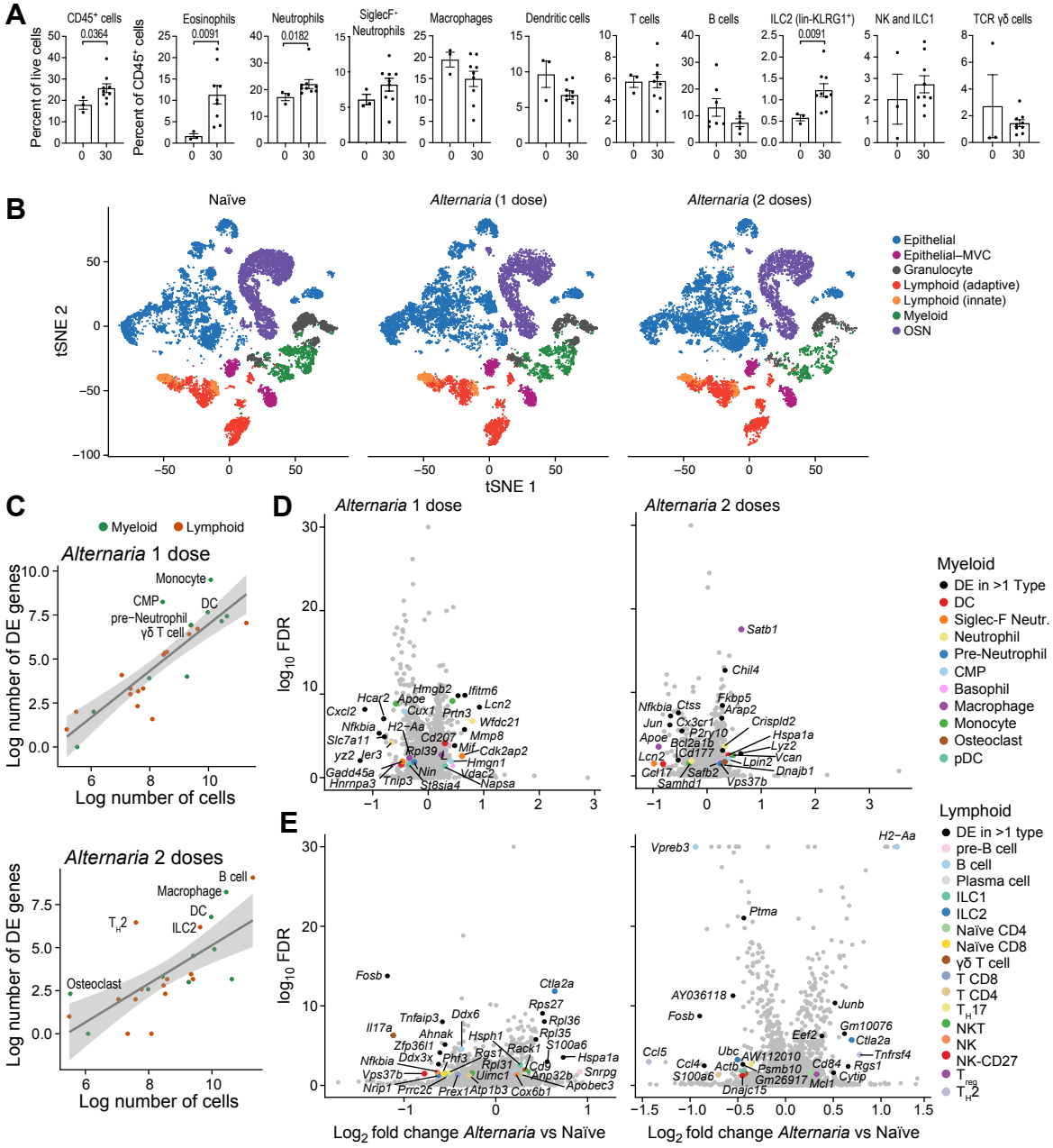
A
CD45+ cells
Eosinophils
Neutrophils
SiglecF+ Neutrophils
Macrophages
Dendritic cells
T cells
B cells
ILC2 (lin-KLRG1+)
NK and ILC1
TCR γδ cells
Percent of live cells
Percent of CD45+ cells
0.0364
0.0091
0.0182
0.0091
B
Naïve
Alternaria (1 dose)
Alternaria (2 doses)
tSNE 2
tSNE 1
Epithelial
Epithelial–MVC
Granulocyte
Lymphoid (adaptive)
Lymphoid (innate)
Myeloid
OSN
C
Myeloid
Lymphoid
Alternaria 1 dose
Monocyte
CMP
DC
pre−Neutrophil
γδ T cell
Log number of DE genes
Log number of cells
Alternaria 2 doses
B cell
Macrophage
DC
ILC2
TH2
Osteoclast
D
Alternaria 1 dose
Alternaria 2 doses
log10 FDR
Satb1
Chil4
Hmgb2
Ifitm6
Hcar2
Apoe
Lcn2
Cxcl2
Cux1
Prtn3
Wfdc21
Nfkbia
H2−Aa
Slc7a11
Cd207
Mmp8
Mif
Cdk2ap2
yz2
Ier3
Rpl39
Hmgn1
Gadd45a
Nin
Vdac2
Hnrnpa3
Tnip3
St8sia4
Napsa
Nfkbia
Ctss
Fkbp5
Arap2
Jun
Cx3cr1
Crispld2
Apoe
P2ry10
Hspa1a
Bcl2a1b
Lyz2
Lcn2
Cd177
Vcan
Lpin2
Ccl17
Safb2
Dnajb1
Samhd1
Vps37b
Myeloid
DE in >1 Type
DC
Siglec-F Neutr.
Neutrophil
Pre-Neutrophil
CMP
Basophil
Macrophage
Monocyte
Osteoclast
pDC
E
Vpreb3
H2−Aa
Ptma
Fosb
Ctla2a
Rps27
Rpl36
Tnfaip3
Ddx6
Il17a
Ahnak
Hsph1
Rpl35
Zfp36l1
Rack1
S100a6
Ddx3x
Phf3
Rgs1
Hspa1a
Nfkbia
Rpl31
Cd9
Snrpg
Vps37b
Uimc1
Anp32b
Apobec3
Nrip1
Prrc2c
Prex1
Atp1b3
Cox6b1
AY036118
Junb
Fosb
Gm10076
Eef2
Ctla2a
Ccl5
Ubc
AW112010
Tnfrsf4
Ccl4
Actb
Cd84
Rgs1
S100a6
Psmb10
Cytip
Gm26917
Mcl1
Dnajc15
Lymphoid
DE in >1 type
pre-B cell
B cell
Plasma cell
ILC1
ILC2
Naïve CD4
Naïve CD8
γδ T cell
T CD8
T CD4
TH17
NKT
NK
NK-CD27
Treg
TH2
Log2 fold change Alternaria vs Naïve
Log2 fold change Alternaria vs Naïve