

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: **Statistical calculations and P-values**

File Name: Supplementary Data 2

Description: **List of Primers**

File Name: Supplementary Movie 1

Description: Reactive molecular dynamic simulations of the interaction of SCoV-2 S R403 with Human ACE2 E37. Related to Fig. 1.

File Name: Supplementary Movie 2

Description: Reactive molecular dynamic simulations of the interaction of SCoV-2 S R403T mutant T403 with Human ACE2 E37. Related to Fig. 1.

File Name: Supplementary Movie 3

Description: Reactive molecular dynamic simulations of the interaction of RatG13 S T403 with Human ACE2 E37. Related to Fig. 1.

File Name: Supplementary Movie 4

Description: Reactive molecular dynamic simulations of the interaction of RatG13 T403R mutant R403 with Human ACE2 E37. Related to Fig. 1.