Figure S5

A
MPO

CreER   *CreER;Il33^f/f*

50 μm

0.0451

%MPO⁺ Area per HPF

CreER   *CreER;Il33^f/f*

B

Granulocyte *CreER* vs *CreER;Il33^f/f*

● NS   ● Log₂ FC   ● p value   ● Log₂ FC & p value

total = 20,889 genes

Il1b

Apoe

Log₂ FC

−Log₁₀(p value)

C

CreER vs. *CreER;Il33^f/f* − Granulocytes

HYPOXIA
TNFA_SIGNALING_VIA_NFKB
ALLOGRAFT_REJECTION
INTERFERON_ALPHA_RESPONSE
INTERFERON_GAMMA_RESPONSE

Normalized Enrichment Score

padj
0.012   0.009   0.006   0.003

D

Tumor | EMT | Ductal | Acinar | Endothelial | Mesothelial | Fibroblast | Pericyte | Macrophage | Monocytic Mac. | Dendritic Cell | Granulocyte | **CD8⁺ T Cell** | NK Cell | CD4⁻ T Cell | ILC2 | Mast Cell | B Cell | Plasma Cell | Proliferating | RBC

Cxcl9
Ccl7
Ccl2
Cxcr3
Ccr1
Ccr2
Ccr3
Ccr5
Ccr10
Ccr4

■ *CreER*
□ *CreER;Il33^f/f*

Expression
4
3
2
1
0

E

CD8/Ki67/CD44

CD8   Ki67   GD44

CreER

CreER;Il33^f/f

25 μm

0.0034

%CD44⁺ of CD8⁺ Area

CreER   *CreER;Il33^f/f*

0.0919

%Ki67⁺ of CD8⁺ T Cells

CreER   *CreER;Il33^f/f*
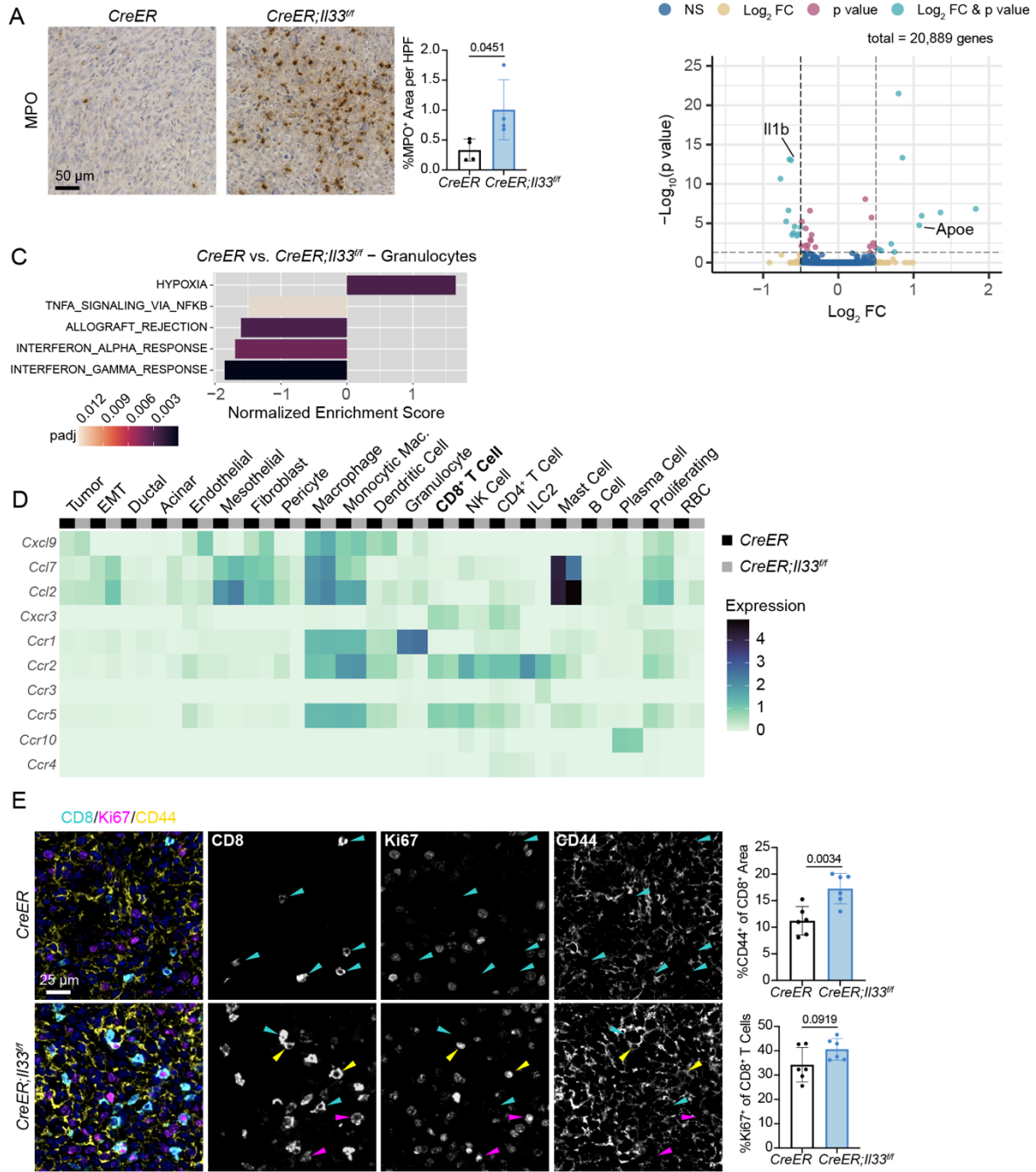
Figure S5: Inactivation of stromal IL-33 enables cytotoxic T cell activity. (A) IHC staining of myeloperoxidase (MPO) in *CreER* and *CreER;Il33$^{f/f}$* tumors. (B) Volcano plot of differentially expressed genes within granulocytes in *CreER* and *CreER;Il33$^{f/f}$* tumors (Bonferroni-corrected p value <0.05 and fold-change $\geq$0.5). (C) Waterfall plot depicting differential pathway enrichment in granulocytes based on the Hallmark collection of annotations. Positive normalized enrichment scores are enriched in the control group. padj = Bonferroni corrected p value. (D) Heatmap depicting expression of CD8$^+$ T cell chemokines and their receptors in *CreER* and *CreER;Il33$^{f/f}$* tumors. CD8$^+$ T cells are highlighted. (E) Co-IF staining of *CreER* and *CreER;Il33$^{f/f}$* tumors; CD8 (cyan), Ki67 (magenta), CD44 (yellow) and DAPI (blue). Cyan arrows indicate representative CD8$^+$ Ki67$^-$ CD44$^-$ cells, magenta arrows indicate CD8$^+$ Ki67$^+$ CD44$^-$ cells, and yellow arrows indicate CD8$^+$ Ki67$^+$ CD44$^+$ cells. For staining quantification, each dot represents one animal, and values were compared using two-tailed Student's *t* test. Histogram data are mean $\pm$standard deviation.