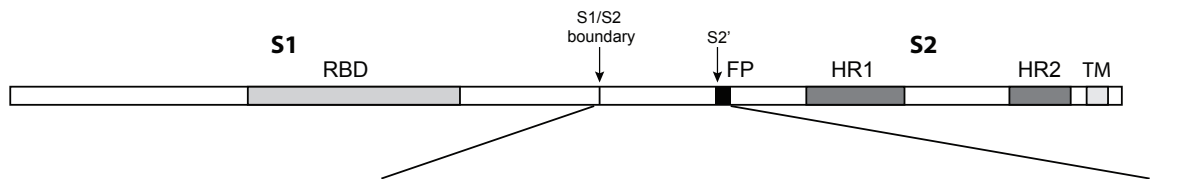


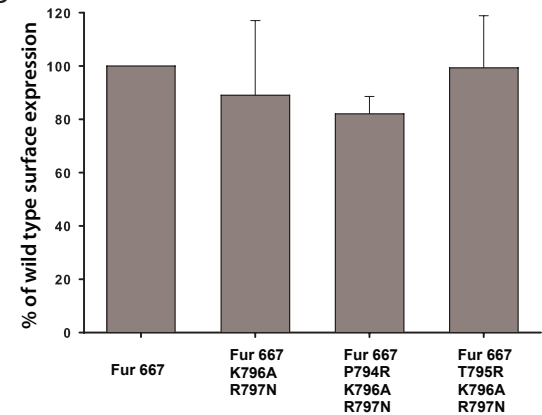
Supplemental Figure 3

A



SARS Fur667HTV RRSRR RSTSQ.....LKPTKRS F IEDLLFNKVTLADAGFM.....
SARS Fur667,K796A,R797NHTV RRSRR RSTSQ.....LKPT A NS F IEDLLFNKVTLADAGFM.....
SARS Fur667,P794R,K796A,R797NHTV RRSRR RSTSQ.....LK R T A NS F IEDLLFNKVTLADAGFM.....
SARS Fur667,T795R,K796A,R797NHTV RRSRR RSTSQ.....LK P R A NS F IEDLLFNKVTLADAGFM.....

B



Surface expression of Furin 667-background spike protein mutants. A) Cartoon representation of the SARS-CoV spike showing the receptor-binding domain (RBD) in S1, the fusion peptide (FP), heptad repeats 1 and 2 (HR1 and HR2) and the transmembrane domain (TM) in S2. As indicated in the mutant map, different mutations were made around S1/S2 boundary and S2' regions. B) Quantification was carried out as for as Supplemental Figure 2.