



Supplementary Figure S1. BAL scRNA-seq cell type definition and disease type distribution. (A) Marker for major cell type definitions. **(B)** and **(C)** Distribution and proportion of different major cell types in different disease types. **(D)** Correlation heatmap of major cell types. **(E)** Marker for neutrophil subtype definitions. (* $P < 0.05$, ** $P < 0.01$, *** $P < 0.001$).