

**SI Table 4.** Mutations of H77C/JFH1 in Huh7.5 cells.

HCV gene*		Core	p7	NS2	NS3			NS4B	NS5A				
<b>Nucleotide number<sup>†</sup></b>													
H77C/JFH1		791	2700	2887	4080	4274	4562	5161	6039	6352	6846	7102	7375
H77 abs ref		792	2701	2888	4081	4275	4563	5162	6040	6353	6847	7115	7387
pH77C/JFH		C	T	T	A	A	C	G	C	C	A	A	C
<b>Original constructs</b>	<b>Passage</b>												
H77C/JFH1 exp. 1	1st	.	C/t	.	T	.	.	.	C/g	C/g	.	A/t	A
H77C/JFH1 exp. 1	2nd	.	C/t	.	T	.	.	T	G/c	C/G	.	T/a	A
H77C/JFH1 exp. 2	1st	.	.	.	.	.	T	.	.	.	.	.	.
<b>Mutated constructs</b>													
H77C/JFH1 <sub>V787A</sub>	1st	T	C	C	.	G	.	.	.	.	C	.	.
H77C/JFH1 <sub>Q1247L</sub>	1st	.	.	.	T	.	.	.	.	.	.	.	.
H77C/JFH1 <sub>V787A,Q1247L</sub>	1st	.	C	.	T	.	.	.	.	.	.	.	.
H77C/JFH1 <sub>R1408W</sub>	1st	.	.	.	.	.	T	.	.	.	.	.	.
<b>Amino acid number<sup>†</sup></b>													
H77C/JFH1		787		1247	1312	1408	1607	1900	2169				
H77 abs ref		787		1247	1312	1408	1607	1900	2169				
<b>Change</b>		V → A		Q → L	I → V	R → W	M → I	A → G	D → A				

\*H77C, orange; JFH1, black.

<sup>†</sup>Positions are numbered according to the HCV sequence of pH77C/JFH1. Corresponding H77 reference positions (AF009606) are given.

Mutations representing > 50% of the direct sequence read in at least one passage are shown. Dots indicate identity with the original plasmid sequence. Positions with mixtures are written with the dominant sequence in capital and the minor sequence in lower case letters.

Highlighted positions are mutations engineered into H77C/JFH1.