

Table S2. Tukey multiple comparisons of means (95% family-wise confidence level) based on ANOVA results of the abundance of bacteria and archaea estimated by quantitative PCR. Significantly different samples (with p-value < 0.05) are marked by bold. Significant codes are analogous to Table S1.

BACTERIA								
	Df	Sum_Sq	Mean_Sq	F_value	Pr(>F)	significance		
Sample	20	2.70E+20	1.35E+19	30.17	<2e-16	***		
Residuals	94	4.21E+19	4.48E+17					
ARCHAEA								
Sample	20	2.67E+14	1.34E+13	11.35	<2e-16	***		
Residuals	94	1.11E+14	1.18E+12					
Signif.codes:								
0_***_0.001_**_0.01_*_0.05_._0.1_''_1								
BACTERIA					ARCHAEA			
	diff	lwr	upr	p	significance	significance		
M1.C4-M1.C1	-2.00E+05	-1.6E+09	1.56E+09	1	19420	-2501090	2539930	1
M2.AY-M1.C1	1.26E+07	-1.5E+09	1.57E+09	1	840220	-1680290	3360730	0.999673
M2.BF-M1.C1	5.12E+06	-1.6E+09	1.56E+09	1	420420	-2100090	2940930	1
M2.C-M1.C1	1.58E+06	-1.3E+09	1.35E+09	1	111120	-2071706	2293946	1
M3.BC-M1.C1	4.41E+06	-1.6E+09	1.56E+09	1	147420	-2373090	2667930	1
M3.BF-M1.C1	9.12E+06	-1.3E+09	1.36E+09	1	619720	-1563106	2802546	0.999971
M3.C-M1.C1	3.18E+06	-1.6E+09	1.56E+09	1	73940	-2446570	2594450	1
M3.E-M1.C1	2.87E+07	-1.5E+09	1.58E+09	1	116420	-2404090	2636930	1
M3.O-M1.C1	2.66E+07	-1.5E+09	1.58E+09	1	230220	-2290290	2750730	1
M4.BC-M1.C1	-1.18E+06	-1.6E+09	1.55E+09	1	-133780	-2654290	2386730	1
M4.BF-M1.C1	-1.81E+05	-1.6E+09	1.56E+09	1	666220	-1854290	3186730	0.999991
M4.C-M1.C1	-1.18E+06	-1.6E+09	1.55E+09	1	706220	-1814290	3226730	0.999976

M4.E-M1.C1	2.40E+09	8.42E+08	3.95E+09	3.15E-05	***	3166220	645710.1	5686730	0.002134
M4.O-M1.C1	3.00E+09	1.44E+09	4.55E+09	1E-07	***	2066220	-454290	4586730	0.263267
M5.BC-M1.C1	-9.81E+05	-1.6E+09	1.55E+09	1		1666220	-854290	4186730	0.662071
M5.BF-M1.C1	-5.81E+05	-1.6E+09	1.55E+09	1		2866220	345710.1	5386730	0.010146
M5.E-M1.C1	2.50E+09	9.42E+08	4.05E+09	1.13E-05	***	1966220	-554290	4486730	0.349437
M5.O-M1.C1	6.50E+09	4.94E+09	8.05E+09	0		6666220	4145710	9186730	0
M1.C3-M1.C2	-8.20E+04	-1.6E+09	1.56E+09	1		27200	-2493310	2547710	1
M1.C4-M1.C2	8.30E+04	-1.6E+09	1.56E+09	1		29000	-2491510	2549510	1
M2.AY-M1.C2	1.29E+07	-1.5E+09	1.57E+09	1		849800	-1670710	3370310	0.999616
M2.BF-M1.C2	5.41E+06	-1.6E+09	1.56E+09	1		430000	-2090510	2950510	1
M2.C-M1.C2	1.86E+06	-1.3E+09	1.35E+09	1		120700	-2062126	2303526	1
M3.BC-M1.C2	4.69E+06	-1.6E+09	1.56E+09	1		157000	-2363510	2677510	1
M3.BF-M1.C2	9.40E+06	-1.3E+09	1.36E+09	1		629300	-1553526	2812126	0.999963
M3.C-M1.C2	3.47E+06	-1.6E+09	1.56E+09	1		83520	-2436990	2604030	1
M3.E-M1.C2	2.90E+07	-1.5E+09	1.58E+09	1		126000	-2394510	2646510	1
M3.O-M1.C2	2.69E+07	-1.5E+09	1.58E+09	1		239800	-2280710	2760310	1
M4.BC-M1.C2	-8.98E+05	-1.6E+09	1.55E+09	1		-124200	-2644710	2396310	1
M4.BF-M1.C2	1.02E+05	-1.6E+09	1.56E+09	1		675800	-1844710	3196310	0.999988
M4.C-M1.C2	-8.98E+05	-1.6E+09	1.55E+09	1		715800	-1804710	3236310	0.999971
M4.E-M1.C2	2.40E+09	8.43E+08	3.95E+09	3.14E-05	***	3175800	655290.1	5696310	0.002026
M4.O-M1.C2	3.00E+09	1.44E+09	4.55E+09	1E-07	***	2075800	-444710	4596310	0.25578
M5.BC-M1.C2	-6.98E+05	-1.6E+09	1.55E+09	1		1675800	-844710	4196310	0.651995
M5.BF-M1.C2	-2.98E+05	-1.6E+09	1.56E+09	1		2875800	355290.1	5396310	0.009675
M5.E-M1.C2	2.50E+09	9.43E+08	4.05E+09	1.13E-05	***	1975800	-544710	4496310	0.340579
M5.O-M1.C2	6.50E+09	4.94E+09	8.05E+09	0		6675800	4155290	9196310	0
M1.C4-M1.C3	1.65E+05	-1.6E+09	1.56E+09	1		1800	-2518710	2522310	1
M2.AY-M1.C3	1.30E+07	-1.5E+09	1.57E+09	1		822600	-1697910	3343110	0.99976
M2.BF-M1.C3	5.49E+06	-1.6E+09	1.56E+09	1		402800	-2117710	2923310	1
M2.C-M1.C3	1.94E+06	-1.3E+09	1.35E+09	1		93500	-2089326	2276326	1

M3.BC-M1.C3	4.77E+06	-1.6E+09	1.56E+09	1		129800	-2390710	2650310	1
M3.BF-M1.C3	9.48E+06	-1.3E+09	1.36E+09	1		602100	-1580726	2784926	0.999982
M3.C-M1.C3	3.55E+06	-1.6E+09	1.56E+09	1		56320	-2464190	2576830	1
M3.E-M1.C3	2.91E+07	-1.5E+09	1.58E+09	1		98800	-2421710	2619310	1
M3.O-M1.C3	2.70E+07	-1.5E+09	1.58E+09	1		212600	-2307910	2733110	1
M4.BC-M1.C3	-8.16E+05	-1.6E+09	1.55E+09	1		-151400	-2671910	2369110	1
M4.BF-M1.C3	1.84E+05	-1.6E+09	1.56E+09	1		648600	-1871910	3169110	0.999994
M4.C-M1.C3	-8.16E+05	-1.6E+09	1.55E+09	1		688600	-1831910	3209110	0.999984
M4.E-M1.C3	2.40E+09	8.43E+08	3.95E+09	3.13E-05	***	3148600	628090.1	5669110	0.002348
M4.O-M1.C3	3.00E+09	1.44E+09	4.55E+09	1E-07	***	2048600	-471910	4569110	0.277399
M5.BC-M1.C3	-6.16E+05	-1.6E+09	1.55E+09	1		1648600	-871910	4169110	0.680415
M5.BF-M1.C3	-2.16E+05	-1.6E+09	1.56E+09	1		2848600	328090.1	5369110	0.011067
M5.E-M1.C3	2.50E+09	9.43E+08	4.05E+09	1.13E-05	***	1948600	-571910	4469110	0.366035
M5.O-M1.C3	6.50E+09	4.94E+09	8.05E+09	0		6648600	4128090	9169110	0
M2.AY-M1.C4	1.28E+07	-1.5E+09	1.57E+09	1		820800	-1699710	3341310	0.999767
M2.BF-M1.C4	5.32E+06	-1.6E+09	1.56E+09	1		401000	-2119510	2921510	1
M2.C-M1.C4	1.78E+06	-1.3E+09	1.35E+09	1		91700	-2091126	2274526	1
M3.BC-M1.C4	4.61E+06	-1.6E+09	1.56E+09	1		128000	-2392510	2648510	1
M3.BF-M1.C4	9.32E+06	-1.3E+09	1.36E+09	1		600300	-1582526	2783126	0.999983
M3.C-M1.C4	3.38E+06	-1.6E+09	1.56E+09	1		54520	-2465990	2575030	1
M3.E-M1.C4	2.89E+07	-1.5E+09	1.58E+09	1		97000	-2423510	2617510	1
M3.O-M1.C4	2.68E+07	-1.5E+09	1.58E+09	1		210800	-2309710	2731310	1
M4.BC-M1.C4	-9.81E+05	-1.6E+09	1.55E+09	1		-153200	-2673710	2367310	1
M4.BF-M1.C4	1.90E+04	-1.6E+09	1.56E+09	1		646800	-1873710	3167310	0.999994
M4.C-M1.C4	-9.81E+05	-1.6E+09	1.55E+09	1		686800	-1833710	3207310	0.999985
M4.E-M1.C4	2.40E+09	8.43E+08	3.95E+09	3.14E-05	***	3146800	626290.1	5667310	0.00237
M4.O-M1.C4	3.00E+09	1.44E+09	4.55E+09	1E-07	***	2046800	-473710	4567310	0.278868
M5.BC-M1.C4	-7.81E+05	-1.6E+09	1.55E+09	1		1646800	-873710	4167310	0.682274
M5.BF-M1.C4	-3.81E+05	-1.6E+09	1.56E+09	1		2846800	326290.1	5367310	0.011165

M5.E-M1.C4	2.50E+09	9.43E+08	4.05E+09	1.13E-05	***	1946800	-573710	4467310	0.367752
M5.O-M1.C4	6.50E+09	4.94E+09	8.05E+09	0		6646800	4126290	9167310	0
M2.BF-M2.AY	-7.52E+06	-1.6E+09	1.55E+09	1		-419800	-2940310	2100710	1
M2.C-M2.AY	-1.11E+07	-1.4E+09	1.34E+09	1		-729100	-2911926	1453726	0.999664
M3.BC-M2.AY	-8.23E+06	-1.6E+09	1.55E+09	1		-692800	-3213310	1827710	0.999983
M3.BF-M2.AY	-3.52E+06	-1.4E+09	1.34E+09	1		-220500	-2403326	1962326	1
M3.C-M2.AY	-9.46E+06	-1.6E+09	1.55E+09	1		-766280	-3286790	1754230	0.999916
M3.E-M2.AY	1.61E+07	-1.5E+09	1.57E+09	1		-723800	-3244310	1796710	0.999965
M3.O-M2.AY	1.40E+07	-1.5E+09	1.57E+09	1		-610000	-3130510	1910510	0.999998
M4.BC-M2.AY	-1.38E+07	-1.6E+09	1.54E+09	1		-974000	-3494510	1546510	0.997557
M4.BF-M2.AY	-1.28E+07	-1.6E+09	1.54E+09	1		-174000	-2694510	2346510	1
M4.C-M2.AY	-1.38E+07	-1.6E+09	1.54E+09	1		-134000	-2654510	2386510	1
M4.E-M2.AY	2.39E+09	8.3E+08	3.94E+09	3.57E-05	***	2326000	-194510	4846510	0.109095
M4.O-M2.AY	2.99E+09	1.43E+09	4.54E+09	1E-07	***	1226000	-1294510	3746510	0.966468
M5.BC-M2.AY	-1.36E+07	-1.6E+09	1.54E+09	1		826000	-1694510	3346510	0.999745
M5.BF-M2.AY	-1.32E+07	-1.6E+09	1.54E+09	1		2026000	-494510	4546510	0.296201
M5.E-M2.AY	2.49E+09	9.3E+08	4.04E+09	1.29E-05	***	1126000	-1394510	3646510	0.9862
M5.O-M2.AY	6.49E+09	4.93E+09	8.04E+09	0		5826000	3305490	8346510	0
M2.C-M2.BF	-3.55E+06	-1.4E+09	1.34E+09	1		-309300	-2492126	1873526	1
M3.BC-M2.BF	-7.18E+05	-1.6E+09	1.55E+09	1		-273000	-2793510	2247510	1
M3.BF-M2.BF	3.99E+06	-1.3E+09	1.35E+09	1		199300	-1983526	2382126	1
M3.C-M2.BF	-1.94E+06	-1.6E+09	1.55E+09	1		-346480	-2866990	2174030	1
M3.E-M2.BF	2.36E+07	-1.5E+09	1.58E+09	1		-304000	-2824510	2216510	1
M3.O-M2.BF	2.15E+07	-1.5E+09	1.58E+09	1		-190200	-2710710	2330310	1
M4.BC-M2.BF	-6.30E+06	-1.6E+09	1.55E+09	1		-554200	-3074710	1966310	1
M4.BF-M2.BF	-5.30E+06	-1.6E+09	1.55E+09	1		245800	-2274710	2766310	1
M4.C-M2.BF	-6.30E+06	-1.6E+09	1.55E+09	1		285800	-2234710	2806310	1
M4.E-M2.BF	2.39E+09	8.37E+08	3.95E+09	3.31E-05	***	2745800	225290.1	5266310	0.018169
M4.O-M2.BF	2.99E+09	1.44E+09	4.55E+09	1E-07	***	1645800	-874710	4166310	0.683305

M5.BC-M2.BF	-6.10E+06	-1.6E+09	1.55E+09	1		1245800	-1274710	3766310	0.960816
M5.BF-M2.BF	-5.70E+06	-1.6E+09	1.55E+09	1		2445800	-74709.9	4966310	0.068222
M5.E-M2.BF	2.49E+09	9.37E+08	4.05E+09	1.19E-05	***	1545800	-974710	4066310	0.780404
M5.O-M2.BF	6.49E+09	4.94E+09	8.05E+09	0		6245800	3725290	8766310	0
M3.BC-M2.C	2.83E+06	-1.3E+09	1.35E+09	1		36300	-2146526	2219126	1
M3.BF-M2.C	7.54E+06	-1.1E+09	1.11E+09	1		508600	-1273670	2290870	0.999969
M3.C-M2.C	1.61E+06	-1.3E+09	1.35E+09	1		-37180	-2220006	2145646	1
M3.E-M2.C	2.71E+07	-1.3E+09	1.37E+09	1		5300	-2177526	2188126	1
M3.O-M2.C	2.50E+07	-1.3E+09	1.37E+09	1		119100	-2063726	2301926	1
M4.BC-M2.C	-2.76E+06	-1.3E+09	1.34E+09	1		-244900	-2427726	1937926	1
M4.BF-M2.C	-1.76E+06	-1.3E+09	1.35E+09	1		555100	-1627726	2737926	0.999995
M4.C-M2.C	-2.76E+06	-1.3E+09	1.34E+09	1		595100	-1587726	2777926	0.999985
M4.E-M2.C	2.40E+09	1.05E+09	3.74E+09	7E-07	***	3055100	872274.4	5237926	0.000275
M4.O-M2.C	3.00E+09	1.65E+09	4.34E+09	0		1955100	-227726	4137926	0.140242
M5.BC-M2.C	-2.56E+06	-1.3E+09	1.34E+09	1		1555100	-627726	3737926	0.523015
M5.BF-M2.C	-2.16E+06	-1.3E+09	1.35E+09	1		2755100	572274.4	4937926	0.001966
M5.E-M2.C	2.50E+09	1.15E+09	3.84E+09	2E-07	***	1855100	-327726	4037926	0.207837
M5.O-M2.C	6.50E+09	5.15E+09	7.84E+09	0		6555100	4372274	8737926	0
M3.BF-M3.BC	4.71E+06	-1.3E+09	1.35E+09	1		472300	-1710526	2655126	1
M3.C-M3.BC	-1.22E+06	-1.6E+09	1.55E+09	1		-73480	-2593990	2447030	1
M3.E-M3.BC	2.43E+07	-1.5E+09	1.58E+09	1		-31000	-2551510	2489510	1
M3.O-M3.BC	2.22E+07	-1.5E+09	1.58E+09	1		82800	-2437710	2603310	1
M4.BC-M3.BC	-5.59E+06	-1.6E+09	1.55E+09	1		-281200	-2801710	2239310	1
M4.BF-M3.BC	-4.59E+06	-1.6E+09	1.55E+09	1		518800	-2001710	3039310	1
M4.C-M3.BC	-5.59E+06	-1.6E+09	1.55E+09	1		558800	-1961710	3079310	1
M4.E-M3.BC	2.39E+09	8.38E+08	3.95E+09	3.29E-05	***	3018800	498290.1	5539310	0.004674
M4.O-M3.BC	2.99E+09	1.44E+09	4.55E+09	1E-07	***	1918800	-601710	4439310	0.394955
M5.BC-M3.BC	-5.39E+06	-1.6E+09	1.55E+09	1		1518800	-1001710	4039310	0.804045
M5.BF-M3.BC	-4.99E+06	-1.6E+09	1.55E+09	1		2718800	198290.1	5239310	0.020627

M5.E-M3.BC	2.49E+09	9.38E+08	4.05E+09	1.19E-05	***	1818800	-701710	4339310	0.498212
M5.O-M3.BC	6.49E+09	4.94E+09	8.05E+09	0		6518800	3998290	9039310	0
M3.C-M3.BF	-5.93E+06	-1.4E+09	1.34E+09	1		-545780	-2728606	1637046	0.999996
M3.E-M3.BF	1.96E+07	-1.3E+09	1.37E+09	1		-503300	-2686126	1679526	0.999999
M3.O-M3.BF	1.75E+07	-1.3E+09	1.36E+09	1		-389500	-2572326	1793326	1
M4.BC-M3.BF	-1.03E+07	-1.4E+09	1.34E+09	1		-753500	-2936326	1429326	0.999464
M4.BF-M3.BF	-9.30E+06	-1.4E+09	1.34E+09	1		46500	-2136326	2229326	1
M4.C-M3.BF	-1.03E+07	-1.4E+09	1.34E+09	1		86500	-2096326	2269326	1
M4.E-M3.BF	2.39E+09	1.04E+09	3.74E+09	7E-07	***	2546500	363674.4	4729326	0.006993
M4.O-M3.BF	2.99E+09	1.64E+09	4.34E+09	0		1446500	-736326	3629326	0.657815
M5.BC-M3.BF	-1.01E+07	-1.4E+09	1.34E+09	1		1046500	-1136326	3229326	0.97096
M5.BF-M3.BF	-9.70E+06	-1.4E+09	1.34E+09	1		2246500	63674.43	4429326	0.036365
M5.E-M3.BF	2.49E+09	1.14E+09	3.84E+09	2E-07	***	1346500	-836326	3529326	0.772243
M5.O-M3.BF	6.49E+09	5.14E+09	7.84E+09	0		6046500	3863674	8229326	0
M3.E-M3.C	2.55E+07	-1.5E+09	1.58E+09	1		42480	-2478030	2562990	1
M3.O-M3.C	2.34E+07	-1.5E+09	1.58E+09	1		156280	-2364230	2676790	1
M4.BC-M3.C	-4.37E+06	-1.6E+09	1.55E+09	1		-207720	-2728230	2312790	1
M4.BF-M3.C	-3.37E+06	-1.6E+09	1.55E+09	1		592280	-1928230	3112790	0.999999
M4.C-M3.C	-4.37E+06	-1.6E+09	1.55E+09	1		632280	-1888230	3152790	0.999996
M4.E-M3.C	2.39E+09	8.39E+08	3.95E+09	3.25E-05	***	3092280	571770.1	5612790	0.003175
M4.O-M3.C	2.99E+09	1.44E+09	4.55E+09	1E-07	***	1992280	-528230	4512790	0.325626
M5.BC-M3.C	-4.17E+06	-1.6E+09	1.55E+09	1		1592280	-928230	4112790	0.736931
M5.BF-M3.C	-3.77E+06	-1.6E+09	1.55E+09	1		2792280	271770.1	5312790	0.014556
M5.E-M3.C	2.49E+09	9.39E+08	4.05E+09	1.17E-05	***	1892280	-628230	4412790	0.421506
M5.O-M3.C	6.49E+09	4.94E+09	8.05E+09	0		6592280	4071770	9112790	0
M3.O-M3.E	-2.12E+06	-1.6E+09	1.55E+09	1		113800	-2406710	2634310	1
M4.BC-M3.E	-2.99E+07	-1.6E+09	1.53E+09	1		-250200	-2770710	2270310	1
M4.BF-M3.E	-2.89E+07	-1.6E+09	1.53E+09	1		549800	-1970710	3070310	1
M4.C-M3.E	-2.99E+07	-1.6E+09	1.53E+09	1		589800	-1930710	3110310	0.999999

M4.E-M3.E	2.37E+09	8.14E+08	3.92E+09	0.000042	***	3049800	529290.1	5570310	0.003974
M4.O-M3.E	2.97E+09	1.41E+09	4.52E+09	1E-07	***	1949800	-570710	4470310	0.364892
M5.BC-M3.E	-2.97E+07	-1.6E+09	1.53E+09	1		1549800	-970710	4070310	0.776795
M5.BF-M3.E	-2.93E+07	-1.6E+09	1.53E+09	1		2749800	229290.1	5270310	0.017829
M5.E-M3.E	2.47E+09	9.14E+08	4.02E+09	1.52E-05	***	1849800	-670710	4370310	0.46538
M5.O-M3.E	6.47E+09	4.91E+09	8.02E+09	0		6549800	4029290	9070310	0
M4.BC-M3.O	-2.78E+07	-1.6E+09	1.53E+09	1		-364000	-2884510	2156510	1
M4.BF-M3.O	-2.68E+07	-1.6E+09	1.53E+09	1		436000	-2084510	2956510	1
M4.C-M3.O	-2.78E+07	-1.6E+09	1.53E+09	1		476000	-2044510	2996510	1
M4.E-M3.O	2.37E+09	8.16E+08	3.93E+09	4.11E-05	***	2936000	415490.1	5456510	0.007152
M4.O-M3.O	2.97E+09	1.42E+09	4.53E+09	1E-07	***	1836000	-684510	4356510	0.479925
M5.BC-M3.O	-2.76E+07	-1.6E+09	1.53E+09	1		1436000	-1084510	3956510	0.867924
M5.BF-M3.O	-2.72E+07	-1.6E+09	1.53E+09	1		2636000	115490.1	5156510	0.03016
M5.E-M3.O	2.47E+09	9.16E+08	4.03E+09	1.49E-05	***	1736000	-784510	4256510	0.58754
M5.O-M3.O	6.47E+09	4.92E+09	8.03E+09	0		6436000	3915490	8956510	0
M4.BF-M4.BC	1.00E+06	-1.6E+09	1.56E+09	1		800000	-1720510	3320510	0.99984
M4.C-M4.BC	-3.98E-05	-1.6E+09	1.56E+09	1		840000	-1680510	3360510	0.999675
M4.E-M4.BC	2.40E+09	8.44E+08	3.95E+09	3.11E-05	***	3300000	779490.1	5820510	0.00102
M4.O-M4.BC	3.00E+09	1.44E+09	4.55E+09	1E-07	***	2200000	-320510	4720510	0.17146
M5.BC-M4.BC	2.00E+05	-1.6E+09	1.56E+09	1		1800000	-720510	4320510	0.51836
M5.BF-M4.BC	6.00E+05	-1.6E+09	1.56E+09	1		3000000	479490.1	5520510	0.005153
M5.E-M4.BC	2.50E+09	9.44E+08	4.05E+09	1.12E-05	***	2100000	-420510	4620510	0.237493
M5.O-M4.BC	6.50E+09	4.94E+09	8.05E+09	0		6800000	4279490	9320510	0
M4.C-M4.BF	-1.00E+06	-1.6E+09	1.55E+09	1		40000	-2480510	2560510	1
M4.E-M4.BF	2.40E+09	8.43E+08	3.95E+09	3.14E-05	***	2500000	-20509.9	5020510	0.054524
M4.O-M4.BF	3.00E+09	1.44E+09	4.55E+09	1E-07	***	1400000	-1120510	3920510	0.891289
M5.BC-M4.BF	-8.00E+05	-1.6E+09	1.55E+09	1		1000000	-1520510	3520510	0.99659
M5.BF-M4.BF	-4.00E+05	-1.6E+09	1.56E+09	1		2200000	-320510	4720510	0.17146
M5.E-M4.BF	2.50E+09	9.43E+08	4.05E+09	1.13E-05	***	1300000	-1220510	3820510	0.941781

M5.O-M4.BF	6.50E+09	4.94E+09	8.05E+09	0		6000000	3479490	8520510	0
M4.E-M4.C	2.40E+09	8.44E+08	3.95E+09	3.11E-05	***	2460000	-60509.9	4980510	0.064376
M4.O-M4.C	3.00E+09	1.44E+09	4.55E+09	1E-07	***	1360000	-1160510	3880510	0.914001
M5.BC-M4.C	2.00E+05	-1.6E+09	1.56E+09	1		960000	-1560510	3480510	0.997973
M5.BF-M4.C	6.00E+05	-1.6E+09	1.56E+09	1		2160000	-360510	4680510	0.196039
M5.E-M4.C	2.50E+09	9.44E+08	4.05E+09	1.12E-05	***	1260000	-1260510	3780510	0.956348
M5.O-M4.C	6.50E+09	4.94E+09	8.05E+09	0	***	5960000	3439490	8480510	0
M4.O-M4.E	6.00E+08	-9.6E+08	2.16E+09	0.997615		-1100000	-3620510	1420510	0.98937
M5.BC-M4.E	-2.40E+09	-4E+09	-8.4E+08	3.11E-05	***	-1500000	-4020510	1020510	0.819731
M5.BF-M4.E	-2.40E+09	-4E+09	-8.4E+08	3.13E-05	***	-300000	-2820510	2220510	1
M5.E-M4.E	1.00E+08	-1.5E+09	1.66E+09	1		-1200000	-3720510	1320510	0.972933
M5.O-M4.E	4.10E+09	2.54E+09	5.66E+09	0		3500000	979490.1	6020510	0.000324
M5.BC-M4.O	-3.00E+09	-4.6E+09	-1.4E+09	1E-07	***	-400000	-2920510	2120510	1
M5.BF-M4.O	-3.00E+09	-4.6E+09	-1.4E+09	1E-07	***	800000	-1720510	3320510	0.99984
M5.E-M4.O	-5.00E+08	-2.1E+09	1.06E+09	0.999808		-100000	-2620510	2420510	1
M5.O-M4.O	3.50E+09	1.94E+09	5.06E+09	0	***	4600000	2079490	7120510	3E-07
M5.BF-M5.BC	4.00E+05	-1.6E+09	1.56E+09	1		1200000	-1320510	3720510	0.972933
M5.E-M5.BC	2.50E+09	9.43E+08	4.05E+09	1.12E-05	***	300000	-2220510	2820510	1
M5.O-M5.BC	6.50E+09	4.94E+09	8.05E+09	0		5000000	2479490	7520510	0
M5.E-M5.BF	2.50E+09	9.43E+08	4.05E+09	1.13E-05	***	-900000	-3420510	1620510	0.999143
M5.O-M5.BF	6.50E+09	4.94E+09	8.05E+09	0		3800000	1279490	6320510	5.34E-05
M5.O-M5.E	4.00E+09	2.44E+09	5.56E+09	0		4700000	2179490	7220510	2E-07