

**Supplementary Table S1. Primers used for plasmid construction and cDNA synthesis**

Primer name	Sequence (5'-3')
FMDVA_ <i>Nhe</i> IVP4VP2_Fw	CGCTCT <u>GCTAGCC</u> GATAAGAAGACCGAGGAGACCA
FMDVA_ <i>Apa</i> I2A2B_Re	CTACTAG <u>GGCCC</u> GGGGTTGGACTCAACGTCTCCTG
FMDVA_2AL2P_Fw	CAACTT <b>C</b> CAAACTTCGATTTGCTCAAGTTGGCAGGAGAC
FMDVA_2AL2P_Re	GAAGTT <b>TGG</b> AAGTTGTTTTGCAGGTGCAATGATCTTCTG
FMDVA_VP1K210E_2AL2P_Re	GAAGTT <b>TGG</b> AAGTTGTTCTGCAGGTGCAATGATCTTCTG
13-N PN2	AAGTTTTACCGTCGTTCCCGACGTAAAAGGGAGGTAACCAC AAGCTTGAA
10-P PN 30	TCTGGACAGCACCTTTGTCTG
8-A PN 200	GAGACGTTGAGTCCAACCC
13-N PN 3	CCGTAGGAGTGAAAATCCCGAAAGGGTTTTTCCCGCTTCCTT AATCCAAA
O1PN20	GACATGTCCTCCTGCATCTG
13LPN21	GCACCTGCAN <b>N</b> NCAACTTTTGAAC

<sup>a</sup> Underlined sequences represent restriction enzyme sites *Nhe*I and *Apa*I. Nucleotide changes producing amino acids substitutions are shown in boldface italics.