

Table S9 - Primers

Primers used for construction of mutants

Name	Sequence (5' to 3')	Restriction site
lmo1081-F	<i>GGAGTCT</i> TGATTTATTATCCGCTATCG	SacI
lmo1081-R	AT <i>GGTTCGAC</i> CAATTCCTCAAGACAAGCG	Sall
lmo1082-A	TAC <i>GGTTCGAC</i> TGCTCAAATCGATGCTGG	Sall
lmo1082-B	CGA <i>CGCGT</i> CATTCTTTTCTCTCC	MluI
lmo1082-C	CGA <i>CGCGT</i> TAAATGAATTTATTAG	MluI
lmo1082-D	TACAGATCT TAGTGGTCTCCACCAAGC	BglII
lmo1102-A	CGA <i>GGTTCGAC</i> TTCCACTATCAAAGTGG	Sall
lmo1102-B	CGA <i>AITC</i> CACGTTCTTAAACACTCC	EcoRI
lmo1102-C	CGA <i>AITC</i> TAAAAAATCTTCAAACAC	EcoRI
lmo1102-D	CGCAGATCT AATTCGTACAAGACATACC	BglII
lmo2219-F	<i>GGAGTCT</i> AAAGACGAACCTTATGACGC	SacI
lmo2219-R	AT <i>GGTTCGAC</i> TGAGACTAAGGTAAGAAGC	Sall
lmo2459-A	<i>GGAATTC</i> ATGACAGTTAAAGTTGGTATTAATGG	EcoRI
lmo2459-B	<i>ACGGTACC</i> TTACGCCCTAAAGAGAACACGCCAATAGCTAACATTGCAAGAATTAATTATTTAGCGATTTTTGC	KpnI
lmo2459-C	<i>GCTAGA</i> GAAGTGTAGTACATCAGC	XbaI
lmo2459-D	AT <i>GCTGCAG</i> AGTTCGAATACGCCATTGG	PstI
lmo2713-F	CGA <i>AITC</i> TAAGTACCTCGGTTACG	EcoRI
lmo2713-R	ATAGTTCGAC AGCGACGCAACCTAATGTG	Sall
lmo2714-F	<i>GGAATTC</i> GACAGAACCAGCAGAACC	EcoRI
lmo2714-R	ATAGTTCGAC TGGAGCTGTTACGACTGC	Sall

Primers used for verification of mutagenesis

Name	Sequence (5' to 3')
lmo1081-F	CCATTGCCATTTCAGGCTGCG
lmo1081-R	TACAGATCTTAGTGGTCTCCACCAAGC
lmo1082-F	CCACTCTCTTCTGTGGAAGC
lmo1082-R	ATCATAAATTGGCCCTGTCC
lmo1102-F	AAGCCCTATCTGAAGAACTAGG
lmo1102-R	CGCTACTGTTGATTTACAAATG
lmo2219-F	CCATTGCCATTTCAGGCTGCG
lmo2219-R	CGCAGATCTGTTGGAGAAACAGTAGACC
lmo2713-F	CCATTGCCATTTCAGGCTGCG
lmo2713-R	AGCTCTCCATTACTCCAACC
lmo2714-F	CCATTGCCATTTCAGGCTGCG
lmo2714-R	AGTAGGTTGTTGCGGTAGTGC

Primers used for construction of complemented strains

Name	Sequence (5' to 3')	Restriction site
lmo1082-G	CGACTAGT AGCGTTACCTTGAACCTGGGAG	SpeI
lmo1082-H	ATAGTTCGAC CAATAAACCTGCCACCTG	Sall
lmo1102-G	GCCACTAGT AACCTGTTTACACACAAGC	SpeI
lmo1102-H	ACCGTTCGAC TAGTCCGTGACTCTTTAGAC	Sall
lmo2714-G	AGTCTGCAG TAATGGCAGAAGAACCACGC	PstI
lmo2714-H	AGTCTGCAG AAAGGAGTGACCAAGTAGGC	Sall
lmo2459-G	ATACTGCAG CTTACGATTAGTACAATCCG	PstI
lmo2459-H	ATAGTTCGAC TAGCCATTAGAGTTCTCC	Sall

Primers used for qPCR

Name	Sequence (5' to 3')
lmo0206-F	CCATTTTCATTAAAGCGATGC
lmo0206-R	TCCAGCTATATCACCTTTTCC
lmo1081-F	CTTATGGGCAGAGGATTGCT
lmo1081-R	GCAGCCTCATCAATATACCC
lmo1082-F	CCACTCTCTTCTGTGGAAGC
lmo1082-R	ATCATAAATTGGCCCTGTCC
lmo1102-F	AAGCCCTATCTGAAGAACTAGG
lmo1102-R	CGCTACTGTTGATTTACAAATG
lmo1290-F	TTACAGTTGATGACGGAAACG
lmo1290-R	CCGTGCGTTGTAATTGTTAGGC
lmo2219-F	CAATACGGATACACATCATCC
lmo2219-R	TGTCTTCCACTTTCACGTTAGC
lmo2713-F	AAAGCACTACCGCAACAACC
lmo2713-R	CCATTTGCCGATATGACTGG
lmo2714-F	TGGAGAAGGAACAACAACCTGC
lmo2714-R	TTTCGCTGGGACTTGATAGG
fri-F	ACTAGCAATCGGCGGAAGC
fri-R	TCGCCTTCTTGTCACTAAGC
oppA-F	AGCGCACTAATTCCTTCTGC
oppA-R	GTCAGGCGCATATAGACCTTCG
sigB-F	AGAAACGGGTGAACACTCTCG
sigB-R	CTTCTCATTTCTGCAACGCC
iniA-F	ACAACCTGGAGGAACGCGCC
iniA-R	CCAGGTATATTTGCGGAAGG
prfA-F	TCATTAGCGAGCAGGCTACC
prfA-R	GCAAATAGAGCCAAGCTTCC
16S-F	CTCGTGTGCTGAGATGTTGG
16S-R	CGTGTGTAGCCAGGTCATA
hly-F	CGTCCATCTATTTGCCAGGT
hly-R	ATTTCCGATAAAGCGTGGTG
murA-F	AGCGCAGACGAAACAGCGCC
murA-R	AGGAGTGGCCGTTGCTGATGC
iniH-F	CG CAA ATT ACA GAT GTG ACC
iniH-R	TT AGT TAG TCC TGC AAG CGG
sod-F	GCTGGTCACTCCTGAACTTGC
sod-R	CCACCGTGGTTACGGACAGC
ami-F	TGCTGCTTCCATTGATCCGGTGC
ami-R	GCGCGAAGCAAAGGACTTGC
lpeA-F	CCAGCCAACATTCAAAGTGC
lpeA-R	CGATCAAACCAACCGTTCCC
iap-F	GCGCCAACAATCGCATCCGC
iap-R	TCAACACCAGCGCCACTACGG
gap-F	CTGCTCAACGTGTTCCAGTTCC
gap-R	GCTTCCATAGCTGCATTTACTTCC