

**Supplementary Table S1 Primer sequences**

Primer name	Primer sequence (5'-3')	Purpose
HA-NS2A-F	TACGATGTTCCAGATTACGCTGGTGGCGGATTCAACGGCGAAATGATTGACCCTTT TCAG	Primers for amplification of HA-NS2A
HA-NS2A-R	ATCTGGAACATCGTATGGGTAGCCGTTGAAAGCGTCAACCTGTGACCTAACGAGTG TTGT	Primers for amplification of HA-NS2A
HA-A30P-F	CCAAGATTGACGATTCCTGCGGTTTTGGGGGCTCTAC	Primers for amplification of HA-A30P
HA-A30P-R	CAGGAATCGTCAATCTTGGCGTCCACCTCTTGCGAAG	Primers for amplification of HA-A30P
JEV-I-F	GCGCCTAATACGACTCACTATAGGGAGAAGTTTATCTGTGTGAACTTCTTG	Primers for amplification of fragment I
JEV-I-R	CCTTGTGTGATCCAAGACATTCCCCCAAAGA	Primers for amplification of fragment I
JEV-II-F	TCTTTGGGGGAATGTCTTGGATCACACAAGG	Primers for amplification of fragment II
JEV-II-R	CCAGACCTTCCATGGAACACCGGGATCATCAATCAAGTGAAA	Primers for amplification of fragment II
JEV-III-F	TTTCACTTGATTGATGATCCCGGTGTTCCATGGAAGGTCTGG	Primers for amplification of fragment III
JEV-III-R	AAGGAGGGCTTGTCAGCGTTCTTGATGAGAGTCCA	Primers for amplification of fragment III
JEV-IV-F	TGGACTCTCATCAAGAACGCTGACAAGCCCTCCTT	Primers for amplification of fragment IV
JEV-IV-R	AGATCCTGTGTTCTTCCTCACCACCAGCTACATACT	Primers for amplification of fragment IV