

Table S1 Selection of PCR primers for V3 to V1 region of bacterial 16S genes. The primers were compared with all bacterial 16S rRNA genes with length > 1200 bp in the Ribosomal Database Project (RDP) database.

Primer	Nucleotide Sequence	Exact match		Allow 1 mismatch		Source
		Match/Total	Coverage	Match/Total	Coverage	
27F1	AGAGTTTGATCCTGGCTCAG	110916/195967	56.59%	162847/195967	83.10%	HMP protocol
27F2	AGAGTTTGATC M TGGCTCAG	134274/195967	68.51%	172179/195967	87.86%	This study
534R	ATTACCGCGGCTGCTGG	847256/962203	88.05%	954231/962203	99.17%	HMP protocol
533R	TTACCGCGGCTGCTGGC	878332/962203	91.28%	955548/962203	99.31%	This study