Table S1. Primer pairs used in this study

Primer	Sequence (5’ to 3’)
L^{pro}-F	GGATCC**ATG**CAGAACTCTCATTTTTCTTTCG
L^{pro}-R	GGTACC**CTA**CTGTAGTTCATATACGATGTCC
VP1-F	GGTACC**ATG**TCCACCGACAACGCCGAGACTGG
VP1-R	CTCGAG**CTA**TTGCATCAGCATCTTCTGCTTG
VP2-F	GAATTC**ATG**GACCACAATACCGAAGAAATGG
VP2-R	CTCGAG**CTA**CTGTTCCTCGTCCGTCCCGGTCGTG
VP3-F	GAATTC**ATG**GGGCCCATTCCCACAGCACCCAG
VP3-R	CTCGAG**CTA**GTGGAACACATAAGAAGGATTAC
2B-F	GGATCC**ATG**CCTGCTTCTGACAACCCAATC
2B-R	GGTACC**CTA**TTGCATCTTAAACAGCTTTCGG
2C-F	GAATTC**ATG**GGACCCATGGACAAAGTCAAAGAC
2C-R	CTCGAG**CTA**CTGTAGAACTAGAGTCTGCATATTTCG
3A-F	GGATCC**ATG**AGCCCTAACGAGAATGATGAC
3A-R	GGTACC**CTA**CTCGCTCCTAGGCGCTTTAG
3C-F	GAATTC**ATG**CAGCCCAACGTGGACATGGGCTTTG
3C-R	CTCGAG**CTA**TTGCATTGTAGCCAGAGGTTCACC
3C-H49A-F	GAGgccACATGGTCCAACCCCTCCTGGACCAGTTTCACAATCCGTGGTG
3C-H49A-R	CTGGTCCAGGAGGGGTTGGACCATGTggcCTCATTAATTAGGAAGGTCC
3C-C161A-F	GGGTGACCACCTACAAGGGATGGgccGGTTCGGCCCTGGTCTGTGAGGC
3C-C161A-R	CCGAACCggcCCATCCCTTGTAGGTGGTCACCCTGTACC
MAVS-Q148A-F	GAGACCgccGCGCCAGAGTCCCCAGGAGAGAATTCAGAGC
MAVS-Q148A-R	CTCCTGGGGACTCTGGCGCggcGGTCTCCTGGACAGGCATGG
MAVS-Q159A-F	GAGAATTCAGAGggcGCCCTGCAGACGCTCAGCCCCAGAGCCATCC
MAVS-Q159A-R	CGTCTGCAGGGCgccCTCTGAATTCTCTCCTGGGGACTCTGG
MAVS-Q162A-F	GAGCAAGCCCTGggcACGCTCAGCCCCAGAGCCATCCCAAGG
MAVS-Q162A-R	GGGGCTGAGCGTgccCAGGGCTTGCTCTGAATTCTCTCCTGG
MAVS-Q196A-F	CTCCAGCGGGCATggcGAGCAGGACACAGAACTGGGCAGTACC
MAVS-Q196A-R	CTGTGTCCTGCTCgccATGCCCGCTGGAGGTCAGAGGGCTGAGG
MAVS-Q198A-F	GGGCATCAGGAGggcGACACAGAACTGGGCAGTACCCACACAG
MAVS-Q198A-R	CAGTTCTGTGTCgccCTCCTGATGCCCGCTGGAGGTCAGAGG
MAVS-N148-R	CTCGAGCTACTGGGTCTCCTGGACAGGCATGGGGTAACTTGG
MAVS-C149-R	GGTACCATGGCGCCAGAGTCCCCAGGAGAGAATTCAGAGC
TRIF-Q159A-F	CCAGGGAGCATCCGGACGCTCgccTCCAATCTGGGCTGCCTCCCAC
TRIF-Q159A-R	GTGGGAGGCAGCCCAGATTGGAggcGAGCGTCCGGATGCTCCCTGG
TRIF-Q190A-F	CGGACTGGAGCgccGGGTGCTCCCTGCGATCCACTGGCAGCCCTG
TRIF-Q190A-R	GCAGGGAGCACCCggcGCTCCAGTCCGAAACACCGTCAATGGGGCGTGG
TRIF-N159-F	GAATTC**ATG**GCCTGCACAGGCCCATC
TRIF-N159-R	GTCGAC**TCA**CTGGAGCGTCCGGATGCTCCCTG
TRIF-C159-F	GAATTCTCCAATCTGGGCTGCCTCCCAC
TRIF-C159-R	GTCGAC**TCA**TTCTGCCTCCTGCGTC
TANK-Q266A-F	GTGTGCgccGAGAAATTTAATATGGAGTTCAGAGACAACC

TANK-Q266A-R	CATATTAAATTTCTCggcGCACACTGCCTCAGACGTGGCAG
TANK-Q291A-F	GAAATTgccGGAATTGACCCCATAGCTTCAGCTATACAAAACC
TANK-Q291A-R	GCTGAAGCTATGGGGTCAATTCCggcAATTTCAAATAAAGTTTCTTC
TANK-Q301A-F	GCTATAgccAACCTTAAAACAACTGACAAAACAAAGCCCTC
TANK-Q301A-R	GTCAGTTGTTTTAAGGTTggcTATAGCTGAAGCTATGGGGTC
TANK-Q366A-F	CCAgccCAGCCCATTTGGAAGCCCTTTCCTAATCAAGACAGTGAC
TANK-Q366A-R	AGGAAAGGGCTTCCAAATGGGCTGggcTGGTCCTCGGATTGC
TANK-H247A-F	CAACTTTCTTAgccAGCACTCCAGAGAGACCCGGCATCCTTAGTCCTGC
TANK-H247A-R	CTCTCTGGAGTGCTggcTAAGAAAGTTGAGTCATTGTCCATAGGTGGAAAC
TANK-E251A-F	CATAGCACTCCAgccAGACCCGGCATCCTTAGTCCTGCCACGTCTGAGG
TANK-E251A-R	GATGCCGGGTCTggcTGGAGTGCTATGTAAGAAAGTTGAGTCATTGTCC
TANK-E262A-F	GTCTgccGCAGTGTGCCAAGAGAAATTTAATATGGAGTTCAGAGAC
TANK-E262A-R	AAATTTCTCTTGGCACACTGCggcAGACGTGGCAGGACTAAGGATG
TANK-E272A-F	GAAATTTAATATGgccTTCAGAGACAACCCAGGGAACTTTGTTAAAAC
TANK-E272A-R	GTCTCTGAAggcCATATTAAATTTCTCTTGGCACACTGCCTCAGACGc
TANK(C273)-F	AGATCT**ATG**TTCAGAGACAACCCAGGGAACTTTG
TANK(C292)-F	AGATCT**ATG**GGAATTGACCCCATAGCTTCAGC
IFNβ-F	CACGACAGCTCTTTCCATC
IFNβ-R	AGCCAGTGCTCGATGAATCT
ISG56-F	TCTGCCTATCGCCTGGATGG
ISG56-R	GCTTCAGGGCAAGGAGACC
TNFα-F	CCGAGTGACAAGCCTGTAG
TNFα-R	GGTCTGGTAGGAGACGGCG
IL-6-F	CCAGGAGCCCAGCTATGAAC
IL-6-R	CTGAGATGCCGTCGAGGATG
GAPDH-F	GAGTCAACGGATTTGGTCGT
GAPDH-R	GACAAGCTTCCCGTTCTCAG

Red letters: restriction enzyme; Bold letters: initiation codon (ATG) or termination codon (TCA); Lowercase: site-directed mutations corresponding codon.