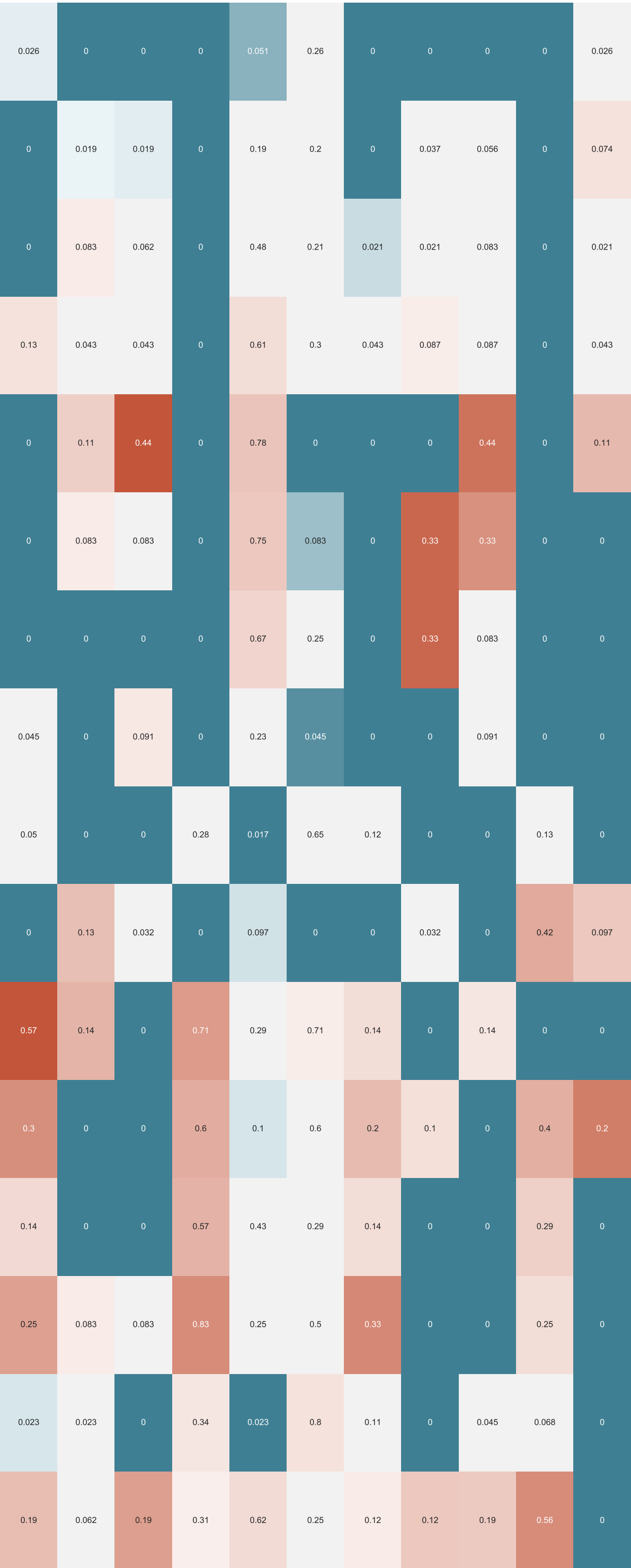


Clade

c16  
c15  
c14  
c12  
c13  
c11  
c10  
c8  
c7  
c9  
c6  
c4  
c1  
c3  
c5  
c2



A138S (0.06) H156R (0.04) H156Q (0.04) T160K (0.15) G186V (0.25) L194P (0.34) T203I (0.06) S219Y (0.04) S219F (0.06) D225G (0.1) N246H (0.03)

HA1 mutation  
(overall frequency in egg-passaged viruses)

