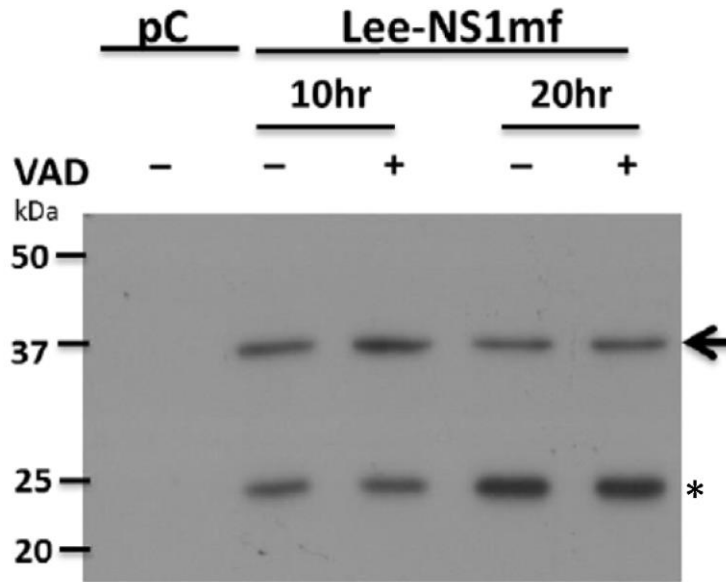


Supplementary Figure 1



Supplementary Table 1

Primer Name	
5' Sequence 3'	
Full Length	
NS1-For (Sac1):	CGAGCTCGAAATG GCG RACAACATGAYC
NS1-For Myc:	CGAGCTCGAA ATGGAA CAA AAATCATCTCAGAAGAGGAT CTG GCGRACAACATGAYC
NS1-Rev FLAG (Xho1):	CCGCTCGAGCGG CTATT TATC GTC ATC GTC TTT GTA ATCATTGTCTCC CTCTTCTGGTGA
Individual Domains	
RB-Rev (Xho1):	CCGCTCGAGCGG CTAAAAYAGRAGYACTTTCATCATT
RBL-Rev (Xho1):	CCGCTCGAGCGGCTATTTATCGTCATCGTCTTTGTAATCATCGGTCCAATCGTAATTTGGACATTT
ED-For (Sac1):	CGAGCTCGAAATGGATTAYCCTYCAACMCCAGGRARGTACC
LED-For Myc (Sac1):	CGAGCTCGAAATG GAACAAAACTCATCTCAGAAGAGGATCTG
LED-For (Sac1):	CGAGCTCGAAATGGATCCCTCTGCTGGA

Supplementary Table 2

Primer Name 5' Sequence 3'	Specimen	Substitution
Lee-NS1 M91A For: GGGTAAAAATGATGAAAGTGCTTCTGT TTGCGG ATCCCTCTGCTGG		
Lee-NS1 M91A Rev: CCAGCAGAGGGATCCGCAAACAGAAGCACT TTCATCATTTTTACCC	Lee-NS1	M91A
Lee-NS1 D92N For: GAAAGTGCTTCTGTTTATGAATCCCTCTGCTGGAATTGAAGG		
Lee-NS1 D92N Rev: CCTTCAATTCCAGCAGAGGGATTCATAAACAGAAGCACTTTC	Lee-NS1	D92N
Lee-NS1 D92A For: GAAAGTGCTTCTGTTTATGGCTCCCTCTGCTGGAATTGAAGG		
Lee-NS1 D92A Rev: CCTTCAATTCCAGCAGAGGGAGCCATAAACAGAAGCACTTTC	Lee-NS1	D92A
Lee-NS1 P93A For: GAAAGTGCTTCTGTTTATGGATGCCTCTGCTGGAATT		
Lee-NS1 P93A Rev: AATCCAGCAGAGGCATCCATAAACAGAAGCACTTTC	Lee-NS1	P93A
Lee-NS1S94P For: CTTCTGTTTATGGATCCCCCTGCTGGAATTGAAGGAT		
Lee-NS1S94P Rev: ATCCTTCAATTCCAGCAGGGGGATCCATAAACAGAAG	Lee-NS1	S94P
132-NS1 N92D For: GAAAGTACTCCTATTTATGGATCCGTCTGCTGGAATTGAAGGG		
132-NS1 N92D Rev: CCCTTCAATTCCAGCAGACGGATCCATAAATAGGAGTACTTTC	132-NS1	N92D
117-NS1 P94S For: TCCTATTTATGGATCCGTCTGCTGGAATTGAAGGG		
117-NS1 P94S Rev: CCCTTCAATTCCAGCAGACGGATCCATAAATAGGA	117-NS1	P94S