

Table S1: The gender analysis of weight and clinical score per day post-infection for K18-hACE2 transgenic mice infected intranasally with  $10^5$  PFU of the Wt strain or the P.1 and Delta variants.

Male X Female	Weight			Clinical score		
	1 dpi					
	Wt	P.1	Delta	Wt	P.1	Delta
	>0,9999	>0,9999	>0,9999	All the values are the same, so no statistical test is needed.		
	2 dpi					
	>0,9999	>0,9999	>0,9999	>0,9999	>0,9999	>0,9999
	3 dpi					
	>0,9999	>0,9999	>0,9999	>0,9999	>0,9999	>0,9999
	4 dpi					
	>0,9999	>0,9999	>0,9999	>0,9999	>0,9999	>0,9999
	5 dpi					
	>0,9999	>0,9999	>0,9999	>0,9999	>0,9999	>0,9999
	6 dpi					
	>0,9999	X	>0,9999	>0,9999	X	>0,9999
	7 dpi					
	>0,9999	X	>0,9999	0,8728	X	0,8256

Test performed by One-way ANOVA, with Bonferroni multivariate analysis for parametric variables, and Kruskal Wallis with Dunn's post hoc test for non parametric variables, using GraphPad Prism 8.0 version.