

Description of Additional Supplementary Files

Supplementary Data 1

The differentially expressed genes across cell clusters in the integrated cell map. Relevant to Figure 1 and Supplementary Figure 1.

Supplementary Data 2

The differentially expressed genes across cell subtypes of ductal cells. Relevant to Figure 2 and Supplementary Figure 2.

Supplementary Data 3

The pathways enriched in cell states of ductal cells by GSEA analyses. Relevant to Supplementary Figure 5.

Supplementary Data 4

The differentially expressed genes across cell subtypes of stromal cells (including fibroblasts, endothelial cells, endocrine cells and acinar cells). Relevant to Supplementary Figure 7.

Supplementary Data 5

The differentially expressed genes across cell subtypes of myeloid cells. Relevant to Figure 5 and Supplementary Figure 10.

Supplementary Data 6

The pathways enriched in cell subtypes of myeloid cells by GSEA analyses. Relevant to Supplementary Figure 10.

Supplementary Data 7

The differentially expressed genes across cell subtypes of lymphoid cells. Relevant to Figure 6.