



(A) The UMAP plot of embeddings outputted by macrophage for human and mouse bronchoalveolar lavage, applied with csMAHN. (B) Dot plot showing posterior probability of the human macrophage integrating mouse and human bronchoalveolar lavage macrophage using csMAHN, The size of the dots corresponds to the proportion of each original label that is assigned to each csMAHN label. (C) AMs and IMs, (D) AM_4, (top panel) mouse and (bottom panel) human. (E) Proportional distribution of IMs. (F) Gene expression marker of AM_1, AM_2, AM_4. (G) The UMAP plot of embeddings outputted by macrophage for macaque and human COVID-19 infected bronchoalveolar lavage, applied with csMAHN. (H) Gene expression marker of Mac_TREM2_IFN, (top panel) macaque and (bottom panel) human. (I) Differences in the proportion of macrophage subtypes due to sex.