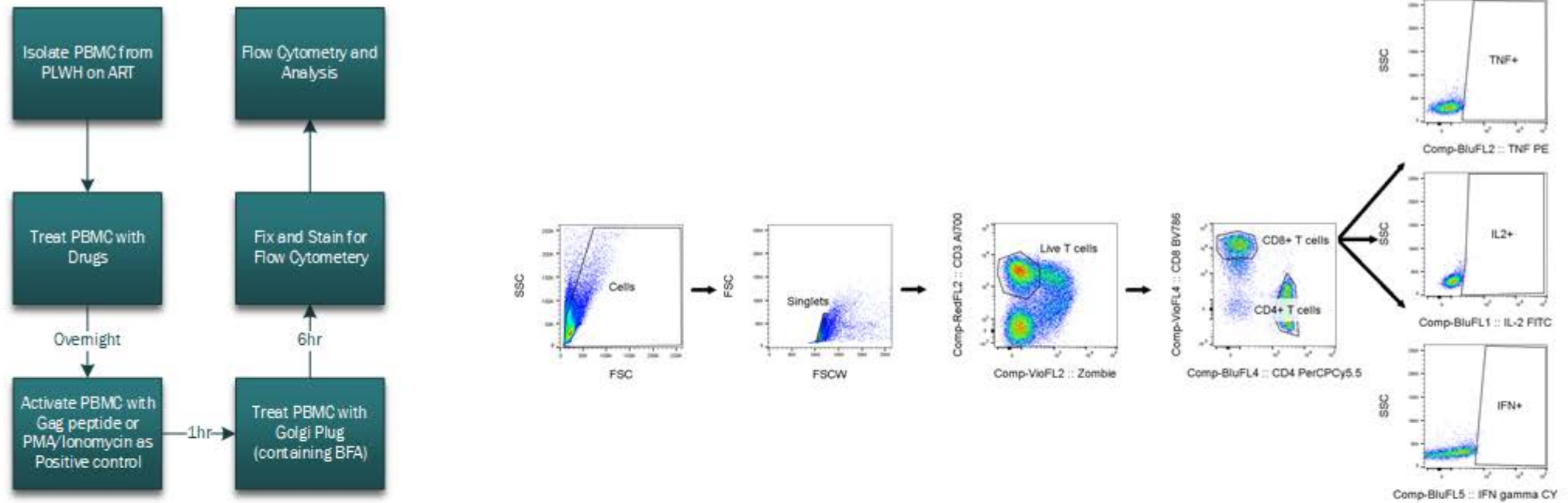


S1. RUNX1 inhibition IC50 analysis. 293T cells were transfected with IL17 promoter driven luciferase reporter plasmid and treated with Alprazolam and R05-3335 from 1nM to 1 μ M and luciferase was measured.



S2. Example of gating for intracellular cytokines in CD8+ T cells. PBMCs from HIV-1 infected subjects were treated and activated using gag pool peptides and protein export was blocked using Golgi plug. Cells were stained for live/dead, CD3, CD4, CD8, and intracellular cytokines.

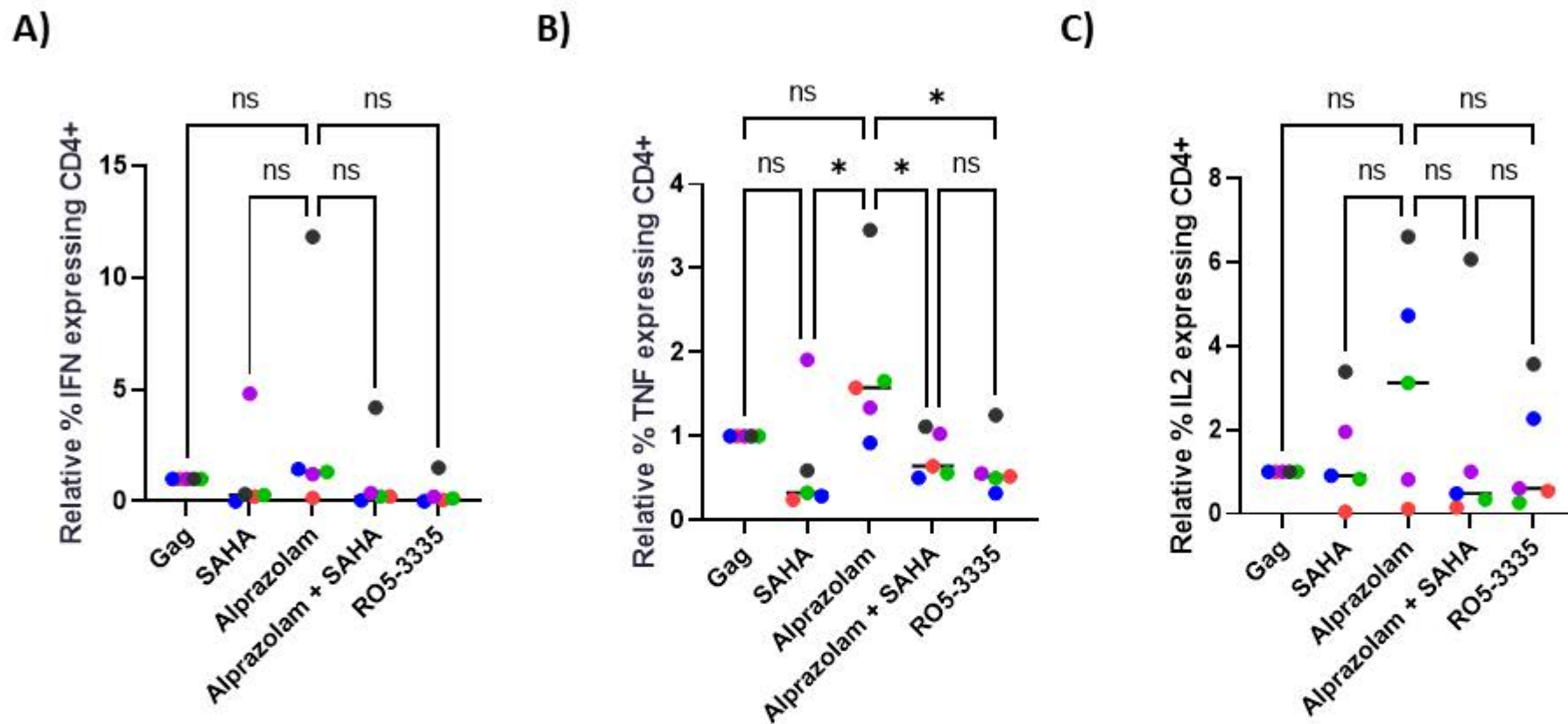


Figure S3. The effect of alprazolam on cytokine production in CD4⁺ T cells. PBMCs from 5 HIV-1 positive individuals suppressed on therapy were treated with vehicle control, 500 nM SAHA, 100 nM alprazolam, SAHA plus alprazolam or 100nM Ro5-3335 overnight and then exposed to a set overlapping Gag peptides in the presence of Brefaldin A for 6 hours. Cells were stained for live/dead marker, CD3, CD4, CD8 and cytokines of interest. The number of A) IFN γ , B) TNF α C) IL-2 expressing CD4⁺ T-cells for each condition is shown normalized to untreated control.