

**Table S1.** PCR primers used in this study.

Locus	Direction	Name	Adapter sequence	Barcode	Linker	Priming region
<b>Bacterial 16S rDNA</b>	forward	27f-pybase	GCCTTGCCAGCCCGTCAG		TC	AGAGTTTGATCCTGGCTCAG
		338r-py19	GCCTCCCTCGCGCCATCAG	ACCTGTTC	CA	TGCTGCCTCCCGTAGGAGT
		338r-py20	GCCTCCCTCGCGCCATCAG	AGAGGACT	CA	TGCTGCCTCCCGTAGGAGT
		338r-py21	GCCTCCCTCGCGCCATCAG	ATGGCCAT	CA	TGCTGCCTCCCGTAGGAGT
		338r-py22	GCCTCCCTCGCGCCATCAG	CAAGTCCA	CA	TGCTGCCTCCCGTAGGAGT
		338r-py23	GCCTCCCTCGCGCCATCAG	CAGTAGTC	CA	TGCTGCCTCCCGTAGGAGT
	reverse	338r-py24	GCCTCCCTCGCGCCATCAG	CCAAGGAA	CA	TGCTGCCTCCCGTAGGAGT
		338r-py25	GCCTCCCTCGCGCCATCAG	CGAAGGTA	CA	TGCTGCCTCCCGTAGGAGT
		338r-py26	GCCTCCCTCGCGCCATCAG	CTACTCGT	CA	TGCTGCCTCCCGTAGGAGT
		338r-py27	GCCTCCCTCGCGCCATCAG	CTGTGTCT	CA	TGCTGCCTCCCGTAGGAGT
		338r-py28	GCCTCCCTCGCGCCATCAG	GAGACACA	CA	TGCTGCCTCCCGTAGGAGT
		338r-py29	GCCTCCCTCGCGCCATCAG	GATGCTAC	CA	TGCTGCCTCCCGTAGGAGT
		338r-py30	GCCTCCCTCGCGCCATCAG	GTAGTCCA	CA	TGCTGCCTCCCGTAGGAGT