

Supplementary Fig. S11 Pre-existing immunity of pCoV-GD01 protect against homologous challenge. a 8-week-old hACE2 mice were inoculated i.n. with 6×10^3 PFU pCoV-GD01 (n = 5) or PBS (n = 3), and 14 days later inoculated with an equivalent dose of pCoV-GD01. b The sera were collected at 14 dpi and subjected to neutralization assays. The NT₅₀ of sera from were analyzed using pseudovirus for pCoV-GD01. Data are shown as geometric means \pm SD. **c&d** Lungs and tracheas were collected 3 days post re-challenge. Viral sgRNA loads in the lungs and tracheas were determined by qRT–PCR. Data are shown as means \pm SD. Student's t-test was performed for statistical analysis (**p<0.01). L.O.D, limit of detection.