

## **SUPPLEMENTARY TABLES**

**Supplementary Table 1: SCAVENGE analysis of monocyte count with 10X PBMC scATAC-seq dataset.**

**Supplementary Table 2: SCAVENGE analysis of 22 blood cell traits with Hematopoiesis scATAC-seq dataset.**

**Supplementary Table 3: SCAVENGE analysis of 22 blood cell traits with Hematopoiesis scATAC-seq 2 dataset.**

**Supplementary Table 4: Fine-mapped variants of COVID19 severity trait.**

**Supplementary Table 5: SCAVENGE analysis of COVID19 severity with COVID-19 PBMC scATAC-seq dataset.**

**Supplementary Table 6: Fine-mapped variants of the ALL risk trait.**

**Supplementary Table 7: SCAVENGE analysis of ALL risk predispositions with Hematopoiesis scATAC-seq 2 dataset.**