

Supplementary Table 1. Nasal Turbinates - Statistical Difference from mock-Wuhan

Primary-Secondary	NL63-Wuhan			OC43-Wuhan			Wuhan-Omicron			Wuhan-Beta			Wuhan-Wuhan		
Day PSI	3	6	14	3	6	14	3	6	14	3	6	14	3	6	14
IFN- β	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	*	ns	ns	*	ns
STAT2	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	**	ns	ns	*	ns
IRF1	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
IRF3	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	**	ns	*	**	ns
TLR3	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	***	*	ns	ns	ns
IRF2	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
STAT1	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
CXCL10	ns	ns	ns	ns	ns	ns	****	*	ns	****	***	ns	****	ns	ns
IFN- γ	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
IL-12	ns	ns	ns	**	ns	ns	ns	ns	**	ns	***	ns	ns	**	ns
T-bet	ns	ns	ns	*	***	ns	*	**	ns	**	****	ns	***	****	ns
CD3	ns	ns	ns	ns	ns	ns	ns	ns	****	ns	ns	****	ns	ns	****
IL-2	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	**	ns	ns	ns	ns
IL-21	ns	ns	ns	ns	ns	ns	ns	****	ns	****	****	ns	ns	****	ns
CXCR5	ns	ns	ns	*	**	*	****	ns	ns	****	****	*	****	***	*
CD4	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	**	ns	ns
CD8A	ns	ns	ns	ns	ns	ns	ns	ns	****	ns	*	****	**	ns	****
PRF1	ns	ns	ns	ns	ns	ns	****	ns	ns	**	ns	ns	****	ns	ns
GZMB	ns	ns	ns	**	*	ns	****	ns	ns	****	*	ns	****	**	ns
GATA-3	ns	ns	ns	ns	ns	ns	**	**	****	**	**	****	****	****	****
IL-4	ns	ns	ns	ns	ns	ns	*	*	**	ns	ns	ns	ns	ns	ns
IL-5	ns	ns	ns	ns	ns	ns	****	****	ns	ns	***	**	**	***	ns
IL-13	ns	ns	ns	ns	ns	ns	****	****	ns	ns	****	*	ns	***	ns
ROR- γ -T	ns	ns	ns	*	ns	ns	*	ns	ns	ns	*	ns	ns	ns	ns
IL-17	ns	ns	ns	*	ns	ns	**	ns	ns	*	ns	ns	**	ns	ns
IL-22	ns	ns	ns	****	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
FoxP3	ns	ns	ns	ns	ns	ns	ns	ns	ns	***	***	*	*	***	*
IL-10	ns	ns	ns	ns	ns	ns	****	**	ns	****	ns	****	****	****	ns
TGF- β	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
CD19	ns	ns	ns	ns	ns	ns	ns	****	ns	**	ns	***	ns	ns	ns
AID	ns	ns	ns	ns	ns	ns	**	ns	ns	***	**	ns	***	ns	ns
BCL6	ns	***	ns	ns	ns	ns	*	****	ns	*	***	ns	***	**	ns
IL-6	ns	ns	ns	ns	ns	ns	****	****	ns	****	****	ns	****	****	ns
IL-1 β	****	ns	ns	****	ns	ns	ns	ns	ns	****	ns	ns	****	*	ns
TNF	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	***	ns	ns	**	ns