



Fig. S4 Pathway analysis along T-cell and monocyte-to-macrophage lineages

a Differentially-activated IFN I and II pathways along the CD8⁺, CD4⁺ and monocyte-to-macrophage lineages, comparing COVID-19 vs non-COVID-19. **b** Differentially-activated REACTOME pathways for the CD8⁺ T_{RM}-lineage, comparing mild vs critical COVID-19. **c** A selection of 10 differentially-activated REACTOME pathways along the CD8⁺ T_{RM}-lineage, comparing mild vs critical COVID-19. **d** Differentially-activated REACTOME pathways along the CD8⁺ T_{EX}-lineage, comparing mild vs critical COVID-19. **e** A selection of 10 differentially-activated REACTOME pathways along the CD8⁺ T_{EX}-lineage, comparing mild vs critical COVID-19. **f** Differentially-activated REACTOME pathways for the CD4⁺ T_{H1}-lineage, comparing mild vs critical COVID-19. **g** A selection of 10 differentially-activated REACTOME pathways along the CD4⁺ T_{H1}-lineage, comparing mild vs critical COVID-19. **h** Differentially-activated REACTOME pathways for the CD4⁺ T_{H17}-lineage, comparing mild vs critical COVID-19. **i** A selection of 8 differentially-activated REACTOME pathways along the CD4⁺ T_{H17}-lineage, comparing mild vs critical COVID-19. **j** Differentially-activated REACTOME pathways for the alveolar macrophage lineage, comparing mild vs critical COVID-19. **k** A selection of 10 differentially-activated REACTOME pathways along the alveolar macrophage lineage, comparing mild vs critical COVID-19. **l** Differentially-activated REACTOME pathways for the RGS1-macrophage lineage, comparing mild vs critical COVID-19. **m** A selection of 10 differentially-activated REACTOME pathways along the RGS1-macrophage lineage, comparing mild vs critical COVID-19.