

Supplementary Material

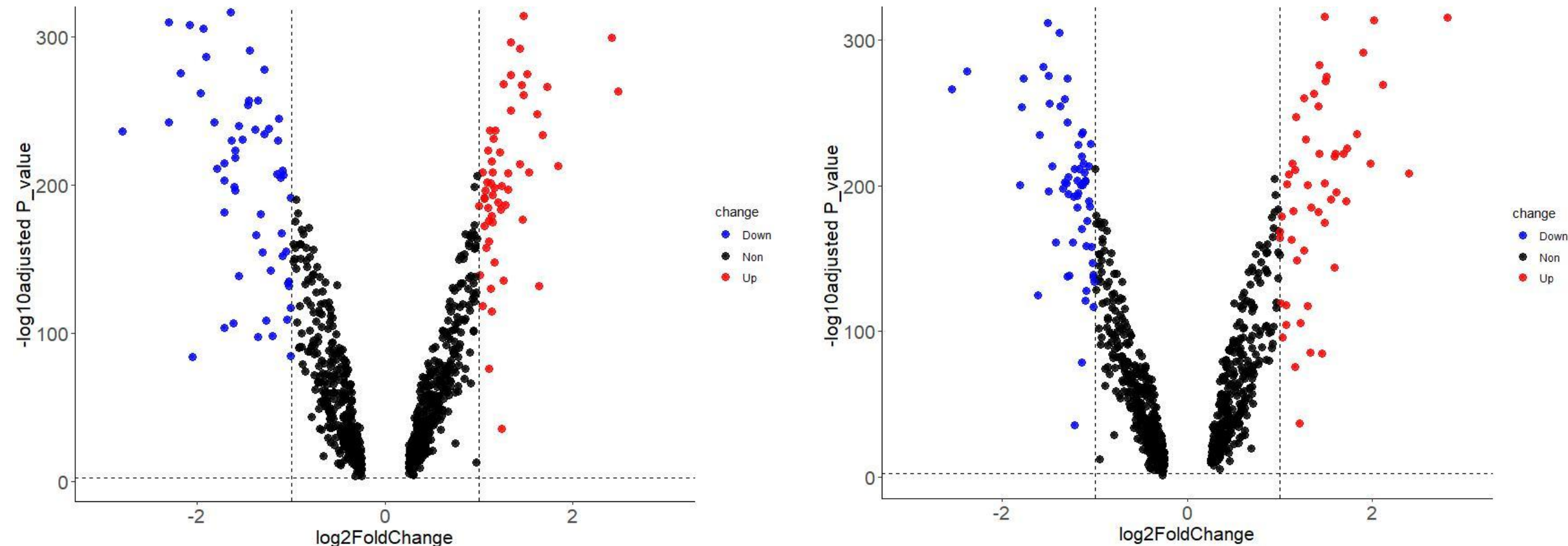


Figure S1. Visualization of CD4 T cell's and endothelial cells' volcano plot for differential expression analysis.

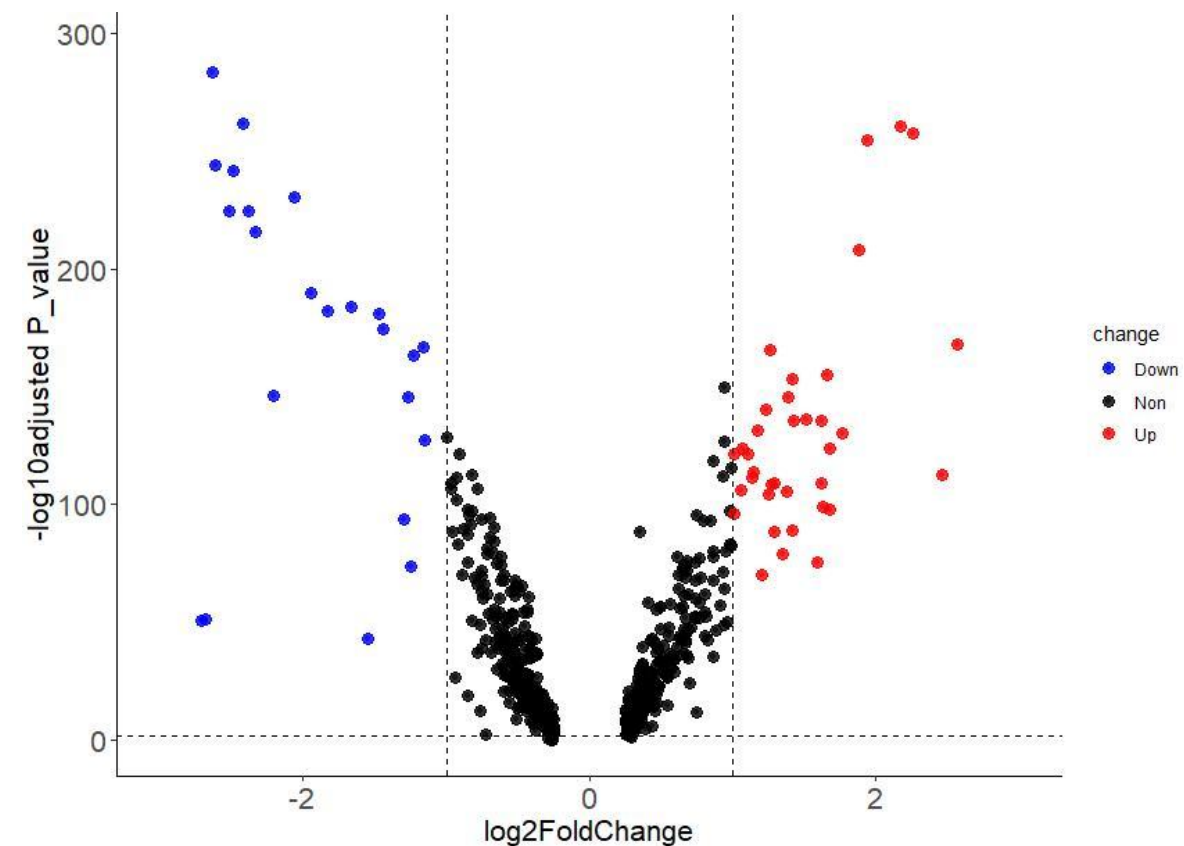
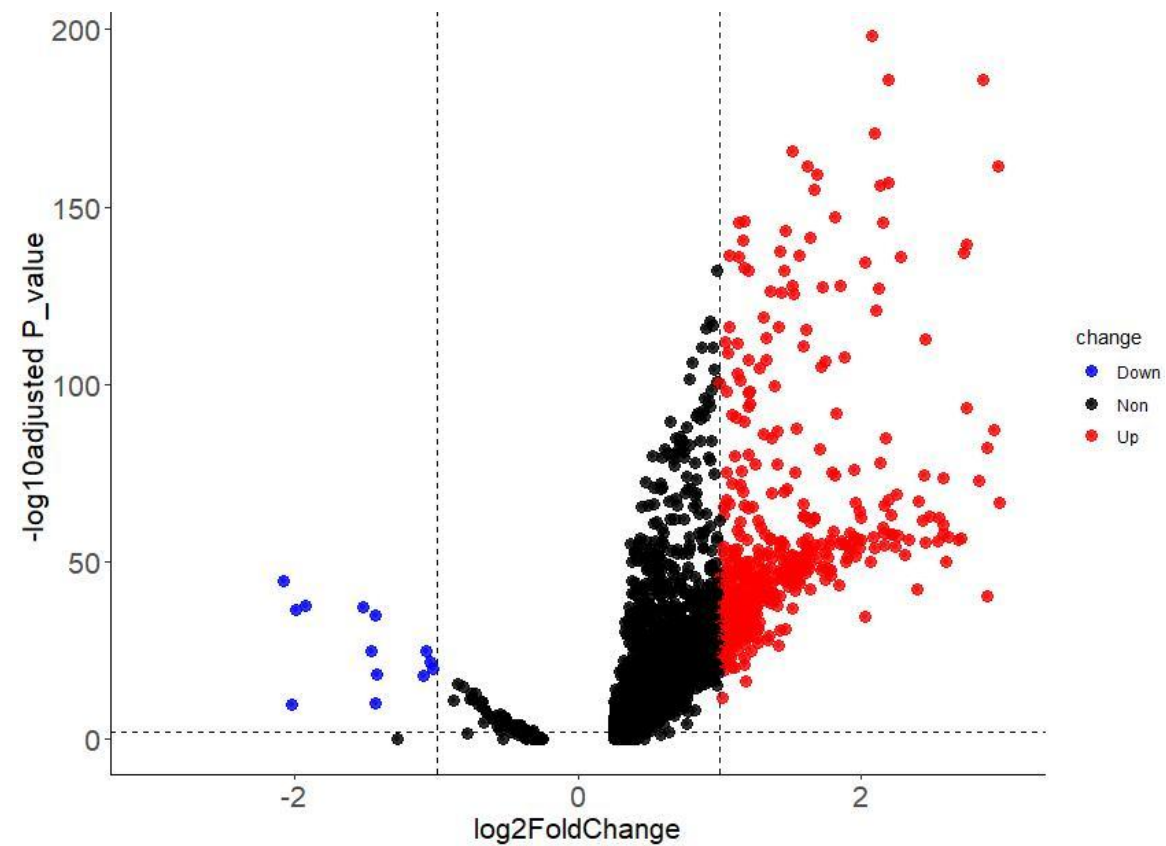


Figure S2. Visualization of B cells' and NK cells' volcano plot for differential expression analysis.

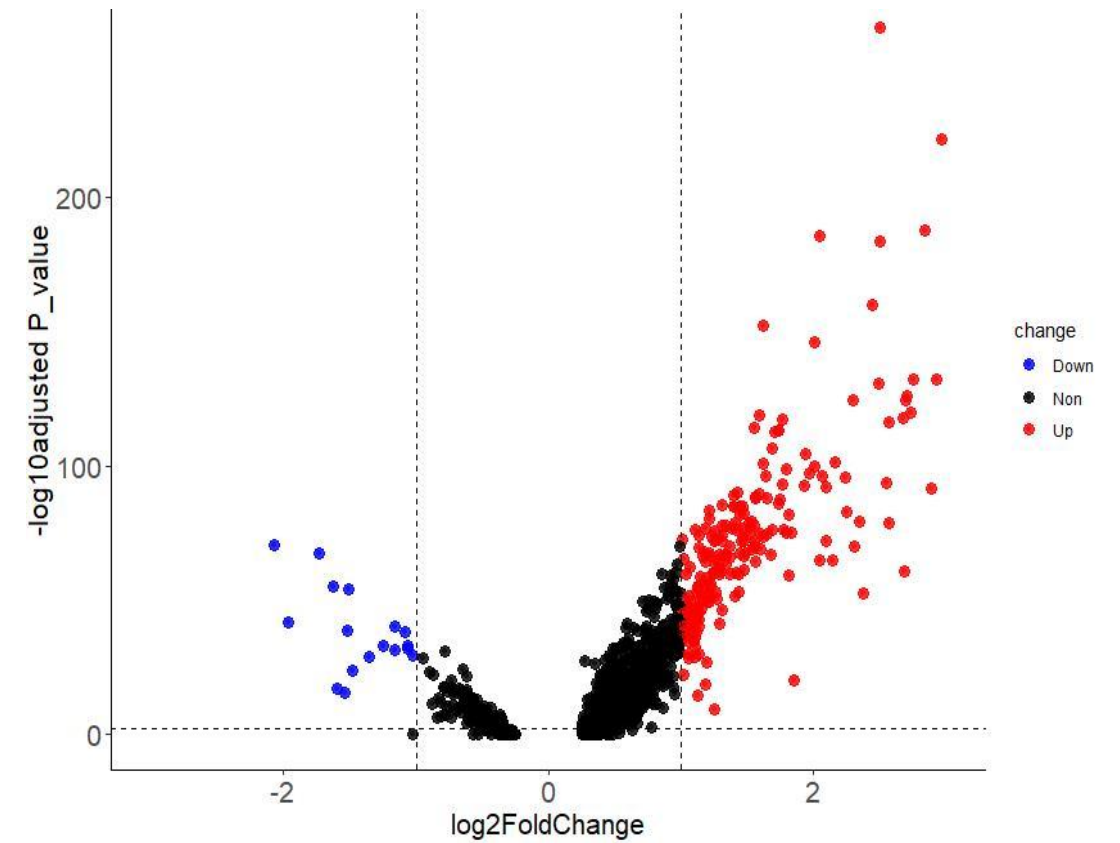
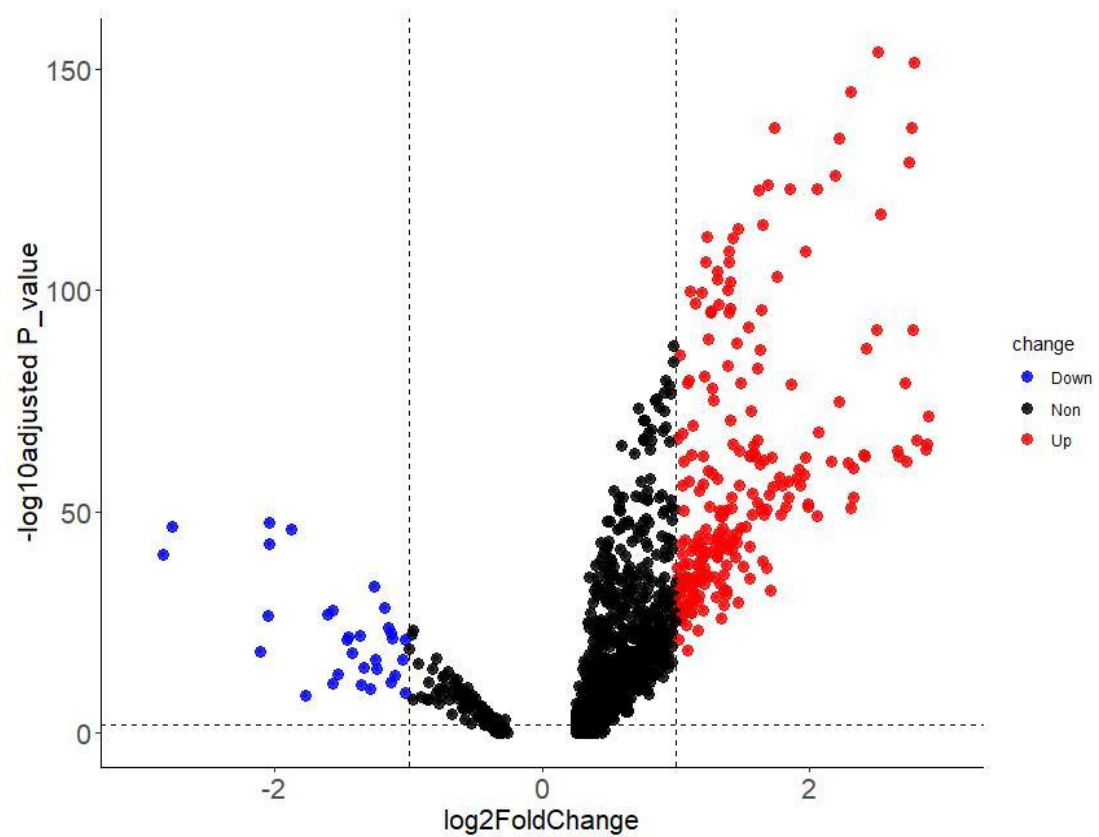


Figure S3. Visualization of CD14+ Monocytes and epithelial cells' volcano plot for differential expression analysis.

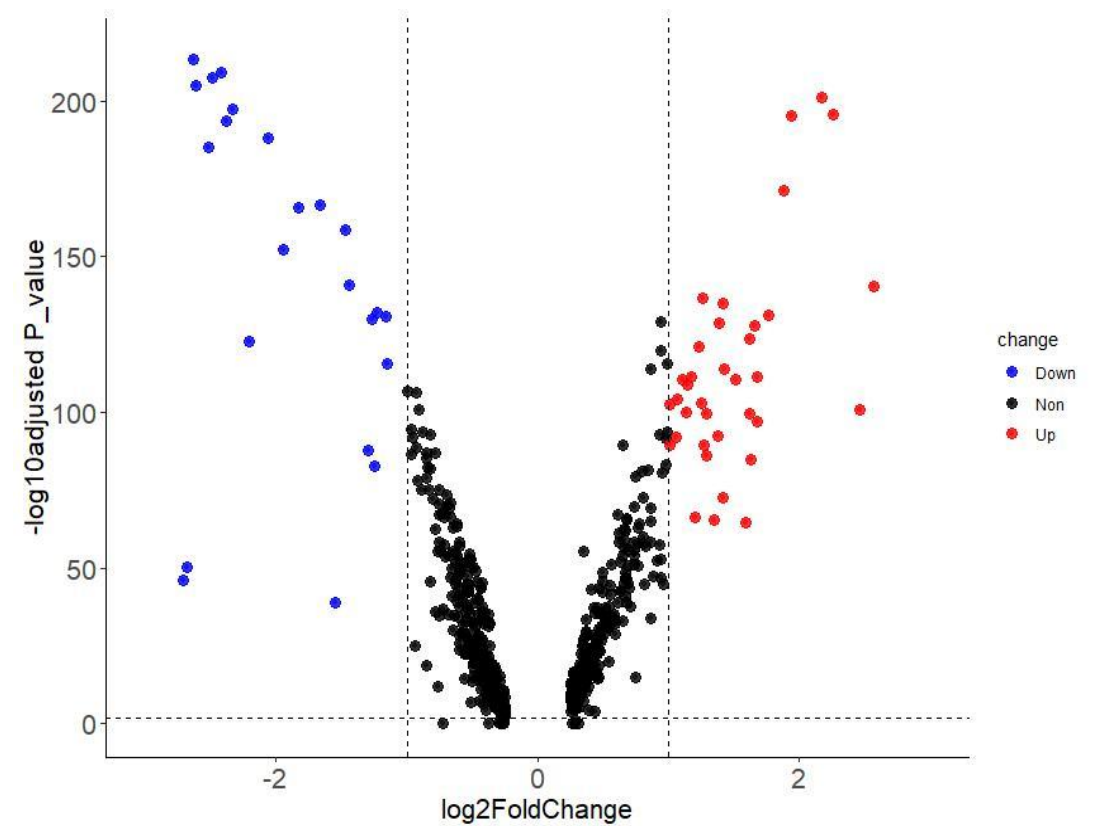
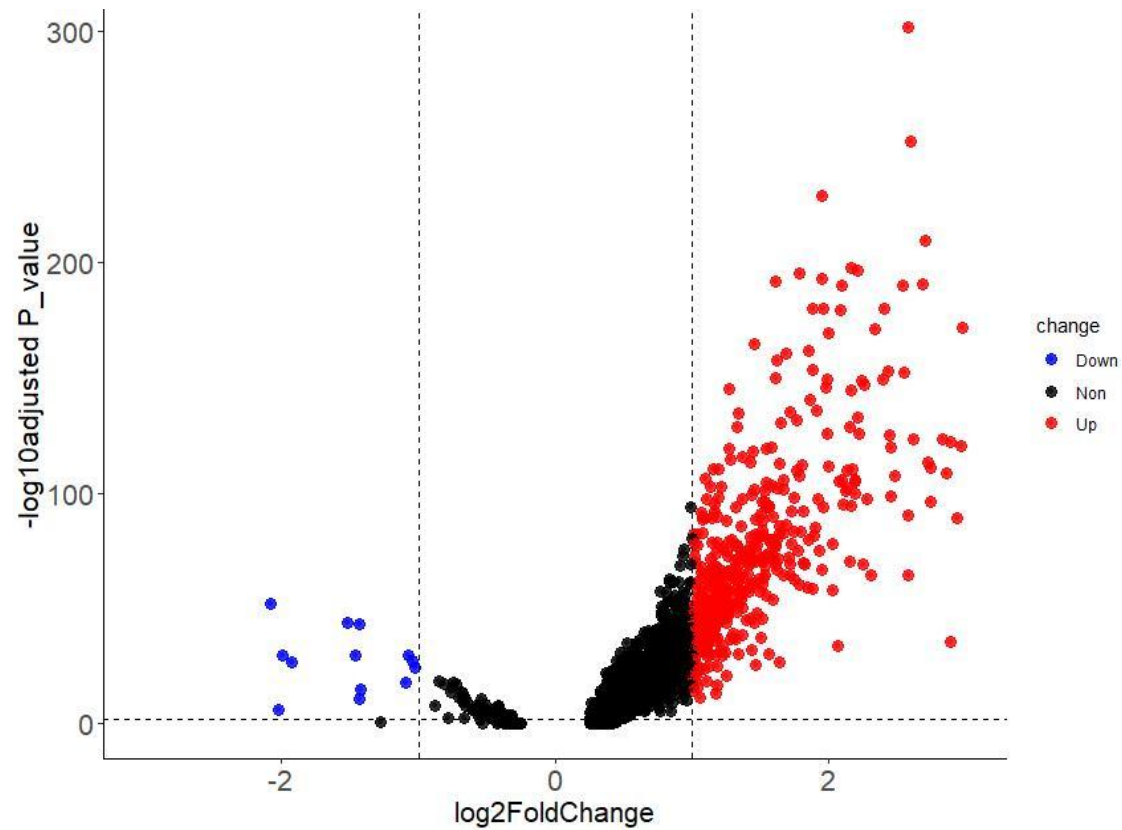
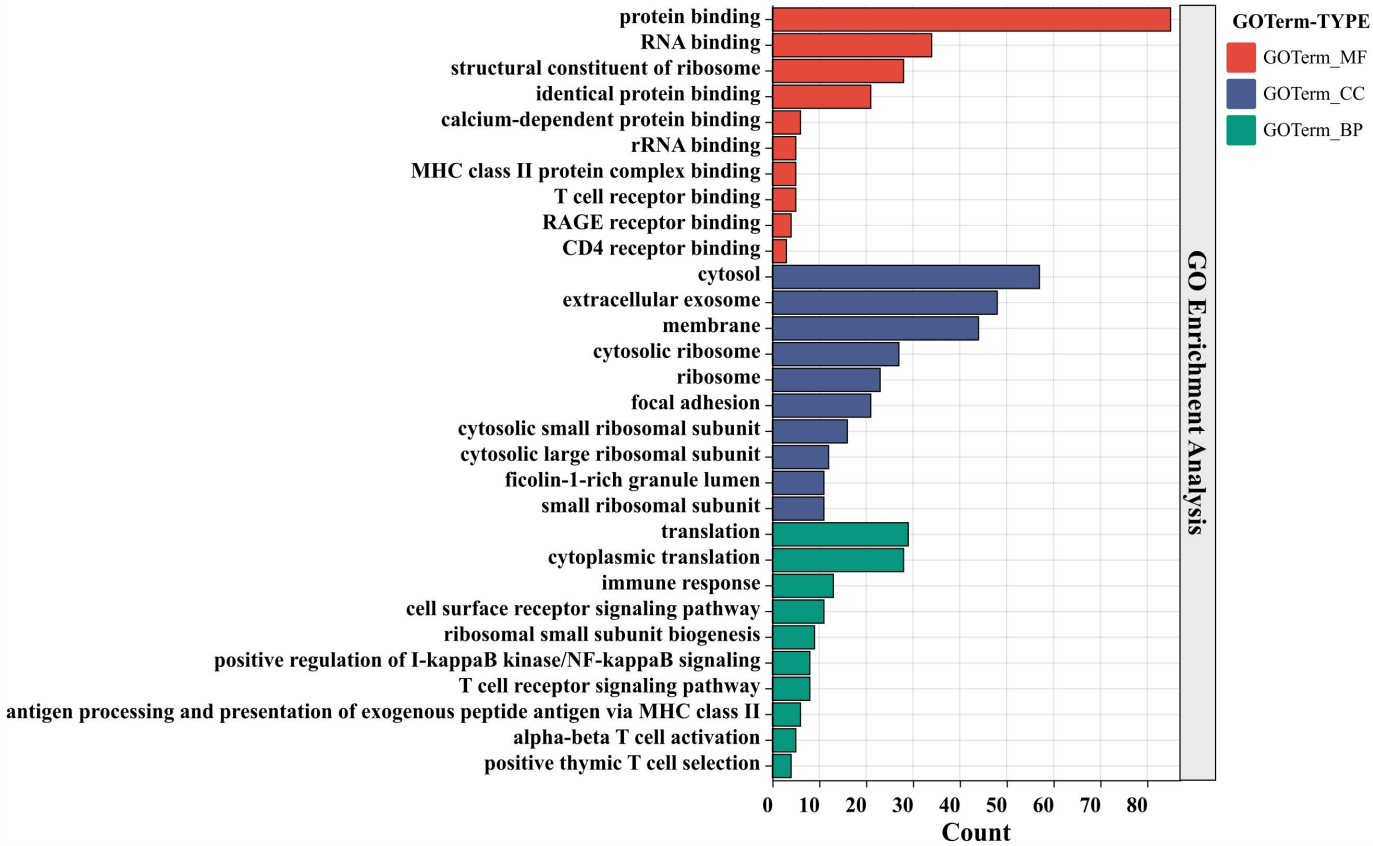


Figure S4. Visualization of FCGR3A+ Monocytes and Dendritic cells' volcano plot for differential expression analysis.

a.



b.

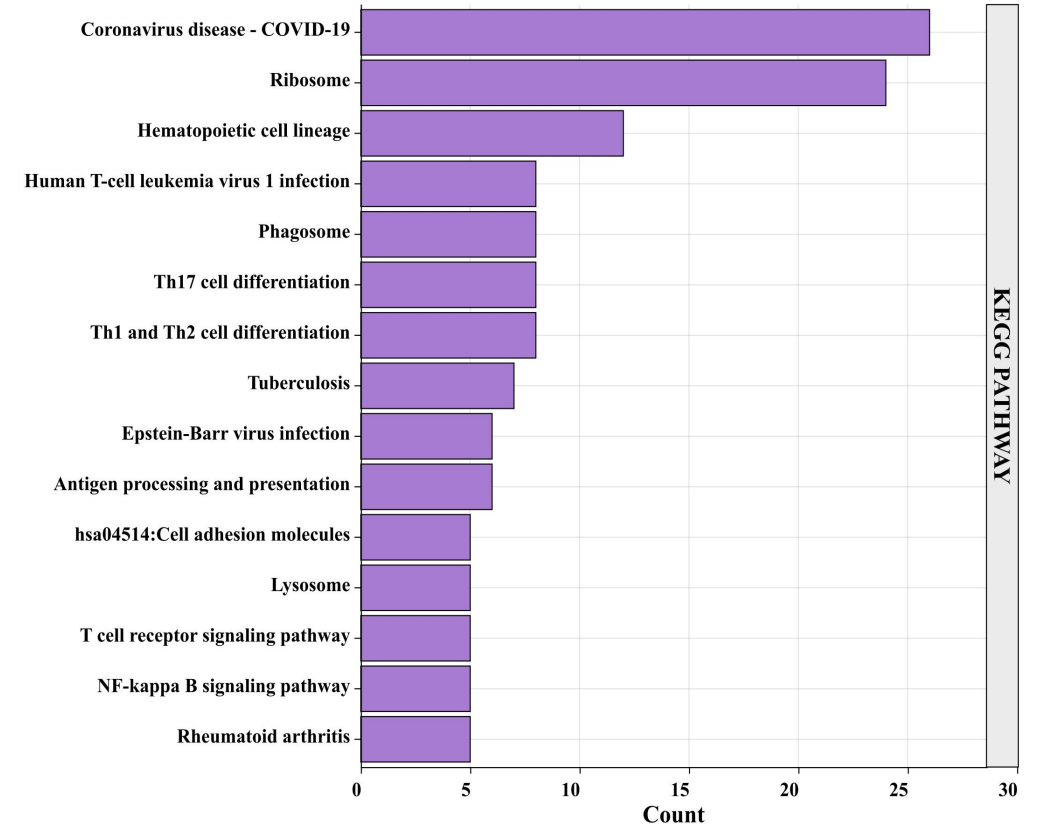
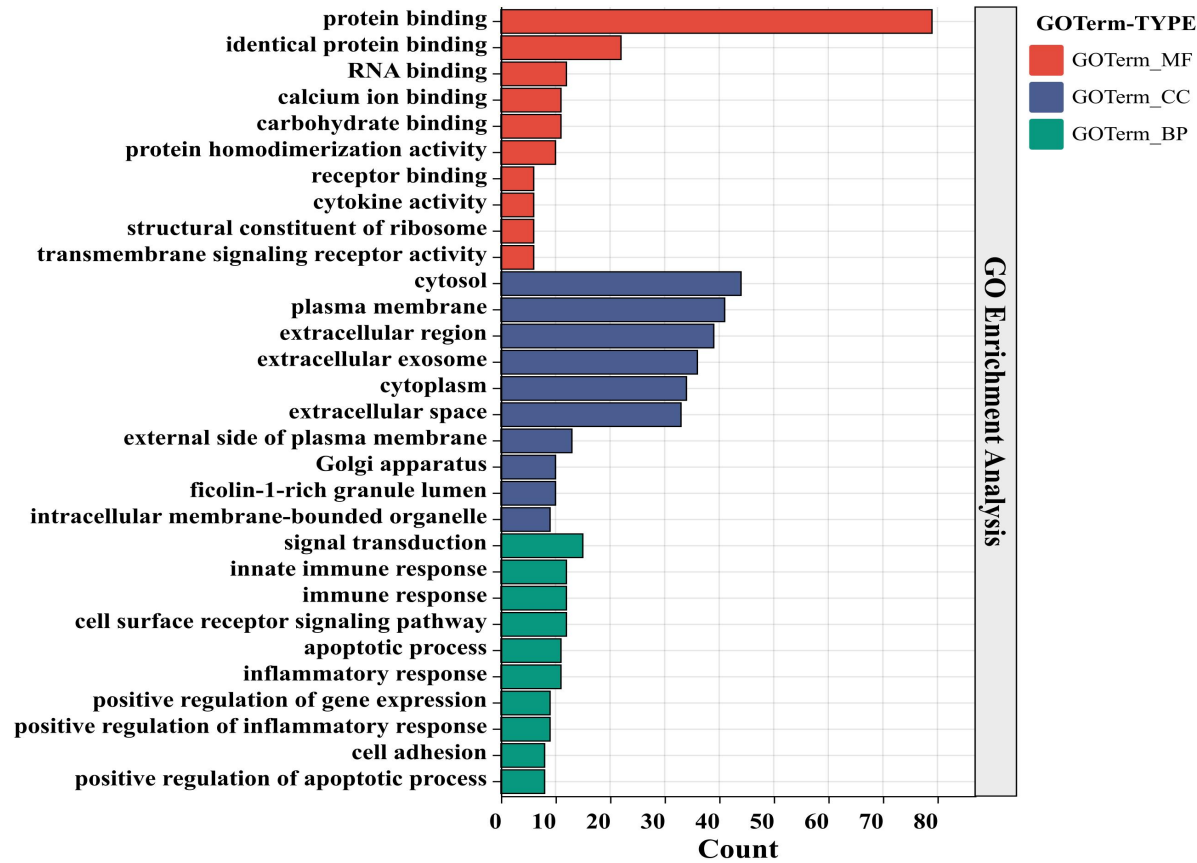


Figure S5. Functional enrichment results of the CD4 T cells cluster on PBMC dataset. a. GO enrichment analysis(two-sided Wilcoxon test and adopt BH to adjust p-values for multiple comparisons) b. KEGG pathway enrichment analysis.

a.



b.

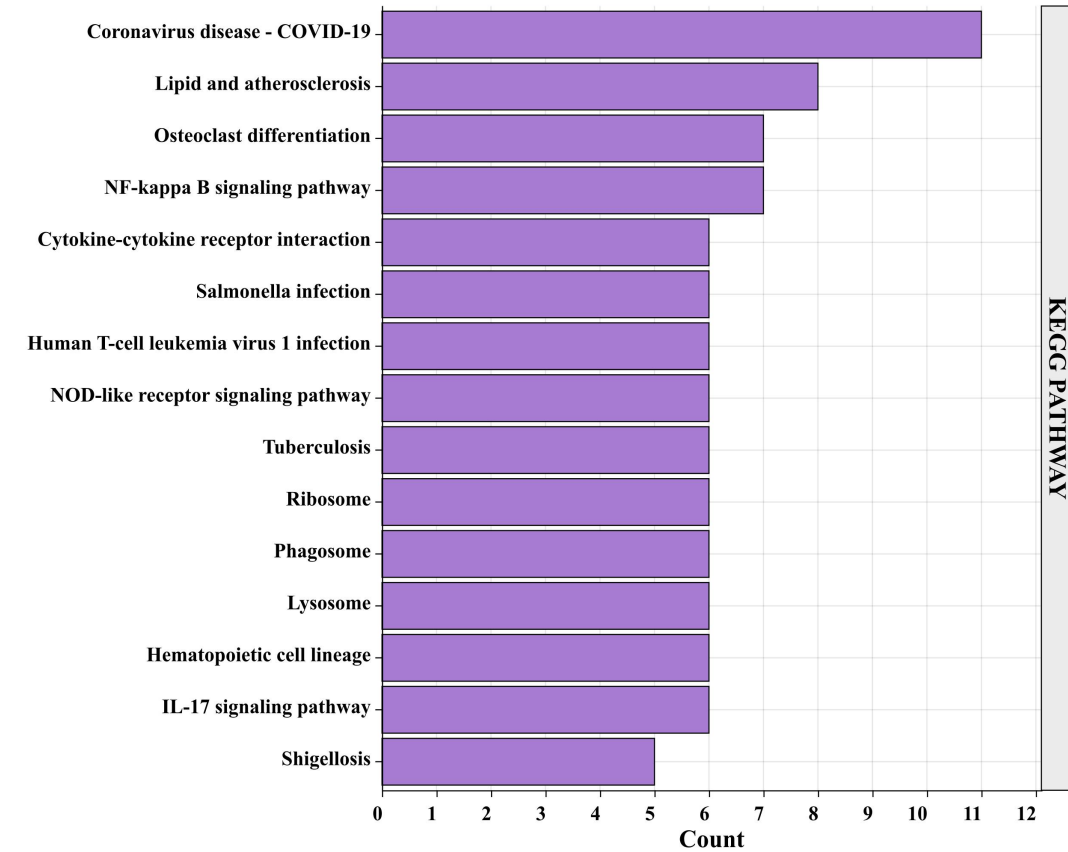
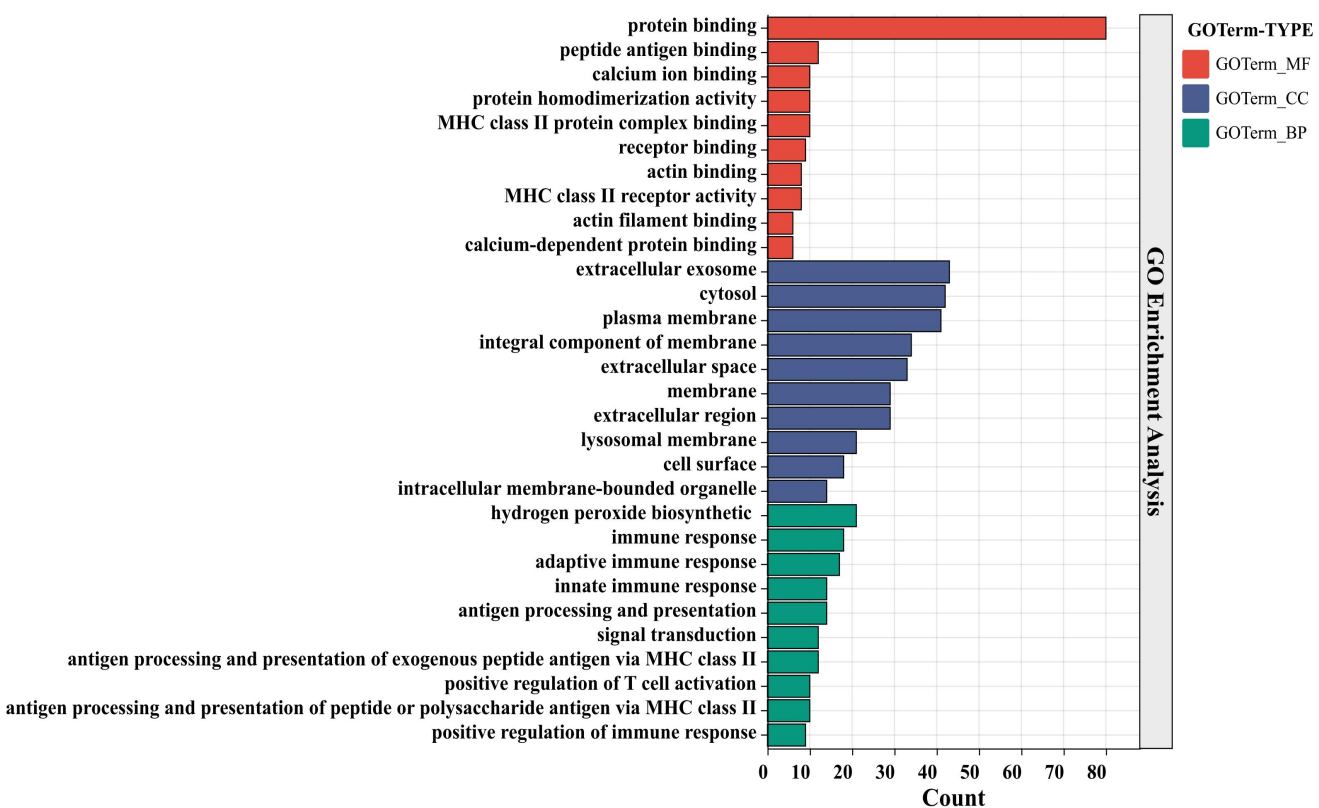


Figure S6. Functional enrichment results of the B cells' cluster on PBMC dataset. a. GO enrichment analysis(two-sided Wilcoxon test and adopt BH to adjust p-values for multiple comparisons) b. KEGG pathway enrichment analysis.

a.



b.

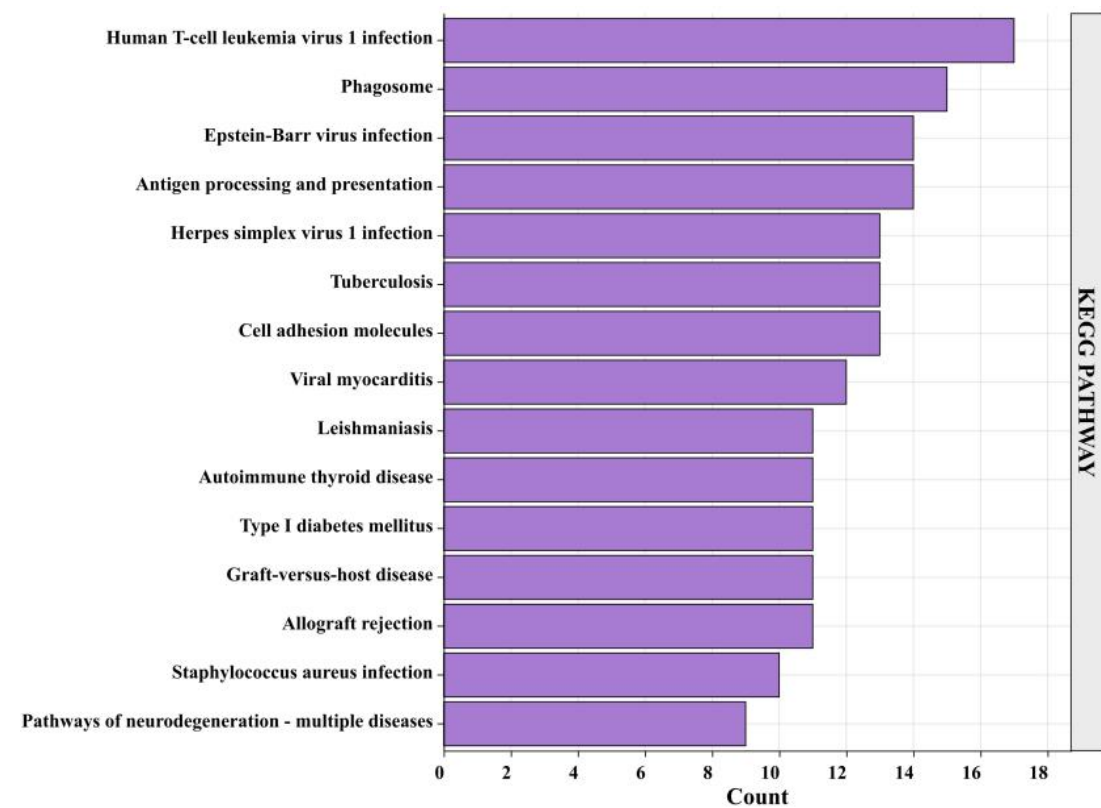
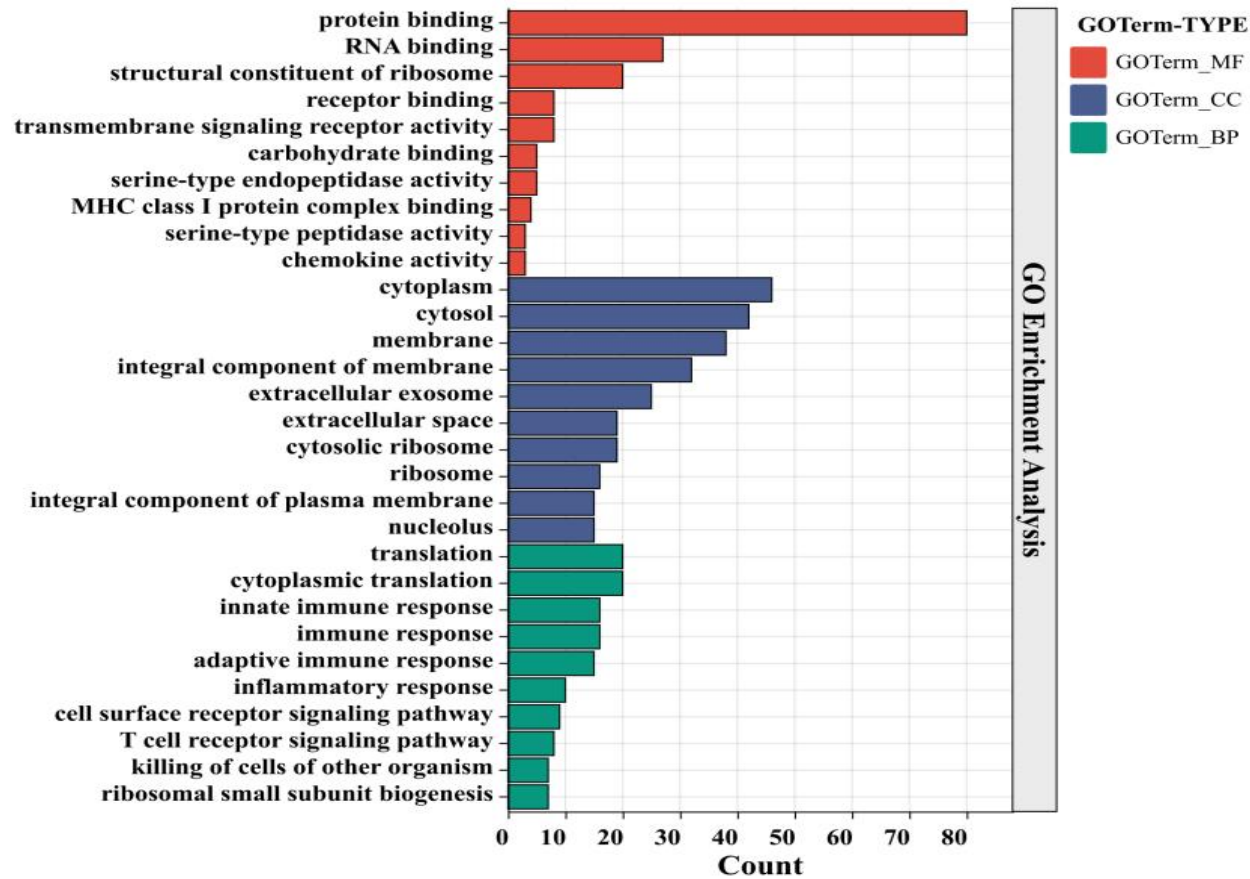


Figure S7. Functional enrichment results of the FCGR3A+ Monocytes cluster on PBMC dataset. a. GO enrichment analysis(two-sided Wilcoxon test and adopt BH to adjust p-values for multiple comparisons) b. KEGG pathway enrichment analysis.

a.



b.

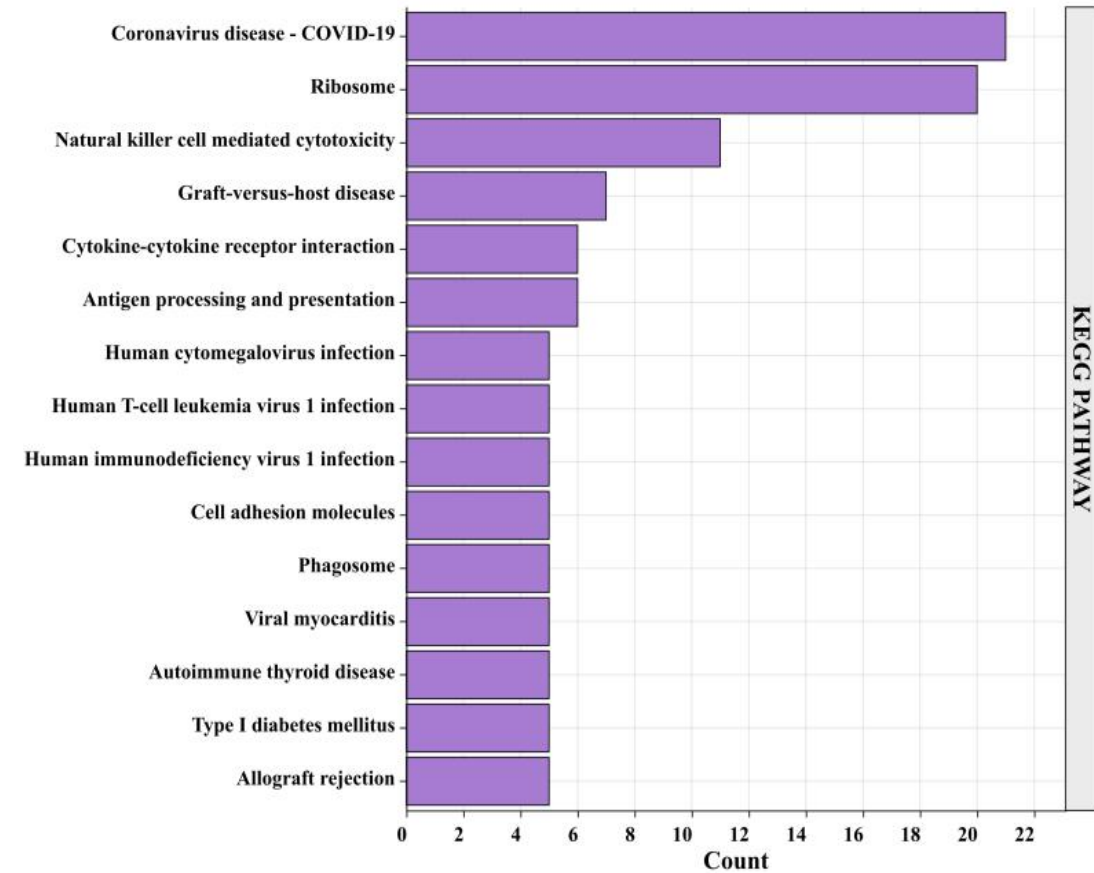
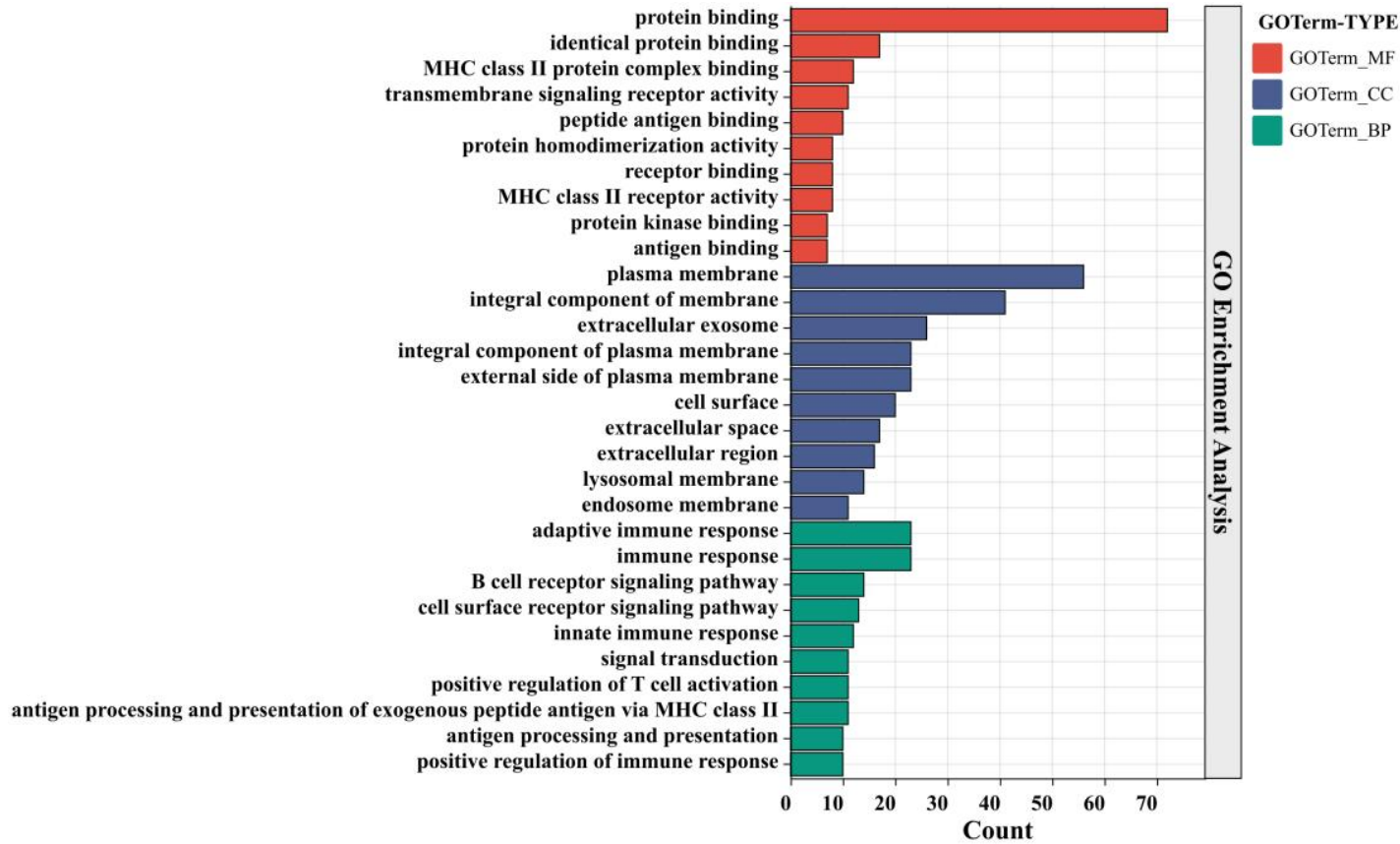


Figure S8. Functional enrichment results of the NK cells cluster on PBMC dataset. a. GO enrichment analysis(two-sided Wilcoxon test and adopt BH to adjust p-values for multiple comparisons) b. KEGG pathway enrichment analysis.

a.



b.

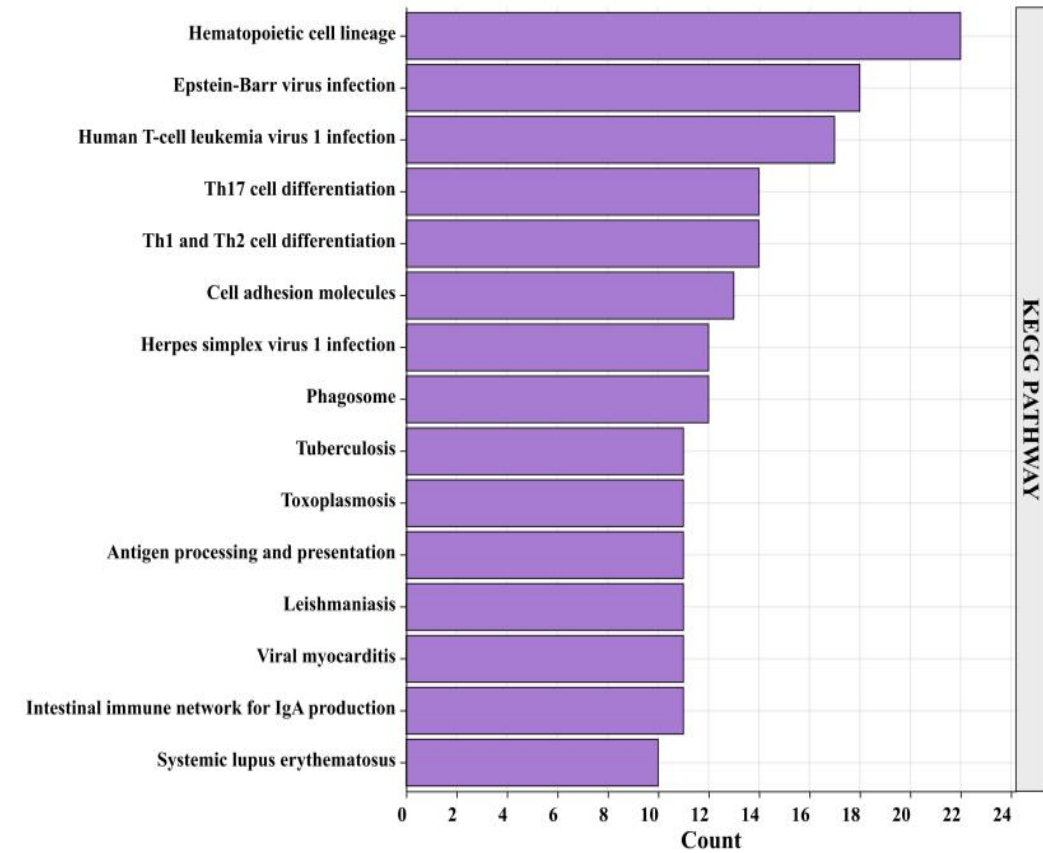
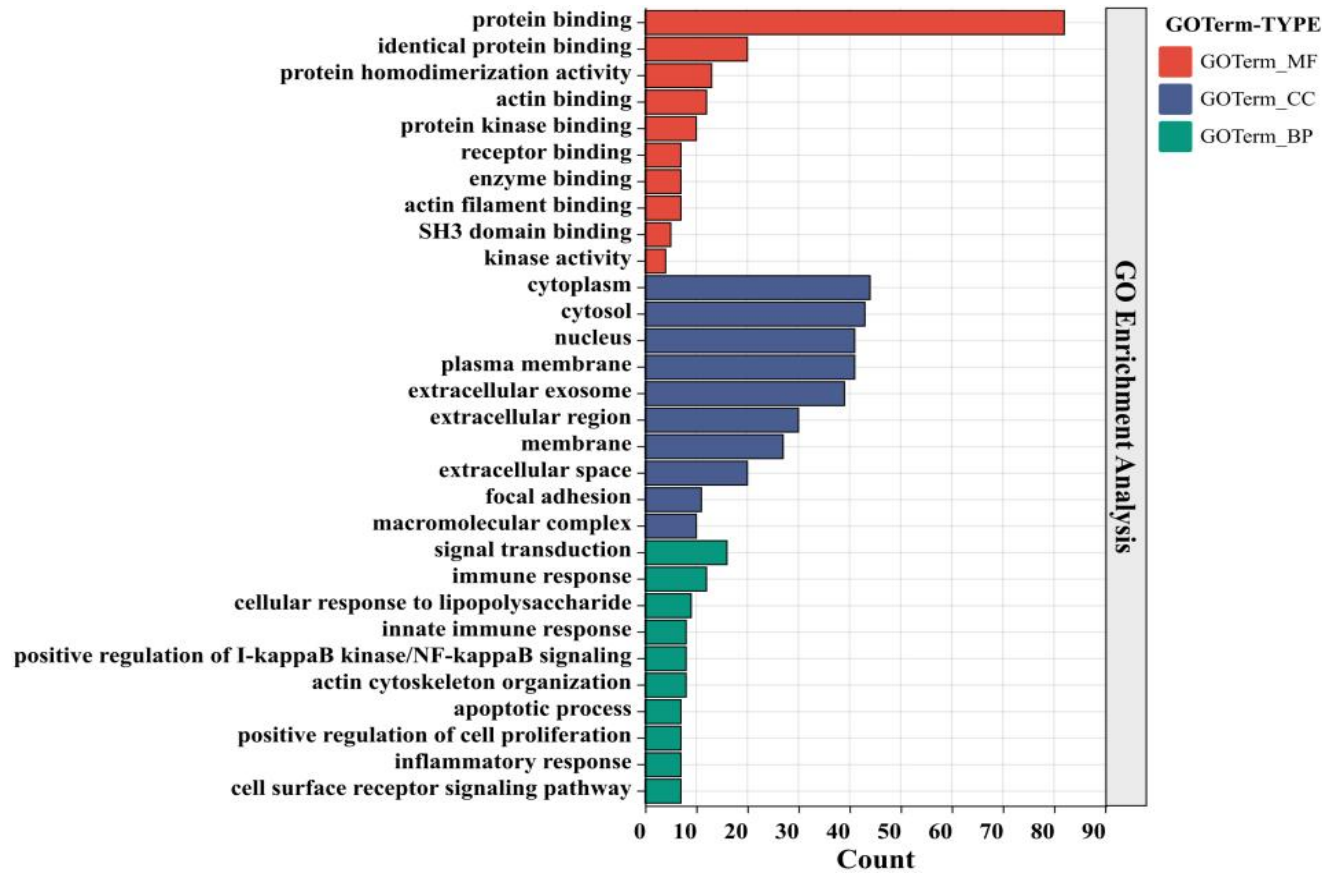


Figure S9. Functional enrichment results of the Dendritic cells cluster on PBMC dataset. (a) GO enrichment analysis(two-sided Wilcoxon test and adopt BH to adjust p-values for multiple comparisons) (b) KEGG pathway enrichment analysis.

a.



b.

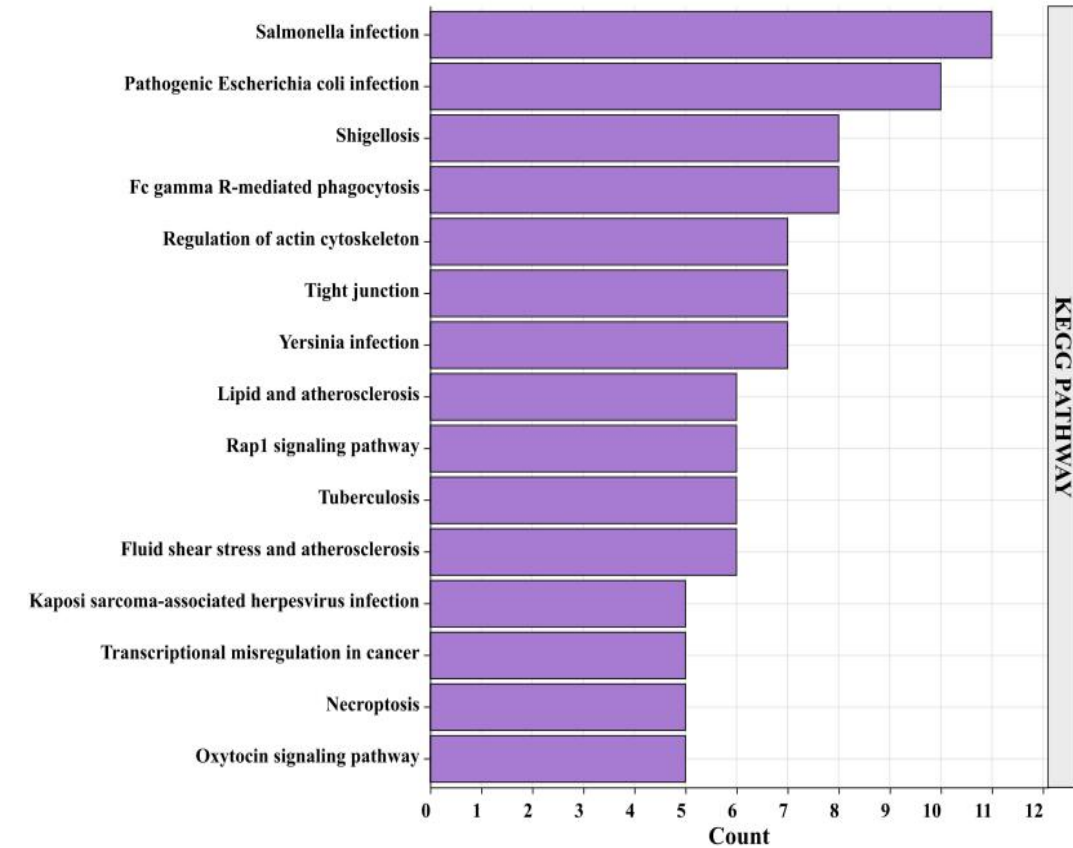


Figure S10. Functional enrichment results of the CD14+ Monocytes cluster on PBMC dataset. (a) GO enrichment analysis(two-sided Wilcoxon test and adopt BH to adjust p-values for multiple comparisons) (b) KEGG pathway enrichment analysis.

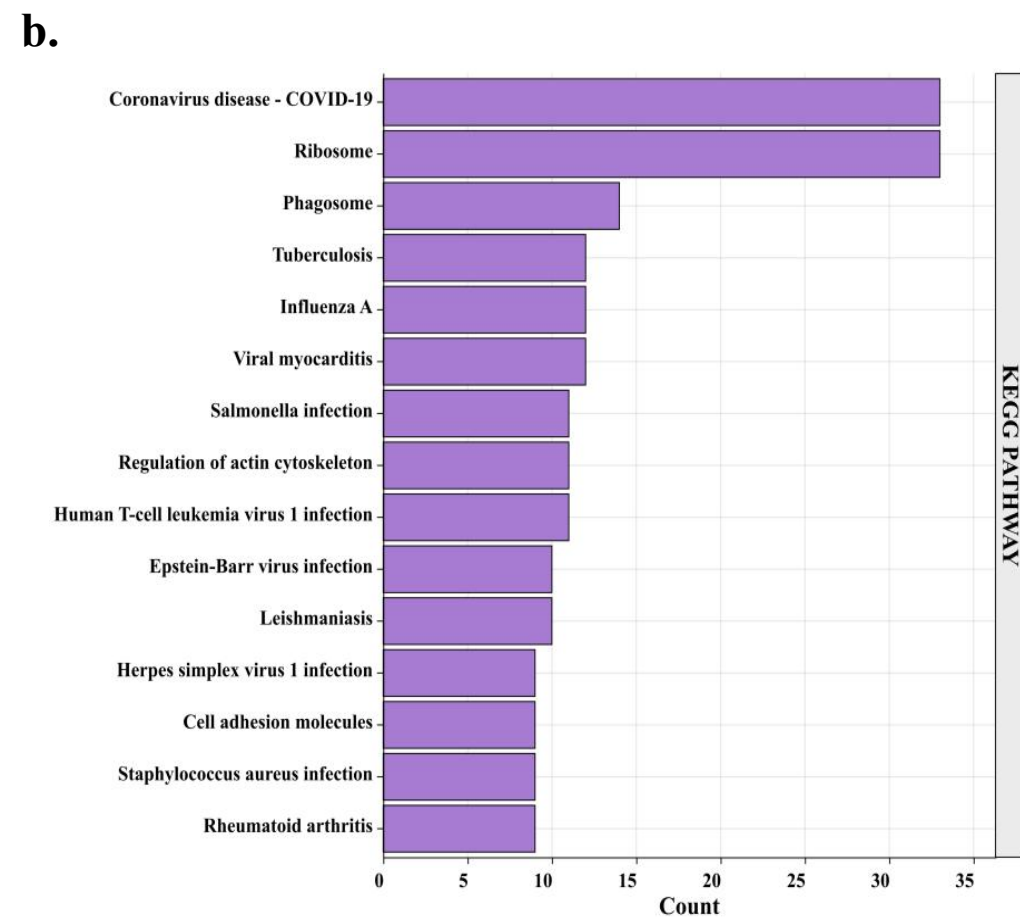
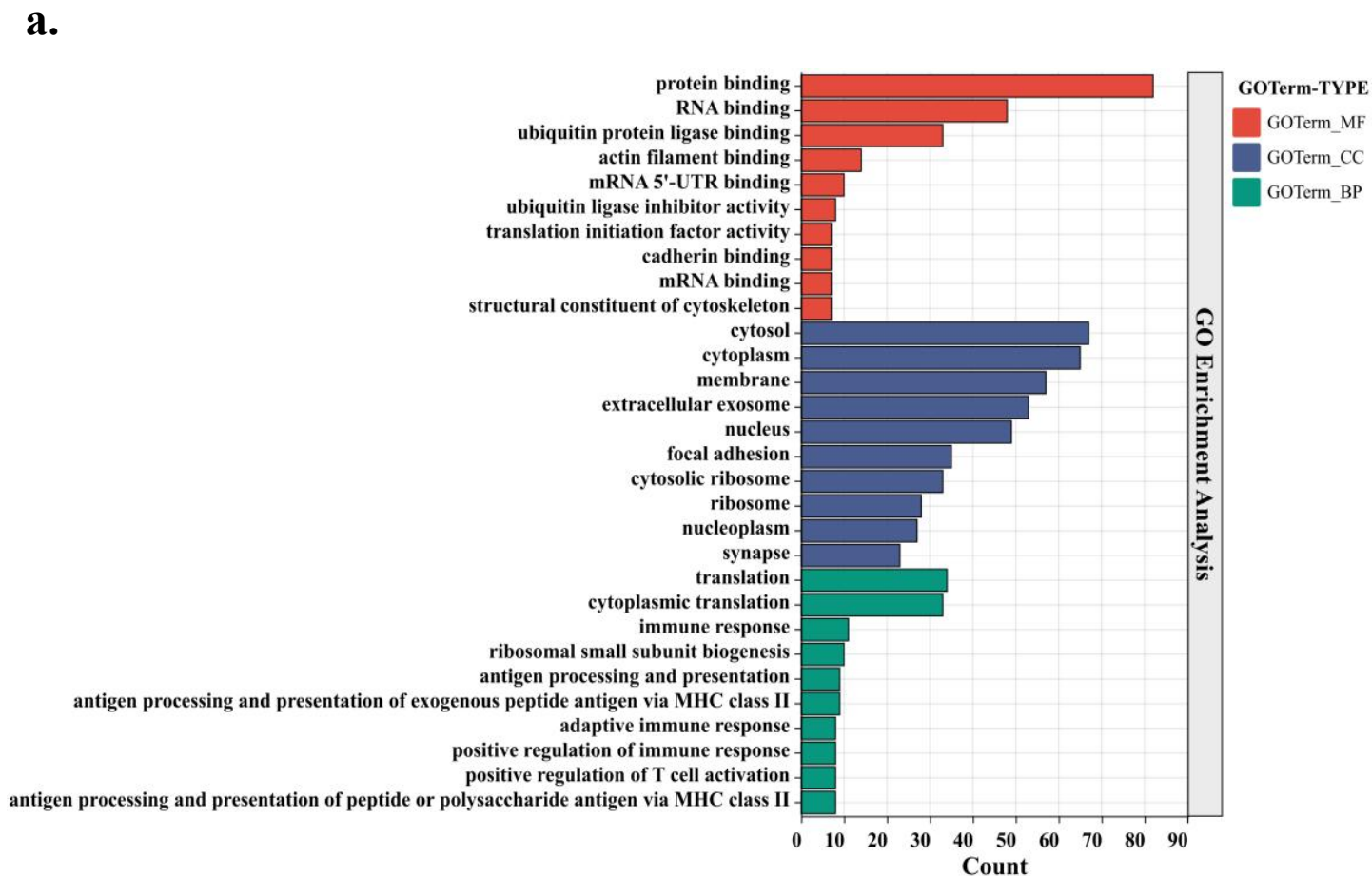
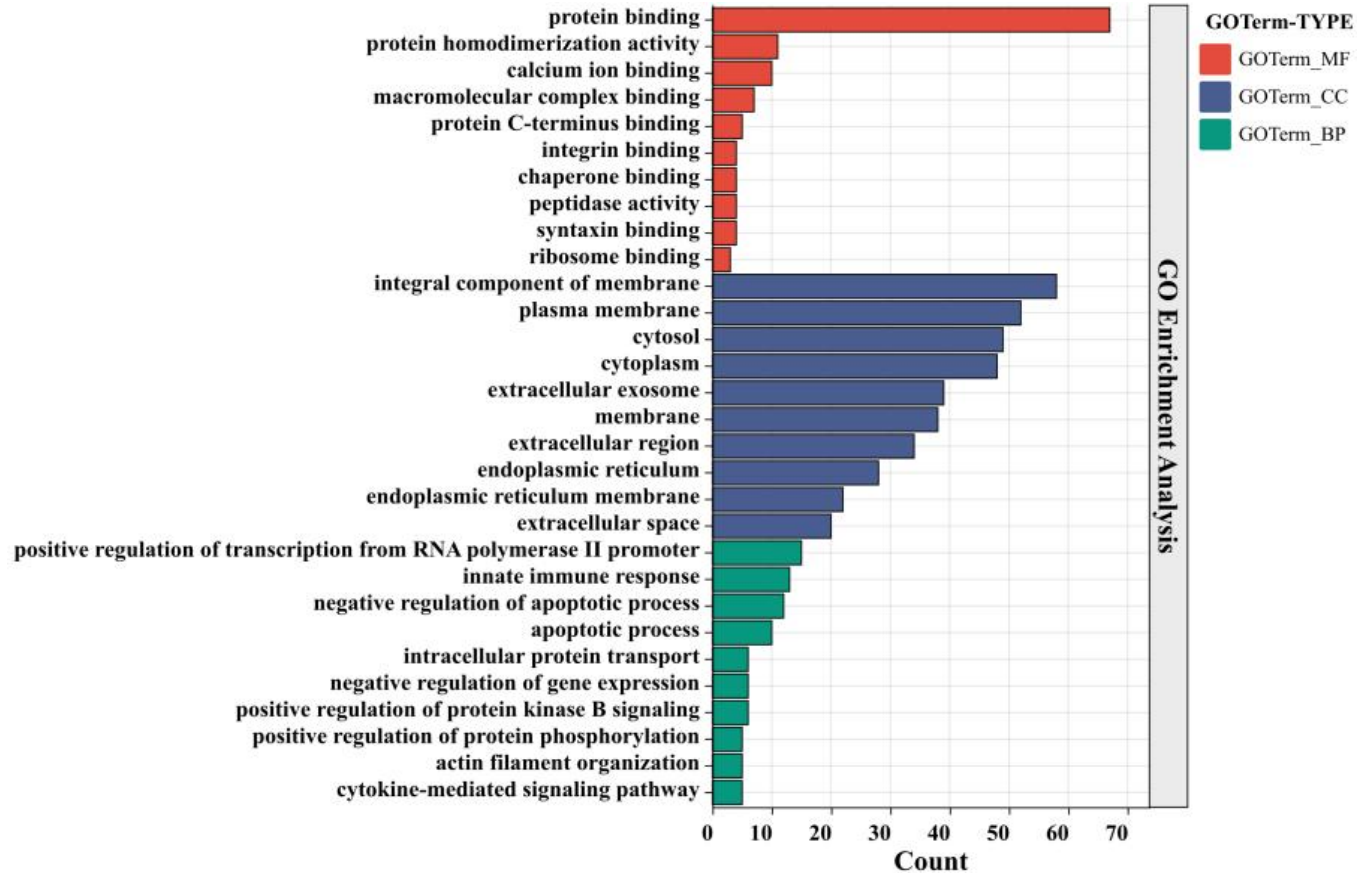


Figure S11. Functional enrichment results of the endothelial cells cluster on PBMC dataset. (a) GO enrichment analysis(two-sided Wilcoxon test and adopt BH to adjust p-values for multiple comparisons) (b) KEGG pathway enrichment analysis.

a.



b.

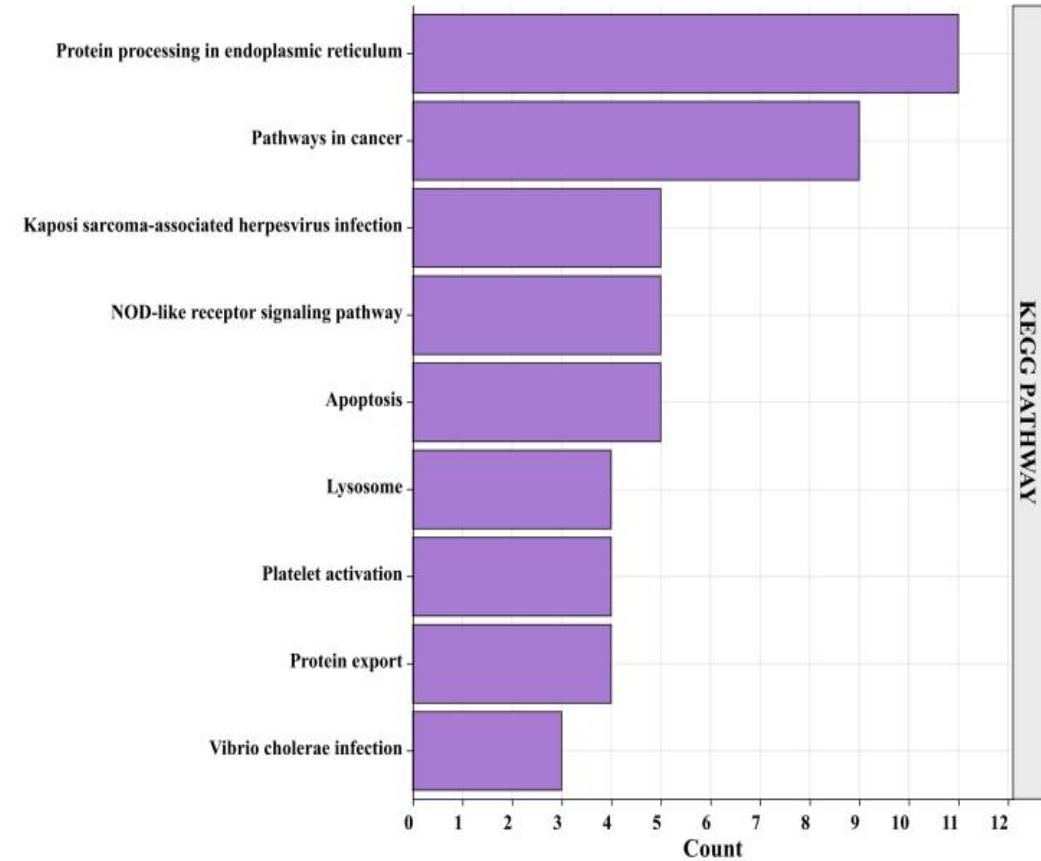


Figure S12. Functional enrichment results of the epithelial cells cluster on PBMC dataset. (a) GO enrichment analysis(two-sided Wilcoxon test and adopt BH to adjust p-values for multiple comparisons) (b) KEGG pathway enrichment analysis.