

Clade

c3 c2 c5 c7 c6 c4 c8 c9 c10 c11 c12 c13 c14 c15 c16 c17 unassigned

A138S (0.07) H156Q (0.04) H156R (0.03) T160K (0.11) G186V (0.2) L194P (0.26) T203I (0.04) S219Y (0.04) S219F (0.04) D225G (0.07) N246H (0.03)  
HA1 mutation  
(overall frequency in egg-passaged viruses)

log2 enrichment

