

Table S2 Site directed mutagenesis and qPCR primers

Primer Name	Sequence
M ^{pro} M49D forward	GCACTAGTGAGGATGACCTTAATCCCAATTACGAAGACC
M ^{pro} M49D reverse	GTAATTGGGATTAAGGTCATCTCACTAGTGCAGATTACGTG
M ^{pro} M49I forward	GCACTAGTGAGGATATTCTTAATCCCAATTACGAAGACC
M ^{pro} M49I reverse	GTAATTGGGATTAAGAATATCTCACTAGTGCAGATTACGTG
M ^{pro} P168G forward	GGAACTCGGTACCGGTGTCCACGCCG
M ^{pro} P168G reverse	GGACACCGGTACCGAGTTCCATATGGTGCATG
M ^{pro} P168S forward	TGGA ACTCTCAACCGGTGTCCACGC
M ^{pro} P168S reverse	CACCGGTTGAGAGTTCCATATGGTGCATGTAGC
M ^{pro} Q189E forward	TGACCGGGAAACCGCGCAAGCG
M ^{pro} Q189E reverse	TTGCGCGGTTTCCCGGTCAACGAAC
M ^{pro} Q189N forward	TGACCGGAACACCGCGCAAGCG
M ^{pro} Q189N reverse	TTGCGCGGTGTTCCCGGTCAACGAAC
M ^{pro} H41A forward	CCCCGAGCGGCAATCTGCACTAGTGAGGATATGC
M ^{pro} H41A reverse	GCCCCCGAGCGGTAATCTGCACTAGTGAGGATATGC
M ^{pro} S10A forward	AGTGCAGATTACCGCTCGGGGGCAGTAGACTACG
M ^{pro} S10A reverse	CTTCAACTTTACCTGCGGGGAACGCCATTTTCTAAAACC
M ^{pro} E14A forward	CGGTAAAGTTGCAGGATGTATGGTCCAAGTAACC
M ^{pro} E14A reverse	ACCATACATCCTGCAACTTTACCGCTGG
M ^{pro} E290A forward	TCCTCGAAGATGCCTTTACTCCATTTGACGTGGTCAG
M ^{pro} E290A reverse	AAATGGAGTAAAGGCATCTTCGAGGAGTGCG
M ^{pro} qPCR forward	GCTCAAAGTCGATACTGCAAAC
M ^{pro} qPCR reverse	GCTTCCATTATAGCAAGCCAATAC
Luc qPCR forward	GCTATGAAGAGATACGCCCTG
Luc qPCR reverse	TAGCTTCTGCCAACCGAAC