Expanded View Figures

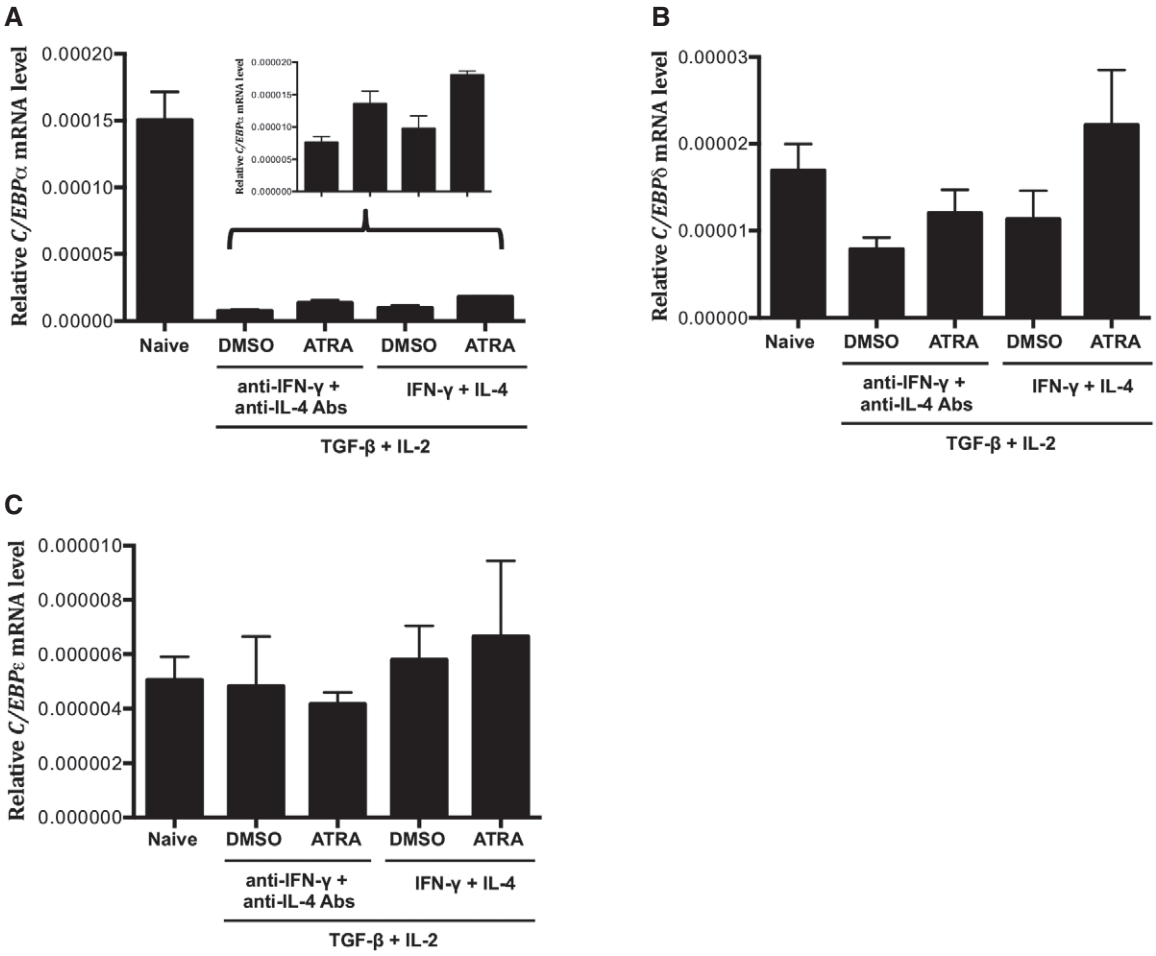


Figure EV1. C/EBPα and C/EBPδ are also upregulated by RA.

A–C Real-time qRT–PCR analysis of (A) C/EBPα, (B) C/EBPδ, (C) C/EBPε mRNA in $CD4^+$ naïve T cells inactivated (naive) or cultured for 24 h under conditions as indicated. Data are representative of two independent experiments with consistent results and normalized with β-actin (mean and s.e.m. of quadruplicates).

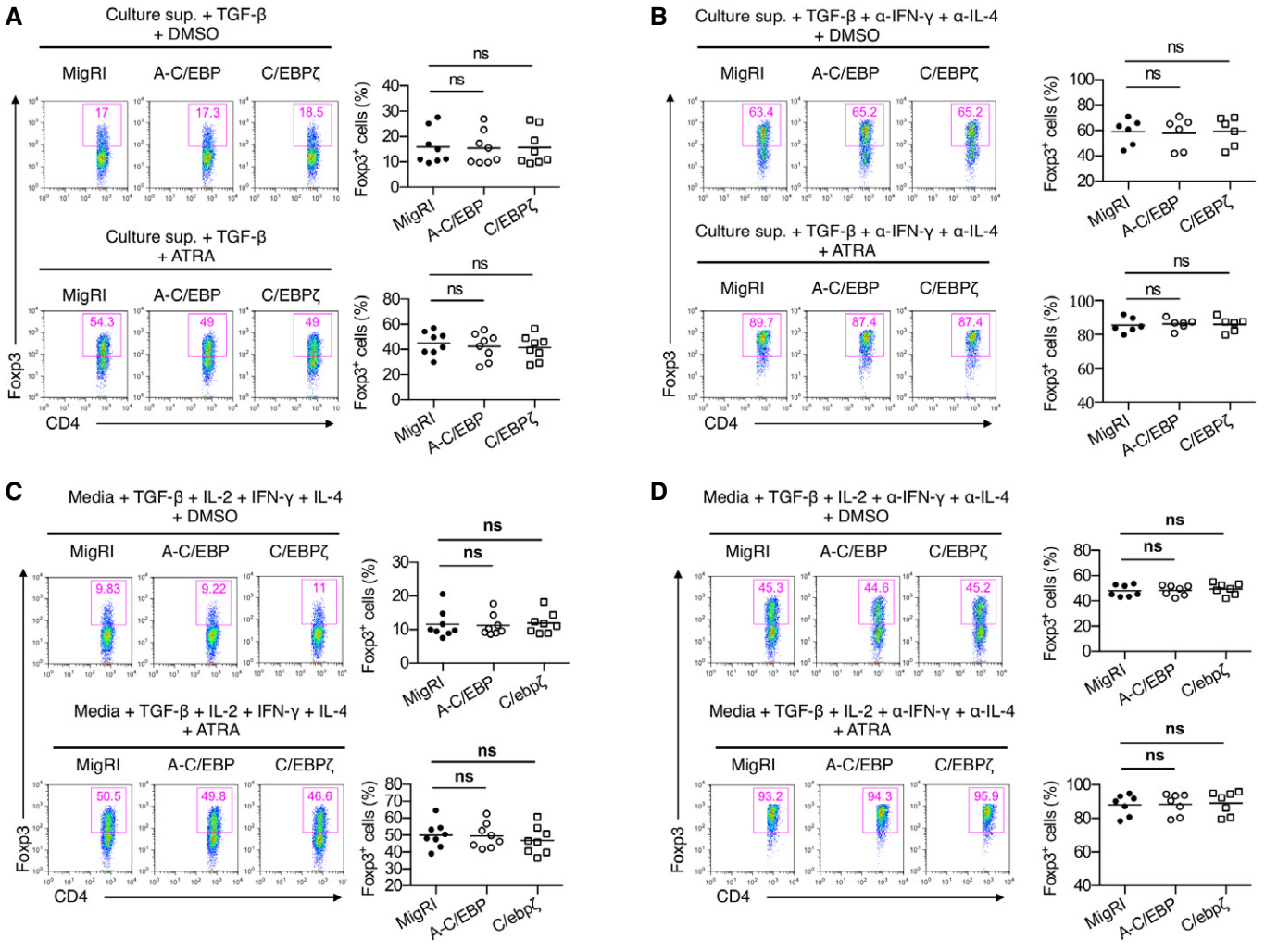


Figure EV2. GFP-negative cell fraction of Fig 1C–F.

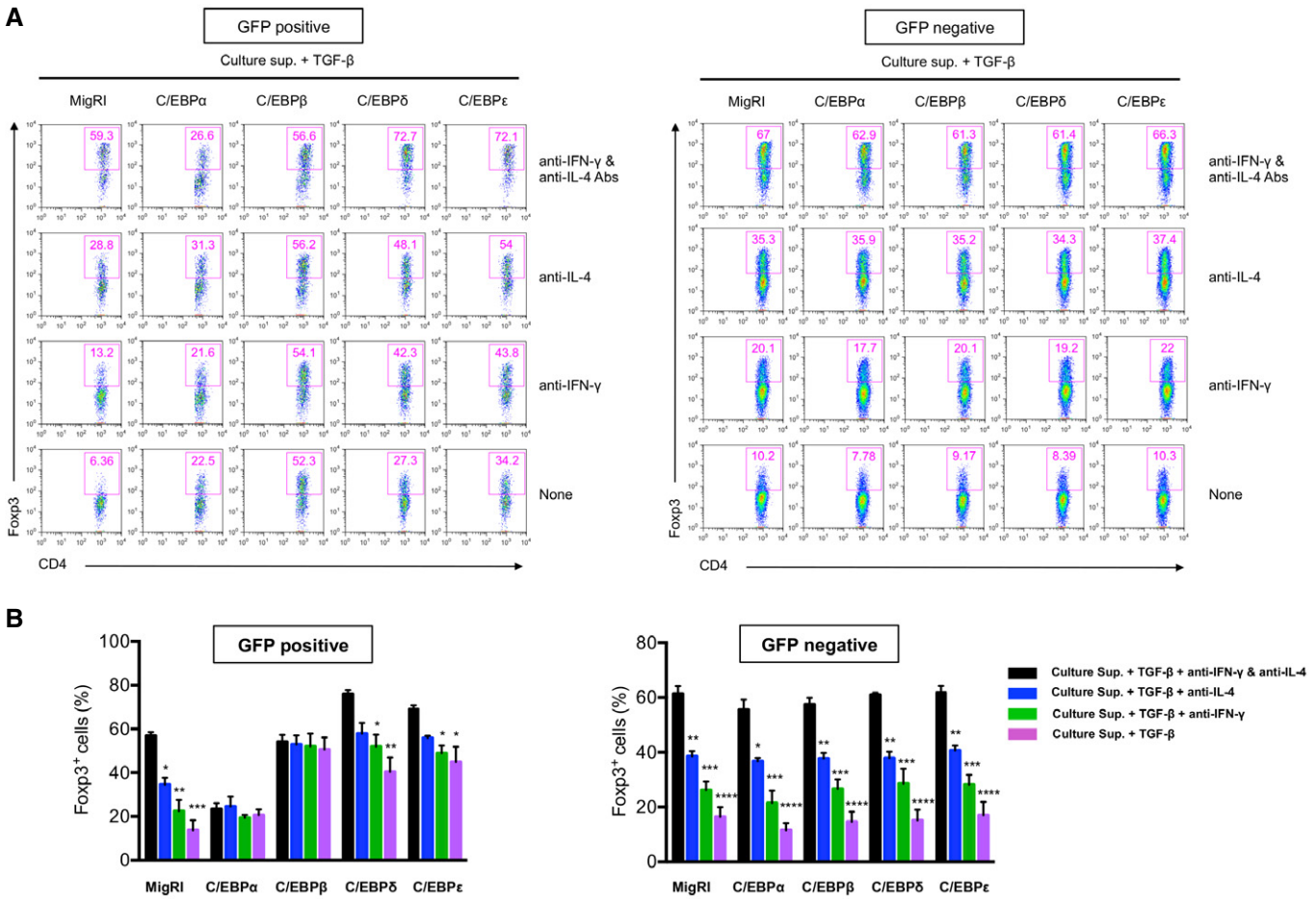


Figure EV3. C/EPBα, δ, and ε also counteract the effect of inhibitory cytokines on Foxp3 induction.

A Flow cytometry of intracellular staining for Foxp3 in $CD4^+$ naïve T cells transduced with control retrovirus (MigRI) or retrovirus encoding C/EBPα, C/EBPβ, C/EBPδ, or C/EBPε and stimulated with anti-CD3 and anti-CD28 for 2 days in the presence of TGF-β and culture supernatant with anti-IFN-γ and anti-IL-4 Abs, anti-IL-4 Ab, anti-IFN-γ Ab, or none. Histograms are gated for GFP^+ (left panel) and GFP^- (right panel) cells. Numbers indicate percent $Foxp3^+$.

B Frequency of $Foxp3^+$ cells from independent three experiments (mean and s.e.m.). Statistical analysis was performed using one-way ANOVA (*$P < 0.05$, **$P < 0.01$, ***$P < 0.001$, ****$P < 0.0001$).

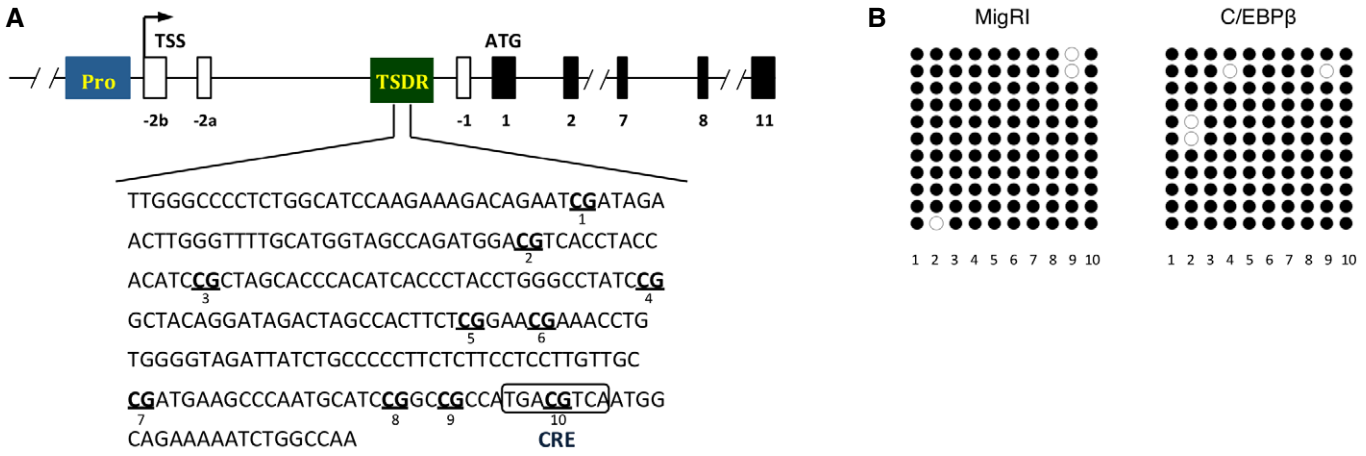
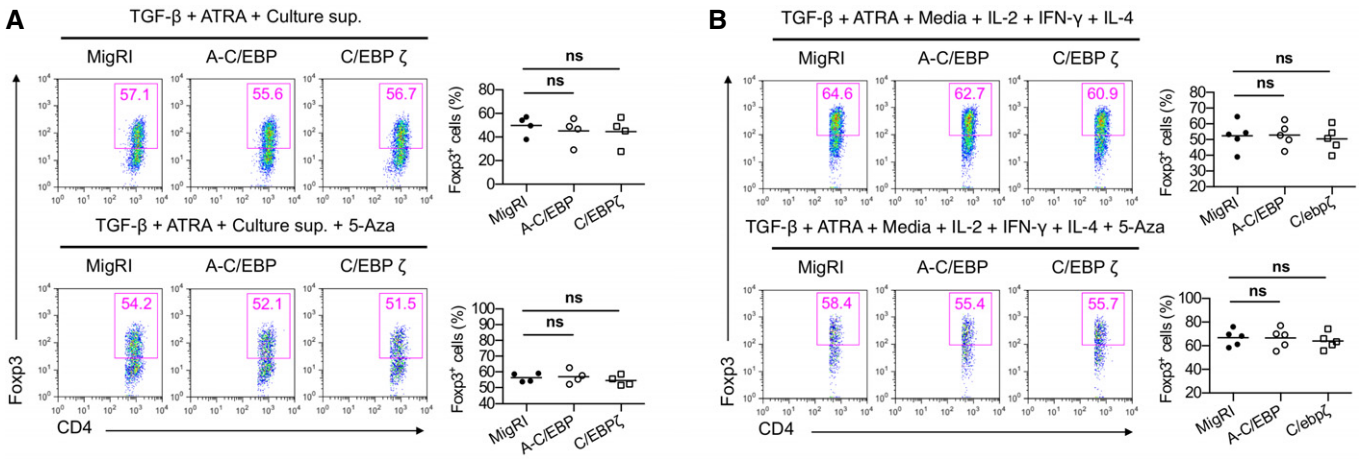


Figure EV4. C/EBPβ does not alter the methylation status of the TSDR.

A The *Foxp3* gene. Exon–intron structure and the TSDR are depicted (top). The position of 10 CpG motifs and CRE sequence within the TSDR is shown (bottom).

B Bisulfite sequencing of FACS-sorted GFP$^+$ cells from CD4$^+$ naïve T cells transduced with control retrovirus (MigRI) or retrovirus encoding C/EBPβ and cultured for 2 days in the presence of TGF-β and culture supernatant.



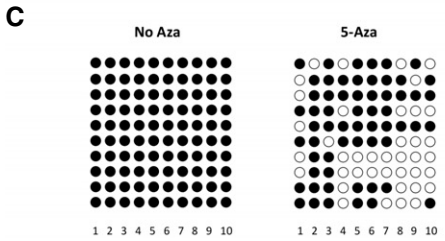


Figure EV5. GFP-negative cell fraction of Fig 4C and D, and bisulfite sequencing after 5-aza treatment.

A, B GFP-negative cell fraction of Fig 4C and D.

C Bisulfite sequencing of TSDR of FACS-sorted GFP$^+$ cells from CD4$^+$ naïve T cells transduced with control retrovirus (MigRI) and cultured for 2 days in the presence of TGF-β, ATRA, 5-aza, and culture supernatant.