**Table S4.** Primers used for DNA sequencing, PCR and qPCR.

Name Sequence

STM2804\_cat\_insF GCACAGTAAAGCGCTGCGTAAGGCTGGCGTG

AATCAAGCTtgtaggctggagctgcttc

STM2804\_cat\_insR CTGAAATGGTGACTTACCCGCCATCCTGCC

AGCGCATCTAcatatgaatatcctcctta

STM1236\_cat\_insF ATTAACACCGTTATCCGTTAATGCGGCC

AGCTTCGACTGCCtgtaggctggagctgcttc

STM1236\_cat\_insR GTGCGCGCAGATAGCCTTTTCATCCGCAG

CCTGCGCTTTCTcatatgaatatcctcctta

phoP\_F CATTATGGAAACGCTTATCCG

phoQ\_R TCCCATTTGGCGAGGGTATA

stpA\_F ATGAATTTGATGTTACAGAACT

stpA\_R GCATTGCTGAATCCATGGCA

katEF(rt) GCGGTATTCCACGCAGTTAT

katER(rt) CAGTGGAAACGGACAAAGGT

spvAF(rt) TATTGTCCGTCAGACCCGTA

spvAR(rt) ACATGCAGCGGATATACTGC

mgtAF(rt) AATGGAGCAGGAGACTCTCT

mgtAR(rt) GCGATAACATACCCACAGATG

dnaEF(rt) GAACCACGTTTCGTTCACCT

dnaER(rt) GACCGCAGAGGTTGGTAAAA