

S1 Table. Genetic mutations introduced to the HA gene of reverse genetics plasmids

Virus Donor of surface genes	Mutation in the HA plasmid*
A/New York/18/2009	D222G
A/Hawaii/07/2009	H183L
A/Bangladesh/5071/2011	H156Q, G186V, S219Y
A/Indiana/10/2011	L194I

*amino acid numbering corresponds to mature protein