

Supplementary information, Table S2. Four TCRs from spontaneous T_{FH} and T_{FR} cells.

Clone name	Exp.Mouse\Cell ^a	TCR α			TCR β			
		V	J	CDR3	V	D	J	CDR3
10X1	meta-3\ Tfh	TRAV5-4	TRAJ31	TGTGCTGCAAGTAATAGCAATAAC AGAATCTTCTTT	TRBV13-2	N/A	TRBJ1-6	TGTGCCAGCGGTGATTCTATAATT CGCCCCCTCTACTTT
	meta-1\ Tfr							
10X2	5-4 \ Tfh	TRAV5-4	TRAJ31	TGTGCTGCAAGCAATAGCAATAAC AGAAATCTTCTTT	TRBV13-2	N/A	TRBJ1-6	TGTGCCAGCGGTGATGCATATAATT CGCCCCCTCTACTTT
	meta-1\ Tfr	TRAV5N-4	TRAJ31	TGTGCTGCAAGTAATAGCAATAAC AGAAATCTTCTTT	TRBV13-2	N/A	TRBJ1-6	TGTGCCAGCGGTGATGCGTATAATT CGCCCCCTCTACTTT
	5-1 \ Tfr	TRAV5-4	TRAJ31	TGTGCTGCCTCGAATAGCAATAACA GAATCTTCTTT	TRBV13-2	N/A	TRBJ1-6	TGTGCCAGCGGTGATGCGTATAATT CGCCCCCTCTACTTT
	5-2 \ Treg	TRAV5-4	TRAJ31	TGTGCTGCAAGTAATAGCAATAAC AGAAATCTTCTTT	TRBV13-2	N/A	TRBJ1-6	TGTGCCAGCGGTGATGCTTATAATT CGCCCCCTCTACTTT
	5-4 \ Treg	TRAV5-4	TRAJ31	TGTGCTGCAAGTAATAGCAATAAC AGAAATCTTCTTT	TRBV13-2	N/A	TRBJ1-6	TGTGCCAGCGGTGATGCCTATAATT CGCCCCCTCTACTTT
Tfh13	meta-3 \ Tfh	TRAV6-7-DV9	TRAJ42	TGTGCTCTGAGTGGGGGAGGAAGC AATGCAAAGCTAACCTTC	TRBV15	TRBD2	TRBJ2-7	TGTGCCAGCAGTTTGGGGGGGAGCT CCTATGAACAGTACTTC
	5-1 \ Tfh	TRAV6-7-DV9	TRAJ42	TGTGCTCTGAGTGGAGGAGGAAGC AATGCAAAGCTAACCTTC	TRBV15	TRBD2	TRBJ2-7	TGTGCCAGCAGTTTAGGGGGGAGCT CCTATGAACAGTACTTC
Tfh14	4-3 \ Tfh	TRAV7-4	TRAJ17	TGTGCAGCTAGTGCCTCGACTAACA GTGCAGGGAACAAGCTAACTTTT	TRBV12-2	N/A	TRBJ2-3	TGTGCCAGCTCTCTCGACTCTAGTG CAGAAACGCTGTATTTT

^a Three of 5 sequencing experiments involved cells pooled from 8 mice per batch, and these are termed meta-mouse 1, 2, and 3 (meta-1, 2, 3). In the other two (4th and 5th) experiments, each of the 8 donor mice was individually barcoded (termed 4-1~8, 5-1~8).