Distribution of Functional CD4 and CD8 T cell Subsets in Blood and Rectal Mucosal Tissues

Praveen Kumar Amancha*[1], Cassie G. Ackerley*[1], Chandni Duphare[2], Mark Lee[2], Yi-Juan Hu[3], Rama R. Amara[2] and Colleen F. Kelley[1]

Figure S1: Representative FACS plots for intracellular cytokine staining assays. The no stimulation control (NS) and PMA/Ionomycin stimulated profile is shown here on CD4 (left) and on CD8 (right).
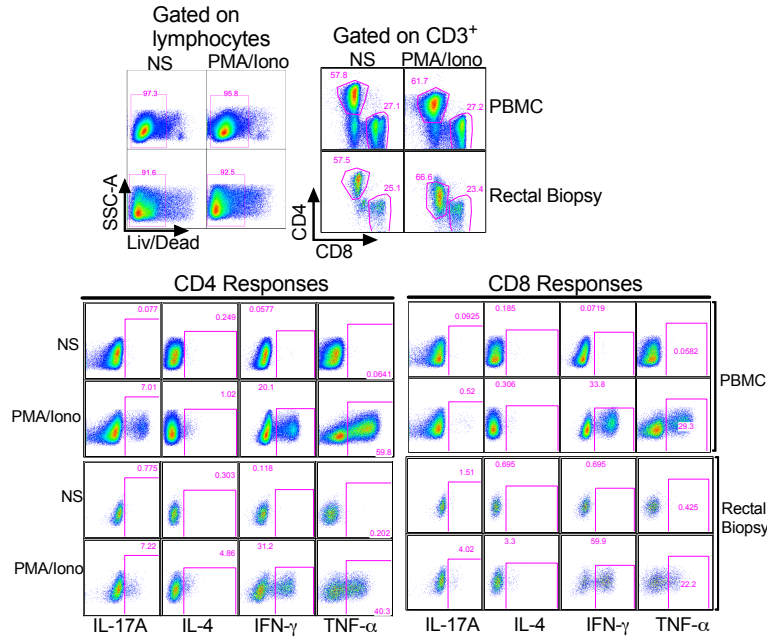

Table S1: Correlation analysis of polyfunctional Th17 and Tc17 populations and HIV target cell populations in the RM of HIV negative men

	Memory CD4+CCR5+	Memory CD4+Ki67+	Memory CD4+CD38+	Memory CD4+α4β7+Ki67
Total CD4+IL17A+	ns	ns	ns	ns
CD4+IL17A+IFN-γneg TNFαnegIL4neg	* (r= -0.33, p=0.03)	ns	ns	ns
CD4+IL17A+IFN-γ+TNFαnegIL4neg	ns	ns	ns	ns
CD4+IL17A+TNF-α+IFN-γnegIL4neg	ns	ns	ns	ns
CD4+IL17A+IFNg-γ+TNF-α+IL4neg	ns	** (r= 0.41, p=0.006)	ns	** (r= 0.48, p=0.001)
CD4+IL17A+IL4+IFN-γneg TNFαneg	ns	ns	ns	ns
CD4+IL17A+IL4+IFNg-γ+TNFαneg	ns	ns	ns	ns
CD4+IL17A+IL4+TNF-α+IFN-γneg	ns	ns	ns	ns
CD4+IL17A+IL4+IFNg-γ+TNF-α+	ns	ns	ns	ns
	RM_CD4MemCCR5	RM_CD4 MemKi67	RM_CD4 MemCD38	RM_CD4 Mema4b7_Ki67
Total CD8+IL17A+	ns	* (r= -0.54, p=0.02)	ns	ns
CD8+IL17A+IFN-γneg TNFαnegIL4neg	ns	ns	ns	* (r= -0.50, p=0.03)
CD8+IL17A+IFN-γ+TNFαnegIL4neg	ns	ns	ns	ns
CD8+IL17A+TNF-α+IFN-γnegIL4neg	ns	ns	ns	* (r= 0.51, p=0.02)
CD8+IL17A+IFNg-γ+TNF-α+IL4neg	ns	ns	ns	* (r= 0.52, p=0.02)
CD8+IL17A+IL4+IFN-γneg TNFαneg	ns	ns	ns	* (r= -0.57, p=0.01)
CD8+IL17A+IL4+IFNg-γ+TNFαneg	ns	ns	ns	* (r= -0.514, p=0.03)
CD8+IL17A+IL4+TNF-α+IFN-γneg	ns	ns	ns	ns
CD8+IL17A+IL4+IFNg-γ+TNF-α+	ns	ns	ns	ns