

Table S1. Primers used in this study.

Primer	Sequence (5' to 3')	Modification, for use
1860_F-O	TTAGCGAGCTAGAATAGGGC	SO_1860 disruption
1860_5-O_SpeI	ATG <u>ACTAGT</u> ACAGTCTTGGGCGAGATGTA	<u>SpeI</u> , SO_1860 disruption
1860_5-I	<u>GGTGT</u> TAGCCACTGAAGCTACCAGCTCATGATCGTC	<u>Linker sequence</u> , SO_1860 disruption
1860_3-I	<u>GCTTCAGTGGCTAACAC</u> CAACCCGTTTAGCGATCCGC	<u>Linker sequence</u> , SO_1860 disruption
1860_3-O_SpeI	ACG <u>ACTAGT</u> TCTTCCATCTTCGCCACCAG	<u>SpeI</u> , SO_1860 disruption
1860_R-O	TGCTCATAGGCTTGCTGCTC	SO_1860 disruption
qRT-16S-F	AGCGCAACCCCTATCCTTAT	qRT-PCR for 16S rRNA gene
qRT-16S-R	CGTAAGGGCCATGATGACTT	qRT-PCR for 16S rRNA gene
qRT-SO_3172-F	GCTCATCGTCACCATCATTG	qRT-PCR for SO_3172
qRT-SO_3172-R	CCGATGCGGTATCCTTACTC	qRT-PCR for SO_3172
qRT-SO3177-F	TGTAAACGGAACGAGGATCA	qRT-PCR for SO_3177
qRT-SO3177-R	TTAGCAAGTGCCCAATAGCC	qRT-PCR for SO_3177
qRT-luxS-F	CATATGACGACCCCAAAAGG	qRT-PCR for <i>luxS</i> (SO_1101)
qRT-luxS-R	ATAAAGCCCGCAAACAAATG	qRT-PCR for <i>luxS</i> (SO_1101)
qRT-metE-F	GAAGGTGTGGGCTTTACCAA	qRT-PCR for <i>metE</i> (SO_0818)
qRT-metE-R	AATCAACCGTCATGGCTTTC	qRT-PCR for <i>metE</i> (SO_0818)
qRT-metR-F	TCAGCTAAGGGTTGGGATTG	qRT-PCR for <i>metR</i> (SO_0817)
qRT-metR-R	TTCTAGGGCATTGAGCGAGT	qRT-PCR for <i>metR</i> (SO_0817)
qRT-SO_2906-F	AGCTATTCCGGATGCAGCTA	qRT-PCR for SO_2906
qRT-SO_2906-R	CCACTACGGCTATGGATGGT	qRT-PCR for SO_2906