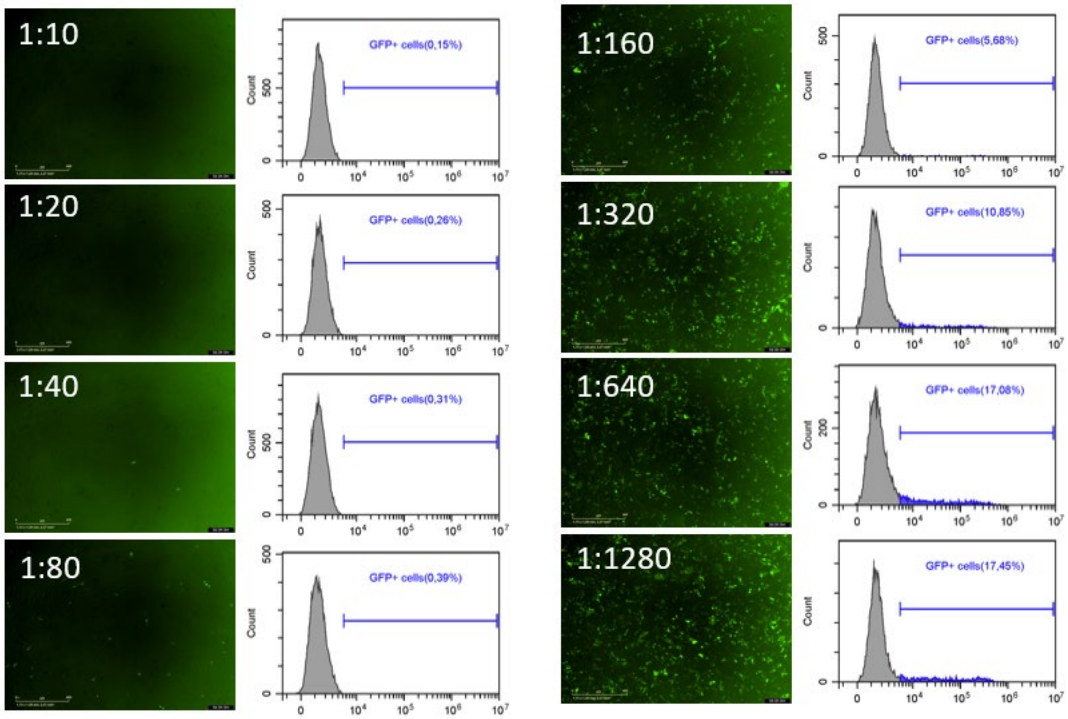
A.



B.

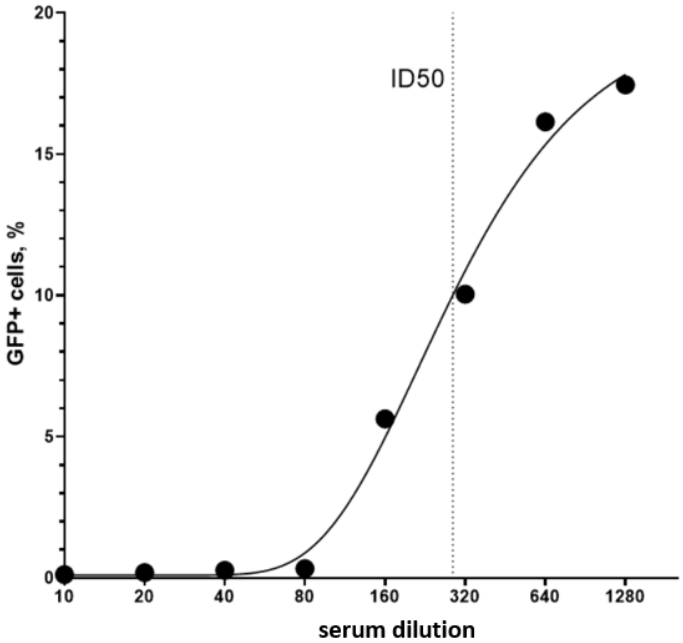


Figure S1. Representative plots of pseudotyped lentiviral neutralization assay. (**A**) Fluorescence microscopy and flow cytometry data of the representative experiment of HEK293T-hACE2-TMPRSS2 cells transduced with lentiviral particles pseudotyped with the S-protein of the SARS-CoV-2 variant D614G in the presence of patient sera. Serum sample dilutions are shown in white in the upper left corner of each figure section. (**B**) Graphical representation of ID50 calculation using a non-linear regression model. The Y-axis shows the percent of GFP-positive cells. The X-axis shows the corresponding dilution of patient sera.

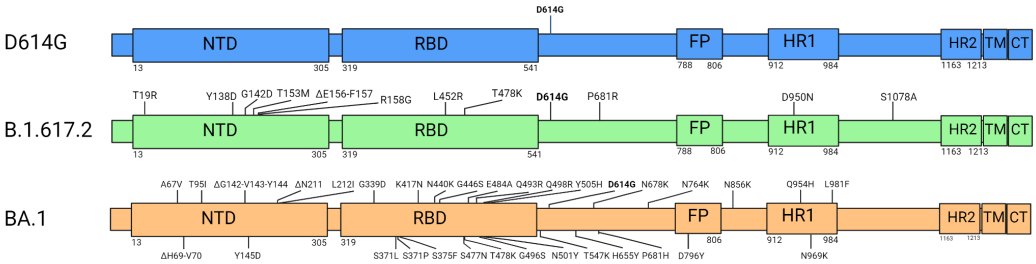


Figure S2. Schematic representation of amino acid substitutions in S-proteins of SARS-CoV-2 variants D614G, B.1.617.2, and BA.1. D614G refers to the Wuhan-Hu-1 SARS-CoV-2 G614-variant. This variant is characterized by the D614G mutation, which is associated with increased infectivity of COVID-19 [13].

Appendix A: Nucleotide sequences of 19-aminoacids-truncated S-proteins used in the study.

B1. S-protein D614G.

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S-proteinB.1.617.2

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S-protein BA.1

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