Supplementary table

Primers used in qPCR for determining G+/G- ratio and 16S rRNA pyrosequencing

Primers	Sequence (5'→3')
Forward primer for Gram positive bacteria	GAYGACGTCAARTCMTCATGC
Forward primer for Gram negative bacteria	AYGACGTCAAGTCMTCATGG
Reverse primer for all bacteria	AGGAGGTGATCCAACCGCA
Forward primer for 16S rRNA pyrosequencing	AYTGGGTDTAAAGNG
Reverse primer for 16S rRNA pyrosequencing	CCGTCAATTCMTTTRAGT

The sequencing primers amplify the variable regions V4 and V5 of the bacterial 16S rRNA. When used for PCR, appropriate adaptor sequences, synthesized according to 454 sequencing system instruction, as well as a barcode for each sample, were added at the 5' end of the primer sequence.