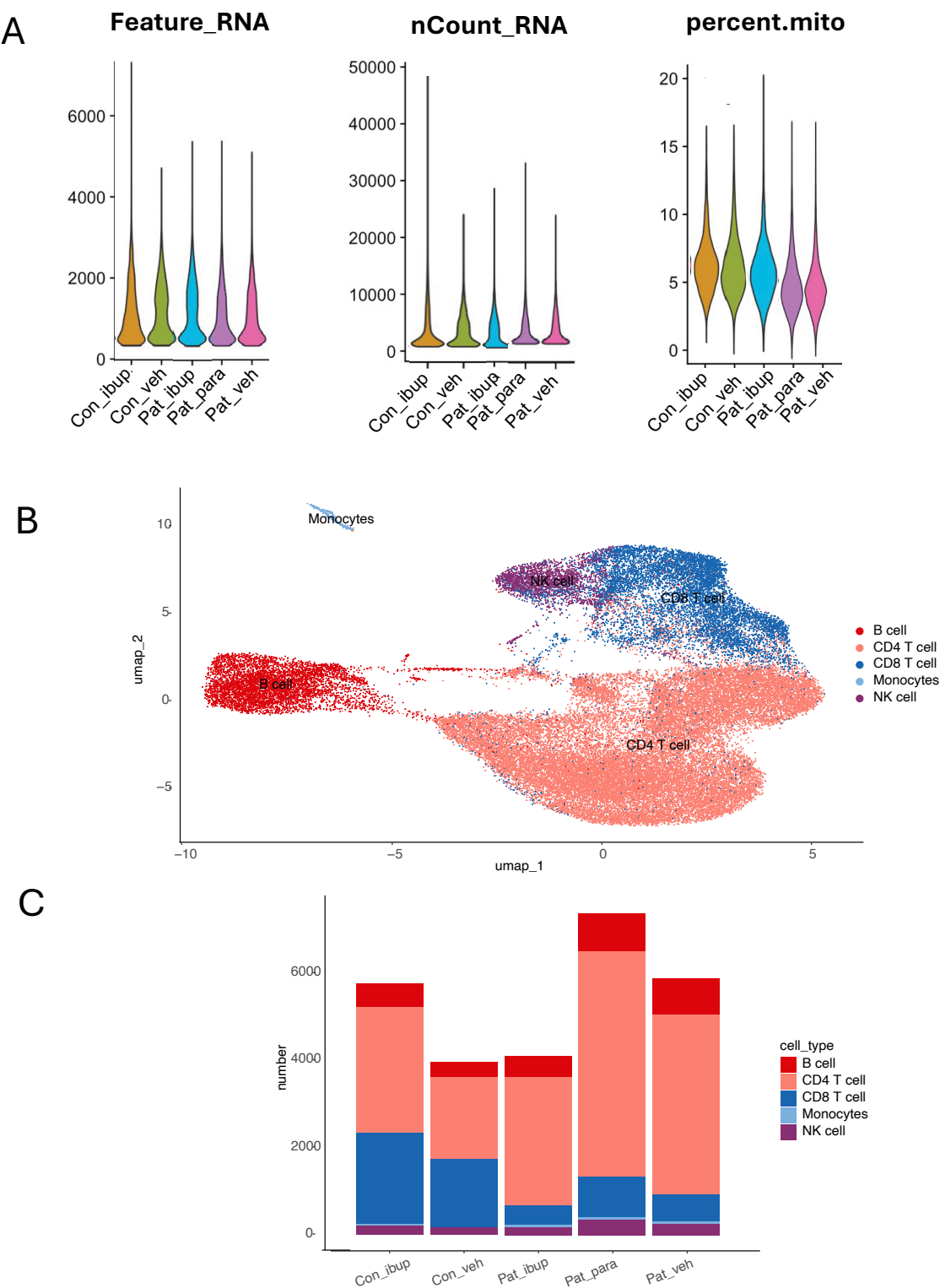
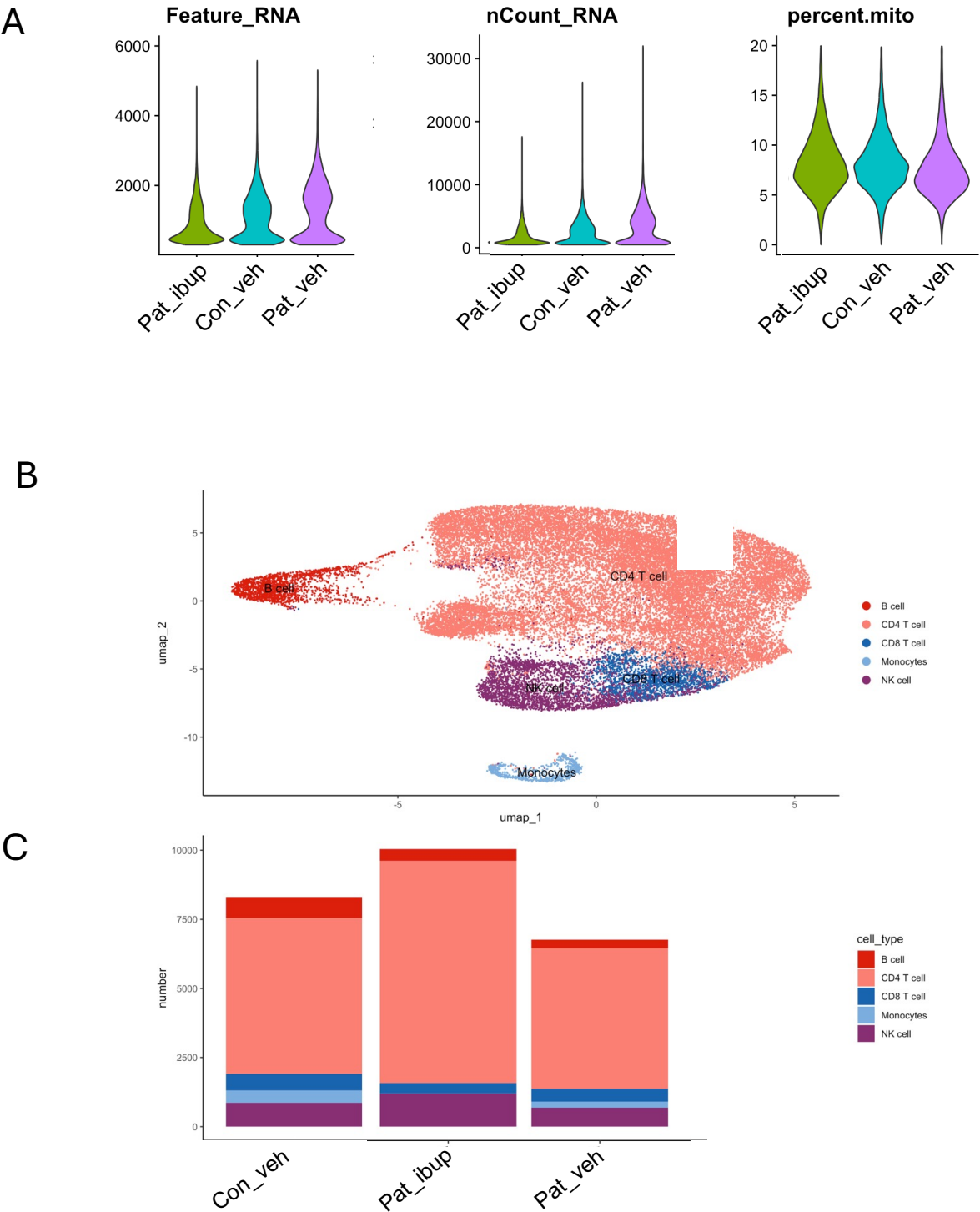


Supplementary Figure 1: Case 1 scRNAseq, UMAP



- A) Quality control metrics of scRNA-seq including nFeature, nCount, and percent mitochondrial genes expression
- B) Uniform Manifold Approximation and Projection (UMAP) visualization showing five cell types: B cells, CD4 T cells, CD8 T cells, monocytes, and NK cells
- C) Distribution of cell numbers across samples.

Supplementary Figure 2: Case 2 scRNAseq, UMAP



A) Quality control metrics of scRNA-seq including nFeature, nCount, and percent mitochondrial genes expression

B) Uniform Manifold Approximation and Projection (UMAP) visualization showing five cell types: B cells, CD4 T cells, CD8 T cells, monocytes, and NK cells

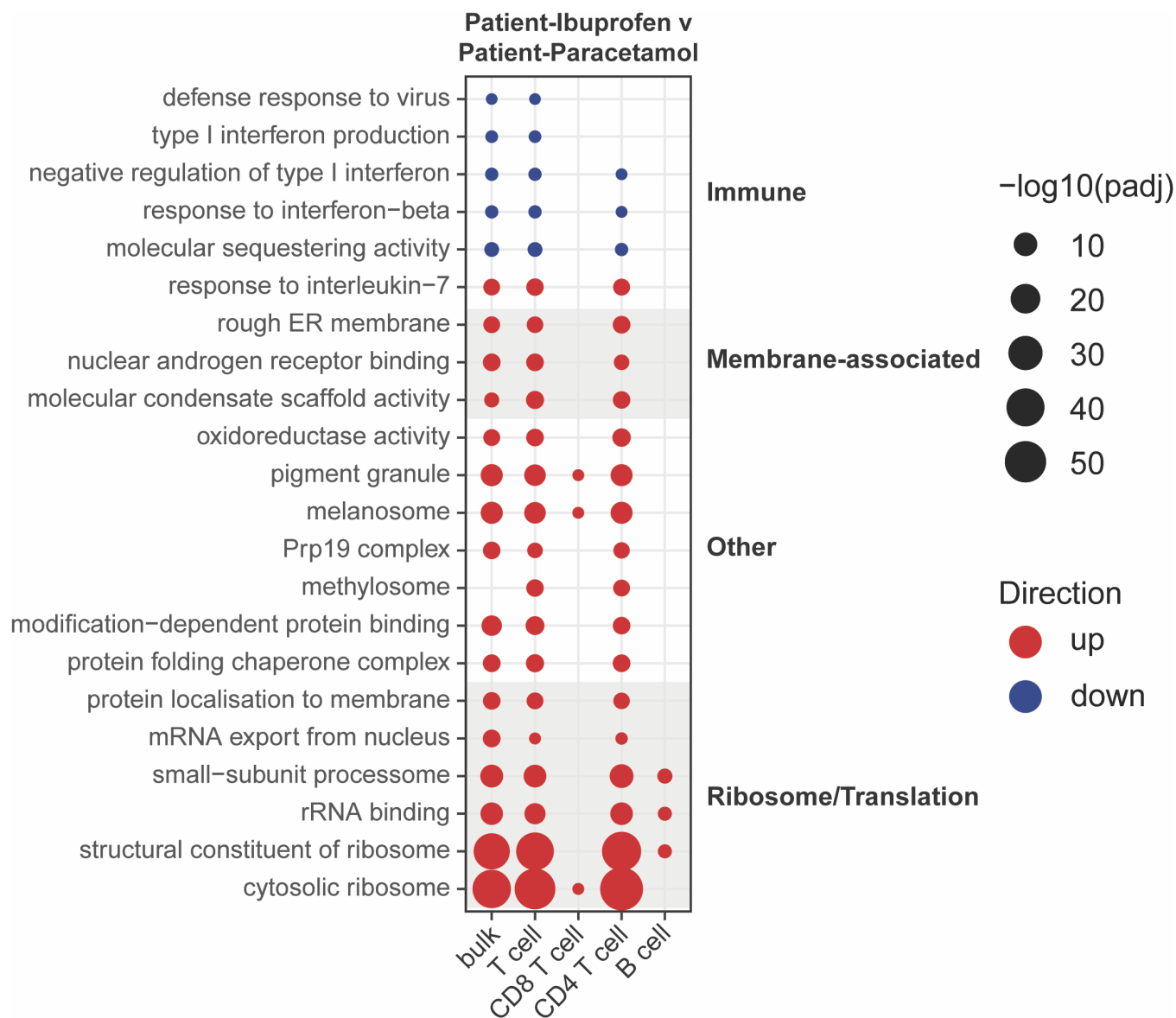
C) Distribution of cell numbers across samples.

Supplementary Figure 3: Patient-paracetamol versus patient-media dotplot



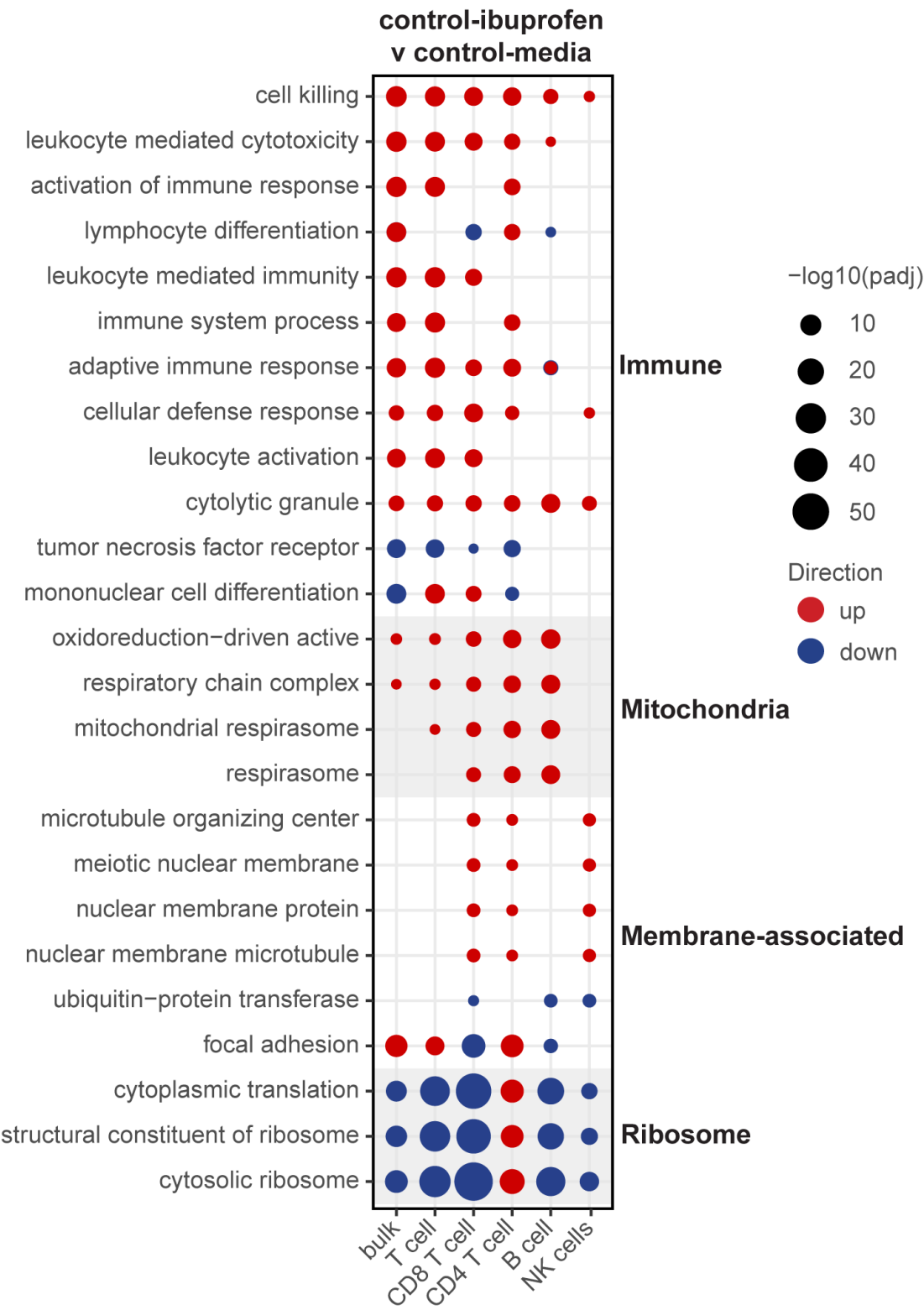
Top 5 upregulated (red) and downregulated (blue) pathways in bulk PBMCs, CD8 T cells, CD4 T cells, and B cells. Dot size represents $-\log_{10}$ FDR.

Supplementary Figure 4: Patient-ibuprofen versus patient-paracetamol dotplot



Top 5 upregulated (red) and downregulated (blue) pathways in bulk PBMCs, CD8 T cells, CD4 T cells, and B cells. Dot size represents $-\log_{10}$ FDR.

Supplementary Figure 5: Control-ibuprofen versus control-media dotplot



Top 5 upregulated (red) and downregulated (blue) pathways in bulk PBMCs, CD8 T cells, CD4 T cells, and B cells. Dot size represents $-\log_{10}$ FDR.