

**Supplementary Table 1.** Primers used in the metagenomics assay.

Primer	Adapter	Index	Estabilizer	Especific 16S rRNA
0	CAAGCAGAAGACGGCATAACGAGAT	TCCCTTGTCTCC	AGTCAGTCAGCC	GGACTACHVGGGTWTCTAAT
1	CAAGCAGAAGACGGCATAACGAGAT	ACGAGACTGATT	AGTCAGTCAGCC	GGACTACHVGGGTWTCTAAT
2	CAAGCAGAAGACGGCATAACGAGAT	GCTGTACGGATT	AGTCAGTCAGCC	GGACTACHVGGGTWTCTAAT
3	CAAGCAGAAGACGGCATAACGAGAT	ATCACCAGGTGT	AGTCAGTCAGCC	GGACTACHVGGGTWTCTAAT
4	CAAGCAGAAGACGGCATAACGAGAT	TGGTCAACGATA	AGTCAGTCAGCC	GGACTACHVGGGTWTCTAAT
5	CAAGCAGAAGACGGCATAACGAGAT	ATCGCACAGTAA	AGTCAGTCAGCC	GGACTACHVGGGTWTCTAAT
6	CAAGCAGAAGACGGCATAACGAGAT	GTCGTGTAGCCT	AGTCAGTCAGCC	GGACTACHVGGGTWTCTAAT
7	CAAGCAGAAGACGGCATAACGAGAT	AGCGGAGGTTAG	AGTCAGTCAGCC	GGACTACHVGGGTWTCTAAT
8	CAAGCAGAAGACGGCATAACGAGAT	ATCCTTTGGTTC	AGTCAGTCAGCC	GGACTACHVGGGTWTCTAAT
9	CAAGCAGAAGACGGCATAACGAGAT	TACAGCGCATAC	AGTCAGTCAGCC	GGACTACHVGGGTWTCTAAT
10	CAAGCAGAAGACGGCATAACGAGAT	ACCGGTATGTAC	AGTCAGTCAGCC	GGACTACHVGGGTWTCTAAT
11	CAAGCAGAAGACGGCATAACGAGAT	AATTGTGTCGGA	AGTCAGTCAGCC	GGACTACHVGGGTWTCTAAT
12	CAAGCAGAAGACGGCATAACGAGAT	TGCATACACTGG	AGTCAGTCAGCC	GGACTACHVGGGTWTCTAAT
13	CAAGCAGAAGACGGCATAACGAGAT	AGTCGAACGAGG	AGTCAGTCAGCC	GGACTACHVGGGTWTCTAAT
14	CAAGCAGAAGACGGCATAACGAGAT	ACCAGTGACTCA	AGTCAGTCAGCC	GGACTACHVGGGTWTCTAAT
15	CAAGCAGAAGACGGCATAACGAGAT	GAATACCAAGTC	AGTCAGTCAGCC	GGACTACHVGGGTWTCTAAT
16	CAAGCAGAAGACGGCATAACGAGAT	GTAGATCGTGTA	AGTCAGTCAGCC	GGACTACHVGGGTWTCTAAT
17	CAAGCAGAAGACGGCATAACGAGAT	TAACGTGTGTGC	AGTCAGTCAGCC	GGACTACHVGGGTWTCTAAT
18	CAAGCAGAAGACGGCATAACGAGAT	CATTATGGCGTG	AGTCAGTCAGCC	GGACTACHVGGGTWTCTAAT
19	CAAGCAGAAGACGGCATAACGAGAT	CCAATACGCCTG	AGTCAGTCAGCC	GGACTACHVGGGTWTCTAAT
20	CAAGCAGAAGACGGCATAACGAGAT	GATCTGCGATCC	AGTCAGTCAGCC	GGACTACHVGGGTWTCTAAT
21	CAAGCAGAAGACGGCATAACGAGAT	CAGCTCATCAGC	AGTCAGTCAGCC	GGACTACHVGGGTWTCTAAT
22	CAAGCAGAAGACGGCATAACGAGAT	CAAACAACAGCT	AGTCAGTCAGCC	GGACTACHVGGGTWTCTAAT
23	CAAGCAGAAGACGGCATAACGAGAT	GCAACACCATCC	AGTCAGTCAGCC	GGACTACHVGGGTWTCTAAT
24	CAAGCAGAAGACGGCATAACGAGAT	GCGATATATCGC	AGTCAGTCAGCC	GGACTACHVGGGTWTCTAAT
25	CAAGCAGAAGACGGCATAACGAGAT	CGAGCAATCCTA	AGTCAGTCAGCC	GGACTACHVGGGTWTCTAAT
26	CAAGCAGAAGACGGCATAACGAGAT	AGTCGTGCACAT	AGTCAGTCAGCC	GGACTACHVGGGTWTCTAAT
27	CAAGCAGAAGACGGCATAACGAGAT	GTATCTGCGCGT	AGTCAGTCAGCC	GGACTACHVGGGTWTCTAAT
28	CAAGCAGAAGACGGCATAACGAGAT	CGAGGGAAAGTC	AGTCAGTCAGCC	GGACTACHVGGGTWTCTAAT
29	CAAGCAGAAGACGGCATAACGAGAT	CAAATTCGGGAT	AGTCAGTCAGCC	GGACTACHVGGGTWTCTAAT
30	CAAGCAGAAGACGGCATAACGAGAT	AGTTACGAGCTA	AGTCAGTCAGCC	GGACTACHVGGGTWTCTAAT

\*Primer forward sequence (F) is the same for all samples:  
(AATGATACGGCGACCACCGAGATCTACACTATGGTAATTGTGTGCCAGCMGCCGCGGTAA)

**Supplementary Table 2.** Statistical analyzes of the *Aedes* sp. Microbiome from different locality - PERMANOVA analysis (D\_0 UniFrac).

Variable		Groups	Pseudo-f statistic	p-value
Locality		SC, RJ and MG	1.54482	0.10573
Group 1	Group 2	Pseudo-f statistic	p-value	p-value (Bonferroni)
SC	RJ	1.43406	0.15376	0.46128
SC	MG	0.72792	0.61701	1.00000
RJ	MG	2.72587	0.02471	0.07413

\*SC (Santa Catarina), RJ (Rio de Janeiro) and MG (Minas Gerais).