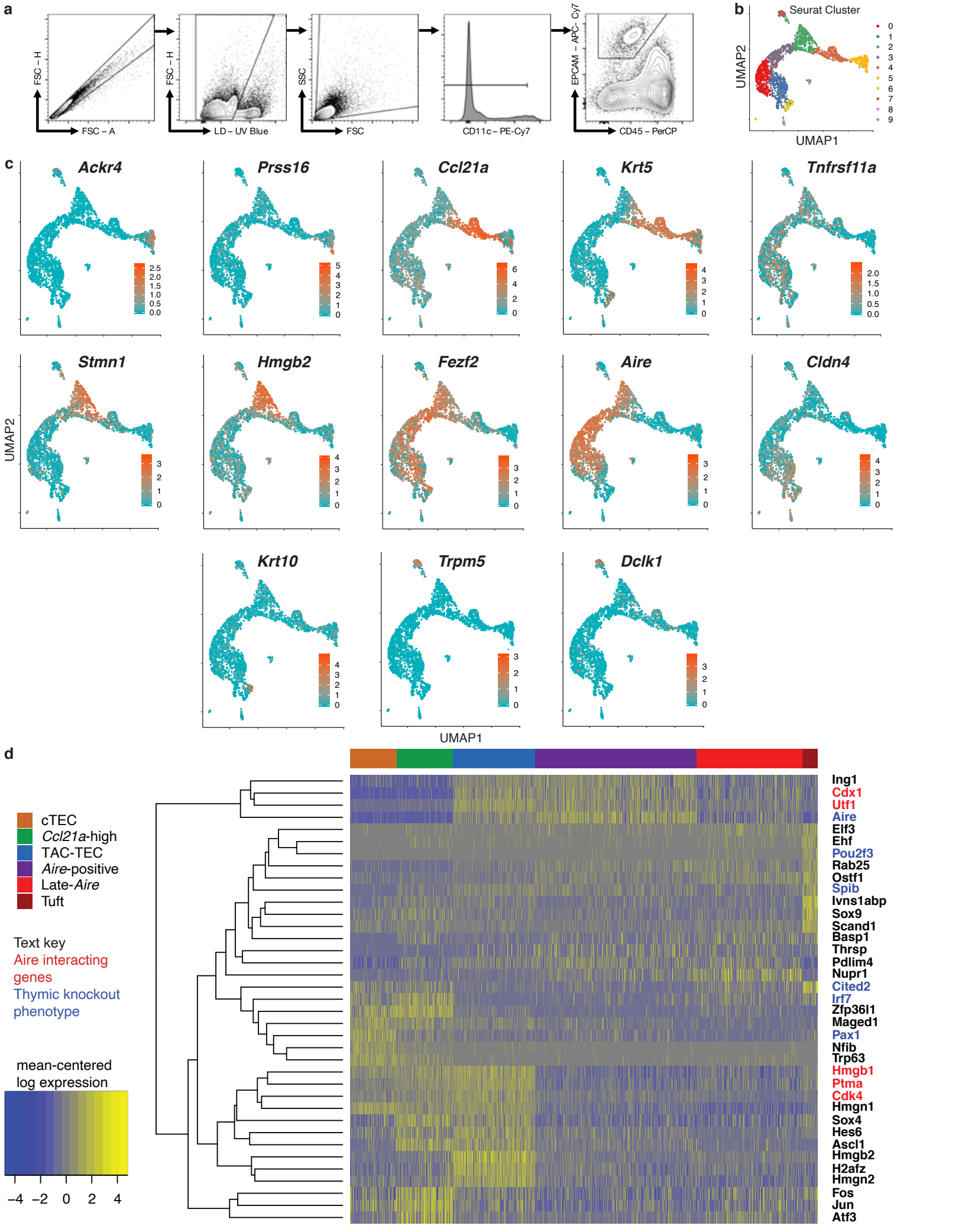
a
FSC – H
FSC – A
FSC – H
LD – UV Blue
SSC
FSC
CD11c – PE-Cy7
EPCAM – APC- Cy7
CD45 – PerCP
b
Seurat Cluster
UMAP2
UMAP1
c
Ackr4
Prss16
Ccl21a
Krt5
Tnfrsf11a
Stmn1
Hmgb2
Fezf2
Aire
Cldn4
Krt10
Trpm5
Dclk1
UMAP2
UMAP1
d
cTEC
Ccl21a-high
TAC-TEC
Aire-positive
Late-Aire
Tuft
Text key
Aire interacting genes
Thymic knockout phenotype
mean-centered log expression
−4 −2 0 2 4
Ing1
Cdx1
Utf1
Aire
Elf3
Ehf
Pou2f3
Rab25
Ostf1
Spib
Ivns1abp
Sox9
Scand1
Basp1
Thrsp
Pdlim4
Nupr1
Cited2
Irf7
Zfp36l1
Maged1
Pax1
Nfib
Trp63
Hmgb1
Ptma
Cdk4
Hmgn1
Sox4
Hes6
Ascl1
Hmgb2
H2afz
Hmgn2
Fos
Jun
Atf3