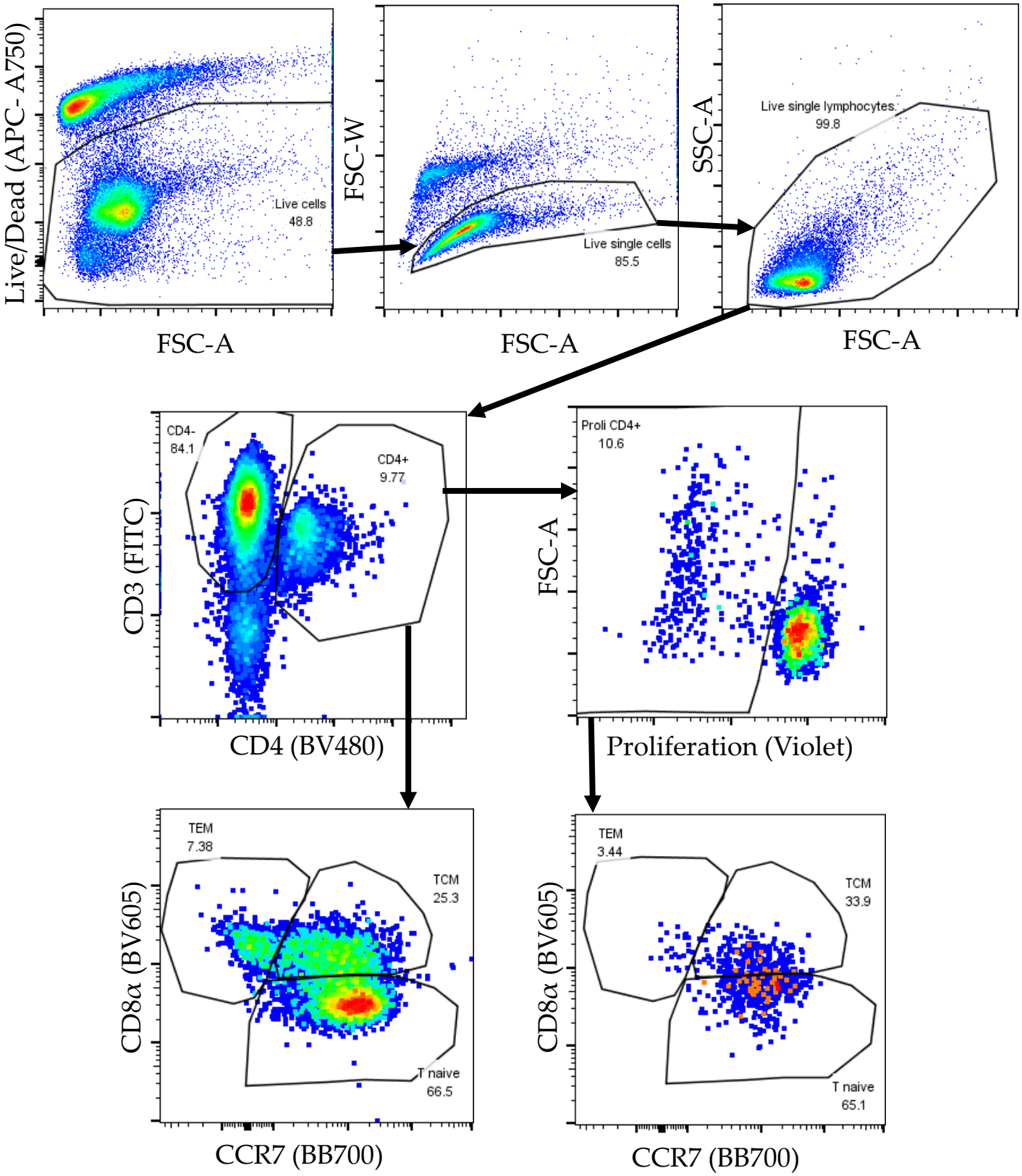

Supplementary Figure S1. Gating hierarchy for PBMC proliferation analysis via flow cytometry. Proliferation of $CD4^+$ T cells was analyzed by CellTrace™ Violet in combination with FCM stainings for immune markers. Live cells were identified by a gate on Live/Dead Near infra red staining. Next, doublets were excluded by an FSC-A (area)/FSC-W (width) gate. Lymphocytes were then identified by cell size (FSC-A) and granularity (SSC-A). $CD4^+$ T cells were identified via their CD3 and CD4 expression. Within these $CD4^+$ T cells, proliferation was analyzed using a CellTrace™ Violet/FSC-A gate. $CD4^+$ and proliferating $CD4^+$ cells were further differentiated into naïve (T naïve), central (T_{CM}) and effector memory cells (T_{EM}) via CCR7 and CD8α markers: T_{CM} is $CCR7^+CD8\alpha^+$ and T_{EM} is $CCR7^-CD8\alpha^+$. Gating is based on relevant fluorescent minus one (FMO) controls.