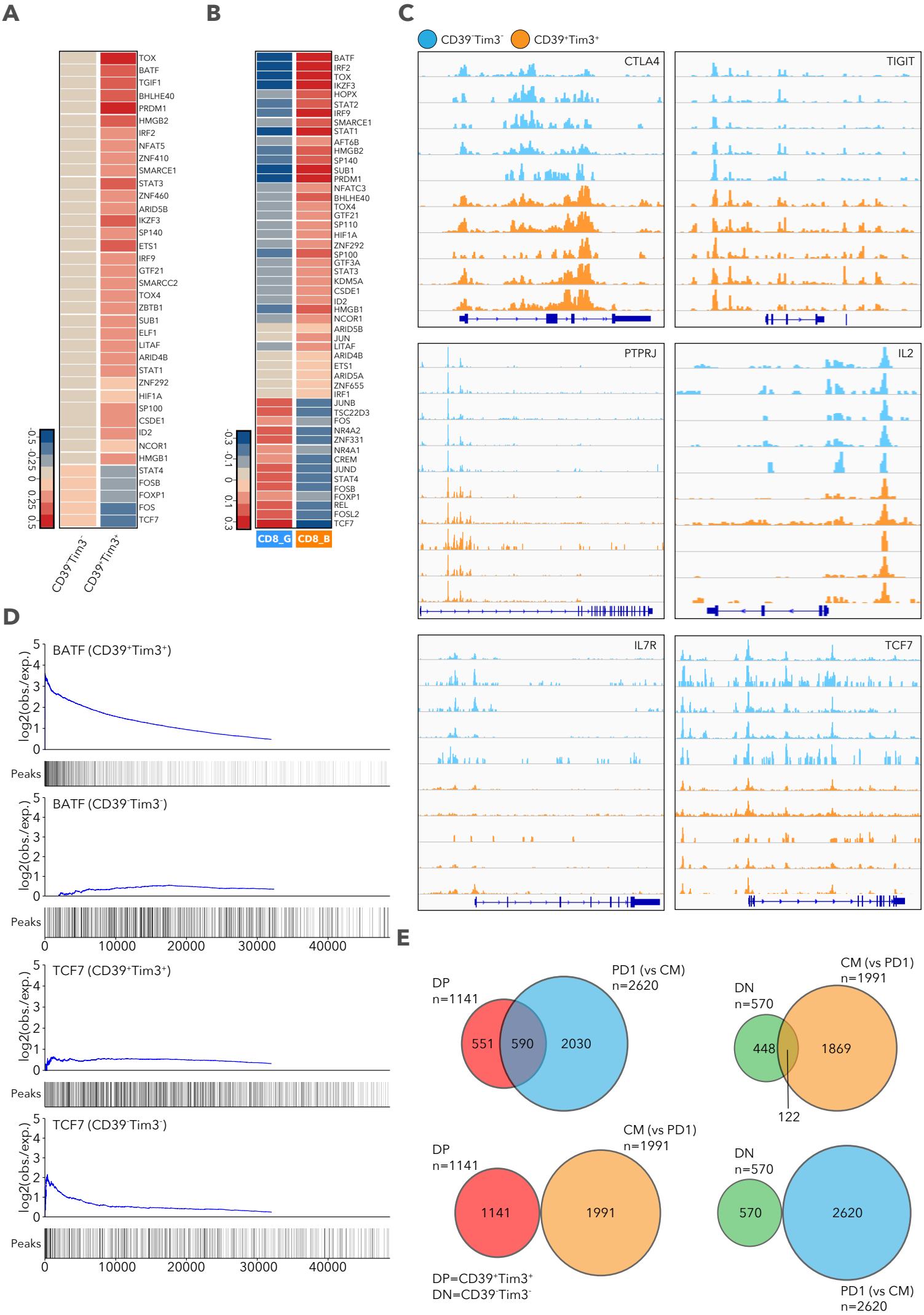
A
TOX
BATF
TGIF1
BHLHE40
PRDM1
HMGB2
IRF2
NFAT5
ZNF410
SMARCE1
STAT3
ZNF460
ARID5B
IKZF3
SP140
ETS1
IRF9
GTF21
SMARCC2
TOX4
ZBTB1
SUB1
ELF1
LITAF
ARID4B
STAT1
ZNF292
HIF1A
SP100
CSDE1
ID2
NCOR1
HMGB1
STAT4
FOSB
FOXP1
FOS
TCF7
-0.5 -0.25 0 0.25 0.5
CD39⁻Tim3⁻
CD39⁺Tim3⁺
B
BATF
IRF2
TOX
IKZF3
HOPX
STAT2
IRF9
SMARCE1
STAT1
AFT6B
HMGB2
SP140
SUB1
PRDM1
NFATC3
BHLHE40
TOX4
GTF21
SP110
HIF1A
ZNF292
SP100
GTF3A
STAT3
KDM5A
CSDE1
ID2
HMGB1
NCOR1
ARID5B
JUN
LITAF
ARID4B
ETS1
ARID5A
ZNF655
IRF1
JUNB
TSC22D3
FOS
NR4A2
ZNF331
NR4A1
CREM
JUND
STAT4
FOSB
FOXP1
REL
FOSL2
TCF7
-0.3 -0.1 0 0.1 0.3
CD8_G
CD8_B
C
CD39⁻Tim3⁻
CD39⁺Tim3⁺
CTLA4
TIGIT
PTPRJ
IL2
IL7R
TCF7
D
BATF (CD39⁺Tim3⁺)
BATF (CD39⁻Tim3⁻)
TCF7 (CD39⁺Tim3⁺)
TCF7 (CD39⁻Tim3⁻)
log2(obs./exp.)
Peaks
0
10000
20000
30000
40000
E
DP
n=1141
PD1 (vs CM)
n=2620
551
590
2030
DN
n=570
CM (vs PD1)
n=1991
448
1869
122
DP
n=1141
CM (vs PD1)
n=1991
1141
1991
DN
n=570
570
2620
PD1 (vs CM)
n=2620
DP=CD39⁺Tim3⁺
DN=CD39⁻Tim3⁻