

Appendix A Primers used in this study for construction of recombinant plasmid and genetically modified mutants and their complementation strains

Name	Oligonucleotide sequence (5'→3') ^a	Product
SESEC_01875-UPSTREAM -F	GTGA <u>AAGCTT</u> GTAGCTTGACTCCTTTGATCTGTAT	Upstream of SeseC_1875
SESEC_01875-UPSTREAM -R	CGACATCAGGTGGTGGCTTAAGAGTGGCAGGTAAAAAGAA TAATG	Upstream of SeseC_1875
SESEC_01875-DOWNSTR EAM-F	CATTATTCTTTTACCTGCCACTCTTAAGCCACCACCTGATG TCG	Downstream of SeseC_1875
SESEC_01875-DOWNSTR EAM-R	CGGGGATCCTTCAGTAGCCATTGATGACTTGTA	Downstream of SeseC_1875
MCOVS-F	CGGGT <u>CGACG</u> TTTACCTCCAAGAGCCCTCC	M35246 <i>covS</i> with its upstream and downstream
MCOVS-R	CGGGAATTCAGACAACAGTCCTTTTGCGG	M35246 <i>covS</i> with its upstream and downstream
PI-UPSTREAM-F	GCGGTCGACCTGCTTCATTATCAGCCCAT	Upstream of PI
PI-UPSTREAM-R	AATACGTGGAAAAGAAGGAAGCTGATGGGGATAATGTTGA AAGTA	Upstream of PI
PI-DOWNSTREAM-F	TACTTTCAACATTATCCCCATCAGCTTCCTTCTTTTCCACGTA TT	Downstream of PI
PI-DOWNSTREAM-R	CGGGAATTCGTCGAGGAGCTGCTTCAACTA	Downstream of PI
SESEC_01881-TEST-F	TTATTTGTTTCTCCCCACC	Part of SeseC_01881
SESEC_01881-TEST-R	TTGTTTCCTTGATTTCACTCC	Part of SeseC_01881
SESEC_01875-TEST-F	GTCCACCTTCAACATCTC	Part of SeseC_01875
SESEC_01875-TEST-R	CTAGCCTTAAAACGAACCAT	Part of SeseC_01875
SESEC_01894-TEST-F	GACAACGCCTTTTCCACCC	Part of SeseC_01894
SESEC_01894-TEST-R	TTTCCTTACGCCCTCACCA	Part of SeseC_01894
WTCOVS-PSET2-F	AGCTCGGTACCCGGGATCCCTAGTCAAGGCGTTACCG	WT SEZ <i>covS</i> with its upstream and downstream
WTCOVS-PSET2-R	TTGCATGCCTGCAGGTCGACTTTAGGGATAACAAAAGAATA GACA	WT SEZ <i>covS</i> with its upstream and downstream

^aUnderlined portions of the primers correspond to restriction enzyme recognition sites.

GTCGAC, *Sal*I; GGATCC, *Bam*HI; GAATTC, *Eco*RI; AAGCTT, *Hind* III.