

Table S1. Identified NS1 mutations of 24 purified plaques from passaged NS1 random mutant library virus.

Virus Number	NS1(nt) mutation	NS1 aa mutation
1	<i>a172t+a435g</i>	T58S+I145M
2	- ^a	-
3	-	-
4	<i>a661g</i>	K221E
5	<i>c245t</i>	A82V
6	<i>t284c</i>	L95P
7	<i>t26a</i>	F9Y
8	-	-
9	-	-
10	<i>t26a</i>	F9Y
11	<i>a11c+t284a+</i> <i>a515c</i>	N4T+L95H+E172A
12	<i>g4a a5t+t26a</i>	D2I+F9Y
13	<i>g4a a5t+a172t</i>	D2I+T58S
14	-	-
15	-	-
16	<i>t26a</i>	F9Y
17	<i>a172t+a435g</i>	T58S+I145M
18	-	-
19	-	-
20	<i>t26a</i>	F9Y
21	-	-
22	-	-
23	<i>t26a</i>	F9Y
24	-	-

^a unmutated.