## Supplementary Table 3. Mediastinal Lymph Node – Stat. 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 | ns |
| STAT2 | ns | ns | 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 |
| 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 | ns |
| IRF2 | ns | ns | ns | ns | ns | ns | * | ** | ns | ** | ** | * | ** | ** | ** |
| STAT1 | 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 | ** | ** | **** | *** | ** | **** |
| IL-12 | ns | ns | ns | ** | ns | ns | * | ns | ns | * | ns | ns | * | ns | ns |
| T-bet | ** | **** | 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 | * | **** |
| IL-21 | ns | ns | ns | ns | ns | ns | ns | ns | ns | ns | ns | * | ns | ns | ** |
| CXCR5 | ns | ns | ns | * | * | * | *** | *** | ** | **** | **** | **** | **** | **** | **** |
| CD4 | ns | ns | ns | ns | ns | ns | ns | ns | ns | ns | ns | ** | ns | ns | **** |
| CD8A | ns | ns | * | ns | ns | ns | ns | ns | ns | ns | ns | **** | ns | ns | **** |
| PRF1 | ns | ns | ns | ns | ns | ns | ns | ns | ns | ns | ns | ns | ns | ns | ns |
| GZMB | ns | ns | ns | ** | ns | | ** | ns | ns | * | ns | ns | * | ns | ns |
| GATA-3 | ns | ns | ns | ns | ns | ns | *** | ns | ns | **** | * | ns | **** | ** | ns |
| IL-4 | ns | ns | ns | ns | ns | ns | ns | * | ** | ** | * | **** | ** | ns | * |
| IL-5 | ns | ns | ns | ns | ns | ns | * | ns | ns | ** | ** | ns | ** | *** | ns |
| IL-13 | ns | 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 | ns | ns |
| IL-17 | ns | ns | ns | ns | 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 | ns |
| FoxP3 | ns | ns | * | ns | ns | ** | ** | ** | ns | ns | **** | ns | ns | **** | ns |
| IL-10 | ns | ns | ns | ns | ns | ns | ns | ** | ** | ns | ns | * | ns | ** | ns |
| TGF-β | ns | ns | ns | ns | ns | ns | **** | ns | ns | ns | ns | *** | ** | ns | * |
| CD19 | ns | ns | ns | ns | ns | ns | ns | ns | ns | ns | * | *** | ns | **** | * |
| AID | * | ns | * | ns | ns | ns | *** | * | * | **** | **** | ** | **** | **** | |
| BCL6 | ns | ** | * | ns | ns | ns | * | ** | ** | **** | **** | ** | **** | **** | ** |
| IL-6 | ns | ns | ns | ns | ns | ns | ns | ns | ns | ns | ns | ** | ns | * | **** |
| IL-1β | ns | ns | * | ns | ns | ns | ns | ns | * | ns | ns | ** | ns | ns | ns |
| TNF | ns | ns | ns | ns | ns | ns | ns | ns | ns | ns | ns | ns | ns | ns | ns |