Supplementary Figure 5C: Amino acid differences in recent in HA of the recent 3C2a1b+131K H3 clade viruses relative to the 2019 Australian and SH vaccine A/Switzerland/8060/2017 (H3N2). Changes are shown in red and labelled according to H3 position numbering without signal peptide, letters in brackets indicate if this change was in a known antigenic site. The amino acid substitutions are as follows: E62G, K92R, S96N, N121K, K142G, N171K, Q197R, S219F, Q261R, H311Q, V347M, I406V, and V529I. Note that position 406 is not observed in the HA structure (PDB: 4WEA).