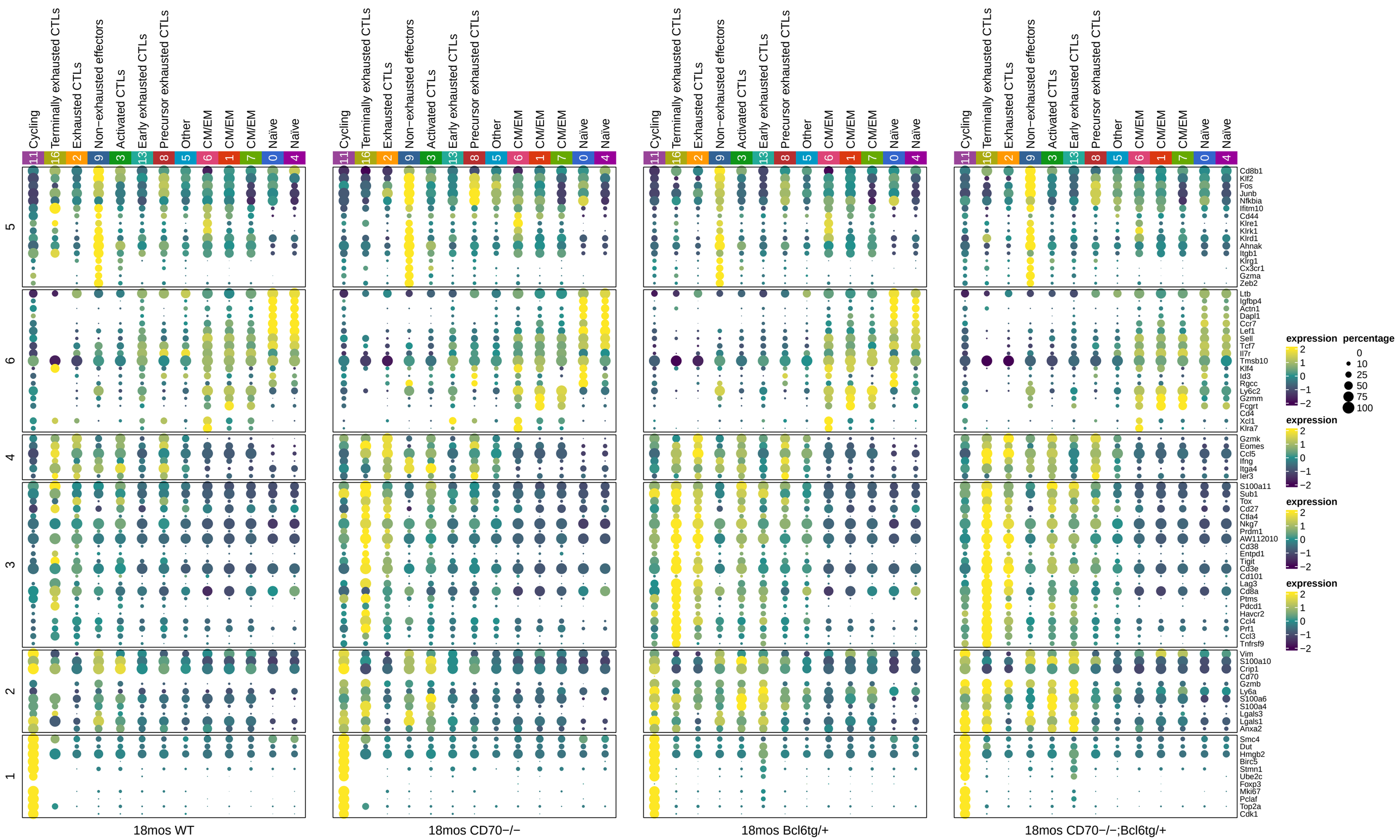
11 Cycling
16 Terminally exhausted CTLs
2 Exhausted CTLs
9 Non−exhausted effectors
3 Activated CTLs
13 Early exhausted CTLs
8 Precursor exhausted CTLs
5 Other
6 CM/EM
1 CM/EM
7 CM/EM
0 Naïve
4 Naïve
5
6
4
3
2
1
Cd8b1
Klf2
Fos
Junb
Nfkbia
Ifitm10
Cd44
Klre1
Klrk1
Klrd1
Ahnak
Itgb1
Klrg1
Cx3cr1
Gzma
Zeb2
Ltb
Igfbp4
Actn1
Dapl1
Ccr7
Lef1
Sell
Tcf7
Il7r
Tmsb10
Klf4
Id3
Rgcc
Ly6c2
Gzmm
Fcgrt
Cd4
Xcl1
Klra7
Gzmk
Eomes
Ccl5
Ifng
Itga4
Ier3
S100a11
Sub1
Tox
Cd27
Ctla4
Nkg7
Prdm1
AW112010
Cd38
Entpd1
Tigit
Cd3e
Cd101
Lag3
Cd8a
Ptms
Pdcd1
Havcr2
Ccl4
Prf1
Ccl3
Tnfrsf9
Vim
S100a10
Crip1
Cd70
Gzmb
Ly6a
S100a6
S100a4
Lgals3
Lgals1
Anxa2
Smc4
Dut
Hmgb2
Birc5
Stmn1
Ube2c
Foxp3
Mki67
Pclaf
Top2a
Cdk1
expression
2
1
0
−1
−2
percentage
0
10
25
50
75
100
18mos WT
18mos CD70−/−
18mos Bcl6tg/+
18mos CD70−/−;Bcl6tg/+