15965;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9913),o:Lactobacillales(0.9798),f:Lactobacillaceae(0.9387),g:Lactobacillus(0.7643);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACTGCGTGAGTGAAGAAGGG
TTTCGGCTCGTAAAGCTCTGTTGTTAGAGAAGAACGTGCGTGAGAGCAACTGTTCACGCATCGCCGGCATCTAACCA
GAAAGTCACGTCTAACTACGTGCCAGCACCCGCTGTAATACGTATGTGGCAAGCGTTATCCGGATTTATTGGGTGTAA
AGCGAGCGCAGGCGGTTTGATAAGTCAGATGTGAAAGCCTTTGGCTTAACCAAAGAAGTGCATCGGAAACTGTAAG
ACTTGAGTGCAGAAGAGGAAAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGG
CGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGT
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>OTU15964;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Bacilli(0.8472),o:Lactobacillales(0.4652),f:Lactobacillaceae(0.2864),g:Lactobacillus(0.0808);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATAGACGCAAGTCTGATGGAGCAACGCCGCGTGAGCGAAGAAGGTT
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AAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAA
AGGGAGCGTAGACGGCGATGCAAGTCTGGAGTGAAAGCCCAGGGCTCAATCCTGGGACTGCTTTGGATACTGTATG
TCTATATTTTTTTAGATGTAAGTGGTTTTCTTTTTGTTGTTTTTTTTTTTTTTTTTTTTTTTTTGTTTTTTTTTTTTTTTTTTT
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>OTU15962;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Clostridia(0.9604),o:Clostridiales(0.8520),f:Eubacteriaceae(0.2864),g:Eubacterium(0.0808);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
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GCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTGCTTAA
GTCAGAGGTGAAAGGCTACGGCTCAACCGTAGTAAGCCTTTGAAACTGTTAAACTTGAGTGCAGGACAGGAGAGTG
GAATTCCTAGTGCAGCGGTGAAACGCGTAGATATTAGGAGGAACACCAGCGGCGAAGGCGGCTCCCTCGACTGTAA
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>OTU15967;tax=d:Bacteria(1.0000),p:"Actinobacteria"(0.9966),c:Actinobacteria(0.9747),o:Actinomycetales
(0.8846),f:Actinomycetaceae(0.7068),g:Actinomyces(0.5720);
ACGGGGGGCAGCAGTGGGGAATTTTGCACAATGGACGCAAGTCTGATGCAGCGACGCCGCGTGAGGGATGGAGGC
CTTCGGGTGGTAAACCTCTTTGGCTCATGGTCAAGCCGCACGGGTGCGTGTGGGGAGGGTAGTGGGTAAAGGAGCG
CCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGCGCGAGCGTTGTCCGGAATTATTGGGCGTAAAGGGC
TTGGAGGCGGTTGGTTGCGTCTGCCGGGAAATCCTCGGGCTTAACTGGGGGCGTGCGGTGGGTACGGGCTGGCTTG
AGTGCGGTAGAGGAGAGTGGAACTCCTGGTGTAGCGGTGGAATGCGCAGATATCAGGAGGAACACCAGTGGCGAA
GGCGGGTCTCTGGGCCGTTACTGACGCTGAGGAGCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU15966;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9769),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.
5023),f:Bacteroidaceae(0.3204),g:Bacteroides(0.0904);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACGGC
CCTATGGGTCGTAAACTTCTTTTATATAAGAATAAAGTGCAGTATGTATACTGTTTTGTATGTATTATATGAATAAGGA
TCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATCTATTGGGTTTAAAGGGTG
CGTAGGCGGTCGGTTAAGTCAGTGGTGAAAGACCGGCGCTCAACGGTGGGGCTGCCGTTGATACTGGCGGACTTGA
ATGCAGATGAGGTTGGGGGAATGTGTGGTGTAGCGGTGAAATGCATAGATATCACACAGAACACCGATTGCGAAGG
CAGCCGACGAAGCTGAAATTGACGCTGAGGCACGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU15968;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9168),c:Gammaproteobacteria(0.7497),o:"Entero
bacteriales"(0.3639),f:Enterobacteriaceae(0.1872),g:Escherichia/Shigella(0.0204);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
CCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGAGAGTACCAGGGGAATA
AGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAA
GCGCACGCAGGCGGTTTGTTAAGTCAGATGTGAAATCCCCGGGCTCAACCTGGGAACTGCATCTGATACTGGCAAGC
TTGAGTCTCGTAGAGGGGGGTAGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCG
AAGGCGGCTTACTGGACGGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15969;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9762),o:Pasteur
ellales(0.8955),f:Pasteurellaceae(0.8505),g:Actinobacillus(0.2607);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCCATGCCGCGTGAATGAAGAAGGC
CTTCGGGTTGTAAAGTTCTTTCGGTGATGAGGAAGGTGTTTGTGTTACTAGAACAAGCACTCGACGTTAGTCACAGAA
GAAGCACCGGCTAACTCCGTGCCAGCAGCCGCTGTCATACGGAGTTTGCGGGCGTTAATCGGAATAACTGGGCGGA
AAGGGCACGAAGGCGGTGACTTAAGTGAGAGTTGAATGCCCCGAGCTTAACTTGGGAATTGCATTTCATACTGGGTC
GCTAGAGTACGTTAGAGAGGGGTAGAATTCCACGTGTAGCGGTGAAATGCGTAGAGATGTGGAGGAATACCGAAG
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>OTU15970;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Pept
ostreptococcaceae(0.1291),g:Peptostreptococcus(0.0230);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAACGATGAAGGT
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GCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGAAAGATA
AGTCTGAAGTGAAAGCCCCCGGCTTAACCGGGGAACTGCTTCGGAAACTGTCCTTCTTGAGTGCAGAAGAGGAGAGT
GGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCA
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>OTU15971;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.1905),c:Spirochaetia(0.0726),o:Spirochaetales(0.04
73),f:Spirochaetaceae(0.0113),g:Treponema(0.0056);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGGA
TTTCGGTAGGTAAAGCTCTATCAGCAGGGAAGAAAAAGGACGGTACCTGACTAAGATGCCCCGGCTAACTACGTGCC
AGCAGCCGCGGTAACACGTAAGAGGCGAGCGTAGTTCGGAATTATTGGGCGTAAAGGGCATGTAGGCGGTTTTGCA
AGCTTGGTGTGAAATGCATAGGCTCAATCTATGAACTGCATTGAGAACTACAGGGCTTGAGTGACTGAGGTGGAACT
GGAATTCCAAGTGTAGGGGTGAAATCTGCAGATATCTGGAAGAACACCGATGGCGAAGGCAAGTTTCAAGCAGATA
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>OTU15972;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9605),c:Spirochaetia(0.8897),o:Spirochaetales(0.76
23),f:Spirochaetaceae(0.5632),g:Treponema(0.1735);

ACTTTATTCATCAGCTAATAATATTCCTCAATTTACTAAAGTCTGACGGAGCGACGCCGCGTGAACGAAGAAGGCCGG
GAGGTTGTAAAGTTCTTTTGAAACTGAAGAATAAGTATTGCAGGGAATGGCGATATGGTGACGGTAGGTTTTGAATA
AGCAACGGCTAATTACGTGCCAGCAGCCGCGGTAACACGTAAGTTGCGAGCGTTGTTCGGAATTATTGGGCGTAAAG
GGCATGTAGGCGGTTTTGCAAGTTTGGTGTGAAATGCATAGGCTCAACCTATGAACTGCATTGAGAACTACAAGACT
TGAGTTACTGAGGTGGAACTGGAATTCCAGGTGTAGGGGTGAAATCTGCAGATATCTGGAAGAACACCAATGGCGA
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>OTU15973;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9540),c:Spirochaetia(0.8614),o:Spirochaetales(0.68
81),f:Spirochaetaceae(0.4914),g:Treponema(0.1735);

ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGAATGAAGAAGGC
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TAAGCAACGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGTAGGTTGCAAGCGTTGTTCGGAATTATTGGGCGTAA
AGGGCATGCAGGCGGTTTTGCAAGCTTGGTGTGAAATGCATAGGCTCAACCTATGAACTGCATTTGAAACTAGAAGA
CTTGAGTTTCTGAGGTGGGACTGGAATTCCAGGTGTAGGGGTGAAATCTGCAGATATCTGGAAGAACACCAATGGC
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>OTU15974;tax=d:Bacteria(1.0000),p:Firmicutes(0.9507),c:Clostridia(0.8331),o:Clostridiales(0.5395),f:Rumi
nococcaceae(0.2184),g:Intestinimonas(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAACGATGAAGGC
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GCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGGAGTGCAA
GTCAGATGTGAAAATTATGGGCTGAACCCATAACCTGCATTTGAAACTGTACTTCTTGAGTAATGGAGAGGCAGGCG
GAATTCCGTGTGTAGCGGTGAAATGCGTAGATATACGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGATAA
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>OTU15975;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.3448),c:Sphingobacteriia(0.0726),o:"Sphingobacte
riales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Solitalea(0.0056);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGAAGGAGGT
CCTATGGATTGTAAACTGCTTTTTTCGGGGAATAATAAGACTTTTGCGAAGGTTGATGCAGGTACCCGAAGAATAAG
GATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTATCCGGATTTACTGGGTGTAAAGG
GCGCGTAGGCGGTCGTTTAAGTCTGTCGTGAAAGCCCACAGCTTAACTGTGGAGGGTCGATGGAAACTGGATGGCTT
GAATCTAGAAGAGGTAAGTGGAATTCCATGTGTAGCGGTAAAATGCTTAGATATATGGAGGAACATCAGTGGCGAA
GGCGACTTACTGGACGATAACTGACGCTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15976;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9987),c:Gammaproteobacteria(0.9733),o:Oceano
spirillales(0.6509),f:Oceanospirillaceae(0.4563),g:Marinomonas(0.2607);
GTGTCAGCCGCCGCGGTAATACAGAGGGTGCGAGCGTTAATCGGAATTACTGGGCGTAAAGCGCGCGTAGGTGGTT
TGTTAAGTCGGATGTGAAAGCCCAGGGCTCAACCTTGGAATTGCACCCGATACTGGCAAGCTAGAGTACGGTAGAG
GGGTGTGGAATTTCCTGTGTAGCGGTGAAATGCGTAGATATGGGAAGGAACATCAGTGGCGAAGGCGACACCCTGG
ACCGATACTGACACTCAGATGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTAGTCCACGCCGTAAACG
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TCGCAAGATTAAAACTCAAATGAATTGACGGGG
>OTU15979;tax=d:Bacteria(0.0024),p:"Actinobacteria"(0.0000),c:Actinobacteria(0.0000),o:Actinomycetales
(0.0000),f:Corynebacteriaceae(0.0000),g:Turicella(0.0000);

TTTAGTACGCTCTTTTTGATTCTCAAATCCGGCGTCCACCCTACCAGCCGAGGAAGCATCAGCACCTGCACGCTCCCAA
GCATTACGCTCAGGAAATGCAGCAGCAAGATAATCACGAGTATCCTTTCCTTTATCAGCGGCAGACTTTCCACCAAGT
CCAACCAAATCTAGCAACTTATCAGAAACGGCAGAAGTGCCAGCCTGCAACGTACCTTCAAGAAGTCCTTTACCAGCT
TTAGCCATAGCACCAGAAACAAAACAAGGGACGGCCGCAGCAGGGTTAGGAAAATTAGAGCCTTGAATGGCAGATG
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TTGTTGACCGCCTCCAAACAATTTAGA

>OTU15977;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.8448),c:Gammaproteobacteria(0.6346),o:"Entero
bacteriales"(0.3639),f:Enterobacteriaceae(0.1872),g:Escherichia/Shigella(0.0181);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
TTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAACGGTTCACGCAGTGACGGTATCAAACAA
GAAAGTCACGGCTAAATACGTGACAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGT
AAAGCGCACGCAGGCGGTTTGTTATGTCAGATGTGAAATCCCCGTGCTCAACCTGGGAACTACATTTGATACTGGCA
AGCTTGAGGCTCGTAGAGGTGGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTG
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>OTU15982;tax=d:Archaea(0.0014),p:"Euryarchaeota"(0.0000),c:Halobacteria(0.0000),o:Halobacteriales(0.
0000),f:Halobacteriaceae(0.0000),g:Haladaptatus(0.0000);

GCCAATTCGCATAAGCAGCTTGCAGACCCATCATGTCAATAGCTGTGGTAGAAGTCGTCATTTGGCGAGAAAGCTCA
GTCTCAGGAGGAATCGGAGCAGTCCAAATGTGTTTGAGATGGCAGCAACGGAAACCATAACGAGCATCATCTTGATT
AAGCTCATTAGGGTTAGCCTCGGTACGGTCAGGCATCCACGGCGCTTTAAAATAGTTGTTATAGATATTCAAATAACC
CTGAAACAAATGCTTAGGGATTTTATTGGTATCAGGGTTAATCGTGACAAGAAAAGCGGCATGGTCAATATAACCAG
TAGTGTTAAAAGTCGGGAGAGGAGTGGCATTAACAACAGCATTCATGAACTTAATCCACGGTTCACCATAAACGGGA
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>OTU15978;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7497),o:Clostridiales(0.3639),f:Rumi
nococcaceae(0.1485),g:Clostridium_III(0.0326);

ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
CTTCGGGTTGTAAACTTCTGTCACAGAGGACGAAGGAAGTGACGGTACTCTGGGAGGAAGCTCCGGCAAACTACGT
GCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGCGTGTAGGCGGTAG
ATCAAGTCGCATGTGAAAGACCCGCGCTCAAGGTGGGGAGTGCATTGGAAACTGGAATACTTGAGTGTGGTAGAGG
AAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTTTCTGGG
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>OTU15981;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9726),o:"Bacteroidales"(0.
8955),f:"Prevotellaceae"(0.4914),g:Prevotella(0.3043);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCACGTAGCGTGAATGATGACTGCC
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CGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGC
GTAGGCGGGCGCTTAAGTCAGCTGTGAAAGTTTGGGGCTCAACCCTAAAATTGCAGTGGATACTGGGTGGCTTGAGT
GCAGGATAGGCAAGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATTACGAAGAACTCCTATTGCGAAGGCA
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>OTU15983;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9762),o:"Bacteroidales"(0.
9497),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGC
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CGTAGGTGGACTGGTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATGGCAGTTGAAACGGTCAGTCTTAAG
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>OTU15980;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9989),c:Gammaproteobacteria(0.9791),o:"Entero
bacteriales"(0.8846),f:Enterobacteriaceae(0.8146),g:Escherichia/Shigella(0.4351);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
CTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTGCTCATTGACGTTACCCGCAGA
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>OTU15984;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9719),o:Clostridiales(0.8846),f:Clost
ridiaceae_1(0.4914),g:Clostridium_sensu_stricto(0.3043);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCGGATGCAGCAGCGCCGCGTGAGTGATGACGGC
CTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATTTTTAA
GTGAGATGTGAAATACCCAGGGCTTAACTCGTGTGCTGCTTTCAAAACTACTAGACTTGAGTGTGGGAGAGAATAGT
GGAATTCCTAGTGTAGCGGTGGAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGCTTCTCTGGACTGTA
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>OTU15986;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.
7995),f:"Prevotellaceae"(0.3544),g:Prevotella(0.0808);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCCGAACCAGCCAAGTAGCGTGCAGGATGACTGC
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ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATGGGGTTTAAAGGGA
GCGCAGGCTGGCTGTTAAGCGTGTTGTGAAATGTAGCGGCTCAACAGCTGCTGTGCAGCGCGAACTGGAATCCTTGA
GTGAGTACGACGTCGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGG
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>OTU15985;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Rumi
nococcaceae(0.2184),g:Intestinimonas(0.0230);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCCGACCCAGCAACGCCGCGTGAAGGAAGAAGGT
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CAAGTCAGATGTGAAATCTATGGGCTTAACCCATAAACTGCATTTGAAACTGTAGCTCTTGAGTGCCGGAGAGGTAG
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>OTU15988;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9784),o:"Bacteroidales"(0.
9707),f:"Prevotellaceae"(0.7068),g:Prevotella(0.5720);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGATCCAGCCAAGCAGCGTGAATGATGACGGC
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GTGCAGTATAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCGTAGATATCACGAAGAACTCCTATTGCGAAGG
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>OTU15987;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Lach
nospiraceae(0.4914),g:Blautia(0.1735);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCCGATGCAGCAACGCCGCGTGAAGGAAGAAGGA
TCTCGGTATGTAAACTTCTATCAGCAGGGAAGATAGTGACGGTACCTGAGTAGGAAGCCACGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGACTGGTAA
GTGTGATGTGAAAGGCGCGGGCTCAACTTGTGTACTGCATTTGAAACTGTTAGTCTTGAGTGCCGGAGAGGTGAGCG
GAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGATTTTCTGGACTGTAAC
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acillaceae(0.5632),g:Lactobacillus(0.3043);

ACGGGAGGCAGCAGTAGGGAATATTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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GTA

>OTU15991;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9882),o:Lactobacillales(0.9497),f:Lactob
acillaceae(0.8864),g:Lactobacillus(0.5720);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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AAAGTCACGGCTAACTACGTGCCAGCAGCCGCTGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAA
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A

>OTU15990;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Clost
ridiales_Incertae_Sedis_XIII(0.0560),g:Anaerovorax(0.0134);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGAAGAAGGT
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GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTGCGTAGGTGGTTACCTAA
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>OTU15993;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9474),c:Gammaproteobacteria(0.8189),o:"Entero
bacteriales"(0.2679),f:Enterobacteriaceae(0.1291),g:Escherichia/Shigella(0.0204);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
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AGAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGCAATACGGAGGGTGCAAGCGTTAATCGGAATAACTGGGCGT
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>OTU15992;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.7995),f:Bacteroidaceae(0.4563),g:Bacteroides(0.2607);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGCATACTCGTTTGCATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGATGGTTAAGTGAGGTGTGAAAGGTTGGCGGTCAACCGGAAAAATGGCAGTGGAACTGGAGAGCTTGAATGACAGTGAAGCAGGGGGAATGCGGTGTGTAGCGGTGAAATGCTTAGAGATTACAAAGAACTCCGATTGCGAAGGCAACCCGCGAAGGGTCAAATGACATTGAGGCACGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU15994;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Erysipelotrichia(0.6346),o:Erysipelotrichales(0.3639),f:Erysipelotrichaceae(0.1872),g:Turicibacter(0.0519);

ACGGGAGGCAGCAGCTAAGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGAACGAAGAAGGCCGGAAGGTTGTAAAATTCTTTTGAAACTGAAGAATAAGTCTTGCCGGGAATGGCGATATGGTGACGGTAGGTTTTGAATGAGCAACGGCTAATTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGAATTATTGGGCGTAAAGGGCGCGCAGGTGGTTGATTAAGTCTGATGTGAAAGCCCACGGCTTAACCGTGGAGGGTCATTGGAAACTGGTCAACTTGAGTGCAGAAGAGGGAAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGGATTACTGGACGACAACTGACGGTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU15995;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9887),o:Lactobacillales(0.9938),f:Lactobacillaceae(0.8864),g:Lactobacillus(0.5720);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTTACGCAGTGACGGTATCCAACAAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGGAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCATAAAGCGAGCGCAGGCGGTTGCTTAGGTCTGACTTGAAAGTCTCCGGCTTAACCGAAGAAGTGCATCGGATACCGTGCGACTTGAGTGCAGTAGAGGACCGTGGAACTCCATGTGTAGCGGTGTAATGCGTAGATATATGGAAGAACTCCAGTTGCGAAGGCGGCTGTCTAGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU15997;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8520),f:"Prevotellaceae"(0.5991),g:Prevotella(0.0904);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGCCCTATGGGTTGTAAACTGCTTTTATACGGGGATAAAGTGGGCCACGTGTGGCTTATTGCAGGTACCGTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTGTGTTAAGCGGGTTGTGAAATGTCCGGGCTTAACCTGGGCGTTGCAGTGCAAACTGGGAAACTAGAGTGCGGAAGGAGTAAGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGTAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU15996;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9736),c:Gammaproteobacteria(0.8897),o:"Enterobacteriales"(0.5766),f:Enterobacteriaceae(0.3884),g:Escherichia/Shigella(0.0712);
AAGGGAGGCAGCAGTGGGGGAGAGGGAGAAAGGGGGGGAACAAGGACGCAGCAACGCCGGGTGAACGATGAAGGTCTTCGGATTGTAAAGTTCTTTTATTAAGGACGAAGAAGTGACGGTACGTAATGAATAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAAGCGCACGCAGGCGGTTTGTTAAGTCAGATGTGAAATCCCCGGGCTCAACCTGGGAACTGCATCTGATACTGGCAAGCTTGAGGCTCGTAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGGCGAAGGCGGCCCCCTTGACGAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU15999;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9798),o:"Bacteroidales"(0.9753),f:Bacteroidaceae(0.9015),g:Bacteroides(0.8605);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGCATACCCGTTTGCATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATACGGATTTATTGGGTTTAAAGGGAGCGTAGATGGATGTTTAAGTAAGTTGTGAAAATTTGCGGCTCAACCGTAAAATTGCATGTTATACTGAATATCTGTAGTGCAGTTGAGGCAGGCGGAATTCGTGTTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGATGCCTGCTATGCAGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU16000;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8755),o:"Bacteroidales"(0.7252),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0615);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTGGGCCACGCGTGGCCTTTTGCAGGTACCGCATGAATAAGGACCGGCTAATTCCTTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCTGCCGGGCAAGCGAGTTGTGAAATGCAGTGGCTCAACGGCGGCACTGCGGCGCGAACTGCCCAGCTTGAGTGCGGGAAAGGTTGGCGGAATTCGACGTGTAGCGGTGAAATGCTTAGATATGGGGAAGAACTCCGATTGCGAAGGCAGCTGACGGGTGCGTAACTGACGCACATGCTCGAAAGTGCGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU16002;tax=d:Bacteria(0.0058),p:"Proteobacteria"(0.0000),c:Betaproteobacteria(0.0000),o:Burkholderiales(0.0000),f:Alcaligenaceae(0.0000),g:Brackiella(0.0000);
GACCTTTCGCCCTCAACTAACGATTCTGTCAACAACTGACGCGTTAGCTGAGGACACGTGGCTTAATATGCTTGGCACGTTCGTCAAGGACTGGTTTAGATATGAGTCACATTTTGTTCATGGTAGAGATTCTCTTGTTGACATTTTAAAAGAGCGTGGATTACTATCTGAGTCCGATGCTGTTCAACCACTAATAGGTAAGAAATCATGAGTCAAGTTACTGAACAATCCGTACGTTTCCAGACCGCTTTGGCTTCTATTAAGCTCATTCAGGCTGCTGCCGTTGTGGATGGAACCGAAGATGATTTCGATGTTCTGAC
>OTU15998;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9719),o:"Enterobacteriales"(0.8303),f:Enterobacteriaceae(0.6350),g:Escherichia/Shigella(0.2171);

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GCTAGAGTGTCGTAGAGGGGGGTAGAATTCCAGGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGATG
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GTA
>OTU16001;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Lach
nospiraceae(0.0457),g:Clostridium_XlVa(0.0110);
ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCTGCGTGAAGGATGAAGGT
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GTA
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0473),f:Prolixibacteraceae(0.0099),g:Prolixibacter(0.0046);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
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GGTGCGTAGGCTGTGCGTCAAGACGGGGGTGAAATTCCGGTGCTCAACACCGGGGCTGCCCTGGAGACGGTCGCGA
TGGAGTGAGGATGCCGGCGGAGGAATGAGTGGTGGAGCGGTGAAATGCTTAGATATAACTCAGAACACCGATTGC
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>OTU16003;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Lach
nospiraceae(0.1291),g:Clostridium_XlVa(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAAAGCCGCGTGAGGGAAGAAGGT
TTTCGGATTGTAAACCTCTGTTCTAAGGGACGAAGGGAGTGATGGTACCTCAGGAGGATGCCCCGGCTAACTACGTG
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GCAAGTCAGGAGTGAAAGCACAGGGCTCAACCCTGAGACTGCTTTGGAAACTGTATGGCTAGAGTGCTGGAGAGGT
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>OTU16006;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8189),o:"Bacteroidales"(0.5766),f:"Prevotellaceae"(0.1872),g:Prevotella(0.0519);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTGGGCCACGCGTGGCCTTTTGCAGGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGCCTTTTAAGTCAGCGGTGAAAGTCTGTGGCTCAACCATAGAATTGCCGTTGAAACTGGGAGGCTTGAGTATGTTTGAGGCAGGCGGAATGCGTGGTGTAGCGGTGAAATGCTTAGATATGGCGAAGAACTCCGATTGCGAAGGCAGCTGACGGGTGCGTAACTGACGCTCATGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU16005;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Ruminococcaceae(0.2524),g:Oscillibacter(0.0181);

ACGGGAGGCAGCAGTGGGAAATATTGGGCAAAGGGCGCAAGCCTGAACCAGCAACGCCGAGTGAAAGGAGAAGGCTTTCGGGTTGTAAACTTCTTTTGTCAGGGACGAGTAGAAGACGGTACCTGACGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGGTTTACTGGGTGTAAAGGGCGTGTAGCCGGGAGGGCAAGTCAGATGTGAAATCCACGGGCTCAACTCGTGAACTGCATTTGAAACTACTCTTCTTGAGTATCGGAGAGGCAATCGGAATTCCTATTGTAGCGGTGAAATGCGTAGATATTATGATGAACACCCGTCGCGAACGCGGATTTACGCACGTTCCCTGAACGTGAGTCGTCCAATCTTCGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU16007;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9441),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.3959),f:"Porphyromonadaceae"(0.1872),g:Barnesiella(0.0230);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAGTGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGATGACGGTCCTACGGCTTGTAAACCTCTTTTGTCGGGGAGTAACGTGCGGTACGCGTCCCGTATTGCGAGTACCCGAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGGAGGCGGCGCGCCAAGTCAGCGGTAAAAGTTCGGAGCTCAACCGGAGGACGCCGTTGAAACTGGCGTGCTGGAGAGGGGGCGAGGAAGGCGGAATACGTGGTGTAGCGGTGAAATGCATAGATATGACGCAGAACTCCGATTGCGAAGGCAGCTTTCCAGCGCGGTACTGACGCTGAGGCACGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU16008;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Bacilli(0.5963),o:Lactobacillales(0.3319),f:Streptococcaceae(0.1679),g:Streptococcus(0.0423);

ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGGGCAACCCTGACCGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTAAGAGAAGAACGTGTGTGAGAGTGGAAAGTTCACACAGTGACGGTATCTTACCAGAAAGGGACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTCCCGAGCGTTGTCCAGATTTACTGGGTGTAAAGGGAGCGTAGACGGCGATGCAAGCCAGATGTGAAAGCCCGGGGCCCAACCCCGGGACTGCATTTGGAACTGCGTGGCTGGAGTGTCGGAGAGGCAGGCGGAATTCCTCGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACGACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU16011;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9711),o:"Bacteroidales"(0.8737),f:Bacteroidaceae(0.5991),g:Bacteroides(0.4351);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACGGCCCTATGGGTCGTAAACTGCTTTTATATAAGAATAAAGTGCAGTACGTATACTGTTTTGTATGTATTATATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGGCAAGTGAGTTGTGAAAGGCTGTGGCTCAACGGTTGAATTGCAGCTCATACTGTCAGTCTTGAGTGCAGTAGAGGTGGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATCGCGAAGAACTCCGATTGCGAAGGCAGCTGACGGGTGCGTAACTGACACTGATGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU16009;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9769),o:"Bacteroidales"(0.9606),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);

ACGGGAGGCAGCAGTGAGGAATATTGGACAATGGGCGCTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTCTCTGGGTCGTAAACTTTTTTTATATAAGAGTAAAGTGCAGTATGTATACTGTTTTGTATGTCTTATATCAATAAGGCACGGCTAACTACGTGCAAGCAGCCGCGGTAATCCGGAGGAACCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGTGGACTGGTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCATTTGATACTGTCAGTCTTGAGTACAGTAGAGGTGAGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACATCGATTGCGAAGGCAGCTCACTGGACTTCTACTGACACTGATGCTCGAAAGTGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU16012;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9441),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4652),f:Bacteroidaceae(0.2184),g:Bacteroides(0.0615);

ACGGGAGGCAGCAGTGTGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGCATACCCGTTTGCATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGTTTGTCAAGTCAGCGGTCCAACTGCGGGGCTTAACCTCGTATTGCCGTTGAAACTGGCTGACTAGCGTGGCGTCGAGGTGTGCGGAATGCGTTGTGTAGCGGTGAAATGCATAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU16014;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8897),o:Clostridiales(0.7623),f:Lachnospiraceae(0.2864),g:Clostridium_XlVa(0.0808);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGATGAAGGATTTCGGTATGTAAACTCCTATCAGCAGGGACGAAAATGACGGTACCTAACAAAGAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAAAACGTAGGGGGCAAGCATTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAGATGCAAGCCAGATGTGAAAGCTAGGGGCTCAACCCCGGAACTGCTTTTGGAACTGCTTGGCTGGAGTGGTGGAGAGGTAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACGACGACTGACGCTGAGGCTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU16010;tax=d:Bacteria(0.4548),p:Firmicutes(0.0914),c:Clostridia(0.0224),o:Clostridiales(0.0170),f:Clostridiaceae_1(0.0046),g:Caloramator(0.0032);
GTGCCAGCAGCCGCGGTAATACGAGAGGAGCAAGTGTTCTACGGTCCCACTGGGCGTACAGGCTCCTTCAGCGGAGTTCAGAAAGCTTTTTCGATTCTTAATCCTGTACCGATTGAACAGAAAAAGAACTTGAACTCGTGAGGTGAGGTGAGGAGGGCGGTATTCCGAGTCTAGCGTTGCCATGCGGTGACTCTCGGAGGACGGCCATCTGGGGCAGCCAGCCCTCCAACCTCTCCTGACGCTTCGGGAGGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTAGTCCACGCCGTAAACGGTGGGTGCTAGTTGTGGGTCACATTCCACGTGATCCGTGACGAAGTTAACACATTAAGCACCCCGCCTGGGGAGTACGGTCGCAAGACTAAAACTCAAAGGAATTGGCGGGG
>OTU16015;tax=d:Bacteria(0.0058),p:"Bacteroidetes"(0.0000),c:"Bacteroidia"(0.0000),o:"Bacteroidales"(0.0000),f:"Porphyromonadaceae"(0.0000),g:Parabacteroides(0.0000);
GTGAATCATCGAATCTTTGAACGCAAATTGCGCCCTTTGGTATTCCGAAGGGCATGCCTGTTTGAGTGTCTTATAAACCTCCAACTATAGTTTATTCTGTAGTTGGCTTTGGGTGCTGCCAGCGATGGCTCGCCTTAAATGTCTAAGTGGAATGCATAATAAGTTCTTGCAACCCTCCACTCTAACACACTTTATATTCTGACCTCAAATCAGGTAGGACTACCCGCTGAACTTAAGCATATCAATAAGCGGAGGA
>OTU16013;tax=d:Bacteria(1.0000),p:Firmicutes(0.1905),c:Clostridia(0.0726),o:Clostridiales(0.0473),f:Clostridiaceae_2(0.0113),g:Alkaliphilus(0.0056);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGTGATTGAGGCCCTACGGGTCGTAAACCCCTTTTGCCGGGGGATAACGGGCGCCACGCGTGGCGCCGTGCAGGTACCCGGAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCGAGCGTTATCCGGATTTATTGGGGTTAAAGGGTGCGCAGGCGGGCGTCTAAGTCAGAGGTGAAAGTTCCGGGCTCAACCGGGGCAGTGCAGATGATACTGGGGGTCTTGAGTGCCGTAGAGGCCGGCGGAATGTGGCGTGTAGCGGTGAAATGCGTAGATATGCGACAGAACACCGGTGGCGAAGGCGGCTGGCCGGACGTGTATTGACGCTGAGGCACGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU16016;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8755),o:"Bacteroidales"(0.7252),f:"Porphyromonadaceae"(0.3204),g:Parabacteroides(0.0808);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGCCGAGAGGCTGAACCAGCCAAGTCGCGTGAAGGATGAAGGATCTATGGTTTGTAAACTTCTTTTATACGGGAATAAAGTGAGCCACGTGTGGTTTTTTGTATGTACCGTATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGCGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGTGGTCTTTTAAGTAAGGGGTGAAAGTTTGTGGATCAACAAGAAAATTGCCATTGAAACTGGGAGACTGGAGTATGTTTGAGGTAGGTGGAATGGGTGGTGGAGCGGTGAAAGGCATAGAAATCACGAAGAACACCGATTGCGAAGGCAACTTGCAAAGCAATAACTGACACTGAAGCACGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA
>OTU16018;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.8808),c:Spirochaetia(0.7114),o:Spirochaetales(0.4280),f:Spirochaetaceae(0.2524),g:Treponema(0.0423);

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>OTU16019;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Clost
ridiaceae_1(0.5632),g:Clostridium_sensu_stricto(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
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riales"(0.0547),f:Sphingobacteriaceae(0.0149),g:Parapedobacter(0.0066);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCAGGACTACGGC
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>OTU16017;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Rumi
nococcaceae(0.2864),g:Clostridium_IV(0.0326);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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7252),f:"Prevotellaceae"(0.1872),g:Prevotella(0.0519);

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ridiaceae_1(0.1098),g:Clostridium_sensu_stricto(0.0204);
ACGGGAGGCAGCAGTAGGGAATCTTGCACAATGGGCGAAAGCCAGATGCAGCAACGCCGCGTGAAGGATGAAGGC
CTTCGGGTTGTAAACTTCTGTTCTTAGGGAAGAAGAAAGTGACGGTACCTAAGGAGAAAGCCCCGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGTGCGTAGGCGGACTTT
TAAGTGAGATGTGAAATACCCAGGCTCAACCTGGGGGATGCATTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAG
AGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATGAGGAAGAACACCAGTGGCGAAGGCGGCTTACTGGACT
GTAACTGACGCTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU16023;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9168),c:Spirochaetia(0.7881),o:Spirochaetales(0.50
23),f:Spirochaetaceae(0.3204),g:Treponema(0.0615);
ACGGGAGGCAGCAGCTACGAATATTCCGCAATGGACGAAAGTCTGACGGAGCGACGCCGCGTGAACGAAGAAGGC
CGGAAGGTTGTAAAGTTCTGTTGAAACTGAAGAATAAGTATTGCAGGGAAGGGCGATCTGGGGACGGTAGGGTTTG
AATAGGCGACGGCTAATTACGTTCCAGCAGCCTCGGTAACACGAAAGGGGCGAGCGGGGTTCGGAATTATTGGGCG
TAATGGGCATGTAGGCGGTTTTGCAAGCGTGGTGTGAAATGCACAGGCTCAACTTATGAACTGCATTGAGAACTAAA
AGACTTGAGTTAATGAGGTGGAACTGGAATTCCAGGTGTAGGGGTGAAATCTGCAGATATCTGGAAGAACACCAAT
GGCGAAGGCAAGTTTCAAGAAGATAACTGACGCTGAGGTGCGAAGGTGCGGGGAGCAAACAGGATTAGATACCCT
GGTA
>OTU16024;tax=d:Bacteria(0.0014),p:"Proteobacteria"(0.0000),c:Gammaproteobacteria(0.0000),o:Altero
monadales(0.0000),f:Moritellaceae(0.0000),g:Moritella(0.0000);
GCTCTAATTTGTCTAGGAAATAACCGTCAGGTTTGACACCCTCTCAATTGTATGTTTTCCTGCCTCCAAATCTTGGCTGC
TTTTTTATGGCTCGTTCTTATTACCCTTCTGAATGTCACGCTGATTATTTTGACTTTGAGCGTATCGAGGCTCTTAAACC
TGCTATTGAGGCTTGTGGCATGTCTACTCTTTCTCAATCCCCAATGCTTGGCTTCCATAAGCAGATGGATAACCGCATC
AAGCTCTTGAAAGGGATTCTGTCTTTTCGGATGCAGGGCGTTGAGTGCGATAATGGTGATATGTATGGTGACGGCCA
TAAGGCAGCGTGTGACGTTCGTGATGAGTTGGTATCTGTTA
>OTU16025;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9887),o:Lactobacillales(0.9389),f:Lactob
acillaceae(0.9015),g:Lactobacillus(0.4787);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
TTTCGGCTCGTAAAGCTCTGTTGTTGGAGGGGAACGTGCGTGCGAGTAACTGTTCACGCAGTGACGGTATCCAACCA
GAAAGTCACGGATAACTACGTGCCGGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATAGGGCGT
AAAGCGAGCGCAGGCGGTTGCTTAGGTCTGATGTGAAAGCCCTCGGCTAAACCGAAGAAGTGCATGGGAAAGTGG
GCGACTTGAGTGCAGAAGAGGACGGTGGAACTCGATGTGTAGCGGTGGAATGCGCAGATATATGGAAGAACACCA
GTGGCGAAGGCGGCTGTCTGGCCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCC
TGGTA

>OTU16026;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Bacilli(0.9805),o:Lactobacillales(0.9389),f:Lactob
acillaceae(0.8864),g:Lactobacillus(0.7162);

ACGGAAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGG
TCTTCGGATCGTAAAACTCTGTTGTTAGAGAAGAACACGAGTGAGAGTAACTGTTCATTTGATGACGGTATCTAACAA
GCAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGCAGGTGGTAAGCGTTGTCCGGATTTATTGGGCGTA
AAGGGAACGCAGGCGGTCTTTTAAGTCTGAGATGAAAGCCTTCGGCTTAAACGGAGTAGTGCATTGGAAACTGGAA
GACTGGAGTGCAGAAGAGAAGAGTGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAGTG
GCGAGAGCGGCGCTCTGGTCTGTAACTGACGCTGAGGTTCGAAAGCGTGGGTAGCGAACAGGATTAGATACCCTGG
TA

>OTU16027;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Lach
nospiraceae(0.1485),g:Blautia(0.0326);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGCGCAAGCCTGATGCAGCGACGCCGCGTGAAGGAAGACGTC
TTTCGGTATGTAAACTTCTATCATCGGGGACGAAGATGACGGTACCCGACTAAGAAGCCCCGGCTAATTACGTGCCA
GCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTCATGCAA
GTCAGATGTGAAAACCCGGGGCTCAACTTCGGGATTGCATTGGAAACTGTCTGACTTGAGTACTGGAGGGGTAAGC
GGAATTCCTGGTGTAGCGGTGAAATGCGTAGAGATCAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACAGTA
ACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU16029;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9605),c:Spirochaetia(0.8897),o:Spirochaetales(0.76
23),f:Spirochaetaceae(0.5632),g:Treponema(0.2171);

ACGGAAGGCAGCAGCTAAGAATATTCCGCAATGGCCGAAAGTCTGACGGAGCGACGCCCCGTGAACGAAGAAGGCC
GAAAGGTGGTAAAGTTCTTTTGAAACTGAAGAATAAGTATTGCAGGGAATGGCGACATGGTGCCGGAAGGTTTTGA
ATAAGCAACGGCTAATTACGTGCCAACAGCCGCGGTAACGCGCAAGTCGCTAGCGTTGTTCGGAATTATTGGGCGTA
AAGGGCATGTAGGCGGTTTTGCAAGCTTGGTGTGAAATGCATAGGCTCAACCTATGAACTGCATTGAGAACTACAAG
ACTTGAGTTACTGAGGTGGGACTGGAATTCCAGGTGTAGGGGTGAAATCTGCTGATATCTGGAAGAACACCAATGGC
GAAGGCAAGTTGCAAGCAGATAACTGACGCTGAGGTGCGAAGGTGCTGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU16028;tax=d:Bacteria(0.9450),p:Firmicutes(0.1707),c:Clostridia(0.0626),o:Clostridiales(0.0413),f:Rumi
nococcaceae(0.0086),g:Saccharofermentans(0.0043);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTTACCCAGCAATGCCGCGTGAGTGAAGAAGGT
CTTCGGATTGTAAAGCTCTTTGATCAGGGACGAACACAATGACGGTACCTGAAGAACAAGCCCCGGCTAACTACGTG
CCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGAATGACTGGGCGTAAAGGGTGTGTAGGCGGGCTC
GCAAGTTGGATGTGTAATACCCAGGGCTTAACTCGGGTGCGGCATCTGAAATTACGAGTCTGGAGTGTGGGGGGGG
TAGGTGGAATCCCTAGTGTGGGGGGGGAATGGTTAGAAATTAGGAGAAACATCAGTGGCGAGGGCAACTTACGGA
ACGATAACGGACGCTGAGGCACGAAGGCTGGGGGGGCAAACAGGATAAGATACCCTGTA
>OTU16031;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9913),o:Clostridiales(0.9936),f:Clost
ridiaceae_1(0.8505),g:Clostridium_sensu_stricto(0.6200);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGC
CTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAA
GTGAGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCATTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAAT
GGAATTCCTAGTGTAGCGGTGAATTTCTTAGAGATTAGCGAGCACACCAGTGTCCACTCCGACTCTCTGCGCCGTACC
TGCCGCTGAGGCTCGAAAGCGTTGGGAGTAAACAGGATCAGATACCCTGGTA
>OTU16030;tax=d:Bacteria(1.0000),p:Firmicutes(0.7547),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Graci
libacteraceae(0.0457),g:Gracilibacter(0.0110);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGAGGACGGT
CCTACGGATTGTAAACCTCTTTTGTCGGGGAGTAACGTGCGGGACGGGTCCCGTATTGAGAGTACCCGAAGAAAAAG
CATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGG
GTGCGTAGGCGGTTTTGTAAGTTGGATGTGAAATACCCGGGCTTAACTTGGGGGCTGCATCCAATACTGCAGGACTT
GAGTGCAGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGA
AGGCGGCTTACTGGACTGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU16032;tax=d:Bacteria(1.0000),p:"Spirochaetes"(0.9441),c:Spirochaetia(0.8189),o:Spirochaetales(0.57
66),f:Spirochaetaceae(0.3884),g:Treponema(0.0615);
ACGGGAGGCAGCAGCTAGGAATATTCCGCAATGGACGAAGGTCTGACGGAGCGACGCCGCGTGAAGGAAGAAGGC
CGGATGGTTGTTAAGCTCTTTTTAAACTGAAGAATAAGTATTGCTGGGAATTGCGATATGGTGACGGTAGGTTTTGAA
TAAGCCACGGCTAATTACGTGCCCGCAGCCGCTGTAACACGTACGTTGCTAGCGTTGTTCGGAATTATTGGGCGTAAA
GGGCATGTAGGCGGTTTTGCAAGCTTGGTGTGAAATGCATAGGCTCAACCTATGAACTGCAGTGAGAACTAGAAGAC
TTGAGTTAGTGAGGTGGAACTGGAATTCCAGGTGTAGGGGTGAAATCTGCAGATATCTGGAAGAACACCGATGGCG
AAGGCAAGTTTCAAGCAGATAACTGACGCTGAGGTGCGAAGGTGCGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU16034;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9762),o:"Bacteroidales"(0.9497),f:"Prevotellaceae"(0.5632),g:Prevotella(0.3915);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAGGGAATAATTGCGGTTACTCGTACCCGTTTGCATTTACCTTATGTATAAGGATCGGCTAACTCCGTTCCAGCAGCCGCGGTAATACGGAGGTTCCGTGCGTTATCCGGATTTATTGGGTTTAAAGGAAGCGTAGGCGGGCGCTTAAGTCAGATGTGAAAGTTTGGGGCTCAACCTTAAAATTGCAGTTGATACTGGGTGCCTTGAGTGCAGTATAGGCAGGAGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCTATTGCGAAGGCAGATTGCTGGAGTGTAACTGAAGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU16035;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Bacilli(0.8048),o:Lactobacillales(0.4280),f:Lactobacillaceae(0.2524),g:Lactobacillus(0.0712);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGCAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTCACTGGCATTAATTTGACGGTACTCAACCAGGAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTACTACCTAGGTGGCCAGCGTTGTCCGGATGTATTGGGCGTAACGCGCGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCCTCGGCTTAAGCGAGGAAGTGCATCGGAAACTGTTTTGCTTGAGTGCAGAAGAGGGGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACAGTAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU16037;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9834),o:"Bacteroidales"(0.9866),f:"Prevotellaceae"(0.9868),g:Prevotella(0.9566);

ACGGGAGGCAGCAGTGAGGAATATTTTTCCCTTTCCTTTAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGGTAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCAGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTTATAAGCGGGTTGTGACATGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGTGAGACTTGAGTGCGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU16033;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Clostridiaceae_1(0.5632),g:Clostridium_sensu_stricto(0.2607);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGAAAATAATGACGGTACCCGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGTGGACTTTTAAGTGGGATGTGAAATCCCGGGGCTCAACTTAGGTGGTGCATTTCAAACTGGATGTCTAGAGTGCAGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGGTTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU16036;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Bacilli(0.6730),o:Lactobacillales(0.3959),f:Lactobacillaceae(0.1872),g:Lactobacillus(0.0519);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGGAGCAGTAACTGGTTTCTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGTGTAAAGGGTGAGTAGGCGGGCTGACAAGTCAGATGTGAAATGTTCGGGCTTAACCTGAGAACTGCATTCGAAACTGCCAGTCTTGAGTGCGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU16038;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Ruminococcaceae(0.3884),g:Ruminococcus(0.0904);
ACGGAAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGTCTTCGGATGGTAAAGTTCTTTTATTAAGGACGAAGAAGTGACGGTACTTAATGAATAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCAGAGCAAGTCAGATGTGAAATCCGTGGGCTTAACCCACGAACTGGATTTGAAACTGTTTTGCTTGTGTGAAGTAGAGGCAGGCGGAATTCCCTGTGTAGCGGTGAAAAGCGTAGAGATAGGGAGGAACACCAGTAGCGAAGGCGGCCTCAAGAGATTTAACTGACGCTGAGGCACAAAGACGTGGGTAGCAAACAGGAGTTGATACCCTGGGA
>OTU16039;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9918),o:Lactobacillales(0.9753),f:Lactobacillaceae(0.9480),g:Lactobacillus(0.7643);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTAGAGAAGAACGTGCGTGAGAGCAACTGTTCACGCAGTGACGGTATCTAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTTGATAATTCTGACGTGAAAGCCTTTGGCTTAAACAAAAAAGTGCTACGGAAACTGTAAGCATTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGAGGTGGCAGGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACGCTGGTA
>OTU16040;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Peptostreptococcaceae(0.1291),g:Sporacetigenium(0.0204);
ATGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGAAAGCCTGACCCAGCGACGCCGCGTGAGGGAAGAAGGTCTTCGGATTGTAAGCCTTAGTCAACAGGGAAGACGAAAGTGACGGTACCTGTGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGAGGTGAAAGGCTACGGCTCAACCGTAGTAAGCCTTTGAAACTGGGAAACTTGAGTGCAGGAGAGGAGAGTGGAATTCCGAGTTTAGCGGTGAAATGCGTAAATATTAGGAGGAGCACCGGGAACGAAGGCGGCTCTCAAGACTGTGACTGAGACTGAGGCACGAAAGCGGGGGGAGCAGAGAGGATTAGATACCCTGGTA

>OTU16041;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Ruminococcaceae(0.1485),g:Clostridium_III(0.0157);
ACGGAAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGTAAACTTCTTTTACCAGGGACGAAGGACGTGACGGTACCTGGAGAAAAAGCAACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTTGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGTCGTGGAGGCGGAGATGCAAGTCAGGAGTGAAATCCCGGGGCTCAACCGCGGAACTGCGTTGAAACTGTATCCCTTGAGTGTCGGAGTGGCAAGCTGAATTCCTAGTGTAGCGGTGAATTGCGTAGATATTAGGAGGAAGACGAGTGGCGAAGGCGGCTTGCTGGACGATAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGAGTAGATACCCTGGTA
>OTU16042;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9900),c:Gammaproteobacteria(0.9726),o:"Enterobacteriales"(0.7623),f:Enterobacteriaceae(0.5632),g:Escherichia/Shigella(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGCCCAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTGCTCATTGACGTTACCCGCAGAAGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGCAATACGGCGGGTGCAAGCGTGAATCGGAGTTACTGGGCGTAAAGCGCACGCAGGCGGTTTGTTAAGTCAGGTGTGAAATCTCGGGGCTCAACCTTGAAACTGCATCTGATACTGGCTAGCTTGAGTGTAGTGGAGGGAGGTGGAATTCGAGGTGTAGCGGTGAAATGCGTAGAGATCAGGAGGAATACCGGTGGCGAAGGCGGCCCGCTGGACGGAGACTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU16043;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Bacilli(0.9791),o:Lactobacillales(0.9497),f:Lactobacillaceae(0.9015),g:Lactobacillus(0.6681);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTCTTCGGATCGTAAAACTCTGTTGTTAGAGAAGAACACGAGTGAGAGTAACTGTTCATTCGATGACGGTATCTAACCAGCAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGGGAACGCAGGCGGTCTTTTAAGTCTGATGTGAAAGCCTTCGGAGTAACCGGAGTAGTGCATTGGAGACTGGAGGACTTGAATACAGAAGAGAGGAGTGGAACTACAGGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCAGTAACTGACGCTGAGGTTCAAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA
>OTU16044;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Bacilli(0.6730),o:Lactobacillales(0.3959),f:Lactobacillaceae(0.2184),g:Lactobacillus(0.0615);
ACGGAAGGCAGCAGTGGGGAATATTGGACAATGGACCAAAAGTCTGATCCAGCAATTCTGTGTGCACGATGAAGTTTTTCGGAATGTAAAGTGCTTTCAGTTGGGACGAAGTAAGTGACGGTACCAACAGAAGAAGGGACGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGTCGCGAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCACAGGCGGTTTGATAAGTCTGATGTGAAAGCCTTTGGCTTAACCAAAGAAGTGCATCGGAAACTGTCAGACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU16047;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9604),o:Clostridiales(0.8629),f:Clostridiaceae_1(0.4563),g:Clostridium_sensu_stricto(0.2607);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGTCGCGTGAGTGATGAAGGTTTTCGGATCGTAAAGCTCCGTCTTTGGGGAAGATAATGACAGTACCCAAGGAGGAAGCCACGGATCACTACGTGCAAGCAGCCGTGGTAATATGTAGGTGGCGAGCGTTATCCGGATTTACCGGGCGTAAAGGGAGTGTTGGCGGATGATTAAGTGGGATGTGAAATGCCCGGGCTCAACTTGGGTACTGCATTCCAAACTGGTTAGCTAGAGTGCGGGGGAAGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGCAGAGATTAGGAAGAACACCGGTGGCGAAGGCGGCCCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU16045;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Clostridiaceae_1(0.3544),g:Clostridium_sensu_stricto(0.0904);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCAGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGTTTGTCAAGTCGAATGTGAAATACCGGGGCTCAACCACGGGGATGCATTCGAAACTGGCAGACTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGCTTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU16046;tax=d:Bacteria(1.0000),p:Firmicutes(0.8448),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Ruminococcaceae(0.1485),g:Clostridium_IV(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCTTTCGGGTTGTAAACTTCTTTTAAGAGGGAAGAGCAGAAGACGGTACCTCTAGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATGTACTGGGTGTAAAGGGCGTGCAGCCGGGTCTGCAAGTCAGATGTGAAATCCATGGGCTCAACCCATGAACTGCAGTTGAAACTGTGGATCTTGATTTTCGGAGGGGCAATCGGAATTCCTAGTGTAGCGGTGAATTTCGTTGATATTAGGAGGAACACCAGTGACGAAGTCGGACTGCTGGACGATAACTGGCGGTGTGGATCGAAGGTGTGGTGAACAAACAGTATTAGATACCCTAGTA
>OTU16051;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Bacilli(0.9711),o:Lactobacillales(0.8520),f:Lactobacillaceae(0.5632),g:Lactobacillus(0.2607);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTAGAGAAGAACGTTCGTGAGAGCAACTGTTCACGCAGTGACGGTATCTAACCAGAAAGTCACGTCTAAATCCGTGCCAGCAGCCGCGGTAATACGTCGGTGGCAAGCCTTGTCCGGATTTATTTGGCGTAAAGCGAGTGCAGGCGGTTCAATAAGTCTGATGGGAAAGCATGCGGCTCAACGGGAGAAGTGCATCAGAAACTGGTGGACTTGAGTGCAGAAGAGGAGAGTGGAAGTCGATGTGTAGCGGTGGAATGCGTAGATATAGGGAAGAACACCAGTGGCGAAGGCAGCTCTCTGGGCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU16049;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Peptostreptococcaceae(0.0560),g:Clostridium_XI(0.0134);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAATGCCGCGTGAGCGATGAAGGCCTTAGGGTCGGAAAGCTCTGTCCTCAAGGAAGATATTGACGGTACTCGAGGAGGAATCCACGTCTACCTACGTGACAGCAGCCGCGGTAATACGTCGGGGGCTAGGGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCCGAGGTTAAAGGCTACGGCTCAACCGGAGTAAGCCTTGGAAACTGGGAGACTTGAGTGCAGGCGAGGAAAGTGGAATTACTAGTGTAGCGGTGAAATGCATAGATATTAGGAAGAACACCAGTGGCGAAGGCGATTCGCTGGGCTGTAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU16052;tax=d:Bacteria(1.0000),p:Firmicutes(0.9769),c:Bacilli(0.9038),o:Lactobacillales(0.7252),f:Lactobacillaceae(0.4563),g:Lactobacillus(0.2607);

ACGGGAGGCAGCAGTGGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTAAAGAAGGATCGAGGCAGTAACTGGTCTTTATTTGACGGTAATCAACAAGAAAGTCACGGCTAACTCCGTGCCCCCAGCTGCGGCAATACGTAGGAGGCTAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAATGATAAGTCAGATGTGAAAGCCCGCGGCTCAACCGTGGAACTGCATTGGATACTGTATTTCTTGAGTGCAGGAGAGGAGGGCGGAACTCGAGGTGTAGCGGTGAAATGCGTAGATATAAGGAAGAACACCGGTGGCGAAGGCGGCTCTCTGGGCTGCAACTGACGCTGAGGCTCGAAAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU16048;tax=d:Bacteria(1.0000),p:Firmicutes(0.9638),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Ruminococcaceae(0.2864),g:Gemmiger(0.0712);

ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGAGGAAGAAGGTTTTCGGATTGTAAACTCCTGTCGTTAGGGACGATAATGACGGTACCTAACAAGAAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGGATAGCAAGTCAGCTGTGAAAACTATGGGCTCAACCCATAAACTGCAGTTGAAACTGTTAGTCTTGAGTGGAGTAGAGGCAAGCGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTGGCGACGGCGACTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU16050;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9441),c:"Bacteroidia"(0.6346),o:"Bacteroidales"(0.3639),f:"Prevotellaceae"(0.1098),g:Prevotella(0.0181);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGCGTGAGGGAAGACTGCCCTACGGGTTGTAAACCTCTTTTGTTTGGGAATAATGTGCGGGACGCGTCCCGCATTGCATGTACCATTTGAATAAGGACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGTGGGTTAAGCGAGTCGTGAAATTGCGTGGCTCAACGGCGGACGTGCGGCTCGAACTGGTCCGCTTGAGTACGAGGGGCGTTGGCGGAATTCGTGGTGTAGCGGTGAAATGCATAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTGGCGATAGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU16053;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.5174),c:"Bacteroidia"(0.2902),o:"Bacteroidales"(0.1249),f:"Prevotellaceae"(0.0457),g:Prevotella(0.0110);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGACGCGTGCATGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGGGAAGAAGGGTAGAGGCAGTAACTGGTCTTGATTGGACGGTAATCAACAAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGCAATACGGAGGAGCCGAACGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTGTTAAGCGTGTTGTGAAATGTCGGCGCTCAACCTGGGAACTGCAGCGCGAACTGGTAGTCTTGAGTGCGTTGGATGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGTGAAGGCAGCCTGCTGTGGCGTAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU16054;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9988),c:Deltaproteobacteria(0.9762),o:Desulfovibrionales(0.9389),f:Desulfovibrionaceae(0.8146),g:Desulfovibrio(0.6200);

ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGTCTTCGGATCGTAAACCTCTGTCAGAAGGGAAGAAACTAGGGTTCTCTAATCATCATCCTACTGACGGTACCTTCAAAGGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGGTAATAGGAATCACTGGGCGTAAAGCGCACGTAGGCTGTTATGTAAGTCTTGGGTGCAAGCCCACGGCTCAGCCGTGGAACTGCCCTTGCTACTTCACGACTCTATTCCGTGAGAGGGTGGCGGAATTCCAGGTTTCGGAGTGAAATCCGTAGATATCTGGAGGAACATCAGTTGCGAAGGCGGCCACCTGGCCCGGTATTTACGCTGAGGTGCGAAAGCGTGGTGAGCAAACAGGATTAGATACCCTGGTA

>OTU16056;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9877),o:"Bacteroidales"(0.9940),f:"Prevotellaceae"(0.9480),g:Prevotella(0.6681);

ACGGAAGGAAGAAGGGAGGAATCTTGGTCAATTTCCTTGCTTCTTCACCCTCCACGTATCGTGCAGGACGACGGCCCTATGGGTTGTCAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTTATAAGCGTGTTGTGAAATGTCGGGGCTCACCCTGGGCATTGCAGCGCGAACTGTGAGACTTGAGTGCGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAGGGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACAATGGTA

>OTU16055;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.8448),c:Epsilonproteobacteria(0.6346),o:Campylobacterales(0.3639),f:Campylobacteraceae(0.1098),g:Campylobacter(0.0204);

ACGGGAGGCAGCAGTAGGGAATATTGCTCAATGGGCGGAAGCCTGAAGCAGCAACGCCGCGTGGAGGATGACACTTTTCGGAGCGTAAACTCCTTTTCTTAGGGAAGAAATTTGACGGTACCTAAGGAATAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTACTCGGAATCACTGGGCGTAAAGGGTGCGTAGGTGGCAGTGCAAGTCAGATGTGAAAGGCCGGGGCTCAACCCCGGAGCTGCATTTGAAACTGCATAGCTAGAGTACAGGAGAGGCAGGCGGAATAAGTTAAGTAGCGGTGAAATGCTTAGATATAACTTAGAACTCCGATAGCGAAGGCAGCTTACCAGACTGTGACTGACGCTGAAGCACGAGAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU16057;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9441),c:"Bacteroidia"(0.7881),o:"Bacteroidales"(0.5023),f:Bacteroidaceae(0.1679),g:Bacteroides(0.0423);

ACGGGAGGCAGCAGTGAGGAATATTGTTCAATGGCCGTAAGGCTGAACCAGCCAAGTAGCGTGAAGGATGACCGCCCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCACCTACGTGTAGGTTTTTGTATGTACTTTATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGTGAGCGTTATCCGGATTTATTGGGTGTAAAGGGAGCGCAGAAGGGATGTTAAGTCAGATGTGAAATGCCGCGGCTCAACCGTGGAACTGCAGTTGATACTGGCGGCCTTGAGTGCGGTAGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACCCCAATGGCGAAGGCAGCTTGCTAATCCGTTACTGACGTTGATGCGCGAAGGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU16058;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9966),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.3959),f:"Porphyromonadaceae"(0.2184),g:Barnesiella(0.0204);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGGAGCCTGAACCAGCCAAGTCGCGTGAGGGATGACGGCCCTATGGGTTGTAAACCTCTTTTGCCGGGGAGCAAAGTGCCGCACGTGTGCGGTTTGGAGAGTACCCGGAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGATTTTTAAGTCAGCGGTCAAATCGTGGGACTCAACCCCATCCAGACGTTGAAACTGGGGATCTAGAGTGTGCGAGAGGTATGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACTCCGATTGCGAAGGCAGCATGCCGGCTTCCGACTGACGCTGAAGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU16061;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:"Bacteroidia"(0.6346),o:"Bacteroidales"(0.3639),f:"Prevotellaceae"(0.0904),g:Prevotella(0.0181);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGCGTGAGGGAAGACTGCCTTACGGGTTGTAAACCTCTTTTGTTTGGGAATAAAGTGCGGGACGCGTCCCGTCTCGCATGTACCATTTGTATAAGGACCGGCTAATTTCGTGCCAGCAGCCGCGGTAATACGGAAGGTACGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCGGTGGGTTAAGCGTGTCGTGAAAGTCCGTCGCTCAACGGCAGACGTGCGGCGCAAACTGGTCCACTTGAGTGCACGAGACGTTGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTGACGGTAGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU16059;tax=d:Bacteria(1.0000),p:Firmicutes(0.9966),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachnospiraceae(0.4914),g:Dorea(0.2171);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATGCAGCGAGGCCGCGGGAAGGATGAGGTATTTGGGTAGTTAAACTTCTATCAGCAGGGAAGAAAATGACGGAACCTGACTAAGAAGCCCCGGCTAACTACGGGCAAGCACCCGCGGTAATACTTAGGGGGCAAGCGTTATCCGGATTTACGGGGTGTAAAGGGAGCGTAGACGGCTTTGCAAGCCAGATGTGAAAGCCCGGGGCTCAACCCCGGGACTGCATTTGGAACTGTAATGCTAGAGTGTCGGAGAGGCAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGATAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU16062;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9474),c:"Bacteroidia"(0.7114),o:"Bacteroidales"(0.4280),f:"Prevotellaceae"(0.1679),g:Alloprevotella(0.0157);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAATCAGCCAAGTAGCGTGCAGGAAGACGGCCCTATGGGTTGTAAACTGCTTTTAGGCGGGGGGAAAGGGGCGAACGCGCTGCGCGTGGGCAAGTACAGCCAGAAAAAGGAACGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGGTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGCTGTTAAGTCAGCTGTGAAATCCGGCTGCTCAACCGTCGGCCTGCAGTTTATACTTGTGGCCTTGAGTGCGCGCAGGGGCGTTGGAATTCATGGTGTAGCGGTGAAATGCTCAGATATCATGATGAACTCCGATCGCGAAGGCAGATGCCCGGAGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU16060;tax=d:Bacteria(1.0000),p:Firmicutes(0.5174),c:Clostridia(0.2902),o:Clostridiales(0.1249),f:Lachnospiraceae(0.0457),g:Roseburia(0.0110);

ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGGGCGAAGAAGTATTTCGGTATGTAAAGCCCTATCAGCAGGGAAGAAGAAATGACGGTACCTGAGTAAGAAGCACCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGAGGCACAAGTCAGCGGTAAAATCGCGGGGCTCAACCCCGCTCCGCCGTTGAAACTGTGTCCCTTGAGTGCGCGAAGGGTAGGCGGAATGCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTTACTGGACTGTAACTGACGCTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU16063;tax=d:Bacteria(0.2022),p:Firmicutes(0.0319),c:Bacilli(0.0102),o:Bacillales(0.0074),f:Bacillaceae_1(0.0022),g:Bacillus(0.0021);

GTGCCAGCCGCCGCGGTAAGACGAGAGGGGCGAGCGTTATCCGGAATAATTGGGCGTAAAGGGTCCGTAGGTTGTATTTTGTATGCTTTTAGTATAAAACAAAAATTTAATTTTTGACCTGCTTAAAGTGCAGATATACTTGAGTATAGCAGAGGATAATAGAATTCCATGTGGAGGGGTGGAATCCTAAGATATATGGAGGAATGCCAGTAGCGAAAGCGATTATCTGGGCTATTACTGACACTGAGGGACGAAAGCGTAGGTAGCAAACAGGATTAGATACCCTGGTAGTCTACGCTGTCAATGCTGAGTGCTAATATTTAGAATAATTGTTTTAGATATACAGTTAACACGTTAAGCACTCCGCCTGAGGAGTACGGCCGCAAGGCTAAAACTTAAATGAATTGGCGGGG

>OTU16064;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.9389),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);

ACGGAAGGCAGCAGCGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGCATACCCGTTTGCATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGGAGTCAAGTGAGGTGTGAAAAGCCGCGGCCCAACCGTGGTCGTGCAGTTGAAACTGGTTCTCTTGAGTGCGCACGAGGACGGTGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTAAGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU16065;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9572),c:"Bacteroidia"(0.8048),o:"Bacteroidales"(0.5395),f:"Prevotellaceae"(0.2184),g:Alloprevotella(0.0326);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTACGGGTTGTAAACTGCGTTTAGGCGGGGGTAAAGTGGCGCACGCGCTGCGCCTTTGCAAGTACCGCCAGAAAAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGCTGTTAAGTCAGGTGTGAAAGCCGGGGGCTCAACGGTCGGCCGGCAGGTGATACGGGTGGGCTTGAGTGCGCGCAGGGGCGTTGGAATTCATGGTGTAGCGGTGAAATGCTCAGATAGCATGAAGAACTCCGATCGCGAAGGCAGATGCCCGGGGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU16067;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Bacilli(0.9719),o:Lactobacillales(0.7623),f:Lactobacillaceae(0.4914),g:Lactobacillus(0.2171);

CCGGGAGGCAGCAGTAGTGCCTCTTCCCCCATTTGCTCCAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTAGAGAAGAACGTGCGTGAGAGCAACTGTTCACGCAGTGCCGGTATCTAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAACGCAGGCGGTCTTTGAAGTCTGATGTGAAAGCCTGCGGCTTAACCGGAGTAGTGCATTGGAAACTGGAAGACTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGTAACTGACGCTGAGGTTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU16066;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.8988),c:Alphaproteobacteria(0.7497),o:Sphingomonadales(0.2679),f:Sphingomonadaceae(0.1291),g:Sphingobium(0.0230);

GTGCCAGCAGCCGCGGTAATACGGAGGGGGCTAGCGTTGTTCGGAATGACTGGGCGTAAAGGGCGCGTAGGCGGATCGTCAAGTCAGAGGTGAATGCCCCGGGCTCAACCCGGGAGGTGCCTTTGAAACTGGCGGTCTTGAGTACGGGAGAGGTGAGCGGAATTCCCAGTGTAGAGGTGAAATTCGTAGATATTGGGAAGAACACCAGTGGCGCAGGCGGCTCACTGGCCCGTAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTAGTCCACACCGTAAACGATGATAACTAGCTGTCCGGGTTCTTGGAATTTGGGTGGCGCAGCTAACGCATTAAGTTATCCGCCTGGGGAGTACGGTCGCAAGATTAAAACTTAAAGGAATTGACGGGG

>OTU16068;tax=d:Bacteria(1.0000),p:Firmicutes(0.9441),c:Clostridia(0.8189),o:Clostridiales(0.5766),f:Lachnospiraceae(0.1098),g:Fusicatenibacter(0.0204);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTATTTCGGTAGGTAAAGCTCTATCAGCAGGGAAGAAGAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCATGGCAAGTCTGATGTGAAAACCCAGGGCGCAACCGTGGGACGGCATTGGAAACTTGCAAGCTGGAGTACTGGAGAGGTGGGCGGACCTACAAGTGTGGAGGTGAAATTCGTAGATATTTGTAGGAATGCCGATGGGGAAGCCAGCCACTTGGACAGTTACTGCCCCTAAGGCGCGAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU16069;tax=d:Bacteria(1.0000),p:Firmicutes(0.4311),c:Bacilli(0.2321),o:Lactobacillales(0.1015),f:Lactobacillaceae(0.0355),g:Lactobacillus(0.0087);
ACGGAAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGTCTTCGGATCGTAAACCTCTGTCAGAAGGGAAGAAACTAGGGTGCTCTAATCATCATCCCACTGACGGTACCTTCAAAGGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCCGGCGGAATGATAAGTGGGAGGGGAAAGCCCACGGCTCACCCGTGGAACTGCATCGGAGACTGTCAGTCTTGAGTGCAGGAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAAGGAGTAGAGATATGGAAGAACACCAGGGGCGAGGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACGCTGGTA
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>OTU16071;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9903),o:Lactobacillales(0.9389),f:Lactobacillaceae(0.8864),g:Lactobacillus(0.7643);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTAGTTGCCGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCATCCGCCGCGATAATACGTATGTGGCAAGCGTTGTGCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAACAAGTCTAATGTGAAAGCCCACGGCTTAACCGAGGAACTGCATCGGAAACTGTAGTTCTTGAGTGGAGTAGAGGAGAGTGGAATTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTTTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU16073;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Lachnospiraceae(0.1485),g:Dorea(0.0230);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGCAAGCCTGATCCAGCGACGTCGCGTGAAGGATGACGGACCTCGGTATGTAAACTTCCATTAGTAGGGAAGAAAATGACGGTACCTGACTCAGAAGCCCCGGCCCACTACGATCCAGCAGCCGCGGTTATACGCAGGCAGCAAGCGTAATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTTTGCAAGCCAGATGTGAAAGCCCGGGGCTCAACGCCGGAACTGCGTTGGGAACTGTAATGCTAGAGTGACGGAGAGGCGAG

TGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGTCTTACTGGACGAT
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nococcaceae(0.2864),g:Ruminococcus(0.0808);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCTAAGAAGTA
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GCGGAATTCCTAGGGTGGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACG
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>OTU16074;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Lach
nospiraceae(0.2524),g:Oribacterium(0.0615);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGAGGAAACTCCGATGTAGCGACGCCGCGTGAGTGAAGAAGTA
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AGTTTGAAGTGAAATACCTGGGCTTAACCCGGGAACTGCTTTGAAAACGGTCGATTTAGAGTGTCGGGGAGGTAGGT
GGAATTCCTGGTGTAGTGGTGAAATGCGTAGAAACCGGGAGGAACACCGAAGGCGAAGGCGGCTTACTGGACGAT
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>OTU16076;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.
6881),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0615);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATAGGCGAGAGCCTGAACCAGACAAGTAGCGTGCAGGATGACGGC
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GCGCAGGCCGCCGGGCAAGCGTGTTGTGAAATGCAGGCGCTCAACGTCTGCACGGCAGCGCGAACTGCCCAGCTTG
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acillaceae(0.7428),g:Lactobacillus(0.4787);
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5023),f:"Porphyromonadaceae"(0.2184),g:Parabacteroides(0.0326);
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crobiales(0.0000),f:Verrucomicrobiaceae(0.0000),g:Luteolibacter(0.0000);
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AGTAGGCGGAAACCGCACAAGCGCAAGAGTAAACATAGTGCCATGCTCAGGAACAAAGAAACGCGGCACAGAATGT
TTATAGGTCTGTTGAACACGACCAGAAAACTGGCCTAACGACGTTTGGTCAGTTCCATCAACATCATAGCCAGATGCC
CAGAGATTAGAGCGCATGAAAAGTAAAGGACGGTTGTCAGCGTCATAAGAGGTTTTACCTCCAAATGAAGAAAGAA
CATCATGGTAACGCTGCATGAAGGAATCACGTGCTTGGTCAGTATGCAAATTAGCAGAAGCAGCTTGCAGACCCAGA
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>OTU16132;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Rumi
nococcaceae(0.1872),g:Ruminococcus(0.0519);
ACGGGAGGCAGCAGTAGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGAAGCCGCGTGAGCGAAGAAGTA
TTTAGGTATGTAAAGCTCTATCAGCAGGGAAGAAGAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTAAGTGC
GAGCAGCCGAGGTAGTACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCATGG
CAAGTCTGATGTGAAAACTCAGGGCTCAACTCTTGGACTGCATCGGAAACTGTCAAGCTGGAGTGTCGGAGAGGTAA
GCGGAATTCCTAGTGTAGCGGTGAAATGCTTAGATATTACGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGTT
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7995),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0808);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACTGC
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GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGAAGGCCGGGGGTTAAGCGTGACGTGAAATGTAGCCGCTCAACGGCTGACCTGCGGCGCGAACTGGTTCTCTT

GAGTAAGTTCGATGTTGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAG
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>OTU16129;tax=d:Bacteria(1.0000),p:Firmicutes(0.9990),c:Bacilli(0.9820),o:Lactobacillales(0.8520),f:Lactob
acillaceae(0.6350),g:Lactobacillus(0.2607);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATTGGTGCAATCCTGATGGAGCACCTCTGCGTTCCTGTAGCATGGTT
TCGTCTTGTAACGCTCTCTTCTTTAAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGTTATCCACCCAGAA
AGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAATCGTTATCCGGATTTATTGGGCGTAAAG
CGAGCGCAGGCGGTTGCTTAGGTCTGATGTGAAAGCCTTGGGCTTAACCGAAGAAGTGCATCGGAAACCGGGCGAC
TTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATAGGGAAGAACACAAGAGGG
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>OTU16133;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9900),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.
8520),f:"Prevotellaceae"(0.5632),g:Prevotella(0.3479);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCACGCAGCGTGCAGGATGACGGC
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ACCGGCTAATTCAGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGCCGGAGATCAAGCGTGATGTGAAATGTAGATGCTCAACATCTGCACTGCAGCGCGAACTGGATTCCTTGA
GTACGCGCAAGGTGAGCGGAATTCGTGGTGTAGCGGTGAAATGCGTAGATATCACGAAGAACACCGGTTGCGAAGG
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>OTU16134;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9755),o:"Entero
bacteriales"(0.8629),f:Enterobacteriaceae(0.7428),g:Escherichia/Shigella(0.3479);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGC
CTTCGGGTTGTAAAATACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTACCCATTGACGTTACCCGCAGA
AGAAGCACCGGCTAACGCCGTGCCAGCAGCCGCGGTCATACGGAGGGTGCAAGCGTGAATCAGAATTACTGGGCGT
AAAGCGCACGCAGGCGGTTTGTTAAGTCAGAGGTGAAACCCCAGGGCTCAACCTGGGAACTGCATCTGATACTGGAT
AGCTTTAGTCTCGTAGAGGGGGGTAGAATTCCAGGTGTAGCAGTGAAATGCGTAGAGATCTGGAGGAATACCGGTG
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7252),f:"Prevotellaceae"(0.3544),g:Prevotella(0.0423);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGC
CCTATGGGTTGTAAACTGCTTTTATACGGGGATAAAGTGCGGCACGTGTGCCTGTTTGTAGGTACCGTATGAATAAG
GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCAGGCGTTATCCGGATTTATTGGGTTTAAAGGG

AGCGTAGGCCGAAGGTTAAGCGTGAGGTGAAATGTAGGCGCTCAACGGCTGCACTGCGTCGCAAACTGGCTATCTT
GAGTGAGCTCAAGGTTGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAA
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>OTU16137;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9604),o:"Bacteroidales"(0.
8629),f:"Prevotellaceae"(0.5991),g:Prevotella(0.1735);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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GACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGTAGGCCGGAGATTAAGCGTGTAGTGAAAAGTAGGTGGTCGACATCTGCACTGCAGCGCGAACTGGTCTCCTTA
AGTACGCACAAAGTGGGCGTAATTCGTGGTGTAGGGGTGAAATGCTTAGATATAACGAAGGACTCCGATTGCGAAG
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>OTU16136;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.5963),o:Clostridiales(0.3319),f:Euba
cteriaceae(0.0710),g:Eubacterium(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGGGCAACCCTGGCGCAGCAACGCCGCGTGATTGAAGAAGGC
CTTCGGGATGTAAAGCTCTTTAATCAGGGACGAATTTTTACGTTACTTGAAGAATAAGCTCCGGCTAACTACGTTCCA
GCAGCCGCGGTAATACGTAGGGAGCAACGGTTATCCGGATTTACTGGGTGTAAAGGGTGAGTAGGCGGGCTGGTAA
GTTGGTAGTGAAATCCCGGGGCGTAACCGCGGAAATGCTTTTAAAACTGCTGTGCTTGAGTGCTGGAGAGGTAGGC
GGAATTTCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCATGCTGGACGATG
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>OTU16140;tax=d:Bacteria(0.0024),p:Cyanobacteria/Chloroplast(0.0000),c:Chloroplast(0.0000),f:Chloropla
st(0.0000),g:Streptophyta(0.0000);
CTCCCTCCCCCCCCATCTTTCTCTACTTCCCAAGAAGCTGTTCCGAATCAGAATGAGCCGCAACTTCGGGATGAAAATG
CTCACAATGACAAATCTGTCCACGGAGTGCTTAATCCAACTTACCAAGCTGGGTTACGACGCGACGCCGTTCAACCAG
ATATTGAAGCAGAACGCAAAAAGAGAGATGAGATTGAGGCTGGGAAAAGTTACTGTAGCCGACGTTTTGGCGGCGC
AACCTGTGACGACAAATCTGATAAAATTTATGCGCGCTTCGATAAAAATGATTGGCGTAGCCAACCTGCAGAGTTGTA
TCGATGCAATGACGCAGAAGTTAACAATTTCGGATATTTCTGATGAGTCGAAAAATTATCTTGATAAAGAAGG
>OTU16138;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.7727),c:Fusobacteriia(0.4812),o:"Fusobacteriales"(0
.2359),f:"Fusobacteriaceae"(0.1098),g:Fusobacterium(0.0204);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGACCAAGAGTCTGATCCAGCAATTCTGTGTGCACGATGAAGTT
TTTCGGAATGTAAAGTGCTTTCAGTTGGGAAGAAAAAAATGACGGTACCAACAGAAGAAGTGACGGCTAAATACGT
GCCAGCAGCCGCGGTAATACGTATGTCACAAGCGTTATCCGGAGTTATTGGGCGTAAAGCGAGCGCAGGCGGTTACT
TAAGTCTGATGTGAAAGACTGCGGCTTAACCGAAGAACTGCATCGGAAACTGGTTTTCTTGACTGCAGAAGAGGTGG

GTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTG
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>OTU16141;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9572),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.
4652),f:"Prevotellaceae"(0.1679),g:Prevotella(0.0423);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGC
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ATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAAGATTCAAGCGTTATCCGGATTTATTGGGTTTAAAGGGG
GCGTAGGCGGTCTGATAAGTGAGATGTGAAATGTCGGGGCTCAACCTGGGAATTGCCGCGCGTACTGTTAGACTTGA
GTGCACATGAAGTAGGCGGAATCCATCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGG
CAGCCTACTGTAGCGCATCTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU16143;tax=d:Bacteria(0.0041),p:"Proteobacteria"(0.0000),c:Deltaproteobacteria(0.0000),o:Desulfovib
rionales(0.0000),f:Desulfomicrobiaceae(0.0000),g:Desulfomicrobium(0.0000);
ACTGTAGGCATGGGTGATGCTGGTATTAAATCTGCCCTTCAAGGCTCTCATGTTCCTAACCCTGATGAGGCCGTCCCTC
GTTTTGTTTCGGATGCTATGGCTAAAGCTGGTAAAGGACGTCTTGAAGGTTCGTTGCAGGCTGGCACTTCTGCCGTTT
CTGATGAGTAGCTTGATTTGGTTGCACTTGGTGGCAAGTCTGCCGCTGATAAAGGAAAGGATACTCGTGATTATCTTG
CTGCTGCATGTCCTGAGCTTAATGGTGGGGAGCGTGCTGGTGCTGATGCGTCCTCTGCTGGTATGGTTGGCGGCGGA
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>OTU16142;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Lach
nospiraceae(0.1872),g:Fusicatenibacter(0.0423);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
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CAGCAGCCGCGGAAATACGTAGGGGGCACGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCATGG
CAAGTCTGATGTGAAAACCCAGGGCTCAACCGTAGAACTGCAGTGGAAACTGGCAAGCTTGAGTGTCGGAGAGGTA
AGCGGAATTCCATGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACT
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4652),f:Bacteroidaceae(0.1098),g:Bacteroides(0.0204);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
CCTATGGGTTGTAAACTGCTTTTAGGCGGGGGTAAAGGGGCGGACGCGTTCCGCCTTTGCAAGTACCGCCAGAAAAA
GGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGG
GTGCGCAGGCGGATTTTTAAGTCAGCGGTCAAAGCGTGGGGCTCAACCCCATCCAGCCGTTGAAACTGGGGATCTAG

AGTGTGCGAGAGGTATGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAG
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>OTU16146;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9572),c:"Bacteroidia"(0.7114),o:"Bacteroidales"(0.
4280),f:"Porphyromonadaceae"(0.2184),g:Barnesiella(0.0230);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGT
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GGTGCGTAGGCGGATCGTTAAGTCAGTGGTCAAATTGAGGGGCTCAACCCCTTCCCGCCATTGAAACTGGCGATCTT
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(0.9941),f:Coriobacteriaceae(0.9890),g:Parvibacter(0.9085);
ATGGAAGGCAGCAGTGGGGTATTTTGCGCAATGGGGGAAACCCTGACGCAGCAACGCCGCGTGCGGGACGACGGC
CCTCGGGTTGTAAACCGCTTTCAGTGGGGACGATGGTGACGGTACCCACAGAAGAAGCCCCGGCTAACTACGTGCCA
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GCGGAACCTCTAATCCCGGGGCTCAACCTCGGGCCGGGTTCCGAACTGGGCGGCTCGAGTGCGGTAGAGGCAGGCG
GAATTCCCGGTGCAGCGGTAGAATGCGCAGATATCGGGAAGAACACCGATGGCGAAGGCAGCCTGCTGGGCCGTCA
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9172),f:"Porphyromonadaceae"(0.7428),g:Parabacteroides(0.4787);
ACGGCAGGCAGCAGTGAGGAATATTGGTCAATGGACGTGAGTCTGAACCAGCCAAGTCGCGTGAAGGAAGAAGGTT
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CGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGC
GTAGGTTGTTTTTTAAGTCAGCGGTGAAAGTGTGTGGCTCAACCATAAAATTGCCGTTGAAACTGGAAGACTTGAGT
GTGTTTGAGGTAGGCGGAATGCGGGGTGTAGCGGTGAAATGCATAGATATCACGCAGAACTCCGATTGCGAGGGCA
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3319),f:Bacteroidaceae(0.1679),g:Bacteroides(0.0423);
CCGGGAGGCAGCAGTGGTTCCTCTTGCCCAATTTGTTTAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATT
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AGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGCAGGTTAAGC
CAGTTGTGAAAGTTTGCGGCTCAACCGTAAAATTGCAGTTGATACTGGCCTGCTTGAGTGCGGCAGAGGCAGGCGGA

ATTTGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTTGCTGGAGCGTAACTG
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>OTU16147;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9168),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.
3319),f:"Porphyromonadaceae"(0.1679),g:Barnesiella(0.0204);
ACGGAGGCAGCAGTGAGGAATCTTTTTCCCTTGGCTGTCGCCTGAACCAGCCAAGCCGCGTGAGGGAAGAAGGTAC
AGCGTATCGTAAACCTCTATTGTCAGGGAACAAAGGCGGGGACTAGTCCCCGGATGAGGGTACCTGAAGAAAAAGC
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GCGCAGGCGGCCTGTTAAGTCAGCGGTAAAAGCCCGGGGCTCAACCCCGGCGAGCCGTTGAAACTGGCGGGCTGGA
GTTGGAGAGAAGTACGCGGAATGCGCGGTGTAGCGGTGAAATGCTTAAATATCGCGCAGAACCCCGATTGCGAAGG
CAGCGTACCGGCTCCACATTGACGCTGAGGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU16151;tax=d:Bacteria(0.0041),p:Firmicutes(0.0000),c:Clostridia(0.0000),o:Clostridiales(0.0000),f:Clost
ridiales_Incertae_Sedis_XI(0.0000),g:Peptoniphilus(0.0000);
GAAACAACCTGATTCGCGGCGTTGACAGATGTATCCGTCTGAATGCAATGAAGAAAACCACCATTACCAGCATTAACC
GTCAAACTATCAAAATATAACGTTGACGATGTAGCTTTAGGTGTCTGTAAAACAGGTGCCGAAGAAGCTGGAGTAAC
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>OTU16152;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9993),c:Fusobacteriia(0.9903),o:"Fusobacteriales"(0
.9937),f:"Fusobacteriaceae"(0.9916),g:Fusobacterium(0.3043);
ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGACCAAAAGTCTGATCCAGCAATTCTGTGTGCACGATGAAGTT
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GAACTACAAGTGTAGAGGTGAAATTCGTAGATATTTGTAGGAATGCCGATGGGGAAGCCAGCCCACTGGACAGATA
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>OTU16150;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.5579),o:Clostridiales(0.2999),f:Lach
nospiraceae(0.0710),g:Clostridium_XlVa(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGCGAAGAAGTA
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GTCAGCGGTGAAATACCGGGGCTCAACCCCGGGGCTGCCGTTGAAACCGGAGCGCTAGAATTCCGATGCCGTCGGA
GGAATGTGTGGTGTAGCGGTGAAATGCATAGATATCACACAGAACACCGATTGCGAAGGCAGCATACCGGCGCCCT
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>OTU16153;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.9389),f:"Prevotellaceae"(0.8864),g:Prevotella(0.4351);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTGATTGGGTTTAAAGGGAGCGTAGGCCGTCTTATAAGCGGGTTGTGAAATGTGGTGGCTCAACAAGGGCATTGCTGCGCGAACTGTGAGACTGTCGTGTGCGGGAAGTAGGCGGAATTCGGCGTGTAGCGGTGAAATGCTTAGATATGGCGAAGAAATCCGATTGCGAAGGCAGCTTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU16154;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.8755),o:"Bacteroidales"(0.7252),f:Bacteroidaceae(0.4224),g:Bacteroides(0.2171);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCCGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGCATACCCGTTTGCATTTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGAGGGATGTTTAAGTCAGGTATGAAAGTTTGCGGCTCAACCGTAAAATTGAAGTTGATAAGAGATAGGTTGAGTGCAGATTAGGCAGGCTGAATTCGTGGTGTCGCGGTGAAATGCTTAGGTAGCGCGCAGAACCCCGATTGCGAAGGCAGCGTACCGGCTCCACTCTGCCGCTGAGGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTG

>OTU16155;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9835),c:"Bacteroidia"(0.9038),o:"Bacteroidales"(0.7995),f:"Prevotellaceae"(0.4563),g:Prevotella(0.1735);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGAAGGAAGACTGCCCTATGGGTTGTAAACTTCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGACGGTCCAGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCGGACTTTTAAGTCAGCTGTTAAATTCGGGGGCTAAACCATCGCATGCAGTTGAAACTGGAGGTCTTGAGTGTACACAGGGATGCTGGAATTCATGGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACACCGATTGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU16156;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8897),o:"Bacteroidales"(0.7623),f:"Prevotellaceae"(0.3884),g:Alloprevotella(0.0808);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTCTGGGTTGTAAACTGCTTTTAGTCGGGAATAAAATGCGGCACGTGTGCCGCTTTGCATGTACCGTCAGAAAAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCAGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCGGACTTTTAAGTCAGCTGTGAAATCCGGCGGCTCAACCGTCGGCCTGCAGTTGATACTGGTGGCCTTGAGTGCGCGCAGGGGTGTTGGAATTCATGGTGTAGCGGTGAAATGCTCAGATATCATGAAGAACTCCGATCGCGAAGGCAGGCATCCGGGGTACAACTGACGCTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU16157;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9887),o:Lactobacillales(0.9172),f:Lactobacillaceae(0.8505),g:Lactobacillus(0.7162);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTCGCCGGTGAAGAAGGATAGAGGCAGTAACTGGTCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGTCAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAATGATACGTCTGATGTGAAAGCCCACGGCTCAACCGTGGTACTGCGTCGGAAACCTTCATTCTTGCGTGCAGCAGATGAGAGTGGACCTCCATGTGTGGCGGTGGAATGCGTAGATATATGGAAAAACGCCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATTGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU16158;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9704),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3319),f:"Porphyromonadaceae"(0.1485),g:Barnesiella(0.0110);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGTCGAGAGACTGAACCAGCCAAGTCGCGTGAGGGATGACGGGCCTACGGATTGTAAACCTCTGTTGCCGGGGAGCAAGCGTGCGTTTGTGAACGCGCGTCGAGAGTACCCGGAGAAAAAGCATAGGATAACTGCGTGCCAGTAGCCGAGGTAATACGGAGGAGGTGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGGATGCCAAGTCAGCGGTACAAATGCGGTGCTCAACGCCGTCGAGCCGTTGAAACTGGCGTTCTTGAGTGAGCGAGAAGTATGCGGAATGCGTGGTGTAGCGGTGAAATGCATAGATATCACGCAGACCTCCGATTGCGAAGGCAGCGTACCGGCGCCCCACTGACGCTGAAGCACGAAGGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU16159;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Lachnospiraceae(0.1098),g:Eisenbergiella(0.0181);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCTTGAAGGAAGACGGTTTTCGGATTGTAAACTTCTTTTCTTAGTGAAGAAGAAAGTGACGGTAGCTAAGGAATAAGCATCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGATGCGAGCGTTATCCGGAATTACTGGGTGTAAAGGGAGCGTAGGCGGCATGGCAAGTCTGATGTGAAAACCCAGGGCTCAACCGTGGGAGTGCATTGGAAACTGTCAAGCTGGAGTGTCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTTCTGGACTGTAACTGACACTGAGGCTCTAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU16139;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8614),o:"Bacteroidales"(0.6881),f:"Prevotellaceae"(0.2184),g:Prevotella(0.0615);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGCCCTATGGGTTGTAAACTTCTTTTATACGGGGATAAAGTGTTCCACGTGTGGCTTATTGCATGTACCGTATGGATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGTTTGTTAAGCGTGTTGTGAAAGGTTGGGGCTCAACCTGGGAATTGCAGTGGAAACTGGCAGACTTGAGTACACAAGAAGTAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGGAGCGTAACTGACACTGAAGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU16161;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Eubacteriaceae(0.2184),g:Eubacterium(0.0615);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGAAACTCTGATTCAGCGACGCCGCGTTAATGATTAAGTATTTCGGTATGTAAACTTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTGTGGCAAGTCTGATGTGAAAACCCAGGGCTCAACCGTGGGAGTGAATTGGAAACTGTAAAGCTGGAGTGTCGGAGAGGTAAGCGGAATTACTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGTCAACTGGACGATAACTGAAGCTGAGGCGCGAAAGCGTGGGGAGAAAACAGGATTAGATACAATGGTA

>OTU16160;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8331),o:Clostridiales(0.6138),f:Lachnospiraceae(0.2524),g:Ruminococcus2(0.0615);

ACGGGAGGCAGCAGTGGGGGACACTGCACAATGGGGGCAACCCTGATGCAGCGACGCCGCGTGAGCGATGGAGTACTTCGGTATGTAAAGCTCTGTCAGCAGGGAAGAGAATGACGGTACCTGACCAAGAAGCCCCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGGCGGCATGGCAAGTCTGATGTGAAAACCCAGGGCTCAACTCTGGGACTGCATTGGAAACTGTCAAGCTGGAGTGTCGGAGAAGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTACTGGACGGTGACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU16162;tax=d:Bacteria(1.0000),p:Firmicutes(0.9802),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Lachnospiraceae(0.3884),g:Roseburia(0.0808);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGGAACCCTGATGCAGCGACGCCGCGTGGGTGAAGAAGTATTTCGGTATGTAAAGCCCTATCAGCAGGGAAGAAAAATGACGGTACCTGACTAAGAAGCACCGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGGTGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGCAGGCGGCACGCTAAGCCTGATGTGAAAACCCGCGGCCCAACCGCGGGAGTGCATTGGGAACTGGCGGGCTGGAGTACCGGAGGGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCCTGCTGGACGGAGACTGACGCTGAGGCTCGGAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU16163;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6036),c:"Bacteroidia"(0.0626),o:"Bacteroidales"(0.0413),f:"Porphyromonadaceae"(0.0086),g:Coprobacter(0.0043);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGACGGAAGACGGCCCTATGGGTCTTAAACGTCTTTGGTCCCGGAGCAATAAGAGCCACGCGTGGCTCGATGAGAGTAAGGGAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGGGTGGTAAGTCAGCAGTGAAATGTCCACGCTCAACTTGGAACGTGCGTTTGATACTGCCGTCCTGGAATGCGGATGCCGTGGGAGGAATGTGTGGTGTAGCGGTGAAATGCATAGATATCACACAGTACTTCTATTTCGAACGCCTCTCACCAATCCCCACTTTCCGCCCCTGCACGACAGCCCGCCTATCCAGCAGGATTAGATACCCTGGTA

>OTU16164;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.8755),o:Clostridiales(0.7252),f:Lachnospiraceae(0.3544),g:Clostridium_XlVa(0.0904);

ACGGGAGGCAGCAGTGGTGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTATTTAGGTATGTAAACCTCCATCAGTAGGGAAGAAGAAGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGTAAGCGCTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGTTGATCAAGTCTGATGTGAAAGCCCGGGGCTCAACACCGGAACTGCATTGGGAACTGAACAGCTAGAGTGCAGGAGAGGAAAGTGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCAGCTTACTGGACTGTAACTGACGTTAAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU16166;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:"Bacteroidia"(0.2321),o:"Bacteroidales"(0.1015),f:"Porphyromonadaceae"(0.0355),g:Barnesiella(0.0087);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGCCCTACGGTTCGTAAACTTCTTTAGACGCAGAGCAATAAGGTCCACGTGTGGACCGATGAGAGTATGCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCGGCCGAGTAAGTTAGCGGTGAAAGACCTGGGCTCAACCCTGGAAGTGCCATTAATACTGTTTGGCTTGAGTGCTCGCGGCGCGAGAGGAATGAGTGGTGTAGCGGTGAAATGCATAGATATCACTAAGAACACCGATTGCGAAGGCAGCTCGCGAGAGAGCAATTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU16168;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9990),c:Fusobacteriia(0.9840),o:"Fusobacteriales"(0.9889),f:"Fusobacteriaceae"(0.9879),g:Fusobacterium(0.0904);

AAGGAAGGAAGCAGGGGGGAAGATGGGACAATGGACCAAGAGTCTGATCCAGCAATTCTGTGTGCACGATGAAGTTTTTCGGAATGTAAAGGGCTTTCAGGTGGGAAGAAGAAAGGGACGGTACCAACAGAAGAAGCGACGGCTAAATACGTGCCAGCAGCCGCGGTAATACGTATGTCGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGCGTCTAGGCGGCATAGTAAGTCTGATGTGAAAATGCGGGGCTCAACTCCGTATTGCGTTGGAAACTGCTATGCTAGAGTACTGGAGAGGTACGCGGAACTACAAGTGTAGAGGTGAAATTCGTAGATATTTCTCGGAATGCCGATGGGGCACCCACCTTACTCGACAGATACTGACGCTAAAGCGCGAAAGCGTGGGTAGCAAACAGGCTTAGCTACCCTGGTA

>OTU16165;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9168),c:"Bacteroidia"(0.4812),o:"Bacteroidales"(0.2359),f:"Porphyromonadaceae"(0.1098),g:Barnesiella(0.0181);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGAGGACGGTCCTACGGATTGTAAACCTCTTTTTTCGGGGAGTAACGTGCGGGACGGGTCCCGTATTGAGAGTACCCGAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGCGCGACAAGTCAGAGGTCAAATGTCTGGGCTCAACACGGTGTTGCCGTGGAAACTGGCGGGCTAGAGTGCGAGCGAGGAAGGCGGAATGAATCGTGTAGCGGTGAAATGCATAGATATGATGCAGAACACCGATTGCGAAGGCAGCTTGCGAGCGTGCGACTGACGCTGAGGCACGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA

>OTU16169;tax=d:Bacteria(1.0000),p:Firmicutes(0.9994),c:Clostridia(0.9784),o:Clostridiales(0.9707),f:Clostridiaceae_1(0.8146),g:Clostridium_sensu_stricto(0.5720);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACTCTGATGCAGCAACGCCGCGTGAGTGATGACGGCCTTCTGGTTGTAAAGCTCTTTTTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGTCCAGCTACGTGACAGCAGCCGCGGTTACATGTAGGTGGCCGGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAAGTGAGATGTGAAATACCCGGGCTCAACTTGGGTGCTGCAGTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAATGGAATTCGTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCGGTGGCGAAGGCGATTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU16167;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.7114),o:Clostridiales(0.4280),f:Ruminococcaceae(0.1872),g:Oscillibacter(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGCCTTCGGGTTGTAAACTTCTTTTAAGTGGGAAGAGCAGAAGACGGTACCTCTAGAATAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGCAGCCGGGTCTGCAAGTCAGACGGGAAATCCATGGGCTCAACCCATGAGCTGCATGTGAAACTGTAGATCTTGAGGGGCGGAGGGGCCAGCGGAATTCCTGGTGTGAGGGTGAAATGCGTAAGTATTAGGAGGAACACCAGTGGCGAAGGCGGATTGGAGGACGATAACTGACGGTGAGGCGCGAAAGTGTGGGGAGCGAACAGGATTAGATACCCTGGTA
>OTU16170;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9726),o:"Bacteroidales"(0.8955),f:"Prevotellaceae"(0.7428),g:Prevotella(0.3915);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGGAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGGCTTATAAGCGTGTTGTGAAATGGCGGGGCTCAACCTGGGCATTGGAGCGCGAACGGTGAGGCTTTGGTGCGCAGGAAGGAGGCGGAAATCGGTGTTGAGCGGTGAAATGCTTAGGTATGACGAAGAACTCCGATTGGGAAGGCAGCCTGCTGTGGCGCAACTGAAGCCGAAGCTCGGAAGCGTGGGTATCGAACCGGGTTTGATACCCTAGTA
>OTU16172;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9987),c:Deltaproteobacteria(0.9726),o:Desulfovibrionales(0.8955),f:Desulfovibrionaceae(0.7068),g:Desulfovibrio(0.4787);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGCGAAAGCCTGACGCAGCGACGCCGCGTGAGTGATGAAGGTCTTCGGATCGTAAACCTCTGTCAGTAAGGAAGAAACTAGGGTGCTCTAATCATCATCCTATTGACGGCACCTTCACAGGAAGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATCACTGGGCGTAAAGCGCACGTAGGCTGTTATGTAAGTCAGGAGTGAAATCCCACGGCTCAACCGTGGAACTGCCCTTAAAACTGCTCAACTAGAATCCGAGAGAGGATGGAGGAATTCCAGGTGTAGGAGTGAAATCCGTAGATATTTGGAGGAACATCAGTGGCGAAGGCGGCCACCTGGTTCAATATTGACGCTGAGGTGCGAAGGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU16173;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9993),c:"Bacteroidia"(0.9776),o:"Bacteroidales"(0.9685),f:"Prevotellaceae"(0.8505),g:Prevotella(0.7643);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACTGCCCTATGGGTTGTAAACTGCTTTTATAATGGAATAAAGTTAGCCTCGTGAGGCTTTTTGCATGTACCTTATGAATAAGGATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGGAGATTAAGCCTGTAGTGAAAGTTAGATGCTCAACGTCTACACTGCAGCGCGAACTGGGTTCCTTGAGTACGCACAAAGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGAGTGAAACTGACGCTGAAGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU16174;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:"Bacteroidia"(0.2321),o:"Bacteroidales"(0.1015),f:Bacteroidaceae(0.0252),g:Bacteroides(0.0076);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGAAGGACTAAGGTCCTATGGGTCGTAAACTTCTTTAAACGCAGAGCTATTAGGGGTACGTGTGATCCGATGACCGTATGAGTAGATTAAGGATCGGCTAACTCTGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGATGCGCAAGTCAGAGGTGAAATCCCCGGGCTCAACGCGGGAGTTGCAGTTGATACTGTCAGTCTAGAGTGCGAGTGCGGTTGGAGGAATTAGTAGTGTAGCGGTGAAATGCGTAGATATTACGAAGAACACCGATTGCGAAGGCAGCTCACGGGGGGGCGATTGACGCTGAGGCACGAAAGCGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU16171;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7727),c:"Bacteroidia"(0.1740),o:"Bacteroidales"(0.0781),f:"Prevotellaceae"(0.0149),g:Alloprevotella(0.0066);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGACGGAAGACGGCCCTATGGGTCTTAAACGTCTTTGGTCCCGGAGCAATAAGAGCCACGCGTGGCTCGATGAGAGTACGGGAAGAACAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGCTATTAAGTCAGCTGTGAAGTCCGGCGGCTCAACCGTCGGCCTGCAGTTGATACTGGTGGTCTTGAGTGCGCGCAGGGGTGTTGGAATTCATGGTGTAGCGGTGAAATGCTCAGATATCATGAAGAACTCCGATCGCGAAGGCATCTGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGATAGAACAGGATTAGATACCCTGGTA

>OTU16175;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9994),c:"Bacteroidia"(0.9776),o:"Bacteroidales"(0.9685),f:"Prevotellaceae"(0.9201),g:Prevotella(0.6681);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTATGGGTTGTAAACTGCTTTTATAGGGGGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTTATAAGCGGGTAGTGAAATGTCGGGGCTCAACCCGGGAATTGGAGTGGGTACTGTGGGGCTTGAATGCTGCTGAAGTAGGCGGAATTAGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGGAACTGACGCTGAAGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU16176;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:Sphingobacteriia(0.1740),o:"Sphingobacteriales"(0.0781),f:Sphingobacteriaceae(0.0252),g:Parapedobacter(0.0076);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGACGGAAGACGGCCCTATGGGTCTTAAACGTCTTTGGTCCCGGAGCAATAATATCCACGCGTGGCTCGATGGGAGTACGGGAAGAACAAGCATTGGCTTACTCCGTGCCCGCAGCCGCGGTAATAAGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGGAGGGTAAGTCAGCGGTGAAATGTACACGCTCAACGTGGAACGTGCGTTGGATACTGGCGTCCTTGAATGCGGATGCCGTGGGAGGAATGTGTGGTGTAGCGGTGAAATGCATAGATATCACACAGAACACCGATTGCGAAGGCATCTCACGAATCCGCAATTGACGCTGAGGCACGAAAGCGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU16177;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.6899),c:Sphingobacteriia(0.1159),o:"Sphingobacteriales"(0.0547),f:Sphingobacteriaceae(0.0149),g:Parapedobacter(0.0056);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCATGCCGCGTGAAGGAATAAGGCCCTCTGTGTCGTAAGCTTCTTTTGACGGGGAGCTATAAGCTCTACGTGTCTGCCGATGAGAGTACTCGTCGAATCAGCCTCCGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAGTATGCGAGCGTTATCCGGACTTAGTGGGTTTAAAGGGTGCGTAGGCTGTTTGTTAAGTCAGGTGTGAAAGACCGCAGCTCAACTGTGGAATTGCCTTTGATACTAGCAGACTTGAATACTGGTGCCGTGAGAGGAATGAGTAGTGTAGCGGTGAAATGCATAGATATTACGCAGAACACCGATTGCGAAGGCATCTCACGAAGCAGGCATTGACGCTGAGGCACGAAAGCGTGGGGATCAAACAGGATTAGATACCCTGGTA
>OTU16179;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:"Bacteroidia"(0.1159),o:"Bacteroidales"(0.0547),f:Marinilabiliaceae(0.0149),g:Alkalitalea(0.0066);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGACGGAATACGGCCCTATGGGTCTTAAACGTCTTTTGTCCCGGAACAATAAGAGCCACGCGTGGCTCGTTGCGAGTACGGGAAGAACAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGGGTGGTAAGTGAGCTGTGAAATGTACACGCTCAACGTGGGACGTGCGGTGGGTACTGCCGTTCTGGAATGCGGATGACGTGGGAGGAATGTGTGGTGTAGCGGTGAAATGCATAGATATCACAAAGAACACCGATTGCGAAGGCAGCTCACGGATGCGTAATTGACGCTGAGGCACGAAAGCGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU16181;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9740),o:"Bacteroidales"(0.9172),f:Bacteroidaceae(0.6709),g:Bacteroides(0.5239);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCGGCCACGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAATTCGGGTATGGATACCCGCTTGCATGTCCTTTATGAATAAGGAACGGCCAACTCCGTGCCAGCAGCAGCGGTAATACGGAGGATCCGAGCGTCATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGATGTTTAAGTCAGTTGTGAAAGTCTGCGGCTCAACCGTAAAATTGCATTTGATACTGGATATCTTGAGTGCAGTTGAGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCAGGAAGAACACCGATTGCGAAGGCAGTCTGCTAAGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU16178;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.5174),c:"Bacteroidia"(0.0726),o:"Bacteroidales"(0.0473),f:Prolixibacteraceae(0.0113),g:Mariniphaga(0.0056);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCATGCCGCGTGAAGGAATAAGGCCCTATGGGTCGTAAACTTCTTTTGCCGGGGAGCAATAAGGTCTACGTGTAGGCCGATGAGAGTACTCGTCGAATAAGCATCGGCCAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTCATTGGGTTTAAAGGGTGCGTAGGCTGTGCGTCAAGTCTGGAGTGAAATACCGGGGCTCAACACCGGGGCTGCTCTTGAAACTGTCGCGCTGGAGTGCGGATGAGGCAGGAGGAATGAGTGGTGTAGCGGTGAAATGCTTAGATATCAGGAAGAACACCGGTGGCGAAGGCAGCTGGCGAATCCGTAACTGACGCTGAGGCACGAAAGCGTGGGGAGAGAACAGGATTAGATACCCTGGTA

>OTU16180;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9882),o:Lactobacillales(0.9280),f:Lactobacillaceae(0.8505),g:Lactobacillus(0.5239);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCAGCGTGAGTGAAGAAGGTTTTAGGATCGTAAAGCTCTGTAGTTGGTGAAGAAGGATAGAGGGAGTAACTGGCCTTTAATTGACGGTAAGCAACCAGAAAGTCAAGGCTAACTACGTGCCAGCAGCCGCGGTAATAGGTAGGTGGCAAGCGATGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAATAATCCTAATGTGAAATCCCTCGGCTTAACCGAGGAACTGCATCGGATACTGTTTTTCTTGAGTTCATAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU16182;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Bacilli(0.2902),o:Lactobacillales(0.1249),f:Lactobacillaceae(0.0457),g:Lactobacillus(0.0110);

ACGGGAGGCAGCAGTAGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGTTTTCGGATTGTAAACCTCTGTTTTTTGTGACGAAGGAAGTGACGGTAGCATAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGTGGTAATACGGAGGGGGCGAGAGTTGTCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGATTGGTAAGTTGGATGTGAAAGCCGTCGGCTTAACCGGAGTAGTGCAGTGGAAACTGGAGGACTTGAGTGCAGGAGAGGAGGGCGGAACTCGTGGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGTAACTGACGCTGAGGTTCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU16185;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9711),o:"Bacteroidales"(0.8737),f:"Prevotellaceae"(0.5991),g:Prevotella(0.0904);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCATGATGACGGCCCTATGGGTTGTAAACTGCTTTTATACGGGGATAAAGTGCGCCACGTGTGGCTTATTGCAGGTCCCGTATGAATACGGCCCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTGTTAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGAATTGCAGCGCGAACTGGCAGACTAGAGTGCGAAGGAAGTAGGAGGAATCCGTAGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGGAGCGTAACTGACGCTGAAGCGCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU16183;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Peptostreptococcaceae(0.2864),g:Clostridium_XI(0.0808);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGAGAAAGCCTGATGCAGCAACGCCGCGTGAGCGCTGAAGGCCTTCGGGTCGTAAAGCTCTGTCCTCAAGGAAGATAATGACGGTAATTGAGGAGGACGCCCCGGCGAACTACGTGCCAGCAGCCGCGGTAATAAGTAGGGGGACAGCGTTATCCGGAATTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAGTCAGAGGTGAAAGGCTACGGCTCAACCGTAGTAAGCCGTTGAAACTGGGAAACTTGAGTGCAGGAGAGGAGAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTCGGAGGAACACCAGTTTCGAAGGTGGCTCTAGGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU16184;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.6730),o:Clostridiales(0.3959),f:Peptostreptococcaceae(0.1098),g:Clostridium_XI(0.0204);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGTCCTACGGATTGTAAACCTCTTTTGTCGGGGAGTAACGTGCGGGACGGGTCCCGTATTGAGAGTACCCGAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGATTTACTGGGCGTAAAGGGTGCGTAGGTGGTTTCTTAAATCAGGAGTGAAAGGCTACGGCTCAACCGTAGTAAGCTCTTGAAACTGGGAAACTTGAGTGCAGGAGAGGAAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGATTGCTGGACGATAACTGACGGTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU16188;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Bacilli(0.9769),o:Lactobacillales(0.9172),f:Lactobacillaceae(0.8146),g:Lactobacillus(0.5720);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGCCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTCGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATATGTAGGTGGCAAGCGGTGTCCGGATTTATTGGGCGTAAAGCGAGTGCAGGCGGAAAAATAAGTCTGATGTGAAAGCCCTCGGCTTAACCGGGGAGCTGCATCGGAAACGGGTATACTTGAGTGCAGGAGAGGAGAGTGGAACTCCAAGTGTAGCGGTGAAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCGACTGACGCTGAGGCTCGAAAGCATGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU16186;tax=d:Bacteria(1.0000),p:Firmicutes(0.8808),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Eubacteriaceae(0.1291),g:Eubacterium(0.0230);

ACGGAAGGCGGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGGGAAGACGGTTTTCGGATTGTAAACCTCTGTTTTCGGTGACGAACAAATGACGGTAACCGAGTAGGAAGCCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCTTTATCCGGAAATACTGGGTGTAAAGGGAGCGCAGGCGGGATAGCGAGTCAGCTGTGAAAACTATGGGCTCCACCCATAAACTGCAGTTGAAACTGTTATTCTTAAGTGGAGTAGAGGCGAGCGGAATTCCGTGTGTTACGGTGAAATGCGTTGATATTCAGAGGAACACCAGTGTCGAAGGCGGCTTGCTGGGCTCTAACTGACTCTTAGGCTCGAAAGTTTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU16187;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8988),c:"Bacteroidia"(0.5963),o:"Bacteroidales"(0.3319),f:"Porphyromonadaceae"(0.1098),g:Barnesiella(0.0157);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGAGTGAGGGATGACGGTCCTACGGATTGTAAACCTCTTTTGTCGGGGAGTAACGTGCGGGACGGGTCCCGTATTGAGAGTACCCGAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGCAGGCGGCGCGCCAAGTCAGCGGTCAAAGTTCCGGGCTCAACCCGGTGTCGCCGTTGAAACTGGCGTGCTCGAGTGCGTGCGAGGAAGGCGGAATGCGTTGTGTAGCGGTGAAATGCATAGATATTAATCAGAACTCCGCTTGCGAAGTCAGCTTTCCAGCGCGCCACTGCCGCTTAGGCACGAACGCGTGGGGATCGCACAGGATTAGATACCCTGGTA

>OTU16189;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Clostridia(0.9755),o:Clostridiales(0.9389),f:Lachnospiraceae(0.6350),g:Blautia(0.3479);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAAGGAAGAAGTATCTCTGTATGTAAACTTCTATCAGCAGGGAAGAAAATTACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTTCCAGCCGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGATCCGCAAGTCTGATGTGAAAGGCAGGGGCTCAACCCATGGACTGCATTGGAAACTGTCGATCTTGAGTACCGGAGGGGTAAGCGGAATTCCTCGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU16190;tax=d:Bacteria(1.0000),p:Firmicutes(0.9704),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Lachnospiraceae(0.2524),g:Clostridium_XlVa(0.0615);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATCCAGCGAAGTCGCGTGAGCGAAGAAGTATCTCGGTATGTAAAGCTCTATCAGCAGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAGAGGCAAGTCTGTTGTGAAAACCCGGGGTTCAACCCCGGGAGTGCAGTGGAAACTGTTTATCTGGAGTGCCGGAGGGGTAAGTGGAATTCCTGGTGTAGCGGTGAAATGCGTAGATATTAGGATGAACACCCGTGGCGAAGGCAGCTTACTAGGCTGTAACTGACGTTGAGGCTTGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU16191;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.7907),c:"Bacteroidia"(0.2321),o:"Bacteroidales"(0.1015),f:"Porphyromonadaceae"(0.0252),g:Barnesiella(0.0066);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCTTGAACCAGCCATGCCGCGTGAAGGACTAAGGCCCTATGGGTCGTAAACTTCTTTAGACGCAGAGCAATAAGGGTCTCGAGAGATCCATTGAGAGTATGCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGGGTGGTAAGTCTGCCGTGAAATGTCCACGCTCAACGGTGAAAGTGCGTTGCATACTGGTCCTCTTGAATGAGTATGACGTGGGAGGAATGTGTGGTGTAGCGGTGAAATGCATAGATATCACAAAGAACCCCGATTGCGAAGGCAGCCCACGAATCCTTAACTGACGCTGAGGCACGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU16194;tax=d:Bacteria(0.0024),p:Firmicutes(0.0000),c:Bacilli(0.0000),o:Bacillales(0.0000),f:Bacillaceae_1(0.0000),g:Bacillus(0.0000);

AGTAGAAATGCCACAAGCCTCAATAGCAGGTTTAAGAGCCTCGAAACGCGAAAAGTCAAAATAATAAGCGTGAAATTCAGAAGGGTAATAAGAACGAACCATAAAAAAGCCTCCAAGATTTGGAGGCATGAAAACATACAATTGGGAGGGTGTCAATCCTGACGGATATTGCCTAGAAAAATTAGAGCCAATACCATCAGCTTTACCGTCTTTCCAGAAATTGTTCCAAGTATCGGCAACAGCTTTATCAATACCCTGAACAATATCAACCCCCCCAGAAGCATCCTCTGTGACGACATTATAAATATCCTTTGCAGTAGCGCCAATTTGAGAAGAGCCATACCGCTGCTTCTGCTTTTGCTGATGAACTAAGTCAACCTCAGCACTACCCTGTCGAGTCATTTCTTTGATTTGGTCATTGGTACAAGACTGTCCA

>OTU16192;tax=d:Bacteria(1.0000),p:Firmicutes(0.7727),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Lachnospiraceae(0.0355),g:Lachnobacterium(0.0087);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCATGCCGCGTGAAGGAATAAGGCCCTCTGGGTTGTAAACTTCTTTTGACGGGGAGCAATAAGGTCTACGTGTAGGCCGATGAGAGTACTCGTCGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTAGGTGTAAAGGGAGCGTAGACGGATAGGCAAGTCTGATGTGAAATCCCGGGGCTCAACCCCGGGAGTGCATTGGAAACTGTTTATCTGGAGTGCCGGAGGGGTAAGTGGAATTCCGAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTCCCTGGACGAAGACTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU16195;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9966),c:Gammaproteobacteria(0.9733),o:"Enterobacteriales"(0.7995),f:Enterobacteriaceae(0.5991),g:Escherichia/Shigella(0.2607);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAAGGAGTAAAGTTAATACCTTTGCTCATGGACGTTACCCGCAGAAGAAGCACCGTCTAACTCCGGGCGAGCAGCCGCTGCAATATGGCGGGTGGTAGCGTTAATCGGAATTACTGGGTGTAAAGGGAACGCAGGCGGTTTGTTAAGCCAGATGTGAAATCTCCGGGCTCAACCTGGGAACTGCATCTGATACTGGCAAGCTTGAGTGTAGGAGAGGGGGGCGGAATTCCAGGTGTAGCGGTGAAATGCGTAGATATCAGGAGGAATACCGGTGGCGAAGGCGGCCCACTGGACGAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU16193;tax=d:Bacteria(1.0000),p:Firmicutes(0.9736),c:Clostridia(0.9321),o:Clostridiales(0.8412),f:Clostridiaceae_1(0.4563),g:Clostridium_sensu_stricto(0.1299);

ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGCTTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGTCATGTAAGTGAGATGTGAAATACCTGGGCTCAACTTAGGGGCTGCATTTGAAACTGGAGGTCTAGAGTGCAGGAGAGGTGAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACTGTAACTGACGCTGAGGCTCGAAAGCGCGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU16196;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9993),c:Gammaproteobacteria(0.9791),o:"Enterobacteriales"(0.9063),f:Enterobacteriaceae(0.8864),g:Escherichia/Shigella(0.5239);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGCAGCCATGCCGCGTGTATGAAGAAGGCCTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAACGTTAATACCTTTGCTCATTGTCATTACCCGCAGAAGACGCACCGGCTAACTCCGTGCCAGCAGCCGCGGTACTACGGGAGTTGCCATCGTTAATCGGAATTACTGGGCGTAAAGCGAACGCAGGCGGTTTGTTAAGTCTGATGTGAAATCCCCTGGCTCAACCTGGGAACTGCATCTGATACTGGCAAGCTTGAGTCTCGTAGAGGGGGGTAGAATTCCATGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGTGGCGAAGGCGGCCCCCTGGACGAAGACTGACGCTCAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU16197;tax=d:Bacteria(0.9827),p:"Bacteroidetes"(0.4311),c:"Bacteroidia"(0.0525),o:"Bacteroidales"(0.0352),f:"Porphyromonadaceae"(0.0086),g:Coprobacter(0.0043);
ACGGAAGGCCGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGACGGAAGACGGCCCTATGGGTCTTAAACGTCTTTGGTCCCGGAGCAATAAGAGCCACGCGCGGCACGATGAGAGTACGGGAAGAACAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGACTTATTGGGTTTAAAGGGTGCGTAGGCGGAGTAGTAAGTCAGAAGTGAAATGTCCACGCTCAACGTGGGACGTGCGTTTGATACTGCCGTCCTGGAGAGCGAATGCCGTGGGAGGAATTTGTGGTGTAGCGGTGAAATGCGTAAATATCACGAGGAACACCGGTTGCGAAGGCATCTCACGAATCCGCAATTGACGCTGAGGCACGAAAGCGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU16198;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9638),c:Deltaproteobacteria(0.8614),o:Desulfovibrionales(0.6881),f:Desulfovibrionaceae(0.4914),g:Desulfovibrio(0.1735);
ACGGGAGGCAGCAGTGGGGAATATTGCGCAATGGGAGAAAGCCTGACGCAGCGACGCCGCGTGAGGGATGAAGGTCTTCGGATCGTAAACCTCTGTAAGAAGGGAAGAAAATAGGGTGCTCTAATCATCATCATACTGCCGGTAACTTCAAAGGAAGAACCGGCGAACTCCGTACCAGCAGACGCGGTACTACAGAGGGTGCAAGCGATAATCGGAATCACTGGGCGTAAAGCGAACGTAGGCTGTTATGGAAGTCAGGGGTGAAATCCCACGGCTCAACCTTGGAACTGCCCTTGATACTGCCCGACTTGAATCCGGGAGAGGTTGTCGGAATTCCAGGTGTAGCGGTGAAGTCCGTAGATATCTGGAGGAACATCAGTGGCGAAGGCGGCCACCTTGACCGGTACTGACGCTGAGGTGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU16200;tax=d:Bacteria(1.0000),p:Firmicutes(0.9474),c:Bacilli(0.8331),o:Lactobacillales(0.5766),f:Lactobacillaceae(0.3204),g:Lactobacillus(0.0904);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGCAGTAACTGGTCTTTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCGGGCTGTTAAGTCAGCGGTCAAATGTCAGGGCCCAACCTTGGCATGCCGTTGATACTGGCGGC

CTTGAGTTCACACAAGGAAGGTGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCG
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>OTU16199;tax=d:Bacteria(1.0000),p:Firmicutes(0.9867),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Rumi
nococcaceae(0.7068),g:Clostridium_IV(0.3915);
ACGGAAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGAAGAAGGT
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>OTU16202;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.8048),o:"Bacteroidales"(0.
5395),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0230);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGAAGACGGC
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ACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGA
GCGTAGGTGGACTGGCAAGTGTGTTGTGAAATGCAGTGGCTCAACCTGCGCCCTGCAGCGCGAACTGGCGGTCTTG
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2679),f:"Porphyromonadaceae"(0.0710),g:Parabacteroides(0.0157);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGACGCAAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCC
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GTGCGTAGGCGGATTGTTAAGTCAGTGGTCAAATTGAGGGGCTCAACCCCTTCCCGCCATTGAAACTGGCGATCTTG
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nospiraceae(0.0560),g:Lachnoanaerobaculum(0.0110);
ACGGGAGGCAGCAGTGGGGGATATTGGACAATGGGGGGAACCCTGATCCAGCGACGCCGCGTGAGTGAAGAAGTA
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acillaceae(0.0560),g:Lactobacillus(0.0110);
ACGGGAGGCAGCAGTTAGGAATATTGGGCAATGGAGGAAACTCTGACCCAGCAACGCCGCGTGAAGGATGAAGGT
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8303),f:"Prevotellaceae"(0.4914),g:Prevotella(0.2171);
ACGGGAGGCAGCAGTGGGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTCGCGTGCATGACGACGGC
CCTCTGGTTTGTAAACTGCTTTTTTAGGGAGATAAAGTGTGCCACGTGTGGCATATTGCAGGTACCCTATGAATACGG
ACCGGCGAATTCCATGCCAGCAGCCGAGGTGATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
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acillaceae(0.1291),g:Lactobacillus(0.0230);
ACGGAAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGG
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AAGCTGGAGTGTCGGAGAGGTAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATCTGGAGGAATACCGGT
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>OTU16207;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Rumi
nococcaceae(0.2524),g:Oscillibacter(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAATCCCGACCCATCAACGCCGCGTGAAGGAAGAAGGC
TTTCGGGTTGTAAACTTCTTTTGTCAGGGACGAGTAGAAGACTGTACCTGACGAATAAGCCACGGCTCACTACGTGCC
AGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGCCGGGAGGGCA
AGTCAGATGTGAAATCCACGGGGTCAACTCGTGGACTGCATTTGAAACTACAAGGCTTGAGTATAGGAGAGGCAATC

GGAATTCCTAGTGGAGCGGTGAAATGAGGAGATATTAGGAGGAAAACCAGGGGCGAAGGAGGATTGCTGGACGAC
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>OTU16208;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8628),c:"Bacteroidia"(0.4812),o:"Bacteroidales"(0.
2359),f:"Porphyromonadaceae"(0.0560),g:Tannerella(0.0087);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCCGAACCAGCCAAGTCGCGTGAGGGATGAAGGC
CCTACGGGTTGTAAACCTCTTATATAAGGGAATAAAGGACATCACGAGTGATGGTTTGCATGTACCCTATGAATAAGC
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AGTACATGCGGGGCAGGCGGAATTCGTGGTGTAGCGGTGAAATGCATAGAGATCGGGCAGAACCCCGGTCGCGAA
GGCGGCCTGCCAGGCCGTGACTGACACTGATGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU16209;tax=d:Bacteria(1.0000),p:Firmicutes(0.6899),c:Clostridia(0.4045),o:Clostridiales(0.1719),f:Lach
nospiraceae(0.0710),g:Roseburia(0.0157);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCCGATGCAGCCATGCCGCGTGTATGAAGAAGGC
CTTCGGGTTGTAAAGTACTTTCAGCGGGGAGGAAGGGAGTAAAGTTAATACCTTTGCTCCTTGACGTTACCCGCAGA
AGAAGCACCGTCTAACTCCGTGCCAGCAGCCGCGGTAATACGTATGGTGCAAGCGTTATCCGGATTTACTGGGTGTA
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GTA
>OTU16210;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:"Bacteroidia"(0.2902),o:"Bacteroidales"(0.
1249),f:"Porphyromonadaceae"(0.0252),g:Barnesiella(0.0076);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCCGAACCAGCCATGCAGCGTGAAGGACGACGGC
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riales"(0.0473),f:Sphingobacteriaceae(0.0113),g:Parapedobacter(0.0056);
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49),f:Spirochaetaceae(0.0457),g:Treponema(0.0110);
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llaceae(0.0000),g:Alicyclobacillus(0.0000);
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9497),f:"Prevotellaceae"(0.8864),g:Prevotella(0.5720);
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2359),f:"Prevotellaceae"(0.0252),g:Paraprevotella(0.0076);
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4652),f:"Prevotellaceae"(0.1872),g:Alloprevotella(0.0230);
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acillaceae(0.6709),g:Lactobacillus(0.4351);
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acillaceae(0.3204),g:Lactobacillus(0.0712);
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8520),f:"Prevotellaceae"(0.5632),g:Prevotella(0.1299);
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6138),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0326);
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acillaceae(0.7068),g:Lactobacillus(0.3479);
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acillaceae(0.7787),g:Lactobacillus(0.6200);
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nococcaceae(0.4563),g:Oscillibacter(0.0519);
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8955),f:"Prevotellaceae"(0.8146),g:Prevotella(0.5720);
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4280),f:"Prevotellaceae"(0.1872),g:Prevotella(0.0181);
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ridiaceae_1(0.0000),g:Clostridium_sensu_stricto(0.0000);
CACCATCCTAGCCAGATGCCCCGAGATTAGAGCGCATGACAAGTAAAGGACGGTTGTCAGCGTCATAAGAGGTTTTC
CCTCCAACTGAAGAACTACCATCATGGTAACGCTGCATGAAGTAATCACGTTCTTGGTCAGTATGCAAATTAGCATAA
GCAGCTTGCAGACCCATAATGTCAATAGATGTGGTAGAAGTCGTCATTTGGCGAGAAAGCTCAGTCTCAGGAGGAAG
CGGAGCAGTCCAAATGTTTTTGAGATGGCAGCAACGGAAACCATAACGAGCATCATCGTGATGAAGCTCATTAGGGT
TAGCCGCGGTACGGTCAGGCAGCCACGGCGCGTTAAAATAGTTGGTAGAGATATG

>OTU16293;tax=d:Bacteria(0.0041),p:"Actinobacteria"(0.0000),c:Actinobacteria(0.0000),o:Actinomycetales(0.0000),f:Streptomycetaceae(0.0000),g:Streptomyces(0.0000);
CCTCGTCACGTTTATGGTGAACAGTGGATTAAGTTCCTGAAGGATGGTGTTCATGCCACTCCTCTCCCGACTGTTAACACTACTGGTTATATTGACCATGCCGCTTTTCTTGGCACGATTAACCCTGATACCAATAAAATCCCTAAGCATTTGTTTCAGGGTTATTTGAATATCTATAACAACTATTTTAAAGCGCCGTGGATGCCTGACCGTACCGAGGCTAACCCTAATGAGCTTAATCAAGATGATGCTCGTTATGGTTTCCGTTGCGGCCAGCTCAAAAACATTTGGACTGCTCCGCGTCCGCCTGAGACTGAGCTTTCTCGCCAAATGACGACGTCTACCACATCGAGGGACAGTAGGGGTCTGCAAGCGGCTTATG
>OTU16292;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9540),c:"Bacteroidia"(0.8048),o:"Bacteroidales"(0.5395),f:"Prevotellaceae"(0.1872),g:Prevotella(0.0326);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGCGTGAGGGAAGACGGCCCTACGGGTGGTAAACCTCTTTGGTGGGGGAATAAAGTGCGGGACGCGTACCGCATTGCATGTACCATTTGAAGAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGAAGGCCGTGGGTTAAGCGTGTCGTGAAATTCCGTCGCTCAACGGCGGACGTGCGGCGCGCACTGGTCCACTTGAGTCCGCGTGACGTTGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTGCCGGTCGCACAACTGACGCTGAGGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU16295;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8628),c:"Bacteroidia"(0.5579),o:"Bacteroidales"(0.2999),f:"Prevotellaceae"(0.0904),g:Prevotella(0.0110);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTCGCGTGCAGGACGACGGCCCTATGGTTTGTAAACTGCTTTTTGAGGGGGATAAAGTGTGCCACGTGTGGCTTATTGCAGGTACCCTATCAATAAGGCCCCCCTAATTCTGTGCCAGCGGCCGCGGTAATACGGAAGGTCTGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGTGGGTTAAGCGTGTCGTGAAATTCCGGCGCTCAACGGGGAACGTGCGGCGGAAACTGGTCCACTTGAGTACGGGAGAGGTTAGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATTAGGAGGAACACCAATTGCGAAGGCAGCTGACGGTAGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA
>OTU16296;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9441),c:"Bacteroidia"(0.6730),o:"Bacteroidales"(0.3959),f:"Prevotellaceae"(0.0904),g:Prevotella(0.0181);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATAGGCGGGAGCCTGAACCAGCCAAGTAGCGTGAAGGAAGACGGCCTTATGGGTTGTAAACCGCTTTCAGAGGAGGATAAAGGGTGCCACGCGTGGCACATTGCAGGTACCCTATGAAGAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGATGCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGACCTATAAGTGTGTGGTGAAATCTTGCGGCTCAACCGGGGGTTTGCCATGCGAACTGTGGGACTTGAGTGCGCAAGAGGTATGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATCACGCAGAACCCCGATTGCGAAGGCAGCATACTATAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGGATCGAACAGGATTAGATACCCTGGTA
>OTU16294;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9762),o:Lactobacillales(0.8846),f:Lactobacillaceae(0.7787),g:Lactobacillus(0.5720);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
TTTCGGATCGTAAAGTTCTGTTATTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCCACCAA
AAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAGGGGGCAAGCGTTGTCCGGATTTATTGGGCGTA
AAGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCCTGGGCTTAACCTAGGAACTGCATCTGAAACTGTTTT
GCTTGAGTGGAGTAGAGGAGGGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGAGATATGGAAGAACACCAGTG
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A

>OTU16297;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9887),o:Lactobacillales(0.9280),f:Lactob
acillaceae(0.8146),g:Lactobacillus(0.5720);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
TTTCGGATCGTTAAGCTCCGTTGTTGGTGAAGTAGGATAGAGGTAGTAACTGGCTTTTATTTGACGGTAATCAACCAG
AAAGTCTCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTACGTGGCAAGCGCTGTCCGGATTTATTGGGCGTAA
AGCGAGCGCAGGCGGAAAGATAAGTCTAATGTGAAAGCCCTCGGCTTAACCGAGGAACTGCGTCGGAAACTGTTGT
TCTTGAGTGCAGAAGAGGAGGGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCGGTGG
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A

>OTU16298;tax=d:Bacteria(1.0000),p:Firmicutes(0.9994),c:Bacilli(0.9897),o:Lactobacillales(0.9606),f:Lactob
acillaceae(0.9108),g:Lactobacillus(0.8124);
ACGGGAGGCAGCAGTAGGGAATCTACCACAATGGACGCAAGTCTGATGGAGCAACGCCGAGTGAGTGAAGAAGGT
TTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAG
AAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAA
AGCGAGCGCAGGCGGAAAAATAAGTCTAATGTGAAAGCCCTCGGCTTAACCGAGGACCTGCATCGGAAACTGTTTTT
CTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTTGAATGCTTATTTATATGGATGAGCACCAGTCGCA
GATCCAGCTCTCTGCTCTGCAACAGGCGCTGAGGCTCGAAAGCATGGATAGCGAACAGGATTAGATACCCTGGTA
>OTU16299;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8628),c:"Bacteroidia"(0.4812),o:"Bacteroidales"(0.
2359),f:Bacteroidaceae(0.0355),g:Bacteroides(0.0087);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGCGTGCGGGAAGACTGC
TCTACGGGTTGTAAACTTCTTTTGTTTGGGAATAAAGTGCGGTACGTGTCCCGCACTGCATGTACCATTTGAATAAGG
ACCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTTCGGGCGTTATCCGGATTTATTGGGTTTAGAGGGA
GCGCAGGCGGTGGGATAAGCGTGAGGTGAAATTCCGGGGCTCAACGGCGGAAGTGCGGCGAGAACTGGTAGACTT
GAGAGTAGGGGAGGTTGGCGGAATTTGTGGTGTAGCGGTGAAATGCTTAGAGATCACAAAGAACTCCGATTGCGAA
GGCAGCTGACGGTAGCACAACTGACGCTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU16301;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9321),o:"Bacteroidales"(0.8412),f:"Prevotellaceae"(0.5632),g:Prevotella(0.0904);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGACGACGGCCCTATGGGTTGTAAACTGCTTTTATGCGGGGATAAAGTGGGCCACGCGTGGCTTTTTGCAGGTACCGCATGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCGGCTGATCAAGCGTGTAGTGAAATGCAGCCGCTCAACGTCTGAACTGCGGCGCGAACTGGCAGGCTTGAGTGCGCGCGACGTTGGCGGAATTCGCGGTGTAGCGGTGAAATGCTTAGATATGGCGAAGAACTCCGATTGCGAAGGCAGCTGACGGGTGCGTAACTGACGCTCATGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU16303;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:"Bacteroidia"(0.2902),o:"Bacteroidales"(0.1249),f:"Prevotellaceae"(0.0252),g:Prevotella(0.0066);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTACGGGTTGTAAACTGCTTTTAGGCGGGGGTAAAGGAGCGGACGTGTTCCGCTTTTGCAAGTACCGCCAGAAAAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGGAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTTAGATAAGTCTGAGGTGAAATGCTTCTGCTCAACAGGAGTTTGCCTTGAAAACTGTCTGACTATGATGTAAACGGCGCAGGCGGAATGAACCATGTAGGGGTGACATGCATTGATATGATGCAAAACACCGATCGCGAAGGCAGCTTGCGAGGATACGATCGACGCCTAAGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU16302;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8087),c:"Bacteroidia"(0.2321),o:"Bacteroidales"(0.1015),f:Marinilabiliaceae(0.0252),g:Alkalitalea(0.0076);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGTCGCGTGCAGGACTAAGGCCCTATGGGTCGTAAACTTCTTTTGTAGCGGAGCAATATGGGTCTCGCGTGATCCGTTGAGAGTATCCGTAGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGGTGCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCCGAAGTTTAAGTGGGCTGTGAAATGCCGGGGCTCAACGGGGGAGGTGCCGTGGGAACTGGTAATCTGGAGTGCGCTGGATGTGGGAGGAATGAGTAGTGTAGCGGTGAAATGCATAGATATTACGCAGAACACCGATTGCGAAGGCAGCTCACGAAGGGGCGACTGACGCTGAGGCACGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU16300;tax=d:Bacteria(1.0000),p:Firmicutes(0.8628),c:Clostridia(0.4428),o:Clostridiales(0.2039),f:Lachnospiraceae(0.0904),g:Blautia(0.0181);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCCCTGCTGTTGGTGAAGAAGGATCGAGGTAGTAACTGGCCTTTATTTGACGGTAATCAACCAGAAAGTTACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTCTCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGAGCAGCAAGTCTGGTGTGAAAGGCAGGGGCTCAACCCCTGGACTGCATTGGAAGCTGTACTGCTAGAGTGCTGGAGGTGTAAGTGGAATTCCTAGTGTATCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACAGTAGCTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATGCCCTGGTA

>OTU16306;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9719),o:"Bacteroidales"(0.8846),f:"Prevotellaceae"(0.6709),g:Prevotella(0.3479);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACAGCCCTATGGGTTGTAAACTGCTTTTAAAGGGGGAAAAGGTGGGCCACGGTGGGTTTATGGAAGGTACCGAATGAAAAAGGACCGGCTATTTCCTTCCCGGCACCGCGGGTAATAGGGAGGGTCGGGGGGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCTGTTAAGCGTGTTGTGAAATGTCGGGGCTCAACCTGGGCATTGCAGCGCGAACTGGCAGACTTGAGTGCGCAGGAAGTAGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGTAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU16305;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9638),c:"Bacteroidia"(0.8472),o:"Bacteroidales"(0.6509),f:"Prevotellaceae"(0.3204),g:Alloprevotella(0.0615);

ACGGTCGGCCTCCTTTCGGCCTCTTTCTCCCTGGGCGGAAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACGGCCCTCTGGGTTGTAAACTGCTTTTAGTCGGGAATAAAATGCGGCACGTGTGCCGCTTTGCATGTACCGTCAGAAAAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCAGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCGGACTTTTAAGTCAGCTGTTAAATTCGGTGGCTCAACCATCGCATGCAGTTGAAACTGGAGGTCTTGAGTGTACACAGGGATGCTGGAATTCATGGTGTAGCGGTGAAATGCTCAGATATCATGAAGAACTCCGATCGCGAAGGCAGGCATCCGGGGTACAACTGACGCTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU16304;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9988),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.6138),f:"Prevotellaceae"(0.3204),g:Prevotella(0.0519);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGCGTGAGGGAGGACGGCCCTATGGGTTGTAAACCGCTTTTGTCTGGGAGTAACGTGCGGCACGCGTGGCGTTTTGTGAGTACCAGAAGAAAAAGCATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCCGTCGGTTAAGTGTGTCGTGAAATGTCGGGGCTCAACGTGTGACTTGCAGCGCATACTGGCCGACTTGAGTGCGCACAACGCAGGCGGAATTTGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACCCCGATTGCGAAGGCAGCTCGCTGTAGCGTAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU16307;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9993),c:Fusobacteriia(0.9877),o:"Fusobacteriales"(0.9940),f:"Fusobacteriaceae"(0.9294),g:Fusobacterium(0.2171);

ACGGGAGGCAGCAGTGGGGAATATTGGACAATGGACCAAACGTCTGATCCAGCACTTCTGTGTGCACGATGAAGTTTTCCGGATTGTAAAGTGCTTTCTGTTGGGACGAAGTAAGTGACGGTACCAACAGAAGAAGCGACGGCTAAATACGTGCCAGCAGCCGAGGTAATACGGATGTCGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGCGTCTAGGCGGATTGGTAAGTCTGATGTGAAAATGCGGGGCTCAACTCCGTATTGCGTTGGAAACTGCCAAACTAGAGTACTGGAGAGGTAGGCGGAACTACAAGTGTAGAGGTGAAATTCGTAGATATTTGGAAGAACACCGATGGCGAAGCCAGCCCACTGGACGGATACTGACGCTAAAGCGCGAGAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU16308;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9903),o:Lactobacillales(0.9606),f:Lactobacillaceae(0.9294),g:Lactobacillus(0.8124);

ACGGGAGTCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTGTTCGGTTCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTATTTGACGGTAATAAACAAGAAAGTCACTGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAAAACGAGCGAAGGCGGAAAAATAAGTCTAATGTGAAAGCACTCGGCTTAACCGAGGAACTGCATCGGAAACTGTTTTTCTTGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACTACTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGTCTCGAAAGCATGGGTAGCGAAAAGGATTAGATACACTGGTA

>OTU16309;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9638),c:Epsilonproteobacteria(0.9038),o:Campylobacterales(0.7623),f:Helicobacteraceae(0.4914),g:Helicobacter(0.2607);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACTCTGATGCAGCGACGCCGCGTGAATGAAGAAGTATTTCGGTATGTAAAGTACTATCAGAGGGGAGGATAATGACGGTACCTGACTAAGAAGCACCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGGAGGGTGCAAGCGTTAATCGGAATCACTGGGCGTAAAGAGCGCGTAGGCGGGCTAGCAAGTAAGATGTGAAATCCTATGGCTTAACCAGAGAGCTGCATTTGAAACTGTTATTCTAGAGTATGGGAGAGGTAGGTGGAATTCTTGGTGTAGGGGTAAAATGCGTAGAGATCAAGAGGAATACTCATTGCGAAGGCGACCTGCTGGAACATAACTGACGCTGATGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU16311;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9736),c:"Bacteroidia"(0.4812),o:"Bacteroidales"(0.2359),f:"Porphyromonadaceae"(0.0904),g:Barnesiella(0.0110);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAGGCCTGAACCAGCCAAGTCGCGTGAGGGAAGACGGTCCTACGGATTGTAAACCTCTTTTGTCGGGGAGTAACGTGCGGGACGCGTCCCGTATTGAGAGTACCCGAAGAAAAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGTTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGTTGATTAAGTTAGTGGTAAAATGTCATGGCTAAACCTTGGCCAGCCATTAATACTGGTCAGCTTGAGTACAGACGAGGTAGGCGGAATAAGTTAAGTAGCGGTGAAATGCTTAGATATAACGAAGAACTCCGATTGCGAAGGCAGCCTGCTGTAGCGCAACTGACGCTGAAGCTCGAAAGCGTGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU16310;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Clostridia(0.9462),o:Clostridiales(0.8520),f:Lachnospiraceae(0.4563),g:Dorea(0.1735);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGAGGCAACCCTGATGCAGCGATGCCGCGTGTAGGATGAAGTATTTCGGTATGTAAACTTCTATCAGCAGGGACGATAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCTAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTTTGCAAGCCAGATGTGAAAGCCCGGGGCTCAACCCCGGAGCTGCATTTAAAACTGTAATACTAGAGTGTGGGAGAGGCAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTGGGAAGAACACCAGTGGCGAAGGCGGCTTGCTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU16312;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9871),o:Lactobacillales(0.9063),f:Lactobacillaceae(0.7428),g:Lactobacillus(0.5239);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCTTTCTTTGACGGTAATCAACCAGAACGTCGCGGCTAACTACGTTCCAGCAGGCGCGGTAATACGTAGGGGGCAAGCGTGGTCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGAAAAGTAAGTGTAATGTGCAAGCCCGCGGCTTAACCGAGGAACTGCAGCGGAAACTGTTTGTCTTGAGTGCAGAAGGGGAGAGTGGAACTCCAGGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCGCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU16313;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Bacilli(0.9604),o:Lactobacillales(0.7623),f:Lactobacillaceae(0.4224),g:Lactobacillus(0.0904);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGCAGCAACGCCGCGTGAGTGAAGAAGTTCTTCGGATCGTAAAACTCTGTTGTTAGAGAAGAACACGATTGCGATTAACTGTTCATTCGATGACGGTATCTACCCAGAAAGTCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATGCGTATGTTGCAAGCGTTATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTACTTAAGTCTGATGTGAAAGCCTTCGGCTTAACCGAAGAAGTGCATCGGAAACTGGGTGACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAGGAACACCAGTGGCGAAGGCGGCTGACTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU16314;tax=d:Bacteria(1.0000),p:"Fusobacteria"(0.9992),c:Fusobacteriia(0.9866),o:"Fusobacteriales"(0.9941),f:"Fusobacteriaceae"(0.9892),g:Fusobacterium(0.1735);

CCTTTCTTCCTCCTTTTTTCCTCTTTCCCCCTGGCCCCCACGTTTGATCCCGCAATTCTGTGTGCACGATGAAGTTTTTCGGAATGTAAATTGCTTTCAGTTGGGACGAAGTAAGTGACGGTACCAACAGAAGAAGCGACGGCTAAATCCGTGCCAGCAGCCGCGGTAATACGTATGTCGCACGCGTTATCCGGATTTATTGGGCGTAAAGCGCGTCTAGGCGGTTTGGTAGGTCTGATGTGAAAATGCGGGGCTCAACTCCGTATTGCGTTGGAAACTGCCAAACTAGAGTACTGGAGAGGTAGGCGGAACTACAGGTGTAGAGGTGAAATTCGTAGATATTTGTAGGAATGCCGATGGGGAAGGCAGCCCACTGGACAGATACTGACGCTATAGCGCGAAAGCGTGGGTAGCAAACAGGATTAGATACCCTGGTA

>OTU16315;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8808),c:"Bacteroidia"(0.4812),o:"Bacteroidales"(0.2359),f:"Porphyromonadaceae"(0.0457),g:Dysgonomonas(0.0110);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGCCGGAAGGCTGAACCAGCCAAGTCGCGTGAGGGAAGACTGCCCTATGGGTTGTAAACCTCTTTTATTCGGGAAGAATAAGTTTCACGCGTGGAACGATGCCTGTACCGAATGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATGCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGTGCGTAGGCGGAAGTGCAAGTCAGCGGTGAAATCCCCGCGCTCAACGCGGGAGTTGCCGTTGATACTGATTTTCTTGAGTGTACACAGGGATGCTGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATCGCGAAGGCAGGTGTCCGGGGTACTACTGACGCTGAGGCTCGAAAGTGCGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU16316;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Bacilli(0.3483),o:Lactobacillales(0.1483),f:Lactobacillaceae(0.0560),g:Lactobacillus(0.0134);

ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAACCTCTGTTGTTGGTGAAGAAGGATAGAGGTAGTAACTGGCCATTATTTGACGGTAATCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTCATACGTAGGGGGCGAGCATTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCATGGCAAGTCAGTTGTGAAAACCCAGGGCTCAACTGTGGAACTGCATTGGAAACTGACTAGCTGGAGTGTCGGAGAGGTAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTACTGGACGATGACTGACGCTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU16319;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.9280),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGCAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATAAAGGAATAAAGTCGGGTATGCATACCCGTTTGCATGTACTTCATGAATAAGGAACGGCTAACTCTGTGCCAGCAGCCGCGGTAATACGGAGGTTCCGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGGTGTTTAAGTCAGTAGTGAAAGTTTGCGGCTCAACCGTAGAATTGCAGTTAATACTGGATATCTTGAGTGCGGTAGAGGCAAGAGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCGGCCTGCTAAGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU16318;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9462),o:"Bacteroidales"(0.8520),f:"Prevotellaceae"(0.4224),g:Prevotella(0.2171);

ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCGAGCCTGAACCAGCCAAGTAGCGTGCAGGACGAAGGCCCTATGGGTTGTAAACTTCTTTTATAAGGGAATAAAGTGAGTCTCGTGAGACTTTTTGCATGTACCTTGTGAATAAGGATCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGGCTGGAGATTAAGTCAGTTGTGAAATGTAGACGCTCAACGTCAGAACTGCAGCGGGTACTGGTAGCCTTGAGTACGGACGAGGTGGGCGGAGTTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTGACGGTAGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU16317;tax=d:Bacteria(1.0000),p:Firmicutes(0.9835),c:Clostridia(0.9038),o:Clostridiales(0.7995),f:Lachnospiraceae(0.2864),g:Blautia(0.0808);

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3959),f:"Prevotellaceae"(0.1291),g:Prevotella(0.0230);
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8303),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0712);
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acillaceae(0.9015),g:Lactobacillus(0.7162);
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acillaceae(0.9294),g:Lactobacillus(0.9566);
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81),f:Veillonellaceae(0.4914),g:Anaerovibrio(0.0712);
ACGGGAGGCAGCAGTGGGGAATCTTCCGCAATGGGCGCAAGCCTGACGGAGCAACGCCGCGTGAGTGAAGAAGGT
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8846),f:"Prevotellaceae"(0.6709),g:Prevotella(0.2171);

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>OTU16406;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9736),c:"Bacteroidia"(0.8897),o:"Bacteroidales"(0.
7623),f:"Prevotellaceae"(0.3884),g:Alloprevotella(0.0615);

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>OTU16404;tax=d:Bacteria(1.0000),p:Firmicutes(0.9993),c:Bacilli(0.9887),o:Lactobacillales(0.9938),f:Lactob
acillaceae(0.9015),g:Lactobacillus(0.4787);

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GAAAGTCACGGTTAACTACGTGCGAGGCGCTGCGGCAATACGTAGGGGGGAAGTGCGATCCGGATTTATTGGGCGT
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CAACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGT
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GTA

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5023),f:"Prevotellaceae"(0.2524),g:Prevotella(0.0326);

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GACCGGCCAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTTCGGGCGTTATCCGGATTTATTGGGTTTAAAGGG
AGCGCAGGCCGACGGGCAAGCGAGATGTGAAATGCAGTCGCTCAACGTCTGAACTGCAGCGCAAACTGCCCATCTT
GAGTGCGCGCGACGTTGGCGGAATTCGCCGTGTAGCGGTGAAATGCTTAGATATGGCGAAGAACACCGATTGCGAA
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bacterales(0.0000),f:Helicobacteraceae(0.0000),g:Helicobacter(0.0000);
AAAAGACAGAATCTCTTCGAAGAGCTTGATGCGGTTATCCCTCTGCTTATGGAAGCCAAGCATTGGGGATTGAGACA
GAGTAGAGATGCCTCAAGCCTCAATAGCAGGTTTAAGAGCCTCGCTACGCTCAAAGTCAAAATCATCATCGTGACATT
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7995),f:"Prevotellaceae"(0.3884),g:Prevotella(0.0423);
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acillaceae(0.1872),g:Lactobacillus(0.0519);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
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2039),f:Bacteroidaceae(0.0457),g:Bacteroides(0.0110);
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0413),f:"Porphyromonadaceae"(0.0099),g:Barnesiella(0.0046);
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iales(0.0000),f:Alcaligenaceae(0.0000),g:Oligella(0.0000);
ATCCAAAACGGCAGCAGCCTGCATGCGCTTAATAGAGGCCAAAGCGGTCTGGAAACGTACGGCTTGTTCAGTAACTT
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nospiraceae(0.7428),g:Blautia(0.4787);
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2039),f:"Prevotellaceae"(0.0904),g:Prevotella(0.0181);
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9497),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);
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acillaceae(0.9294),g:Lactobacillus(0.8605);
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99),f:Spirochaetaceae(0.1485),g:Treponema(0.0157);
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8520),f:Bacteroidaceae(0.3204),g:Bacteroides(0.0904);
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acillaceae(0.6350),g:Lactobacillus(0.3479);
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riales"(0.0473),f:Chitinophagaceae(0.0113),g:Chitinophaga(0.0056);
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ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGATGCCGCGTGAGGGAAGAAGG
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1015),f:"Porphyromonadaceae"(0.0355),g:Barnesiella(0.0087);
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ridiaceae_1(0.7068),g:Clostridium_sensu_stricto(0.5239);
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9063),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);
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ridiaceae_1(0.6350),g:Clostridium_sensu_stricto(0.4787);
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9821),f:Bacteroidaceae(0.9387),g:Bacteroides(0.9705);
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9497),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);
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ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACTCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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9606),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);
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ridiaceae_1(0.6350),g:Clostridium_sensu_stricto(0.4787);
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ridiaceae_1(0.0355),g:Clostridium_sensu_stricto(0.0087);
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9730),f:Bacteroidaceae(0.8505),g:Bacteroides(0.7643);
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ridiaceae_1(0.1291),g:Clostridium_sensu_stricto(0.0230);
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6881),f:Bacteroidaceae(0.3204),g:Bacteroides(0.0904);
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8412),f:Bacteroidaceae(0.3204),g:Bacteroides(0.0904);
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nospiraceae(0.1872),g:Clostridium_XlVa(0.0423);
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ridiaceae_1(0.8146),g:Clostridium_sensu_stricto(0.5720);
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7995),f:Bacteroidaceae(0.2524),g:Bacteroides(0.0712);
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6509),f:"Prevotellaceae"(0.3544),g:Prevotella(0.0519);
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4280),f:"Porphyromonadaceae"(0.1291),g:Barnesiella(0.0181);
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nospiraceae(0.1291),g:Clostridium_XlVa(0.0204);
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7623),f:Bacteroidaceae(0.3884),g:Bacteroides(0.1735);
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riales"(0.0109),f:Sphingobacteriaceae(0.0033),g:Pedobacter(0.0028);
CCTTTCTTCCTCCTTTCTTCCTCTTTTTCCCTTTTCTCCCTCCTTCCCCCTCCATTCCTCTTGACTTAATAAGGCCCTATGGG
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CGTGGGAGGAATGAGTAGTGTAGCGGTGAAATGCATAGATATTACTCAGAGCACCGATTGCGAGGGCATCTCACGA
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nospiraceae(0.0904),g:Clostridium_XlVa(0.0157);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAAGGAAGACGGT
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ACGGAATTCCTCGTGTAGCGGTGAAATGCGTAGATATTAGGCGGAACACCAGTGGCGAAGGCGGCTTACTGGACGG
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>OTU16536;tax=d:Bacteria(1.0000),p:Firmicutes(0.8087),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Rumi
nococcaceae(0.0710),g:Intestinimonas(0.0110);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGGGAAACCCTGACCCAGCAACGCCGCGTGAAGGAAGAAGGC
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rionales(0.2039),f:Desulfovibrionaceae(0.0904),g:Desulfovibrio(0.0181);
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nospiraceae(0.5632),g:Lachnospiracea_incertae_sedis(0.3479);
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6138),f:Bacteroidaceae(0.3204),g:Bacteroides(0.0904);
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TGCACACAGGGATGCTGGAATTCGTCGTGTAGCGGTGAAATGCTTAGATATCACTCAGAACACCGATTGCGAAGGCA
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bacterales(0.3639),f:Campylobacteraceae(0.1872),g:Campylobacter(0.0519);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGGAAGCCTGAACCAGCCATGCCGCGTGCGGGAAGGAGGC
CCTATGGGCTGTGAACCGCTTTTGCCTGGGGGCAATAAGGGCGTCGCGCACGTCCGATGCGAGTACCAGGGGAATA
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>OTU16541;tax=d:Bacteria(0.9827),p:"Bacteroidetes"(0.3448),c:Sphingobacteriia(0.0525),o:"Sphingobacte
riales"(0.0352),f:Sphingobacteriaceae(0.0086),g:Solitalea(0.0043);
ACGGGAGGCAGCAATGAGGAATAGAGGAAAAGGAGAGGAAAAGTGAAGAAGACATGCCGCGTGCGGGAAGGAG
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riales"(0.0781),f:Sphingobacteriaceae(0.0252),g:Parapedobacter(0.0076);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGTCGGAAGACTGAACCAGCCATGCCGCGTGCAGGATGGAGGT
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52),f:Spirochaetaceae(0.5273),g:Treponema(0.2607);
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nospiraceae(0.5632),g:Clostridium_XlVa(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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nococcaceae(0.0560),g:Saccharofermentans(0.0134);
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2679),f:"Prevotellaceae"(0.0457),g:Alloprevotella(0.0087);
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nospiraceae(0.3884),g:Clostridium_XlVb(0.1735);
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acillaceae(0.8505),g:Lactobacillus(0.6200);
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0352),f:"Porphyromonadaceae"(0.0086),g:Barnesiella(0.0043);
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riales"(0.1015),f:Sphingobacteriaceae(0.0355),g:Solitalea(0.0087);
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riales"(0.1015),f:Sphingobacteriaceae(0.0355),g:Sphingobacterium(0.0076);
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9063),f:"Prevotellaceae"(0.4914),g:Prevotella(0.3043);
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0547),f:Prolixibacteraceae(0.0149),g:Prolixibacter(0.0066);
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5766),f:"Prevotellaceae"(0.2864),g:Prevotella(0.0519);
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66),f:Veillonellaceae(0.3884),g:Selenomonas(0.0904);
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9172),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);
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nospiraceae(0.3204),g:Butyrivibrio(0.0423);
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15),f:Spirochaetaceae(0.0355),g:Treponema(0.0087);
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riales"(0.0413),f:Sphingobacteriaceae(0.0099),g:Pedobacter(0.0046);
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7252),f:Bacteroidaceae(0.3884),g:Bacteroides(0.1735);
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0473),f:Marinilabiliaceae(0.0113),g:Mangroviflexus(0.0056);
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9063),f:"Porphyromonadaceae"(0.8146),g:Parabacteroides(0.4351);
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nospiraceae(0.2524),g:Clostridium_XlVa(0.0712);
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9389),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);
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9753),f:Bacteroidaceae(0.7787),g:Bacteroides(0.6681);
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ridiaceae_1(0.1098),g:Clostridium_sensu_stricto(0.0181);
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9685),f:Bacteroidaceae(0.8864),g:Bacteroides(0.8124);
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2679),f:Bacteroidaceae(0.0560),g:Bacteroides(0.0134);
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crobiales(0.9936),f:Verrucomicrobiaceae(0.8505),g:Luteolibacter(0.6200);
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9730),f:Bacteroidaceae(0.8505),g:Bacteroides(0.7643);
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9497),f:"Prevotellaceae"(0.8146),g:Prevotella(0.5239);
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nospiraceae(0.7428),g:Blautia(0.4351);
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5023),f:"Prevotellaceae"(0.1679),g:Prevotella(0.0326);
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4280),f:"Prevotellaceae"(0.1291),g:Prevotella(0.0181);
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llales(0.0000),f:Legionellaceae(0.0000),g:Legionella(0.0000);
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8412),f:Bacteroidaceae(0.3884),g:Bacteroides(0.1735);
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9685),f:Bacteroidaceae(0.8146),g:Bacteroides(0.7162);
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>OTU16598;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.9280),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);

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>OTU16596;tax=d:Bacteria(1.0000),p:Firmicutes(0.9605),c:Clostridia(0.8472),o:Clostridiales(0.6509),f:Lachnospiraceae(0.2184),g:Moryella(0.0423);

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846),f:Erysipelotrichaceae(0.8146),g:Turicibacter(0.7162);
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3319),f:"Porphyromonadaceae"(0.1098),g:Parabacteroides(0.0181);
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nospiraceae(0.2524),g:Clostridium_XlVa(0.0712);
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1249),f:"Porphyromonadaceae"(0.0457),g:Barnesiella(0.0076);
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9685),f:Bacteroidaceae(0.8505),g:Bacteroides(0.7643);

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"(0.1249),f:Flavobacteriaceae(0.0457),g:Capnocytophaga(0.0110);
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(0.8737),f:Microbacteriaceae(0.4914),g:Leifsonia(0.1299);
GTGTCAGCAGCCGTGGTAATACGTAGGGTGCAAGCGTTATCCGGAATTATTGGGCGTAAAGAGCTCGTAGGCGGTTT
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nococcaceae(0.0355),g:Ruminococcus(0.0087);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGATGCCGCGTGGAGGAAGAAGGT
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9843),f:"Prevotellaceae"(0.9573),g:Prevotella(0.9686);

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GAGCGTAGGCCGGAGATTAAGCGTGTTGTGAAATGTAGACGCTCAACGTCTGCACTGCAGCGCGAACTGGTTTCCTT
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9889),f:"Prevotellaceae"(0.9868),g:Prevotella(0.9566);
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iales(0.6881),f:Sutterellaceae(0.4563),g:Sutterella(0.2607);
ACGGAAGGCAGCAGTGGGGAATTTTGGACAATGGGGGCAACCCTGATCCAGCCATGCCGCGTGCAGGATGAAGGC
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0.0035);
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nospiraceae(0.0710),g:Clostridium_XlVa(0.0157);

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acillaceae(0.8146),g:Lactobacillus(0.4787);
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9063),f:Bacteroidaceae(0.5991),g:Bacteroides(0.4351);
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0781),f:"Prevotellaceae"(0.0113),g:Prevotella(0.0056);
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AGCGTAGACGGCTGTGTAAGTCTGAAGTGAAAGCTCGGGGCTCAACCCCGGCGCTGCAGTTGAAACTGTGTAGCTA
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ridiaceae_1(0.2524),g:Clostridium_sensu_stricto(0.0615);

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nococcaceae(0.5273),g:Intestinimonas(0.0519);
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bacterales(0.8846),f:Campylobacteraceae(0.8146),g:Campylobacter(0.7162);
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4652),f:Bacteroidaceae(0.1291),g:Bacteroides(0.0230);
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2999),f:Bacteroidaceae(0.1291),g:Bacteroides(0.0230);
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9063),f:Bacteroidaceae(0.5991),g:Bacteroides(0.4351);
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7252),f:Bacteroidaceae(0.3204),g:Bacteroides(0.0904);
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nospiraceae(0.1872),g:Clostridium_XlVa(0.0423);
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0781),f:"Porphyromonadaceae"(0.0252),g:Coprobacter(0.0066);
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nospiraceae(0.3544),g:Roseburia(0.1299);
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nospiraceae(0.3544),g:Oribacterium(0.0712);
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nospiraceae(0.3204),g:Coprococcus(0.0808);
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3639),f:"Porphyromonadaceae"(0.1679),g:Barnesiella(0.0423);
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>OTU16669;tax=d:Bacteria(1.0000),p:Firmicutes(0.7907),c:Clostridia(0.5195),o:Clostridiales(0.2679),f:Eubacteriaceae(0.0457),g:Eubacterium(0.0110);
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ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTGTTGTTGGAGAAGAAAGTGCGGGAGAGTAACTGTTCACGCAGTGACGGTATCCAAAAAGAAAGTCACGGCTAGCTACATGCCAGCAGGCGCGGTAGTACGTAGGGGGCAAGCGTGATCCGGATTTATTGGGCGTAAAGCGAGCGCAGGCGGTTGACTAGGTCTGATGTGAAATCCGTCGGCTTAACCGAAGAAGTGCATCGGAAACCGGTCAACTTGAGTGCAGAAGAGGACAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCGGTGGCGAAGGCGGCTGTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTATCGAACAGGATTAGATACCCTGGTA
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ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAACCCTGATGCAGCAATGCCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGAAAATGACGGTACCTGAGGAGGAATCCACGGCCAATTTCGTGCCAGCAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAAGTGCGATGTGAAATACCGGGGCTCAACTTGGGTGCTGCATTTCGAACTGTGAGTCTAGAGTGCGGGAGAGGAGGATGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATGAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

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ridiales_Incertae_Sedis_XIII(0.0904),g:Mogibacterium(0.0181);
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ostreptococcaceae(0.3204),g:Clostridium_XI(0.0904);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAGCGATGAAGGC
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>OTU16677;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Erysipelotrichia(0.9776),o:Erysipelotrichales(0.9685),f:Erysipelotrichaceae(0.9480),g:Turicibacter(0.9724);

ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGGCGAAAGCCTGACCGAGCAACGCCGCGTGAATGATGAAGGCCTTCGGGTTGTAAAATTCTATTATAAGGGAAGAATGGCTCTAGTAGGAAATGGCTAGAGTGTGACGGTACCGTATGAGAAAGCCACGGCTAACTACGTGCCAGCAACCGCGGGAATACGGAGGTGGAGAGCGTTATCCTGAATTATTGGGCGTAAAGAGCGCGCAGGTGGTTGATTCATTCGTATGTGAAAGCCCACGGCTTAACCGTGGAGGGTCATTGGAAACTGGTCAACTTGAGTGCAGAAGAGGGAAGTGGAATTCCATGTGTAGCGGTGAAATGCGTAGAGATATGGAGGAACACCAGTGGCGAAGGCGGCTTCCTGGTCTGTAACTGACACTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU16676;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.4812),o:Clostridiales(0.2359),f:Ruminococcaceae(0.1098),g:Subdoligranulum(0.0181);

ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGCGCAAGCCTGATGGAGCAACACCGCGTGAGTGAAGAAGGGTTTCGGCTCGTAAAGCTCTTTTGTTGGAGAAGAACGTGCGTGAGAGTAACTGTTCACGCAGTGACGGTATCCAACCAGAAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGTGCAAGCGTTGTCCGGAATTACTGGGTGTAAAGGGAGCGCAGGCGGACCGGCAAGTTGGAGGTGAAATCTCTGGGCTCAACCCATAAATTGCTTTCAAAACTGCTGGCCTTGAGTAGTGCAGAGGTAGGTGGAATTCCCGGTGTAGCGGTGGAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGATGACTGACGTTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

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7623),f:Bacteroidaceae(0.3544),g:Bacteroides(0.1299);
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ococcaceae(0.7787),g:Streptococcus(0.6200);
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9389),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);
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5395),f:"Porphyromonadaceae"(0.1291),g:Parabacteroides(0.0230);
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9606),f:"Prevotellaceae"(0.9015),g:Prevotella(0.5720);
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AGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCT
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>OTU16695;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9740),o:"Bacteroidales"(0.9172),f:"Prevotellaceae"(0.8505),g:Prevotella(0.4787);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGGGAGTCTGAACCAGCCAAGTAGCGTGCAGGATGACGGC
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AGTGCGGAGGAAGTGGGCGGAATTCGTCGTGTAGCGGTGAAATGCTTAGAGATGAGGAAGAACTCCGATGGCGAA
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>OTU16697;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9987),c:"Bacteroidia"(0.8331),o:"Bacteroidales"(0.6138),f:"Prevotellaceae"(0.1485),g:Prevotella(0.0326);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGTAGCGTGAAGGATGACGGC
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AGCGCAGGCCGTGTGATAAGCGTGTCGTGAAATGTCGGGGCTCAACGGAGGACGTGCGGCGCGAACTGGTCGACTT
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>OTU16698;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9726),o:Clostridiales(0.8955),f:Clost
ridiaceae_1(0.5632),g:Clostridium_sensu_stricto(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGACGGGC
TTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTACCTGAGGAGGAAGCCACGGCTAACTACGTGCCAG
CAGCCGCGGTAATACGTAGGTGGCGAGCGTTGTGCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAAG
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GGTGTTCATAGTGTAGCGGTGAAGTGCATAGAGATTAGGAAGAGCACCGGTGGCGAAGGCGATTCTCTGGGCTATA
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>OTU16696;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9988),c:Betaproteobacteria(0.9719),o:Burkholder
iales(0.8846),f:Sutterellaceae(0.8146),g:Sutterella(0.7162);
ACGGGAAGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATCCAGCCATGCCTCGTGTGGGATGAAGGCC
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AAGCACCGGCTAACTACGTGCCAGCATCCGCGGTAATACGTACGGTGCAAGCGTTAATCGGAATTACTGGGCGTAAA
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TCGAGGTTGGAAGAGGGGGGTGGAATTCCAAGTGTAGAAGTGAAATGCGTAGATATTAGGAAGAACACCGATGGC
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>OTU16699;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9733),o:"Bacteroidales"(0.
9063),f:Bacteroidaceae(0.7068),g:Bacteroides(0.5720);
ACGGGAGGCAGCAGTAAGGAATATTGGTCAATGGGCGTTAGCCTGAACCAGCCAAGTAGCGTGACTGATGAAGGCC
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CGGCTAACTCCGTTCCAGCAGCCGCGGTAATACGGAGCATCCGAGCGTTATCCGGATCTATTGGGTTTAAAGGGAGC
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>OTU16702;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9989),c:"Bacteroidia"(0.9321),o:"Bacteroidales"(0.
8412),f:Bacteroidaceae(0.3884),g:Bacteroides(0.1735);
ACGGAAGGCAGCAGTGAGGAATATTGGTCAATGGGCGATAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGT
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ATCGGCTAACTCCGTGCCAGCAACCGCGGTAATACGGAGGCTGCGAGCGTTATCCTGATTTATTGGGTTTAAAGGGA
GCGCATACGGGATGTTAAGTCAGCTGTGAAAGTTTGCGGCTCAACCGTGAAATTGCGGTTGATACTGGCGTTCTTGA

GTGCAGTTGAGGTGTGCGGAATTCGTGGTGTAGCAGTGAAATTCTTAGATGTCTCGAAGAACTCCGATTGCGAAGGC
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>OTU16700;tax=d:Bacteria(1.0000),p:Firmicutes(0.9933),c:Clostridia(0.9740),o:Clostridiales(0.9172),f:Clost
ridiaceae_1(0.4563),g:Clostridium_sensu_stricto(0.2607);
ACGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACGCCGCGTGAGTGATGAAGGC
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GCAGCCGCAGTTATATGTAGGTGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAA
GTGGGATGTGAAATACCGAGGCTCAACTTGTGTGCTGCATTCCAAACTGGTTATCTAGAGTGCATGAGACGAAAGTG
GAATTCGTGGTGTAGCGGTGAAATGCTTAGAGATTAGGAAGAACACCGGTGGCGAAGGCGACTCACTGGACTGTAA
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>OTU16701;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Bacilli(0.9762),o:Lactobacillales(0.8955),f:Lactob
acillaceae(0.7787),g:Lactobacillus(0.5239);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGT
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CAAGTCACGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCGTAA
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>OTU16706;tax=d:Bacteria(0.0024),p:"Spirochaetes"(0.0000),c:Spirochaetia(0.0000),o:Spirochaetales(0.00
00),f:Leptospiraceae(0.0000),g:Leptospira(0.0000);
AGGTGAAACTAAAGGTTCTTACTTAAACATTACTGCTGGTACAATGGAAGAAGTATACAAACGTGCTGAGTATGCTAA
AGCAGTTGGATCTGTAATTGTTATGATTGACTTAGTAATGGGTTATACAGCAATTCAAAGTTCTGCTATCTGGGCTCGT
GATAACGATATGCTTTTACACTTACACCGTGCAGGTAACTCAACTTACGCTCGTCAAAAAAACCATGGTATTAACTTCC
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>OTU16703;tax=d:Bacteria(1.0000),p:Firmicutes(0.9540),c:Clostridia(0.8614),o:Clostridiales(0.6881),f:Clost
ridiaceae_1(0.2184),g:Clostridium_sensu_stricto(0.0615);
ACGGGAGGCAGCAGTGGGGGATATTGCACAATGGGGGAAACCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
TTTCGGTATGTAAAGCTCTATCGGCGGGGAAGAAAATGACGGTACCTGACTAAGAAGCCCCGGCTAACTACGTGCCA
GCAGCCGCGGTAATACGTAGGTGGCGAGCGTTATCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGATGATTAA
GTGAGATGTGAAATACCCGGGCTAGAATTGGGTGGTGCATTCCGAACTGATGATCTAGAGTGCAGGAGAGGAGAGT
GGAATTCCTAGGGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACAACAGTGGCGAAGGGGAATCTCTGGAATGTA
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>OTU16704;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9441),c:"Bacteroidia"(0.7497),o:"Bacteroidales"(0.4652),f:"Prevotellaceae"(0.1485),g:Prevotella(0.0181);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGCAAGCCTGAACCAGCCAAGTAGCGTGAGGGAAGACTGCCCTACGGGTTGTAAACCTCTTTTGTTTGGGAATAAAGTGCGGGACGCGTCCCGCATTGCATGTACCATTTGAATAAGGACCGGCTAATTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGCAGGCCGTGGGGTAAGCGTGTCGGTAAAATCCGGACGTCAACGGCGGGAGTGGGGGGGGAAATGGGCCACTTTAGTTAGGGGGACGTTGGGGGAATTCGTGGGGTAGCGGGTAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTGACGGTAGCGCAACTGACGCTGAGGCTCGAAAGTGCGGGTATCGAACAGGATTAGATACCCTGGTA

>OTU16705;tax=d:Bacteria(1.0000),p:Firmicutes(0.6036),c:Clostridia(0.3483),o:Clostridiales(0.1483),f:Ruminococcaceae(0.0560),g:Clostridium_III(0.0134);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGTTAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTCTATGGGTCGTAAACTTCTTTTATGTAAGAATAAAGTGCAGTATGTATACTGTTTTGTATGTATTATATGAATAAGGATCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGTGCCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGCAGCCGGGTCTGCAAGTCAGATGTGAAATCCATGGGCTCAACCTATGAACTGCATTTGAAACTGTGTATCTTGAGTGTCGGAGGGGCAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGGCTTGCTGGACGATAACTGACGCTGAGGCGCGAAAGTGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU16707;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9755),o:"Bacteroidales"(0.9389),f:Bacteroidaceae(0.6709),g:Bacteroides(0.5239);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGATAGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTCTATGGGTCGTAAACTTCTTTTATATGGGAATAAAGTGCACTATGTATACTGTTTTGTATGTATAATATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGATGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGGAGGTGGACGGGTAAGTGAGTTGTGAAAGGTTGCGGCTCAACCGTAAAACTGCAGTGGGTACTGGCTGGCTTGAGTACAGGAGAGGTGGGCGGAATTCGTGGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCTCACTGGAGTGTAACTGACACTGATGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU16708;tax=d:Bacteria(1.0000),p:Firmicutes(0.8988),c:Clostridia(0.7497),o:Clostridiales(0.4652),f:Lachnospiraceae(0.1679),g:Clostridium_XlVb(0.0423);

ACGGGAGGCAGCAGTAGGGAAACTTGCACAATGGGCGAAAGCCTGATGCAGCAACGCCGCGTGAAGGATGAAGGCCTTCGGGTTGTAAACTTCTGTTCTTAGGGAAGAAGAAAGTGACGGTACCTAAGGAGAAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGTGCGTAGGCGGCAGAGCAAGTCAGATGTGAAATCCGTGGGCTTAACCCACGAACTGCATTTGAAACTGTTTTGCTTGAGTGAAGTAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA

>OTU16709;tax=d:Bacteria(1.0000),p:Firmicutes(0.8267),c:Clostridia(0.5963),o:Clostridiales(0.2999),f:Peptococcaceae_2(0.0904),g:Desulfotomaculum(0.0181);
ACGGGAGGCAGCAGTGGGGAATATTGGGCAATGGGCGCAAGCCTGACCCAGCAACGCCGCGTGAGGGAAGAAGGCTTTCGGGTTGTAAACCTCTGTCCTTGGTGACGAAGGAAGTGACGGTAGCCAAGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCGAGCGTTGTCCGGAATTACTGGGCGTAAAGGGTGCGTAGGCGGTCTGTTAAGTCGGATGTGAAATGTAAGGGCTCAACCCTTAACGTGCATCTGATACTGGCAGACTTGAGTGCGGAAGAGGCAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACACCAGTGGCGAAGGCGACTCTCTGGACTGTAACTGACACTGAGGCACGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU16711;tax=d:Bacteria(1.0000),p:Firmicutes(0.9989),c:Clostridia(0.9805),o:Clostridiales(0.9775),f:Clostridiaceae_1(0.8505),g:Clostridium_sensu_stricto(0.7162);
AAGGGAGGCAGCAGTGGGGAATATTGCACAATGGGGGAAACCCTGATGCAGCAACACCGCGTGAGTGATGACGGCCTTCGGGTTGTAAAGCTCTGTCTTCAGGGACGATAATGACGGTAACGGAGGAGGAAGAAACGGATAACTACGTGCCAGCAGCGGAGGTAATACGTAGGTGGAGAGCGTTGTCCGGATTTACTGGGCGTAAAGGGAGCGTAGGCGGACTTTTAAGTGAGATGTGAAATACCCAGGCTCAACTTTGGTTCTGCATTTCAAACTGGAAGTCTAGAGTGCAGGAGAGGAGAATGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU16710;tax=d:Bacteria(1.0000),p:Firmicutes(0.9348),c:Clostridia(0.8048),o:Clostridiales(0.5395),f:Ruminococcaceae(0.1679),g:Ruminococcus(0.0423);
ACGGAAGGCAGCAGTGGGGGATATTGCGCAATGGGGGCAACCCTGACGCAGCAACGCCGCGTGAACGATGAAGGTCTTCGGATTGTAAAGTTCTATTATTAAGGACGAAGAAGTGACGGTACTTAATGAATAAGCTCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGAGCAAGCGTTGTCCGGATTTACTGGGTGTAAAGGGCGTGTAGGCGGAGATTCAAGTCAGATGTGAAATCTCAGGGCTTAACCCTGAAACTGCATTTGAAACTGAATCCCTTGAGTATCGGAGAGGCAGGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGAGATTAGGAAGAACACCAGTGGCGAAGGCGATTCTCTGGACTGTAACTGACGCTGAGGCTCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU16713;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9991),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.9280),f:"Porphyromonadaceae"(0.9015),g:Butyricimonas(0.6681);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGCCTGAACCAGCCAAGTCGCGTGAGGGAAGAATGGTCTATGGCCTGTAAACCTCTTTTGCCAGGGAAGAATAAAAGGTACGTGTACCTTCTTGCCAGTACCTGACGAATAAGCATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGGGGATGCGAGCGTTATCCGGATTTATTGGGGTTAAAGGGCGCGTAGGCGGGACGTCAAGTCAGCGGTAAAAGGCTGCAGCTCAACTGTAGAAGGCCGTTGAAACTGGCGACCTAGAGAAGAGACGAGGGAGGCGGAACAAGTGATGTAGAGGTGAAATGCATAGATATCACTTGGAACGCCGATAGCGAAGTCAGCTCCCCAGGCTCGTTCTGACGCTGATGCGCGAGAGCGTGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU16712;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.2586),c:"Bacteroidia"(0.1159),o:"Bacteroidales"(0.0547),f:Bacteroidaceae(0.0149),g:Bacteroides(0.0066);

ACGGGAGGCAGCAGTGTGGAGTATTGGTCAATGGGCGATGGCCTGAACCAGCCAAGTAGCGTGAAGGATGAAGGCTCTATGGGTCGTAAACTTCTTTTATATTAGAATAAAGTGCAGTATGTATACTGTTTTGTATGTATAATATGAATAAGGATCGGCTAACTCCGTGCGAGCAGCCGCGGTAATACGCAGGTGGCAAGCGTTGTCCGGATTTACTGGGTGTAATGGGCGTGTAGCCGGGAGGGCAATTCAGATGTGACATCCGCGGGCTCAACTCGTGAACTGCATTTTAAAATACTCTTCTTGAATATCGGAGAGGCAAACGGAATTCCTAATGTAGCGGTGAATTGCGTAGATATTTGGAGGAACACCAGTGGCGAAGGCAGATTGCTGGACGACAACTGACGGTGAGGCGCGAAAGCGGGTGGAGCAAACAGGATTAGATACCCTGGTA

>OTU16715;tax=d:Bacteria(1.0000),p:Firmicutes(0.9988),c:Clostridia(0.7881),o:Clostridiales(0.5023),f:Lachnospiraceae(0.1485),g:Dorea(0.0326);

CCTTTCTTCCTCCTTTCTTCCTCTTTCCCCCTGTCCTCCAATCTGATGCAGCGACGTCGCGTGCAGGATGAAGTATTTCGGTATGTAAACTTCTATCAGCAGGGAAGAAAATGATGGTACCTGACTAAGAAGCCACGGCTAACTACGAGCCAGCAGCCGTGGTAATACGGAGGGGGCAAGCGTTATCCGGATTTACTGGGTGTAAAGGGAGCGTAGACGGCTTTGCAAGCCAGATGTGAAAGCCCGGGGCTCAACCCGGGCACTGCATTGGGAACTGTAATGCTAGAGTGCGGTGGAGGCAAGTGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACCCCAATGGCGACGGCGGCTTGCTGGACGATAACTGACGTTGAGGCTCGAAAGCGTGGGGAGCGAACAGGATTAGATACCCTGGTA

>OTU16714;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.8448),c:"Bacteroidia"(0.6346),o:"Bacteroidales"(0.3639),f:Bacteroidaceae(0.1872),g:Bacteroides(0.0519);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGACGAGAGTCTGAACCAGCCAAGTAGCGTGAAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTATACGGGAATAAAGTGAGGCACGTGTGCCTTTTTGTATGTACCGTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAGGATCCGAGCGTTAATCGGAATAACTGGGCGTAAAGGGCACGCAGGCGGTGACTTAAGTGAGATGTGAAAGCCCCGGGCTCAACTTGGGTGCTGCATTTCAAACTGGAAGTCTAGAGTGCAGAAGAGGAGAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCAGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA

>OTU16717;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9990),c:"Bacteroidia"(0.9604),o:"Bacteroidales"(0.8629),f:Bacteroidaceae(0.5273),g:Bacteroides(0.3479);

ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAGAGCCTGAACCAGCCAAGTAGCGTGCAGGATGACTGCCCTATGGGTTGTAAACTTCTTTTGTATGGGAATAAAGTCGGGTATGGATGCCGGTTTGCATGTACTTTATGAATAAGGATCGGCTAACTCCGTGCCAGCAGCCGCGGTAATACGGAAGGTCCGGGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGATGGTTGTTTAAGTCAGTTGTGAAATGTTGCGGCTCAACGGCAAAATTGCGGTGGATACTGGATATCTTGAGTGCGGTTGACGCAGGCGGAATTTGTGGTGTAGCGGTGAAATGCTTAGATATGACGAAGAACTCCGATTGCGAAGGCAGCCTGCGAAGCTGCAACTGACACTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU16716;tax=d:Bacteria(1.0000),p:Firmicutes(0.9992),c:Bacilli(0.9866),o:Lactobacillales(0.9063),f:Lactobacillaceae(0.7428),g:Lactobacillus(0.4787);
ACGGGAGGCAGCAGTAGGGAATCTTCCACAATGGACGCAAGTCTGATGGAGCAACGCCGCGTGAGTGAAGAAGGTTTTCGGATCGTAAAGCTCTGTTGTTGGTGAAGACGGATACAGGAAGTAACTGGCCTTTATTTGCCGGTAATCAACCAGAAAGTCACGTCTTACTACGTGCCAGCAGCCGCTGTAATACGTTGGTGGCAAGCGTTGTCCGGGTTTATTGGGCGTAAAGCGAGCACAGGCGGAAAAACAAGTCTAATGTGAAAACCCGCGGCTTAAACGCGGAACTGCATCGGAAACTGTTTGTCTTGAGTGCAGAAGAGGAAAGTGGAACTCCATGTGTAGCGGTGGAATGCGTAGATATATGGAAGAACACCGGTGGCGAAGGCGGCTCTCTGGTCTGCAACTGACGCTGAGGCTCGAAAGCATGGGTAGCGAACAGGATTAGATACCCTGGTA
>OTU16718;tax=d:Bacteria(1.0000),p:"Proteobacteria"(0.9802),c:Alphaproteobacteria(0.9462),o:Rhodospirillales(0.7995),f:Acetobacteraceae(0.5273),g:Asaia(0.0712);
ACGGAAGGCAGCAGTGGGGAATATTGGACAATGGGCGAAAGCCTGATCCAGCCATGCCGCGTGTATGAAGAAGGTCTTCGGATTGTAAAGTACTTTCGACAGGGACGATGATGACGGTACCTGTAGAAGAAGCCCCGGCTAACTTCGTGCCAGCAGCCGCGGTAATACGAAGGGGGCTAGCGTTACTCGGAATGACTGGGCGTAAAGGGCGCGTAGGCGGCTTATACAGTCAGATGTGAAATTCCTGGGCTTAACCTGGGACCTGCATTTGATACGTATAGGCTAGAGTGTGAGAGAGGATTGTGGAATTCCAAGTGTAGAGGTGAAATTCGTAGATATTTGGAGGAACACCGGTGGCGAAGGCGGCAATCTGGCTCACAACTGACGCTGAGGCGCGAAAGCGTGGGGAGCAAACAGGATTAGATACCCTGGTA
>OTU16719;tax=d:Bacteria(1.0000),p:Firmicutes(0.9168),c:Clostridia(0.6346),o:Clostridiales(0.3639),f:Clostridiales_Incertae_Sedis_XIII(0.1098),g:Anaerovorax(0.0204);
ACGGAAGGCAGCAGTGGTGAATATTGCACAATGGGCGAAAGCCTGATGCATCAACTCCGCGTGATCGAAGAAGGTCTTCGGATCGTAAAGCTCTGTCCTTGGGGAAGATAATGACGGTACCCTTGGAGGAAGCCCCGGCTAACTACGTGCCAGCAGCCGCGGTAATACGTAGGGGGCAGGCGTTATCCGGAATTATTGGGCGTAAAGAGTGCGTAGGTGGTTACCTAAGCAGGGGGTGAAAGGCAATGGCTCAACCATTGGTAGCACCCTGAACTGGGCTACTTGAGTGCAGGAGAGGAAAGCGGAATTCCTAGTGTAGCGGTGAAATGCGTAGATATTAGGAGGAACAACAGGGGGGAAGGCGGGATTCAGGACTGTTACTGACACGGAGGCATGAAAGTGTGGGGAGGAAACAGGATTAGATAACCTGGTA
>OTU16721;tax=d:Bacteria(1.0000),p:"Bacteroidetes"(0.9992),c:"Bacteroidia"(0.9747),o:"Bacteroidales"(0.9280),f:Bacteroidaceae(0.7428),g:Bacteroides(0.6200);
ACGGGAGGCAGCAGTGAGGAATATTGGTCAATGGGCGAAAGCCTGAACCAGCCAAGCCGCGTGAAGGATGAATGCCTTATGGGTTGTAAACTCCTTTTATAAAGGAATAAAGTCGGGTATGCATACCCGTATGCACGTACTTTATGATTAAGGATCGCCTAATACTACGCCAGCAGCCGCCGTAATACGGAGGATCTGAGCGTTATCCGGATTTATTGGGTTTAAAGGGAGCGTAGTTGGATGTTTAAGTCAGTTGTGAAAGTTTGCGGCTCAACCGTAAGATTGCAGTTGATACTGGATATCTTGAGTGCAGTAGAGGCAGGCGGAATTCGTAGTGTAGCGGTGAAATGCTTAGATATCACGAAGAACTCCGATTGCGAAGGCAGCCTGCTAAGCTGCAACTGACATTGAGGCTCGAAAGTGTGGGTATCAAACAGGATTAGATACCCTGGTA

>OTU16720;tax=d:Bacteria(1.0000),p:Firmicutes(0.9987),c:Bacilli(0.9755),o:Lactobacillales(0.8737),f:Entero
coccaceae(0.6350),g:Enterococcus(0.4351);
ACGGGAGGCAGCAGTAGGGAATCTTCGGCAATGGACGCAAGTCTAACGGGCCAACGCCGGGGGGGTGAAAAAGGT
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AGAAAGCCACGGCTACCTAGGTGCCAGCAGCCGCGGTAATACGTAGGTGGCAAGCGTTGTCCGGATTTATTGGGCG
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nospiraceae(0.5632),g:Clostridium_XlVa(0.3043);
ACGGAAGGCAGCAGTGGGGAATATTGCACAATGGGCGAAAGCCTGATGCAGCGACGCCGCGTGAGTGAAGAAGTA
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8737),f:"Prevotellaceae"(0.4914),g:Prevotella(0.3043);
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coccaceae(0.3884),g:Enterococcus(0.1299);
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ridiaceae_1(0.0000),g:Clostridium_sensu_stricto(0.0000);
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9172),f:"Prevotellaceae"(0.8505),g:Prevotella(0.5239);
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8737),f:"Prevotellaceae"(0.6709),g:Prevotella(0.3043);
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9685),f:"Prevotellaceae"(0.9108),g:Prevotella(0.5720);
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8737),f:"Prevotellaceae"(0.6709),g:Prevotella(0.3043);
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nospiraceae(0.5632),g:Clostridium_XlVa(0.3479);
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7252),f:Bacteroidaceae(0.1485),g:Bacteroides(0.0326);
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0781),f:"Porphyromonadaceae"(0.0149),g:Coprobacter(0.0056);
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9889),f:Bacteroidaceae(0.9666),g:Bacteroides(0.9762);
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0352),f:"Porphyromonadaceae"(0.0086),g:Coprobacter(0.0043);
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nospiraceae(0.7068),g:Roseburia(0.4787);
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nospiraceae(0.7068),g:Roseburia(0.4351);
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5023),f:"Prevotellaceae"(0.1098),g:Alloprevotella(0.0204);
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.9942),f:"Fusobacteriaceae"(0.9887),g:Fusobacterium(0.0904);
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6509),f:"Prevotellaceae"(0.3544),g:Prevotella(0.0326);
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1483),f:"Porphyromonadaceae"(0.0355),g:Barnesiella(0.0066);
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2679),f:"Porphyromonadaceae"(0.1098),g:Barnesiella(0.0157);
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riales"(0.0413),f:Sphingobacteriaceae(0.0099),g:Olivibacter(0.0046);
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acillaceae(0.9015),g:Lactobacillus(0.8124);
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acillaceae(0.5632),g:Lactobacillus(0.1299);
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0413),f:"Porphyromonadaceae"(0.0099),g:Coprobacter(0.0046);
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3639),f:"Prevotellaceae"(0.1679),g:Prevotella(0.0326);
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