

S2 Table: Primers, probes and cycling conditions

		Forward primer	Reverse primer	Probe	PCR cycling conditions
A	qPCR	16S-F1(5'-CGA AAG CGT GGG GAG CAA A -3')	16S-R1(5'-GTT CGT ACT CCC CAG GCG G-3')	16S-P1 (FAM- ATT AGA TAC CCT GGT AGT CCA –MGB	45 cycles 50 °C 95 °C 95 °C 60 °C 72 °C 2min 10min 15s 60s 1s
B	Short PCR	(515Fshort) GTGCCAGCHGCGYGCGGT	(806Rshort) GGACTACNNGGGTNTCTAAT	-	10 cycles 95 °C 95 °C 50 °C 72 °C 72 °C 4 °C 3min 30s 30s 1s 5min ∞
C	Long PCR	(515Flong) GTGCCAGCHGCGYGCGGT	(806Rlong_barcoded) GGACTACNNGGGTNTCTAAT	-	30 cycles 95 °C 95 °C 50 °C 72 °C 72 °C 4 °C 3min 30s 30s 1s 5min ∞