

Supplementary Material

Table S1. Primers used for mutagenesis and sequencing

Oligo Name	Type	Sequence (5' - 3')	Gene
MVE832s (Ff)	Forward	GGATTCCACCAAGGCCACTCG	C
MVE4450 (Fr)	Reverse	CGCTGGTACCTGTTATTGCTGCC	NS1
ALF1450ΔGlyΔXmn1s	Mutagenesis	CCATGGAAACTA T TCCACCCAAGTAGG	E
ALF1476ΔGlyΔXmn1s	Mutagenesis	CCTACTTGGGTGGA A TAGTTTCCATGG	E
ALF1801ΔHinΔXho1s	Mutagenesis	AGTGCAG TTCTCGAG CAGCACATTGAAG	E
ALF1835ΔHinΔXho1s	Mutagenesis	CTTCAATGTGCT GCTCGAGA ACTGCACT	E
MVE908s	Forward	GCTGTAGCTCTAGGCTGGATGC	C
MVE4380	Reverse	GGCTTTTCCCGAGATAACATAGG	NS1
pALF3548F	Sequencing	GTCGCAGGAGGGAGCACTTCA	E
ALFE17125	Sequencing	GCCACTAAGCAATCCGTGGTCGC	E
ALFE1549	Sequencing	TGGTTCGCATTCCACTGTCAC	E
ALF327-GAG-F	Mutagenesis	TAGTGTTAGAACTCAAGTATTTGGGAGC	E
ALF327-GAG-R	Mutagenesis	TCCCAAATACTTGAGTTCTAACACTACC	E
pMVE/ALFE-F	Mutagenesis	GATTAAGTTGGGTAACGCCAGG	E
pMVE/ALFE-R	Mutagenesis	GAAGCACCTTCT AG GAAATCACG	E

Nucleotides in Bold indicate MVEV sequence