

Description of Additional Supplementary Files

Supplementary Data 1. Comprehensive list of marker gene expression for distinct cell types. The table includes the detailed results of differential gene expression analysis for each cell type, performed using Seurat's 'FindAllMarkers' function. Genes with an average log2 fold change (avg_log2FC) greater than 0.5 (absolute value) and an adjusted p-value (p_val_adj) less than 0.05 were selected as significant markers for each cell type. P_val, the p-value from the Wilcoxon rank sum test for differential expression; avg_log2FC, the average log2 fold change of gene expression between the cell type of interest and all other cell types; pct.1, the percentage of cells in the target cell type expressing the gene; pct.2, the percentage of cells in all other cell types expressing the gene; p_val_adj, the adjusted p-value for multiple testing, corrected using the Bonferroni method.