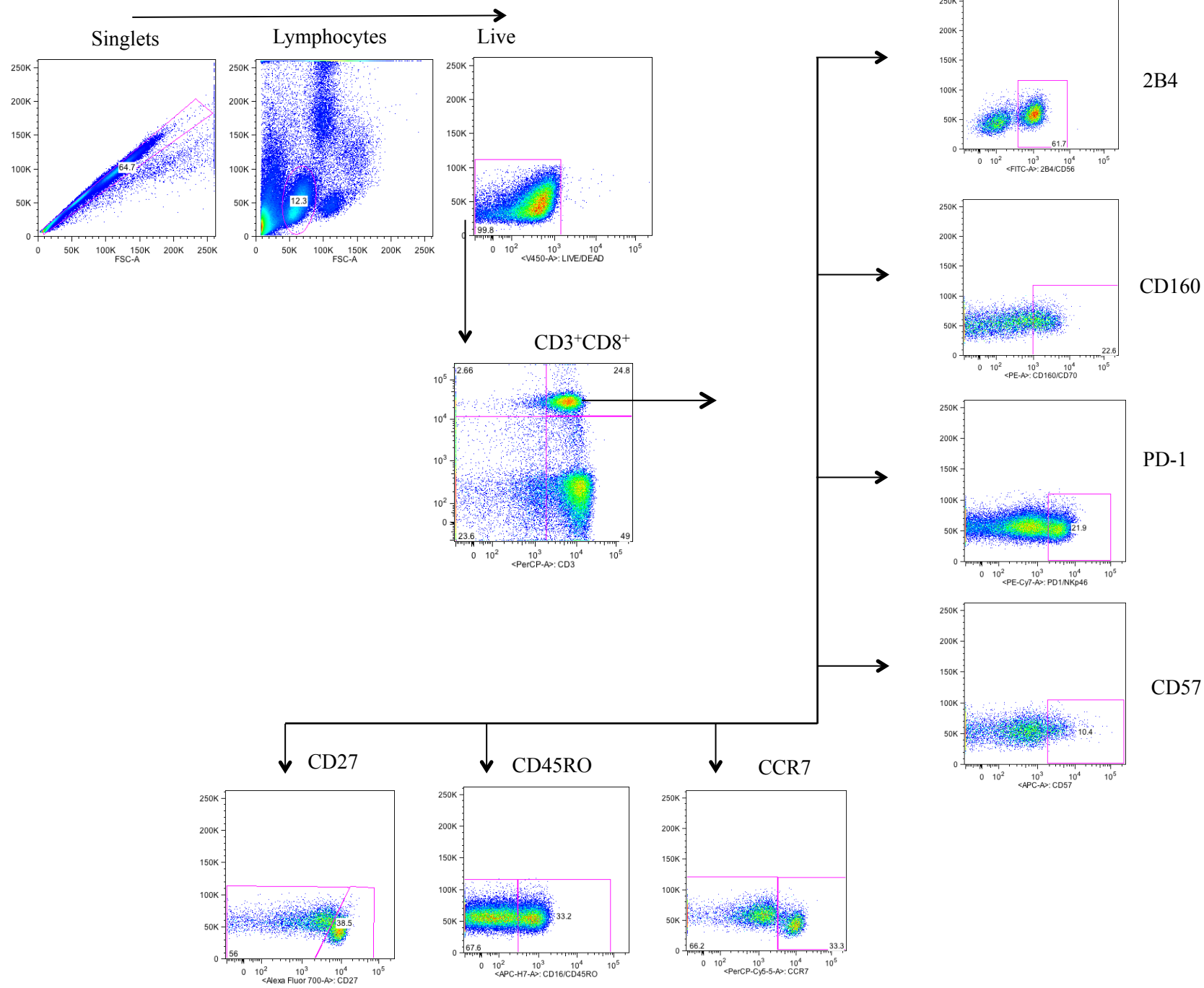
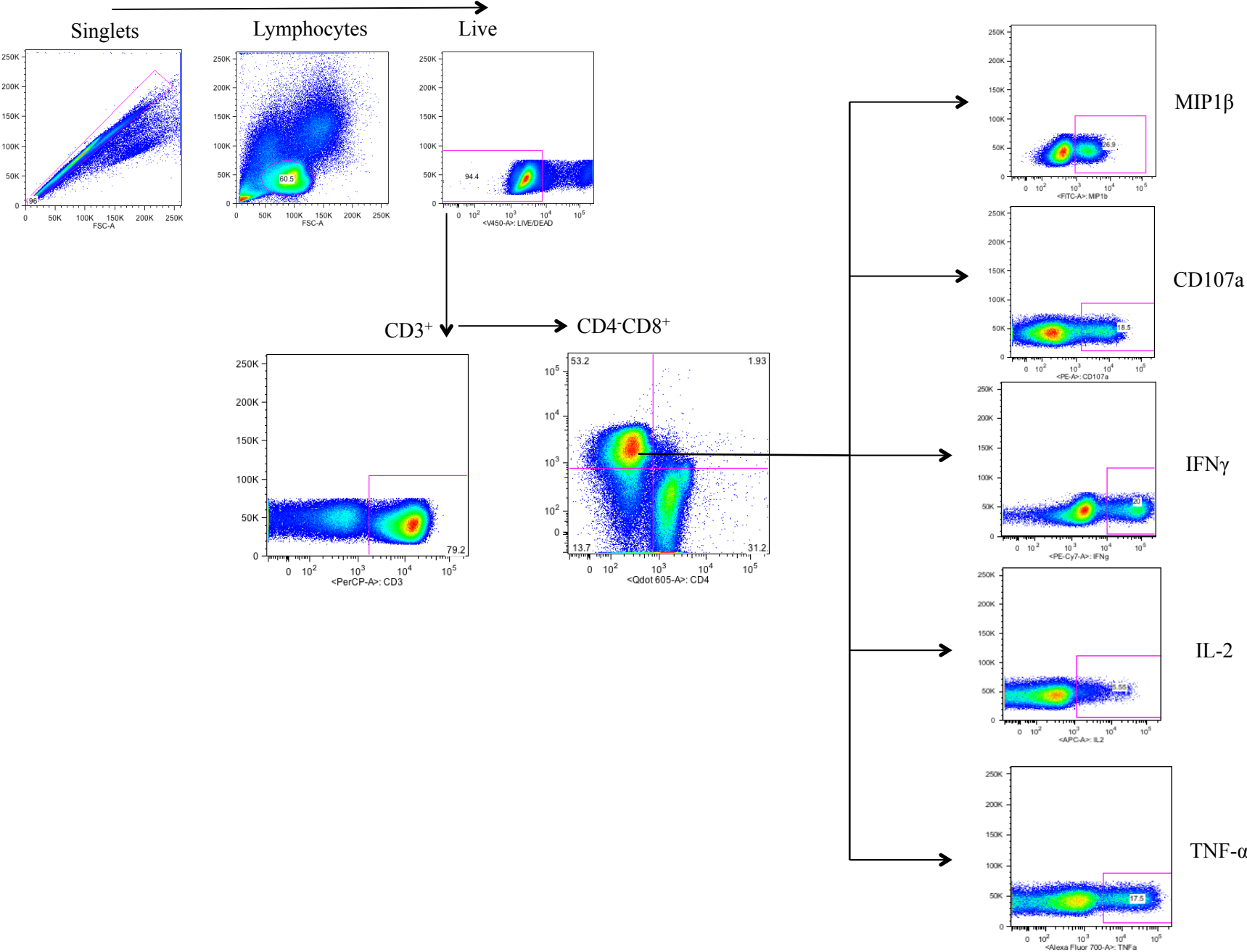


Supplemental Digital Content 1. Detailed gating strategy for the analysis of CD8⁺ T cell marker expression. The cells were initially gated on a forward scatter area (FSC-A) versus height (FSC-H) plot to exclude doublets from the analysis. The lymphocytes were identified by a side scatter area (SSC-A) versus FSC-A plot. The dead cells were confirmed to be V450 bright and excluded in an SSC-A versus V450 plot. CD8⁺ T cells were identified in a CD3⁺CD8⁺ plot. We define effector CD8⁺ T cells as CD45RO⁻CD27⁻CCR7⁻, naïve as CD45RO⁺CD27⁺CCR7⁺, effector memory as CD45RO⁺CD27⁻CCR7⁻, central memory as CD45RO⁺CD27⁺CCR7⁺ and transitional memory as CD45RO⁺CD27⁺CCR7⁻.

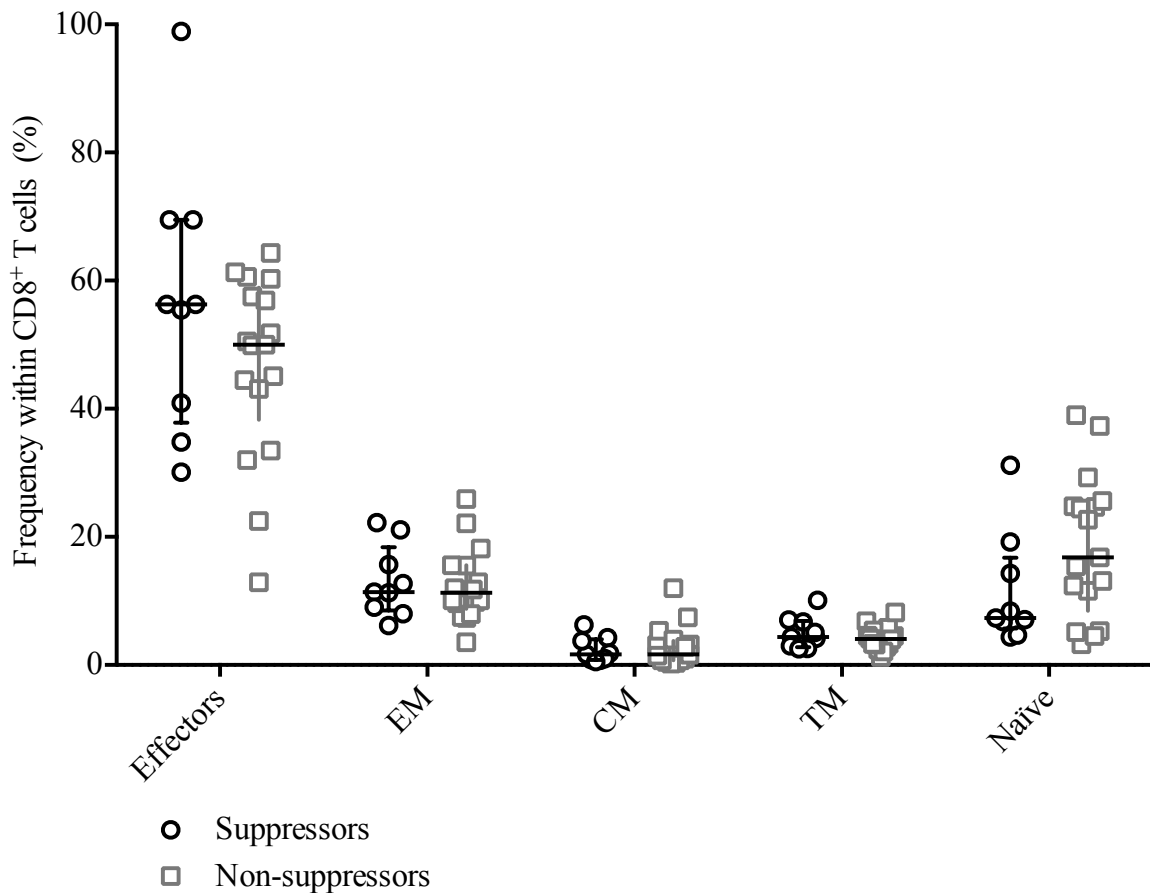


Supplemental Digital Content 2. Gating strategy for intracellular cytokine staining for CD107a and cytokines. The cells were initially gated on a forward scatter area (FSC-A) versus height (FSC-H) plot to exclude doublets from the analysis. The lymphocytes were identified on a side scatter area (SSC-A) versus FSC-A plot. The dead cells were confirmed to be V450 bright and excluded on an SSC-A versus V450 plot. CD3⁺CD4⁻CD8⁺ cells were identified, followed by the identification of cells positive for each cytokine and CD107a.



Supplemental Digital Content 3. The frequency of effectors and effector memory cells does not differ between suppressors and non-suppressors. We investigated the frequency of effectors, effector memory (EM), central memory (CM), transitional memory (TM) and naïve cells within the CD8⁺ T cell population. No differences were observed between the suppressors (open circles) and the non-suppressors (open squares).

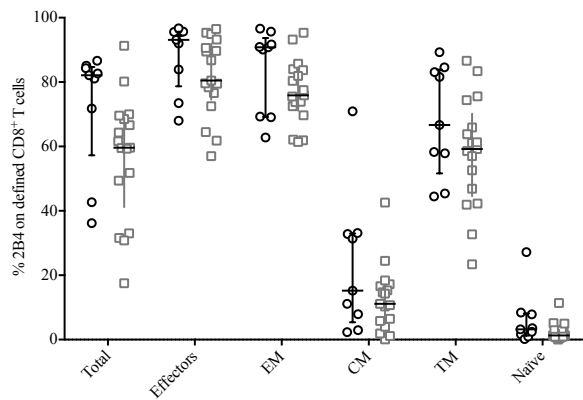
Supplemental digital content 3



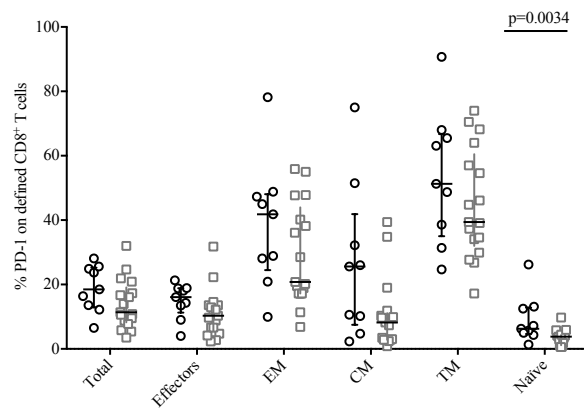
Supplemental Digital Content 4. No differences were observed in the frequency of CD8⁺ T cells expressing inhibitory markers between suppressors and non-suppressors. The frequency of the expression of inhibition and maturation markers was compared between CD8⁺ T cells and distinct memory CD8⁺ T cell subsets; suppressors (open circles) and non-suppressors (open squares). A-C) No differences between suppressors and non-suppressors were observed in the frequency of either total CD8⁺ T cells or memory subsets expressing the inhibitory 2B4, CD160 and PD-1. D) The frequency of expression of the maturation marker CD57 was not significantly different between suppressors and non-suppressors.

Supplemental digital content 4

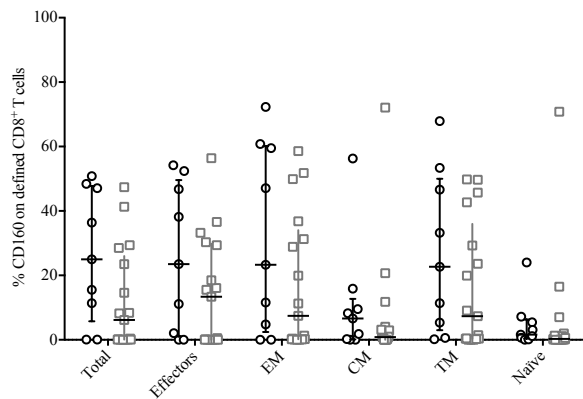
A



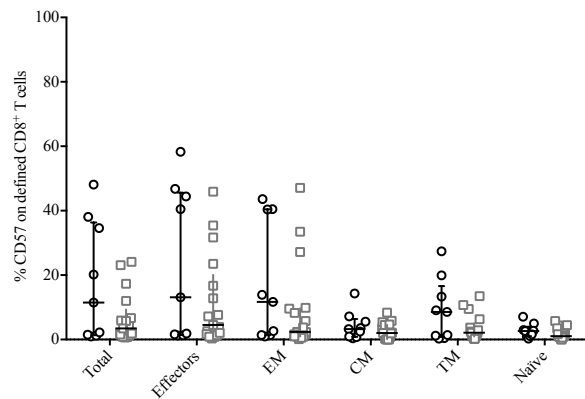
B



C



D



○ Suppressors
□ Non-suppressors