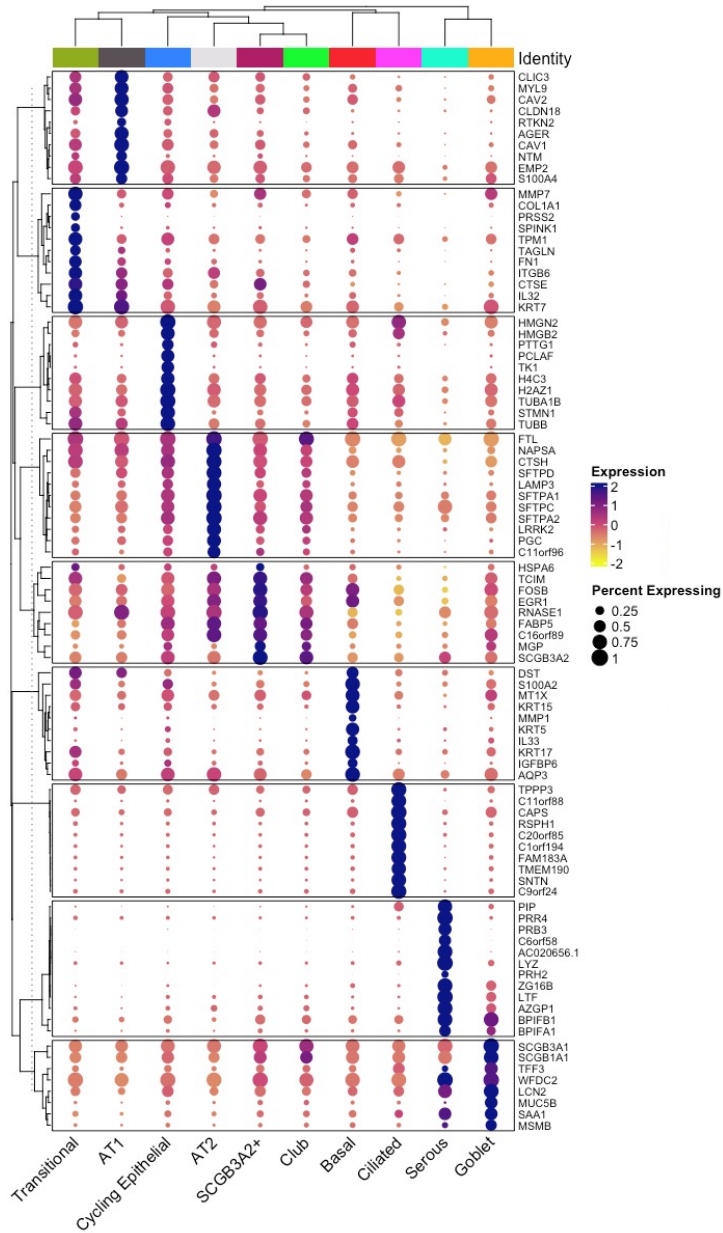
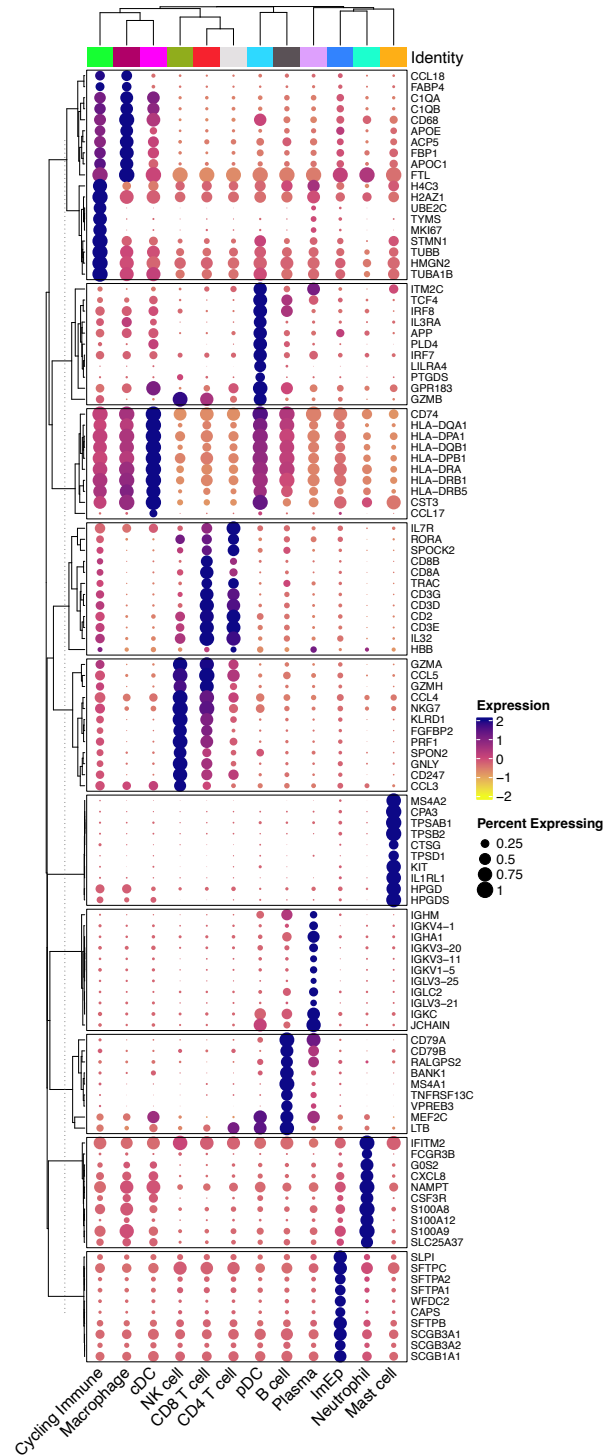
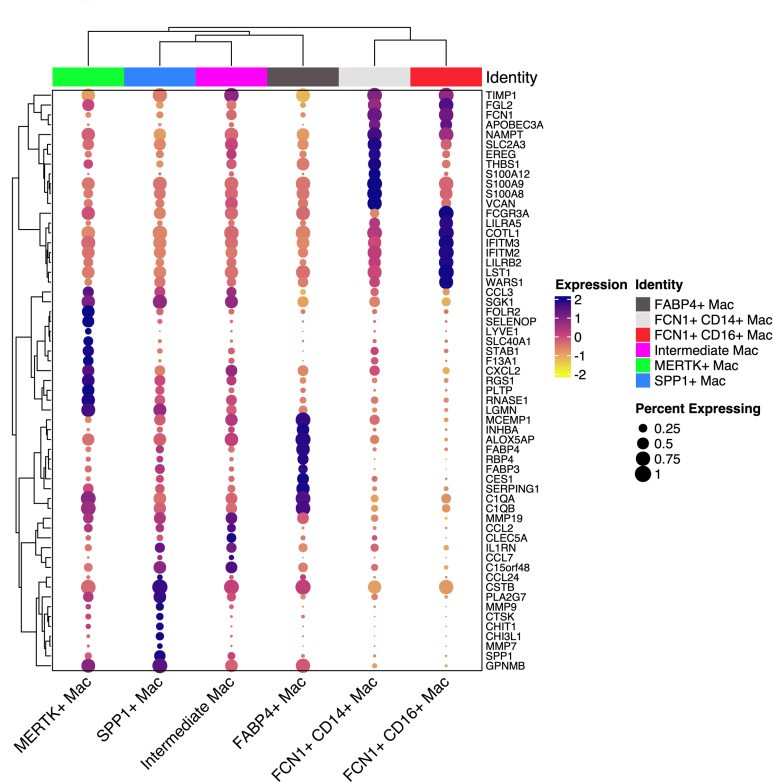
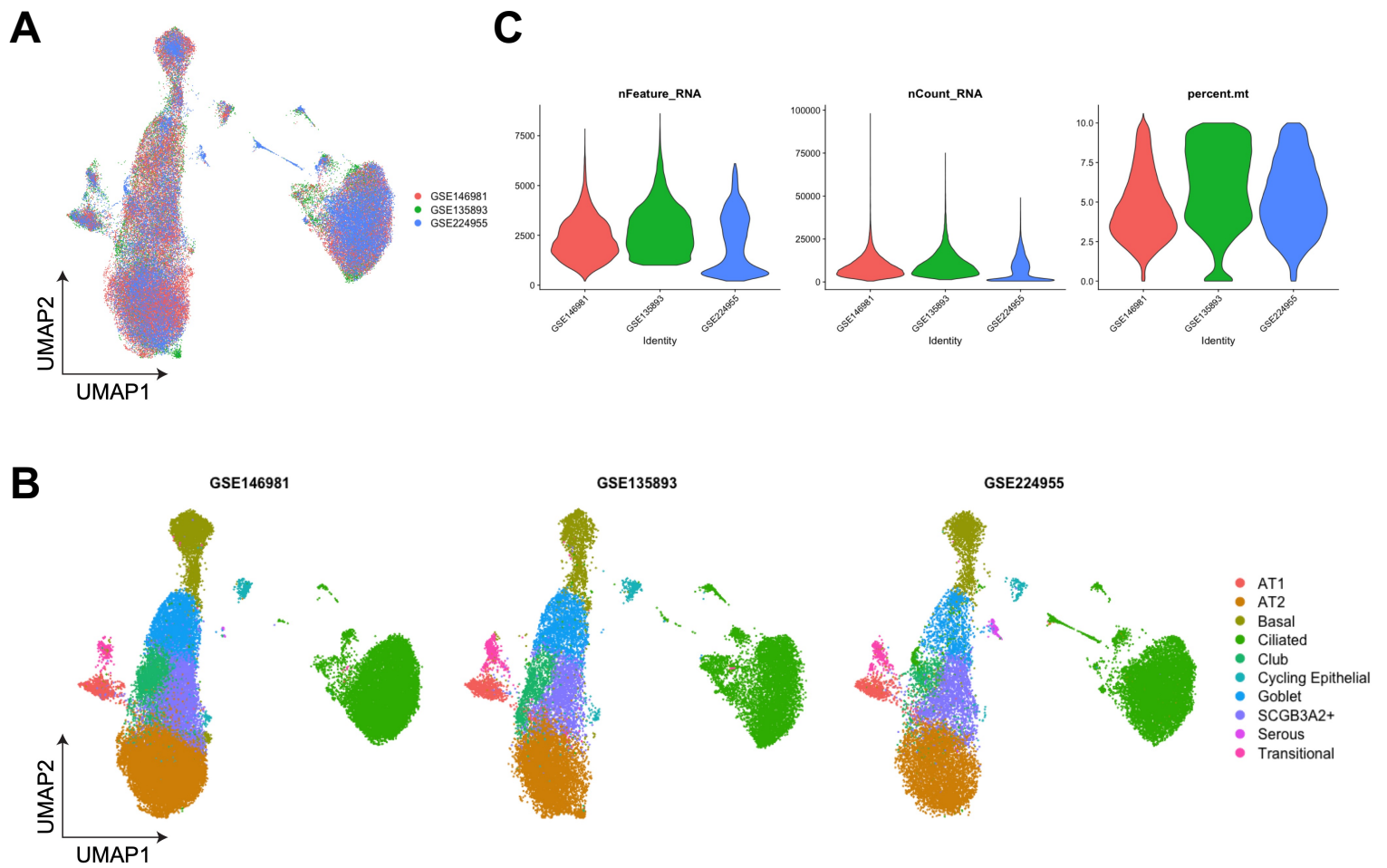


A**B****C**

Supplemental Figure 1. Dot plots of the top 10 genes within each unbiased cluster. A) epithelial cells, B) immune cells, and C) macrophage populations.



Supplemental Figure 2. Comparison among data sources.

A – B). UMAP projection of epithelial cells from the three different data sources (GSE146981 , GSE135893, GSE224955). GSE146981 and GSE224955 (PASC) were generated by our group using the same isolation and sequencing method. **C)** The number of genes per cell (left panel), counts per cells detected (middle panel), and percentage of mitochondrial genes per cell (right panel) of the three different data sources.