

Global Regulator MorA affects Virulence-associated Protease Secretion in *Pseudomonas aeruginosa* PAO1

Supporting Information

S1 Table. List of primers used in this study

Primer	Primer sequence	
Transcriptional analysis		
qRT_RpsL_F	5' ACGTTGCGGG CAGTTCTG 3'	
qRT_RpsL_R	5' AGCCGCGTAA GCGTATCGT 3'	
LasB_qRT_Fwd	5' CCAGGCCAAG AGCCTGAAG 3'	
LasB_qRT_Rev	5' CGGATCACCA GTTCCACTTT G 3'	
CbpD_qRT_Fwd	5' CCGCAAGCA TGTGATCTAT AA 3'	
CbpD_qRT_Rev	5' CGTCGATGCA GCGTAGAA 3'	
Cloning for recombinant protein expression		
LasB_FwBamHI2	5' CGCGGATCCA AGATCGGCAA GTACACCTAC GG 3'	
LasB_RvHindIII2	5' TCAGAAGCTT TTACAACGCG CTCGGGCAGG 3'	
Site-directed mutagenesis of MorA enzymatic domains*		
E1060K_Up_Fwd	5' CACTGGTTCG ACATCCGC 3'	2023-2040
E1060K_Up_Rev	5' GCAGCAGGGC CTTGGCGCCG GTCAG 3'	3577-3553
E1060K_Dwn_Fwd	5' CTGACCGGCG GCAAGGCCCT GC 3'	3553-3574
E1060K_Dwn_Rev	5' TCAGCCCTCG TTGAACATG 3'	4248-4230
E1189K_Up_Fwd	5' CACTGGTTCG ACATCCGC 3'	2023-2040
E1189K_Up_Rev	5' CAGCAGGGTG AATTTGTCGC CGCCAT 3'	3192-3166
E1189K_Dwn_Fwd	5' ATGGGCGGCG ACAAATTCAC CCTGCTG3'	3166-3192
E1189K_Dwn_Rev	5' TCAGCCCTCG TTGAACATG 3'	4248-4230

*The last column represents the primer position in *morA* gene