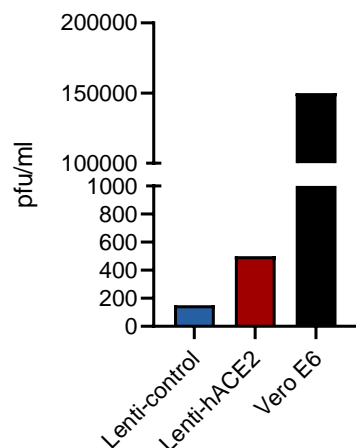
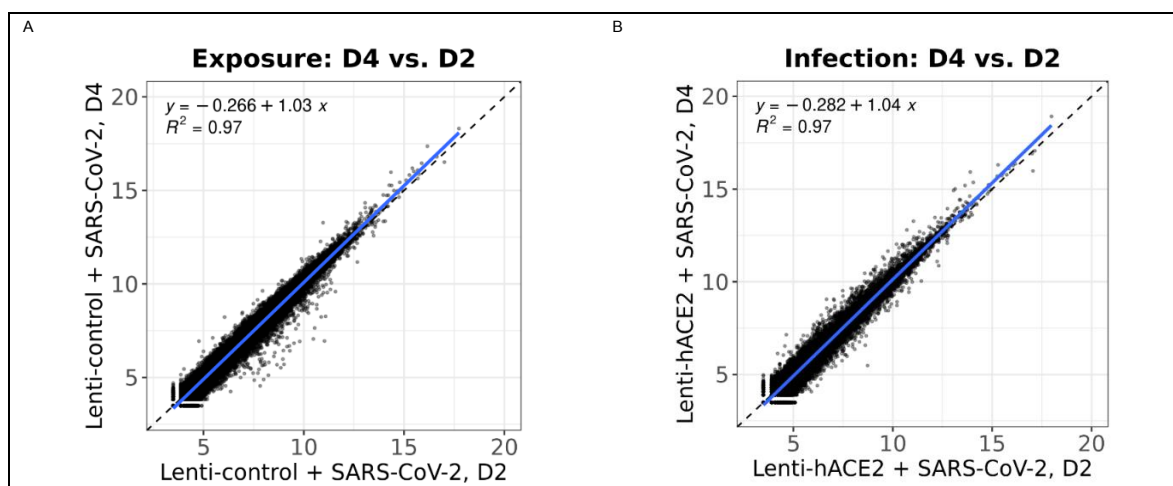


## Supplementary Material



**Figure S1.** Productive SARS-CoV-2 infection of Lenti-hACE2 transduced LET1 cells. SARS-CoV-2 virus titers in culture media of Lenti-hACE2 and Lenti-control transduced LET1 cells or Vero E6 cells determined by plaque assay 24 hours post-infection. n=1. pfu – plaque-forming units.



**Figure S2.** Comparison between D2 and D4 mice RNA-Seq for both the exposure model (A) and the infection model (B). Normalized counts were transformed with the vst function of the DESeq2 package and displayed as a scatter plot, comparing the different time points taken for each condition. The results of applying the 'lm' function on the data are shown as a blue line, with its equation and R squared indicated on the top left corner. The formula and R-square were added to the scatter plot image with the function 'stat\_poly\_eq' of the R package 'ggpmisc'

**Table S1.** Pathways upregulated in response to SARS-CoV-2 infection

#	Reactome	NFS
1	Metabolism of RNA	10.8
2	Innate immune system	9.82
3	Cell cycle mitotic	8.97
4	Cell cycle	8.78
5	Infectious disease	8.61
6	Translation	8.37
7	Neutrophil degranulation	8.12
8	Cellular responses to external stimuli	7.99
9	HIV infection	7.81
10	Processing of capped intron containing pre-mRNA	7.5