

Shared HLA Class I and II Alleles and Clonally Restricted Public and Private Brain-Infiltrating $\alpha\beta$ T Cells in a Cohort of Rasmussen Encephalitis Surgery Patients.

Sugandha Dandekar, Hemani Wijesuriya, Tim Geiger, David Hamm, Gary W. Mathern, Geoffrey C. Owens*

*Correspondence: Geoffrey C. Owens: geoffreyowens@mednet.ucla.edu

Supplementary Table 2: Nucleotide sequences of top CDR3s in RE brain specimens with multiple TRBV gene usage.

Case ID	CDR3 (amino acid)	CDR3 (nucleotide)	V β gene	Freq.
RECP33 brain	CAISESNYGYTF	TGTGCCATCAGTGAATCTAACTATGGCTACACCTTCGGTTC	TRBV6	0.65
		TGTGCCATCAGTGAATCTAACTATGGCTACACCTTCGGTTC	TRBV10	99.35
	CASSLLVVESELHTGELFF	TGTTGGTGGTGGAGTCGGAGTTGCACACCGGGGAGCTGTTTTT	TRBV4	0.18
		TGTTGGTGGTGGAGTCGGAGTTGCACACCGGGGAGCTGTTTTT	TRBV5	99.28
CASSKTSKTPDNEQFF	TGTGCCAGCAGCAAGACTAGCGGCCTGACAATGAGCAGTTCCTTC	TRBV7	98.66	
	TGTGCCAGCAGCAAGACTAGCGGCCTGACAATGAGCAGTTCCTTC	TRBV11	1.34	
RECP34 brain	CASAEEWSSYNSPLHF	TGTGCCAGCGCCGAGGAGTGGAGTCTCTATAATTCACCCCTCCACTTT	TRBV6	99.89
		TGTGCCAGCGCCGAGGAGTGGAGTCTCTATAATTCACCCCTCCACTTT	TRBV10	0.11
	CASSQDTPGGFYEQYF	TGCGCCAGCAGCCAAGACACTCCGGGACAGTTCACGAGCAGTACTTC	TRBV1	0.15
		TGCGCCAGCAGCCAAGACACTCCGGGACAGTTCACGAGCAGTACTTC	TRBV4	98.78
RECP35 brain	CASSLRGTGNTEAFF	TGTGCCAGCAGCTTAAGGGGAACGGGGAACACTGAAGCTTCTTT	TRBV2	0.2
		TGTGCCAGCAGCTTAAGGGGAACGGGGAACACTGAAGCTTCTTT	TRBV4	0.39
		TGTGCCAGCAGCTTAAGGGGAACGGGGAACACTGAAGCTTCTTT	TRBV7	0.2
		TGTGCCAGCAGCTTAAGGGGAACGGGGAACACTGAAGCTTCTTT	TRBV12	0.39
		TGTGCCAGCAGCTTAAGGGGAACGGGGAACACTGAAGCTTCTTT	TRBV19	0.59
		TGTGCCAGCAGCTTAAGGGGAACGGGGAACACTGAAGCTTCTTT	TRBV27	0.39
RECP35 brain	CASSLRGTGNTEAFF	TGTGCCAGCAGCTTAAGGGGAACGGGGAACACTGAAGCTTCTTT	TRBV28	0.39
		TGTGCCAGCAGCTTAAGGGGAACGGGGAACACTGAAGCTTCTTT	TRBV30	97.45
		TGTGCCAGCAGCTTAAGGGGAACGGGGAACACTGAAGCTTCTTT	TRBV2	99.72
RECP35 brain	CASSGPGPSTGELFF	TGTGCCAGCGGCCAGGGGGCCGAGCACCGGGGAGCTGTTTTT	TRBV12	0.28
		TGTGCCAGCGGCCAGGGGGCCGAGCACCGGGGAGCTGTTTTT	TRBV13	99.78
RECP35 brain	CASSSTSDTQYF	TGTGCCAGCAGTACATCTAGCACAGATACGCAGTATTTT	TRBV2	99.69
		TGTGCCAGCAGTACATCTAGCACAGATACGCAGTATTTT	TRBV6	0.31
RECP37 brain	CASSQDPQALNEQFF	TGCGCCAGCAGCCAAGATCCCCAGGGGGCGCTGAATGAGCAGTTCCTTC	TRBV4	99.28
		TGCGCCAGCAGCCAAGATCCCCAGGGGGCGCTGAATGAGCAGTTCCTTC	TRBV5	0.36
		TGCGCCAGCAGCCAAGATCCCCAGGGGGCGCTGAATGAGCAGTTCCTTC	TRBV7	0.09
		TGCGCCAGCAGCCAAGATCCCCAGGGGGCGCTGAATGAGCAGTTCCTTC	TRBV11	0.18
		TGCGCCAGCAGCCAAGATCCCCAGGGGGCGCTGAATGAGCAGTTCCTTC	TRBV11	0.09
RECP40 brain	CASSVAYEQYF	TGTGCCAGCAGTGTAGCTACGAGCAGTACTTC	TRBV2	0.04
		TGTGCCAGCAGTGTAGCTACGAGCAGTACTTC	TRBV3	0.2
		TGTGCCAGCAGTGTAGCTACGAGCAGTACTTC	TRBV6	64.08
		TGTGCCAGCAGTGTAGCTACGAGCAGTACTTC	TRBV6	34.86
		TGTGCCAGCAGTGTAGCTACGAGCAGTACTTC	TRBV6	0.4
		TGTGCCAGCAGTGTAGCTACGAGCAGTACTTC	TRBV10	0.15
		TGTGCCAGCAGTGTAGCTACGAGCAGTACTTC	TRBV12	0.15
		TGTGCCAGCAGTGTAGCTACGAGCAGTACTTC	TRBV25	0.04
	TGTGCCAGCAGTGTAGCTACGAGCAGTACTTC	TRBV27	0.08	
	RECP40 brain	CASSVAYEQYF	TGTGCCAGCAGTGTAGCTACGAGCAGTACTTC	TRBV3
TGTGCCAGCAGTGTAGCTACGAGCAGTACTTC			TRBV6	99.67
RECP42 brain	CASSVDHRAGKPYEQYF	TGTGCCAGTGTAGTGTGGATCACAGGGCAGGGAAACCCCTACGAGCAGTACTTC	TRBV5	0.004
		TGTGCCAGTGTAGTGTGGATCACAGGGCAGGGAAACCCCTACGAGCAGTACTTC	TRBV19	99.971
		TGTGCCAGTGTAGTGTGGATCACAGGGCAGGGAAACCCCTACGAGCAGTACTTC	TRBV19	0.025
RECP42 brain	CATSVTTGGYTEAFF	TGTGCCACCAAGTGTACAAACAGGGGTTTACACTGAAGCTTCTTT	TRBV12	0.02
		TGTGCCACCAAGTGTACAAACAGGGGTTTACACTGAAGCTTCTTT	TRBV24	99.98
RECP42 brain	CASSGGSTDTQYF	TGTGCCAGTAGCGGGGGGAGCACAGATACGCAGTATTTT	TRBV4	0.02
		TGTGCCAGTAGCGGGGGGAGCACAGATACGCAGTATTTT	TRBV19	99.98
RECP43 brain	CASSLQDRGPGGEQYV	TGTGCCAGCAGCCTACAGGACAGGGGGCCCGTGGCGAGCAGTACGTC	TRBV7	3.33
		TGTGCCAGCAGCCTACAGGACAGGGGGCCCGTGGCGAGCAGTACGTC	TCRBV11	96.67
RECP45 brain	CASSLRNYDDRVGYYEQYF	TGTGCCAGCAGTTTACGAAACTACGACGACAGGGTGGGTACTACGAGCAGTACTTC	TRBV6	0.08
		TGTGCCAGCAGTTTACGAAACTACGACGACAGGGTGGGTACTACGAGCAGTACTTC	TRBV12	0.04
		TGTGCCAGCAGTTTACGAAACTACGACGACAGGGTGGGTACTACGAGCAGTACTTC	TRBV27	99.8
		TGTGCCAGCAGTTTACGAAACTACGACGACAGGGTGGGTACTACGAGCAGTACTTC	TRBV28	0.08
RECP45 brain	CASSLGTGDRSNQPHF	TGTGCCAGCAGTTTACGAAACTACGACGACAGGGTGGGTACTACGAGCAGTACTTC	TRBV6	0.02
		TGTGCCAGCAGTTTACGAAACTACGACGACAGGGTGGGTACTACGAGCAGTACTTC	TRBV28	99.98
RECP49 brain	CASQLGAATGYTF	TGTGCCAGCCAGCTGGGGCCGCGACTGGCTACACCTTC	TRBV4	0.04
		TGTGCCAGCCAGCTGGGGCCGCGACTGGCTACACCTTC	TRBV5	0.06
		TGTGCCAGCCAGCTGGGGCCGCGACTGGCTACACCTTC	TRBV7	0.08
		TGTGCCAGCCAGCTGGGGCCGCGACTGGCTACACCTTC	TCRBV11	99.82
RECP50	CASSLSSFQETQYF	TGTGCCAGCAGCTTATCTTCATTCCAAGAGACCCAGTACTTC	TRBV7	99.78
		TGTGCCAGCAGCTTATCTTCATTCCAAGAGACCCAGTACTTC	TRBV11	0.22