



Figure S2. t-SNE plots of representative cell clusters.

A, t-SNE plots of epithelial and stromal cells. EPCAM, DCN, PECAM and GNAT were used to highlight the epithelial cells, smooth muscle cells, endothelial cells and Tuft cells, respectively. **B**, t-SNE plots of various immune cells. CD4, CD8, FOXP3 and IL7R were used to highlight the CD4⁺ T cell, CD8⁺ T cell, FOXP3⁺ regulatory T cell and memory T cells. CD83 and Lymphotoxin beta (LTB) were used to highlight the CD83⁺ activated B cell and LTB⁺ B cell. CD68, CD163, CD11b and CCR2 were used to define CD68⁺CD163⁺CD11b^{low} resident macrophage and CD68⁺CD163^{low}CD11b⁺CCR2⁺ inflammatory macrophage.