

## S. 1. Primers used in the study

Primer name	Sequence 5' → 3'	Application
mtlD_up_fwd	GTTAGCGGCCGCAACAGCTTGAGGATATGCAGAG	Deletion of <i>mtlD</i> in ATCC 19606
mtlD_up_rev	GCCGGGATCCCTTTGGACATTAAGTCGAAC	
mtlD_down_fwd	CTGCGGATCCCATCCATATCGAAGATAGCTC	
mtlD_down_rev	GTTGCTGCAGGTACTACGCTTCTACCAAACC	
mtlD_ctr_fwd	GCTGTACCGCAGTCAATCAC	
mtlD_ctr_rev	GTGTCGTTCTGGTGCCAGAAG	
mtlD_fwd	GCCGCATATGGTGCTTATTTTTTCATGGAAAACC	MtlD purification
mtlD_rev	ATGGCGCGGCCGCAACATATTGAGTTGATGTAGTTTTG	
mtlD_up_gusA_fwd	GGCGTCTAGAGCCGAAATTTATGAAGGGAAGC	Reporter gene assay
mtlD_up_gusA_rev	CGCGCCATGGGTTTTTACCTCTTTTTTGATCATG	