

A

Cell ID
cells

B

main_...

C

annotate...

D

scRNA-seq gene expr...
HLA-DRA, CD74, IGH...

E

scRNA-seq gene expre...
IFI27, TXN, CALML3, P...

50000 cells

Spleen

Lung

Esophagus

natural killer cell

follicular B cell

B cell

unannotated

unannotated

epithelium of
esophagus

HLA-DPB1 HLA-DP
IGHM HLA-DQB1
CD74 RPL18A
HLA-DRA HLA-DRB1 RPS

CALML3 LGALS7B
TXN IGFBP2 TSP
IFI27 PTN DAPL1