

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Protein sequences of the HA ectodomains from the six human influenza H3N2 strains of interest.

File Name: Supplementary Data 2

Description: The preference and unnormalized fitness of each of the 576 influenza virus variants in different genetic backgrounds.

File Name: Supplementary Data 3

Description: Full-length HA protein sequences from 45,218 human H3N2 strains that were analyzed in this study.