

Figure S1. Gross findings of Sample 1 (adrenal gland from SIMC-Uro #12142 who underwent surgery for renal cell carcinoma)

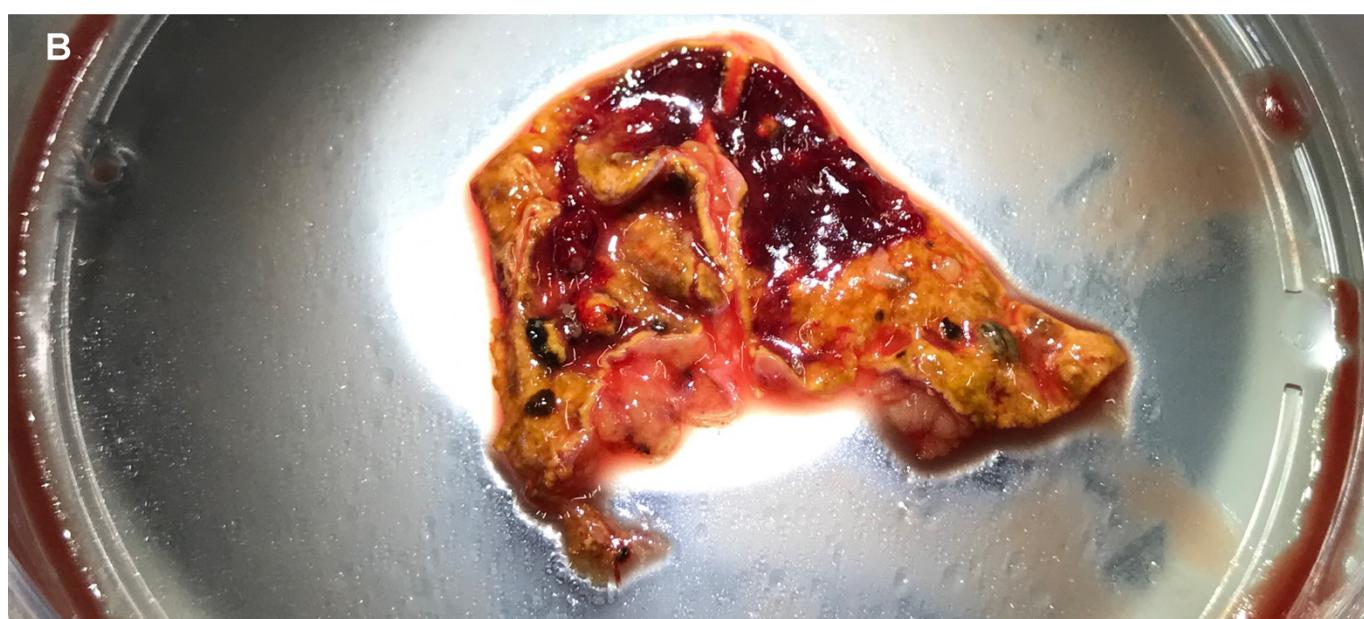
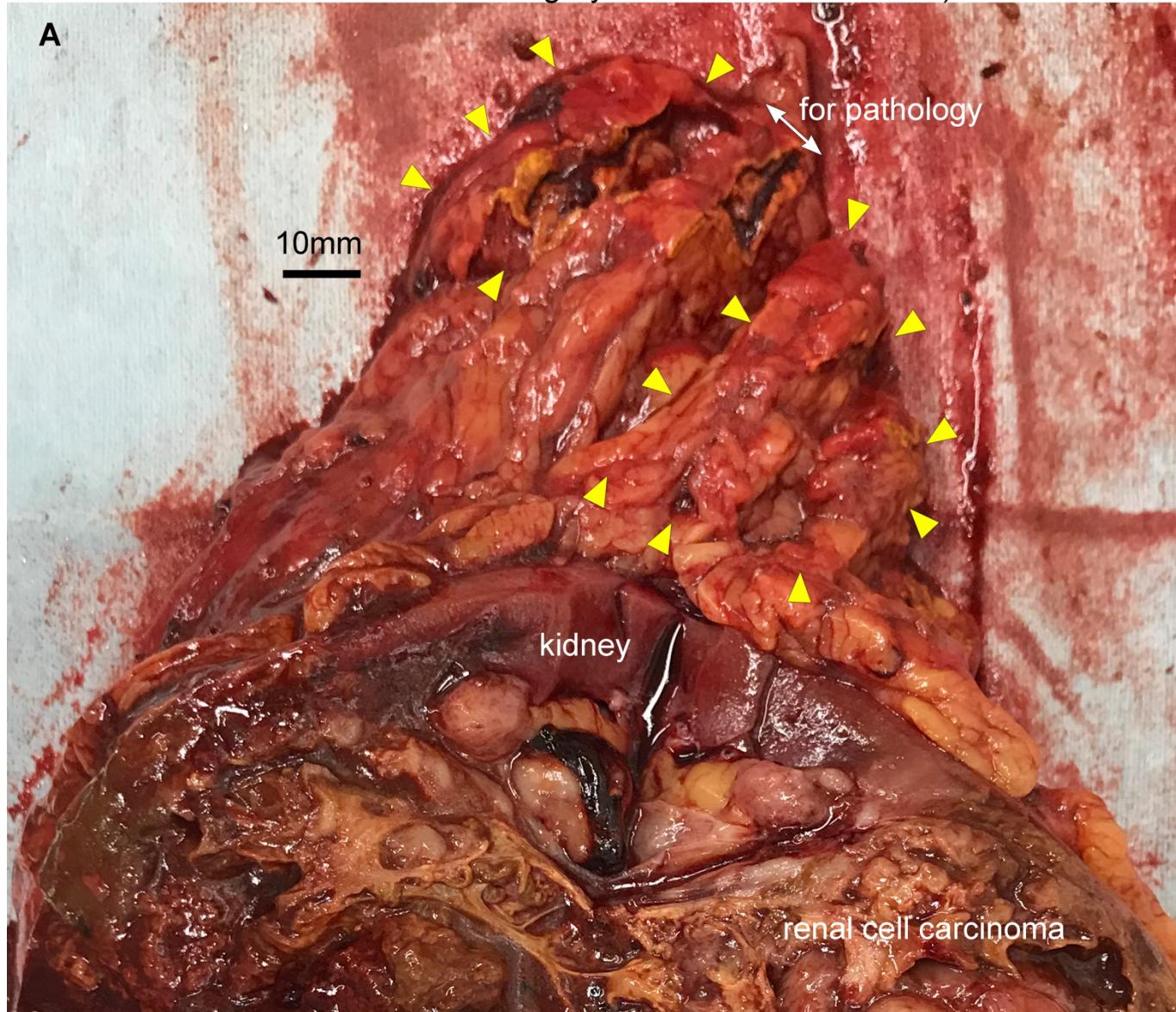
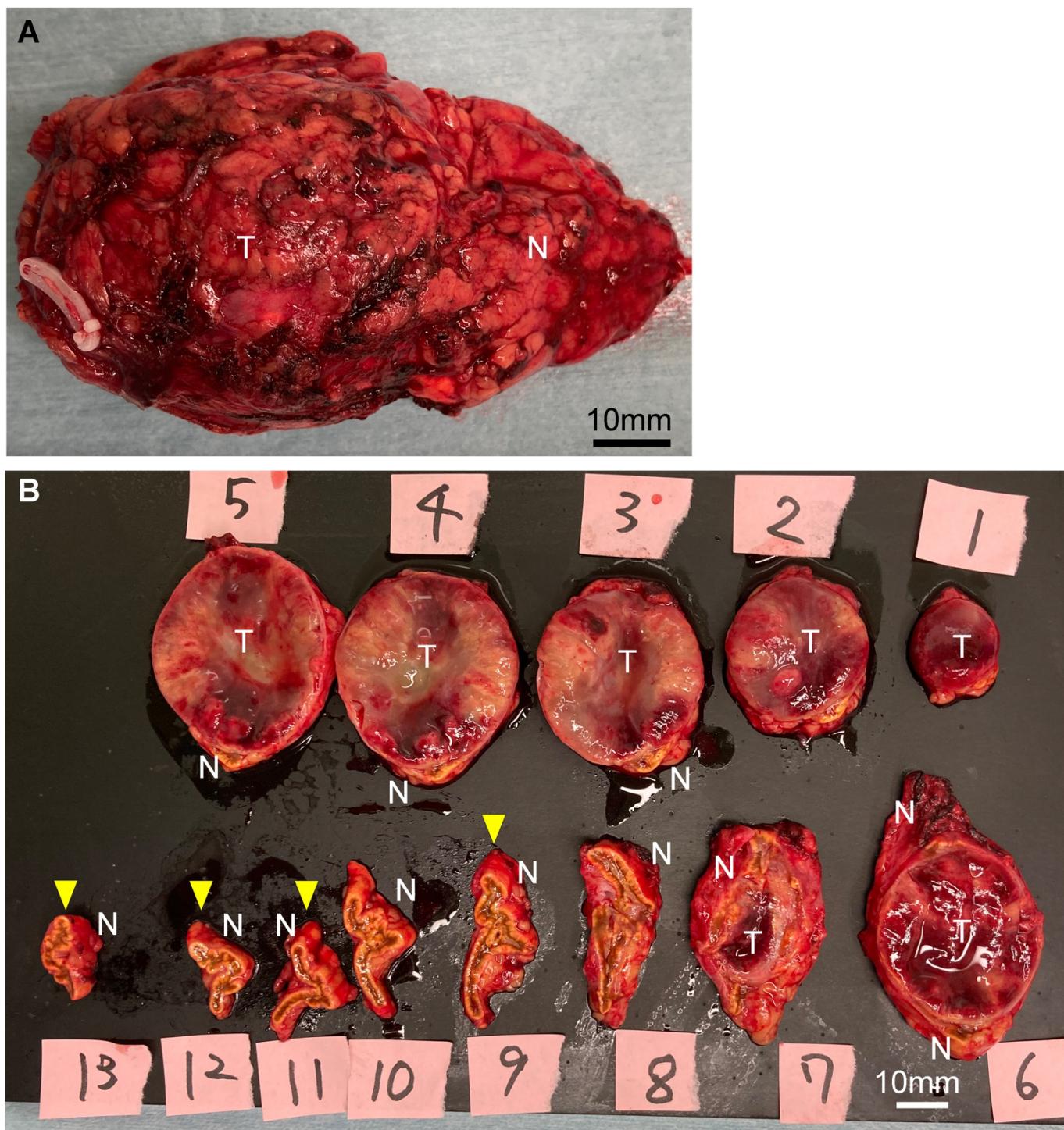


Figure S2. Gross findings of Sample 2 (adrenal gland from SIMC-Uro #12936 who underwent surgery for pheochromocytoma).



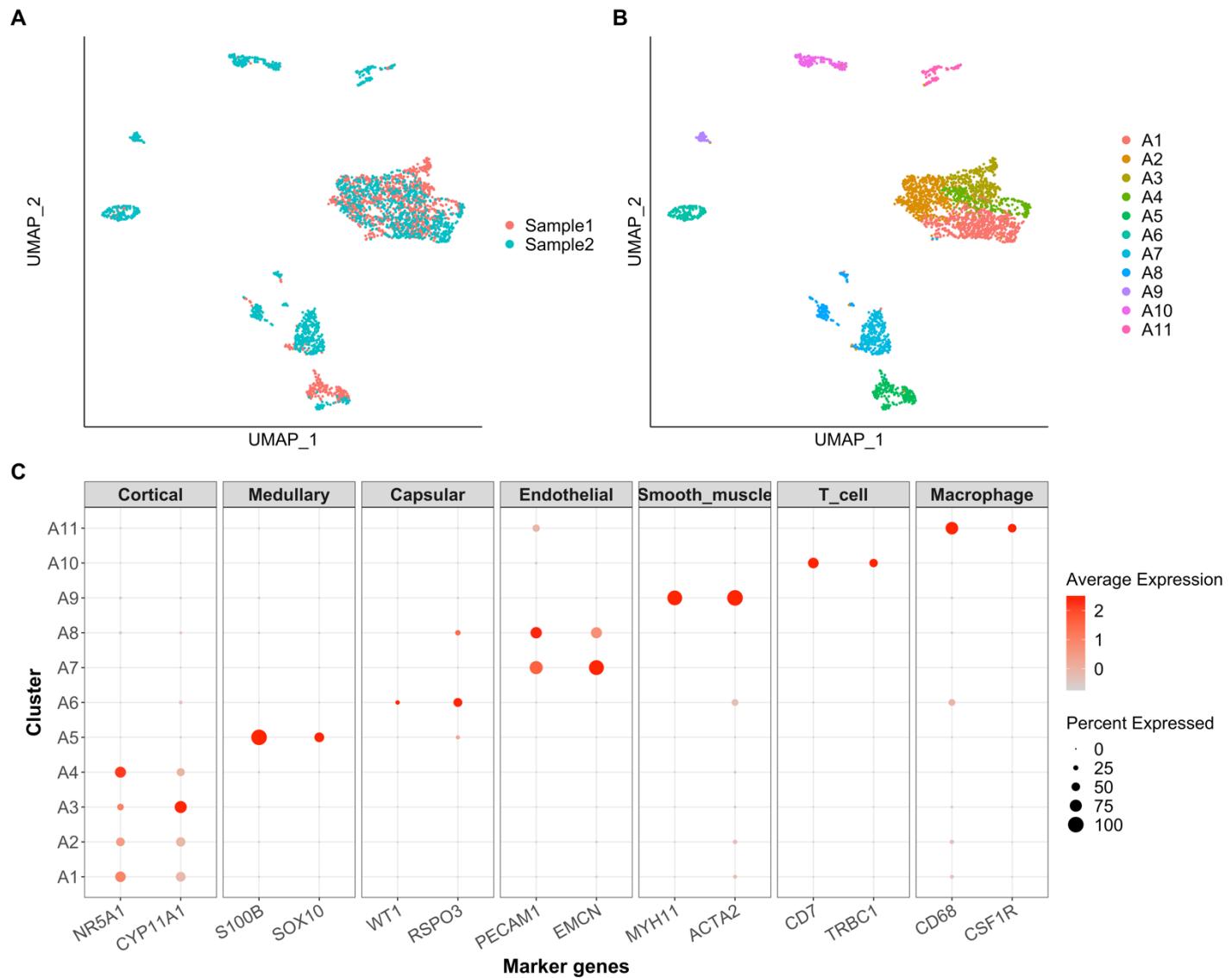
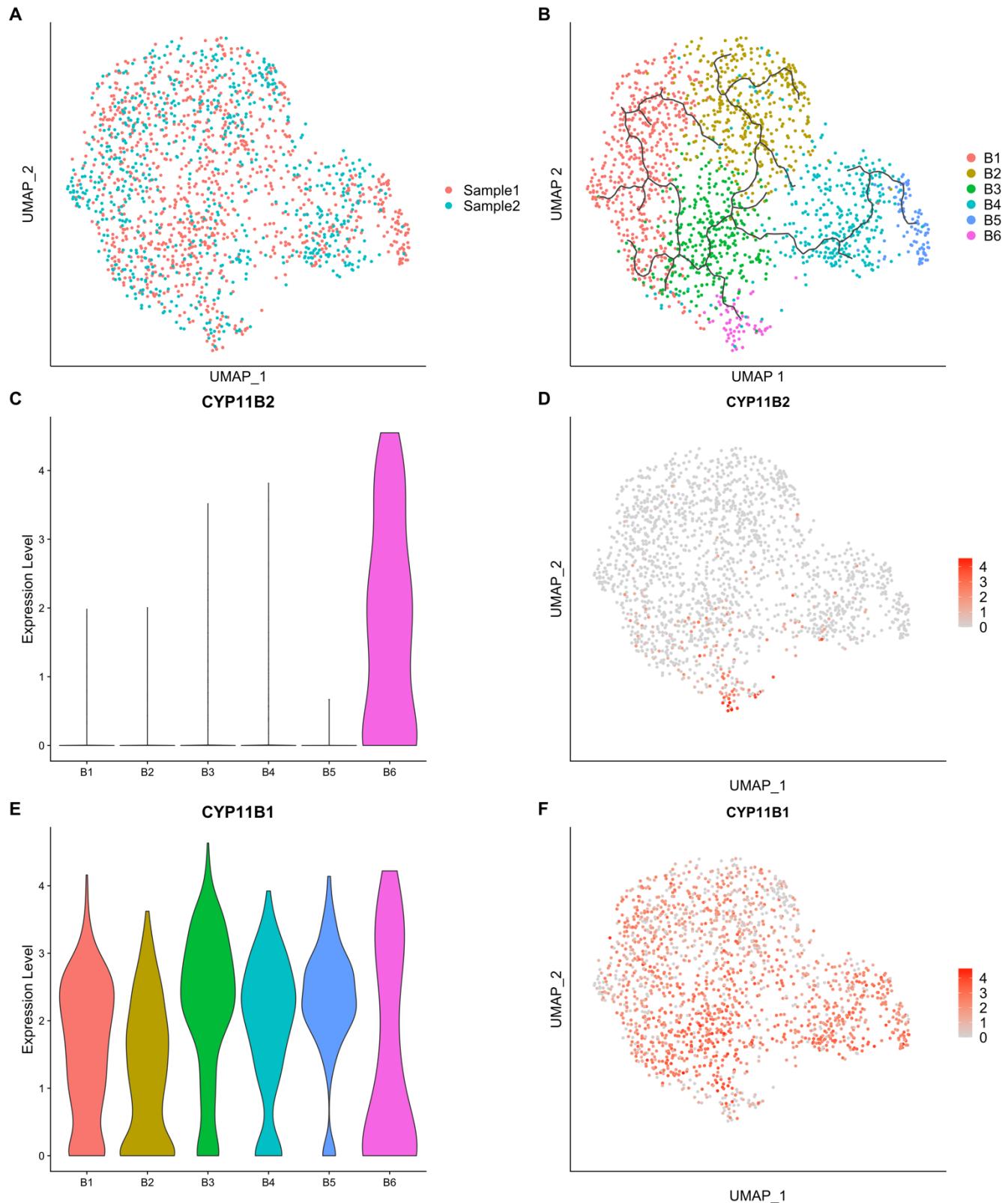


Figure S3. Clustering of adrenal cells.

(A) Distribution of two samples on adrenal cells shown in the UMAP plot. Dots: single cells. Colors: samples.

(B) UMAP plot showing the identified clusters of adrenal cells. Dots: single cells. Colors: identified clusters.

(C) Dot plot showing the expression of marker genes for each cluster of adrenal cells. Dot color: the average expression level across all cells within the cluster. Dot size: the percentage of cells within the cell population expressing the gene.



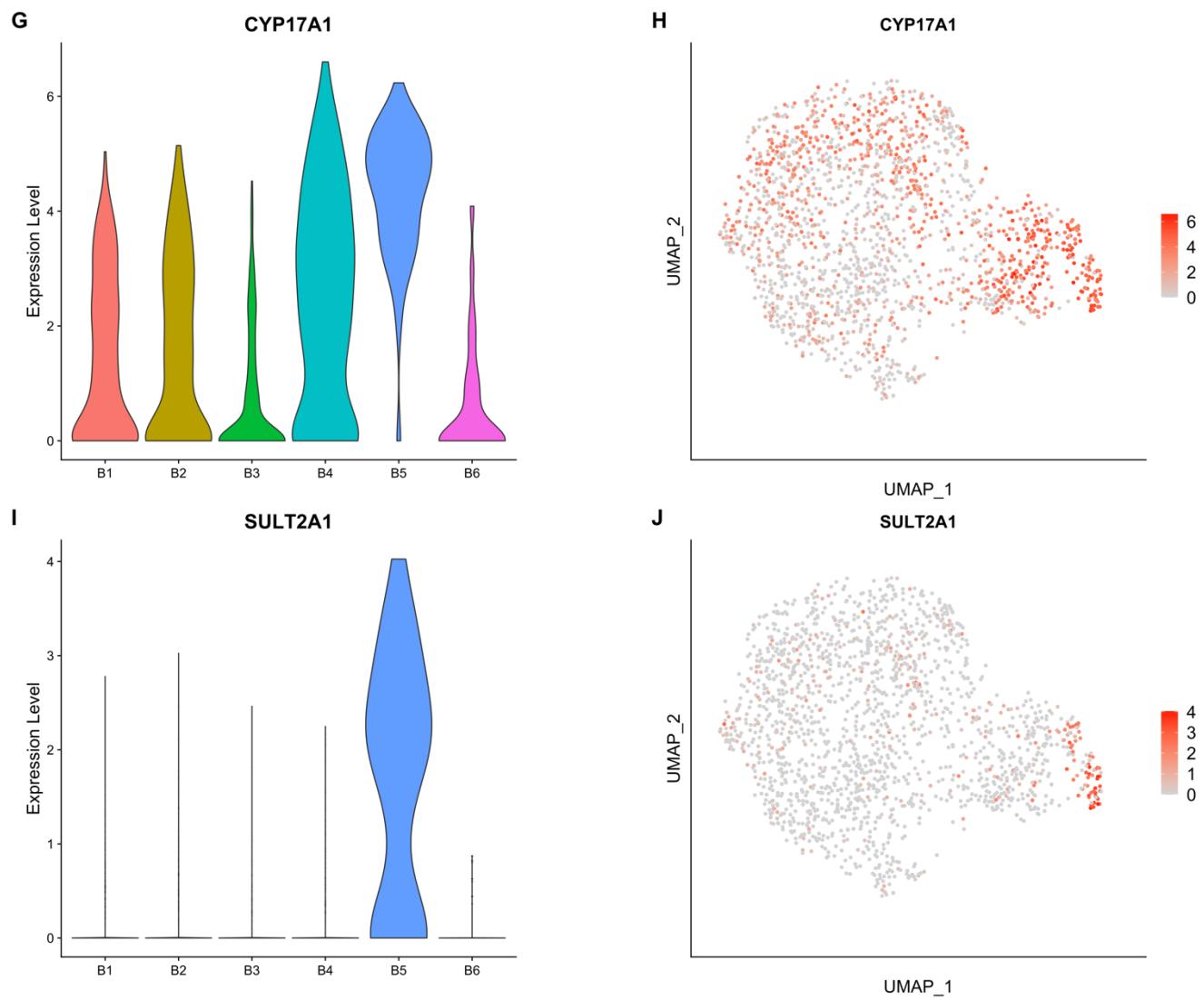


Figure S4. Clustering of adrenocortical cells.

- (A) Distribution of two samples on adrenocortical cells shown in the UMAP plot. Dots: single cells. Colors: samples.
- (B) The result of trajectory analysis of adrenocortical cells projected onto UMAP plot. Dots: single cells. Dot colors: clusters. Blackline: predicted trajectory.
- (C) Violine plot showing the expression level of *CYP11B2* for each cluster of adrenocortical cells.
- (D) Scatterplots showing the expression level of *CYP11B2* projected onto the UMAP plot. Dots: single cells. Dot color: gene expression level.
- (E) Violine plot showing the expression level of *CYP11B1* for each cluster of adrenocortical cells.

(F) Scatterplots showing the expression level of *CYP11B1* projected onto the UMAP plot. Dots: single cells. Dot color: gene expression level.

(G) Violine plot showing the expression level of *CYP17A1* for each cluster of adrenocortical cells.

(H) Scatterplots showing the expression level of *CYP17A1* projected onto the UMAP plot. Dots: single cells. Dot color: gene expression level.

(I) Violine plot showing the expression level of *SULT2A1* for each cluster of adrenocortical cells.

(J) Scatterplots showing the expression level of *SULT2A1* projected onto the UMAP plot. Dots: single cells. Dot color: gene expression level.