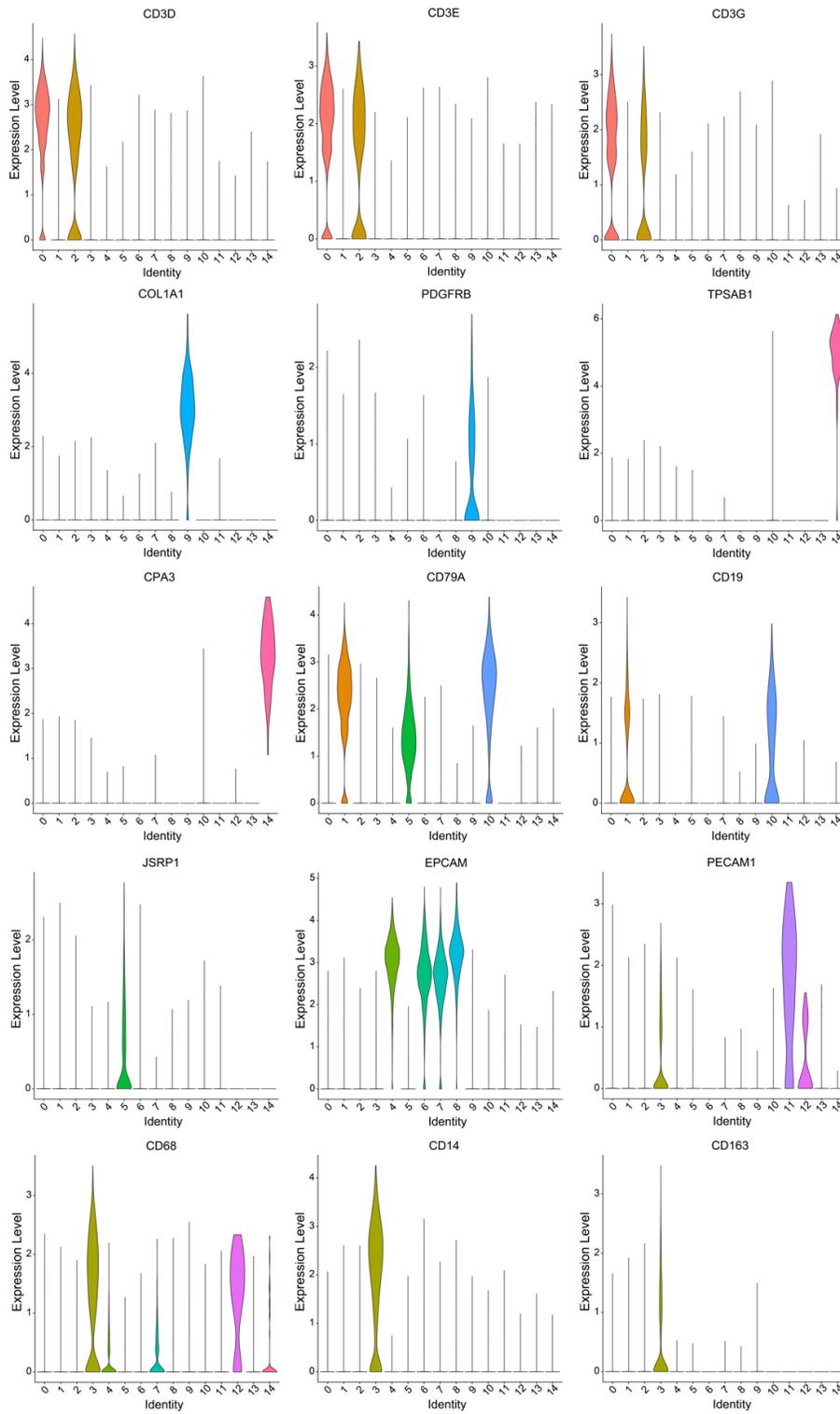
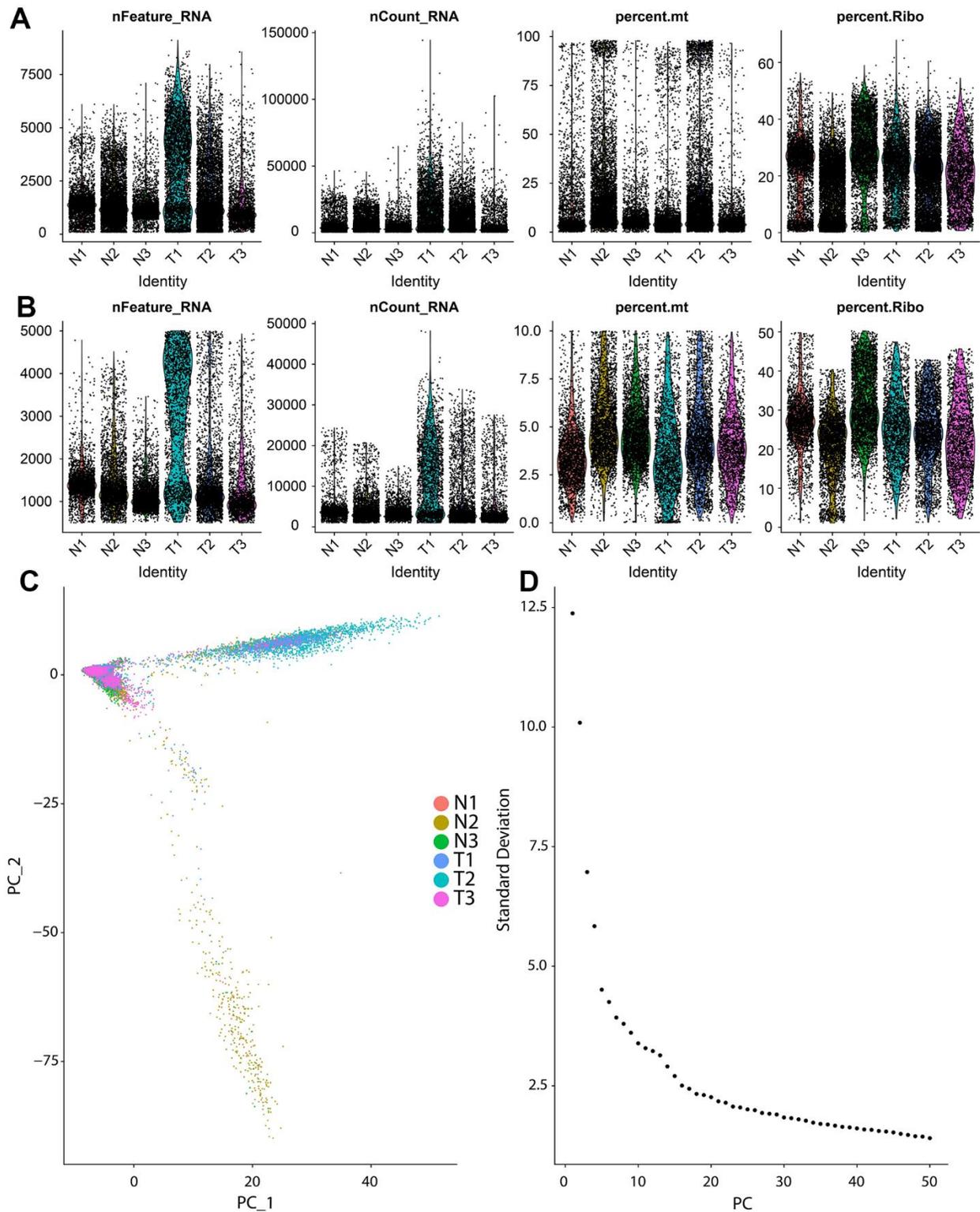


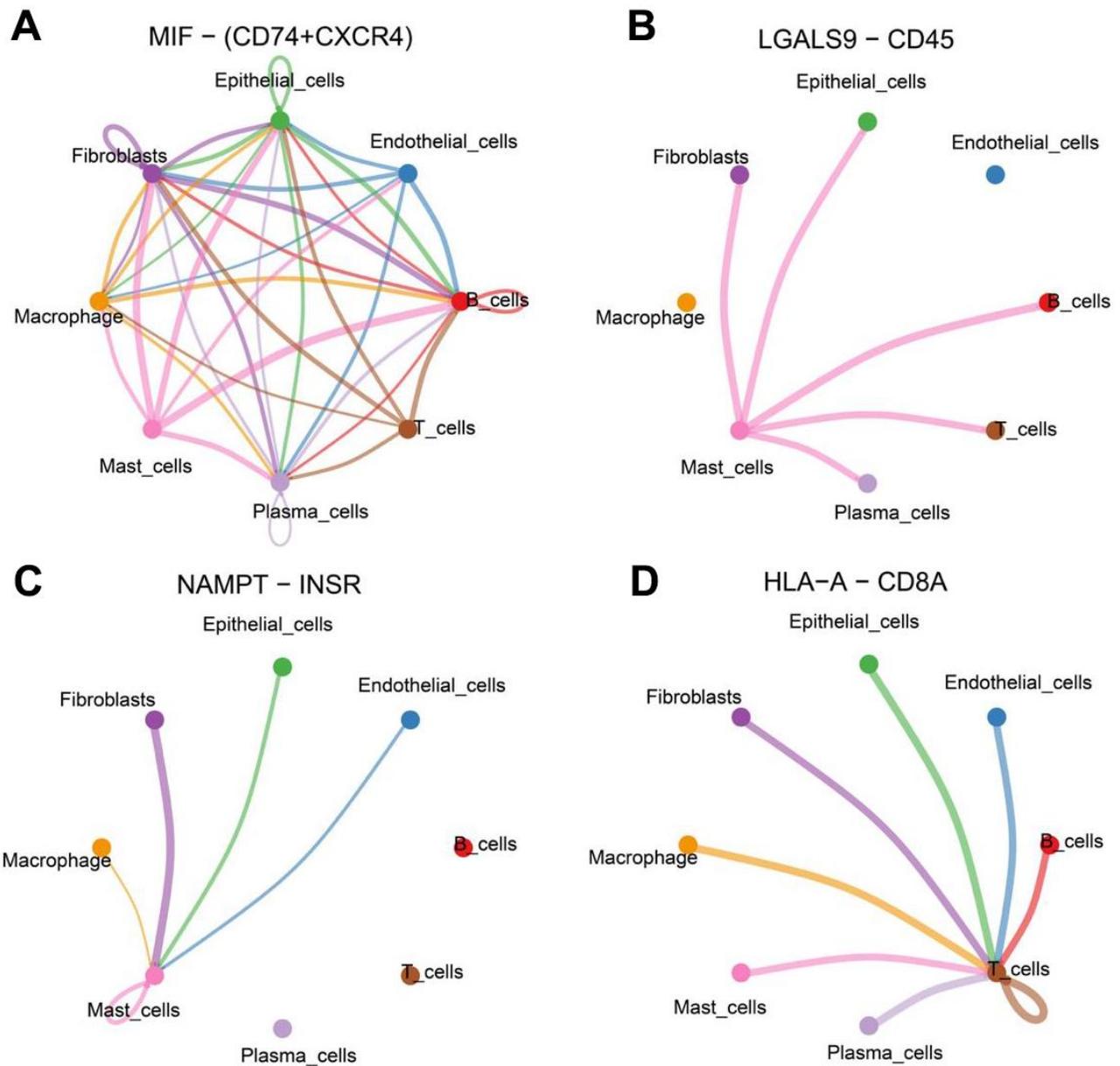
SUPPLEMENTARY FIGURES



Supplementary Figure 1. Violin diagram displaying the expression of representative markers across the 15 clusters identified in CRC. The y axis shows the normalized read count.



Supplementary Figure 2. Analysis of single-cell RNA sequencing from 6 CRC tissues. (A) Sequencing depth of single cell data from 6 patients with colorectal cancer. The plots show the total number of expressed genes (nFeature_RNA), number of transcripts (nCount_RNA), percentage of mitochondrial transcript expression ratio (percent.mt), and Ribosome transcript expression ratio (percent.Ribo) from CRC and HC samples in unfiltered single cell data. (B) The plots of filtered single cell data show the total number of expressed genes (nFeature_RNA), number of transcripts (nCount_RNA), percentage of mitochondrial transcript expression ratio (percent.mt), and Ribosome transcript expression ratio (percent.Ribo) from CRC and HC samples. (C) PCA plot of single-cell sequencing profiles from 6 samples. (D) The standard deviation of 1–5 PCs calculated using ElbowPlot function.



Supplementary Figure 3. Ligand-receptor interaction atlas within four pathways. (A) CD74-CXCR4 interaction atlas within MIF signaling pathway. (B) LGALS9-CD45 interaction atlas within GALECTIN signaling pathway. (C) NAMPT-INSR interaction atlas within VISFATIN signaling pathway. (D) HLA-A-CD8A interaction atlas within MHC-I signaling pathway.