

## Supplemental Data Table S2. Inter-sample carryover

Order of run –	CXCR5+ helper T cells	
	Sample A	Sample B
Single run-1	$3.65*/8,312^{\dagger}$	$0.01*/20^{\dagger}$
Single run-2	$3.74/8,398^{\dagger}$	$0.01*/18^{\dagger}$
Single run-3	$3.68*/8,359^{\dagger}$	$0.01*/21^{\dagger}$
Average relative value of $1-3$ consecutive runs (mean, %CV)	(3.69/0.93)	(0.01/5.38)

Sample A: pathological sample with a high level of CD3 $^+$ /CD4 $^+$ /CXCR5 $^+$  cells. Sample B: unstained CXCR5 sample with a low level of CXCR5 $^+$  helper T cells.

Abbreviation: %CV, percent CV.

<sup>\*</sup>CXCR5+ helper T cell fraction relative to total lymphocytes;  $^{\dagger} Absolute$  cell counts of CXCR5+ helper T cells.