**Supplementary Information**

**Immune transcriptomes of highly exposed SARS-CoV-2 asymptomatic seropositive versus seronegative individuals from the Ischgl community**

Hye Kyung Lee1, \*, Ludwig Knabl2,\*,†, Lisa Pipperger2, Andre Volland2, Priscilla A. Furth3, Keunsoo Kang4, Ludwig Knabl Sr.5, Romuald Bellmann6, Christina Bernhard7, Norbert Kaiser8, Hannes Gänzer9, Mathias Ströhle10, Andreas Walser11, Dorothee von Laer2 and Lothar Hennighausen1,†

\* Equal contribution

† Correspondence to: L.K. ([Ludwig.knabl@i-med.ac.at](mailto:Ludwig.knabl@i-med.ac.at)) and L.H. ([lotharh@niddk.nih.gov](mailto:lotharh@niddk.nih.gov))

Supplementary Table 1. Household of tested patients.

Supplementary Table 2. A list of genes and GSEA analysis for mild symptomatic and seronegative patients of non-lschgl residents (Group D and E).

Supplementary Table 3. Gene list and GSEA analysis for asymptomatic and seronegative patients (Group A and B).

Supplementary Table 4. Cytokine profiles of all individuals.

Supplementary Table 5. Gene expression profiles and GSEA analysis from the cystic fibrosis patient and asymptomatic patients (Group A).

Supplementary Table 6. Gene expression profiles and GSEA analysis from the NEMO deficient patient and asymptomatic patients (Group A).