

**Table S7. Experimental design for five CD4+ T cell clones in the three spiked in mix.**

Clone	TCRB V	TCRB J	CDR3	Mix 1	Mix 2	Mix 3
G	VB8	TRBJ1-1	CASSLGGQGVG	100,000	1000	10
A	VB5.1	TRBJ2-5	CASSPGIAELKETQY	10,000	1000	100
B	VB6.7	TRBJ2-7	CASHTGFVSYEQY	1000	1000	1000
C	VB4	TRBJ1-4	CSVGTGDNEKLF	100	1000	10,000
D	VB4	TRBJ1-4	CSVGQGDNEKLF	10	1000	100,000