

Supplementary Table S1.

The canonical marker genes used for annotating major cell types.

B cells	T cells	Epithelial cells	Plasma cells	Fibroblasts	Myeloid cells	Endothelial cells	Mast cells
CD79A[1]	CD2[1]	EPCAM[2]	JCHAIN[3]	ACTA2[1]	CD14[2]	VWF[1]	KIT[4]
CD79B[4]	CD3E[1]	TFF1[5]	DERL3[6]	COL1A1[2]	CD163[2]	ENG[1]	CPA3[1]
MS4A1[1]	CD3D[1]	KRT8[2]	MZB1[6]	DCN[3]	CD68[2]	PECAM1[3]	TPSB2[4]
				PDGFRB[4]			

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