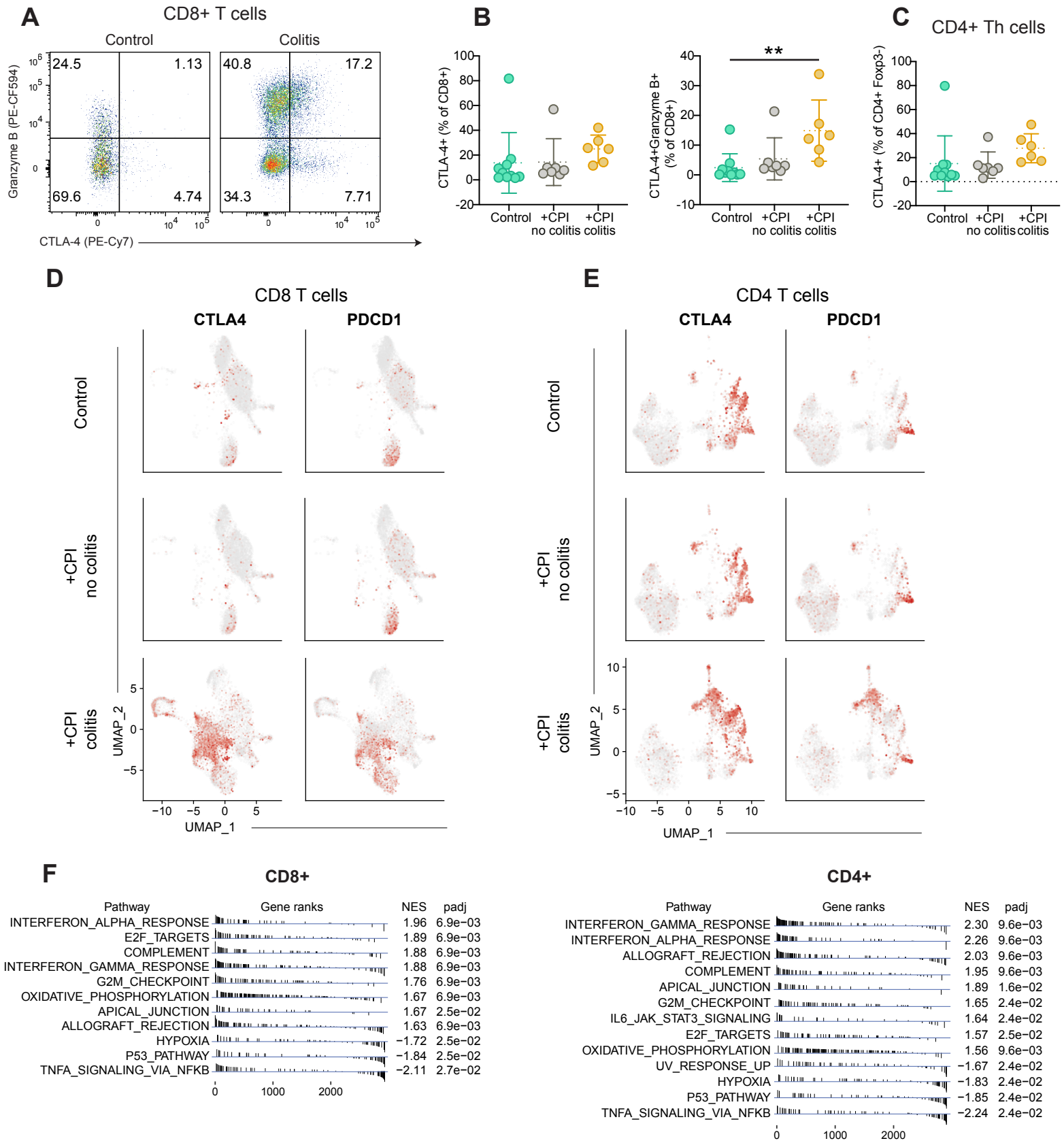
A
CD8+ T cells
Control
Colitis
24.5
1.13
69.6
4.74
40.8
17.2
34.3
7.71
Granzyme B (PE-CF594)
CTLA-4 (PE-Cy7)
B
CTLA-4+ (% of CD8+)
Control
+CPI no colitis
+CPI colitis
CTLA-4+Granzyme B+ (% of CD8+)
**
C
CD4+ Th cells
CTLA-4+ (% of CD4+ Foxp3-)
D
CD8 T cells
CTLA4
PDCD1
Control
+CPI no colitis
+CPI colitis
UMAP_2
UMAP_1
E
CD4 T cells
CTLA4
PDCD1
Control
+CPI no colitis
+CPI colitis
UMAP_2
UMAP_1
F
CD8+
Pathway
Gene ranks
NES
padj
INTERFERON_ALPHA_RESPONSE 1.96 6.9e−03
E2F_TARGETS 1.89 6.9e−03
COMPLEMENT 1.88 6.9e−03
INTERFERON_GAMMA_RESPONSE 1.88 6.9e−03
G2M_CHECKPOINT 1.76 6.9e−03
OXIDATIVE_PHOSPHORYLATION 1.67 6.9e−03
APICAL_JUNCTION 1.67 2.5e−02
ALLOGRAFT_REJECTION 1.63 6.9e−03
HYPOXIA −1.72 2.5e−02
P53_PATHWAY −1.84 2.5e−02
TNFA_SIGNALING_VIA_NFKB −2.11 2.7e−02
CD4+
Pathway
Gene ranks
NES
padj
INTERFERON_GAMMA_RESPONSE 2.30 9.6e−03
INTERFERON_ALPHA_RESPONSE 2.26 9.6e−03
ALLOGRAFT_REJECTION 2.03 9.6e−03
COMPLEMENT 1.95 9.6e−03
APICAL_JUNCTION 1.89 1.6e−02
G2M_CHECKPOINT 1.65 2.4e−02
IL6_JAK_STAT3_SIGNALING 1.64 2.4e−02
E2F_TARGETS 1.57 2.5e−02
OXIDATIVE_PHOSPHORYLATION 1.56 9.6e−03
UV_RESPONSE_UP −1.67 2.4e−02
HYPOXIA −1.83 2.4e−02
P53_PATHWAY −1.85 2.4e−02
TNFA_SIGNALING_VIA_NFKB −2.24 2.4e−02