

Table S4 Primers information

Primers	Primer sequences	Amplification efficiency (%)	Product size(bp)
<i>ampC</i> -qPCR Forward	5' CGGATGAGGTCACGGATAAC 3'	93.3	96
<i>ampC</i> -qPCR Reverse	5' TGGCGTTGGCGTAAAGA 3'		
<i>nagZ</i> -qPCR Forward	5' ATGCGGAGGAGCGTGAAAT 3'	94.2	143
<i>nagZ</i> -qPCR Reverse	5' GACGGCGACCACCAGATGA 3'		
<i>rsmA</i> -qPCR Forward	5' AAAAGGCCAGGCGATGGTT 3'	94.7	129
<i>rsmA</i> -qPCR Reverse	5' GGGTGCCTTTCAGACGAG 3'		
<i>oxyR</i> -qPCR Forward	5' AAGCGGGAGCGGATGAAGATA 3'	92.8	151
<i>oxyR</i> -qPCR Reverse	5' ATGCACGGCAGGTAAACCACA 3'		
<i>rpoS</i> -qPCR Forward	5' TACGATTGCCTGCCGATTAC 3'	91.8	254
<i>rpoS</i> -qPCR Reverse	5' CTTCCGGGCCGTTGTCTTTTTC 3'		
<i>grpE</i> -qPCR Forward	5' GCGTCGTTCGTACCGAACAGG 3'	95.1	178
<i>grpE</i> -qPCR Reverse	5' CAGCATGGATTTCAGCGTCA 3'		
<i>phoP</i> -qPCR Forward	5' AGCCGATTATTATCTCAATGAACAC 3'	94.6	132
<i>phoP</i> -qPCR Reverse	5' GTCAGCACCAGGACAGGAAGG 3'		
16S-qPCR Forward	5' TCCTACGGGAGGCAGCAGT 3'	95.6	467
16S-qPCR Reverse	5' GGACTACCAGGGTATCTAATCCTGTT 3'		
<i>nagZ</i> -CDS Forward	5' ATGTTGGATGTCTGAAGGGT 3'	N	1014
<i>nagZ</i> -CDS Reverse	5' TTAAAGGGCTGCTTTATGTG 3'		

qPCR: Real-time fluorescence quantitative polymerase chain reaction, CDS: coding sequence. N: no detection.