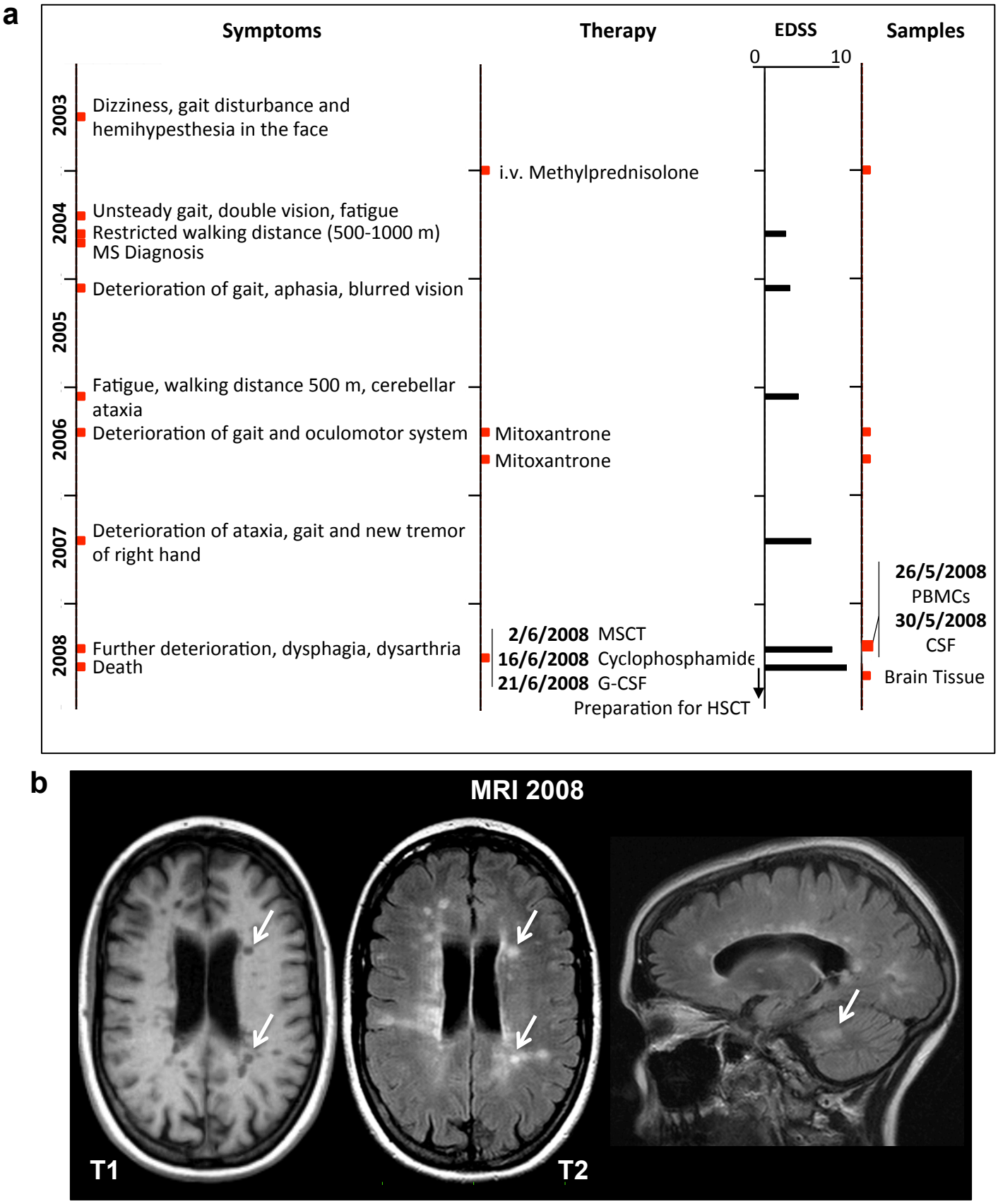
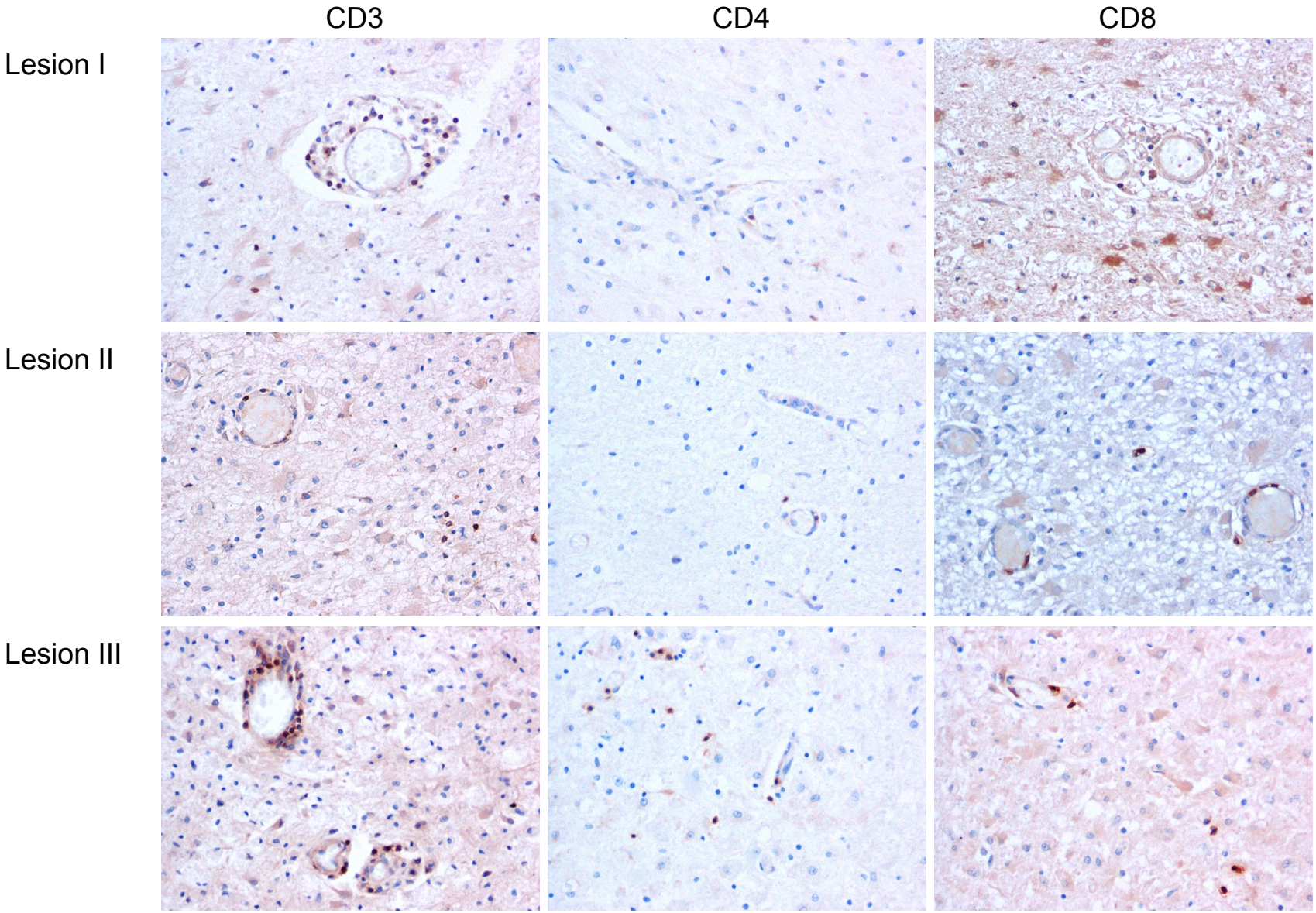
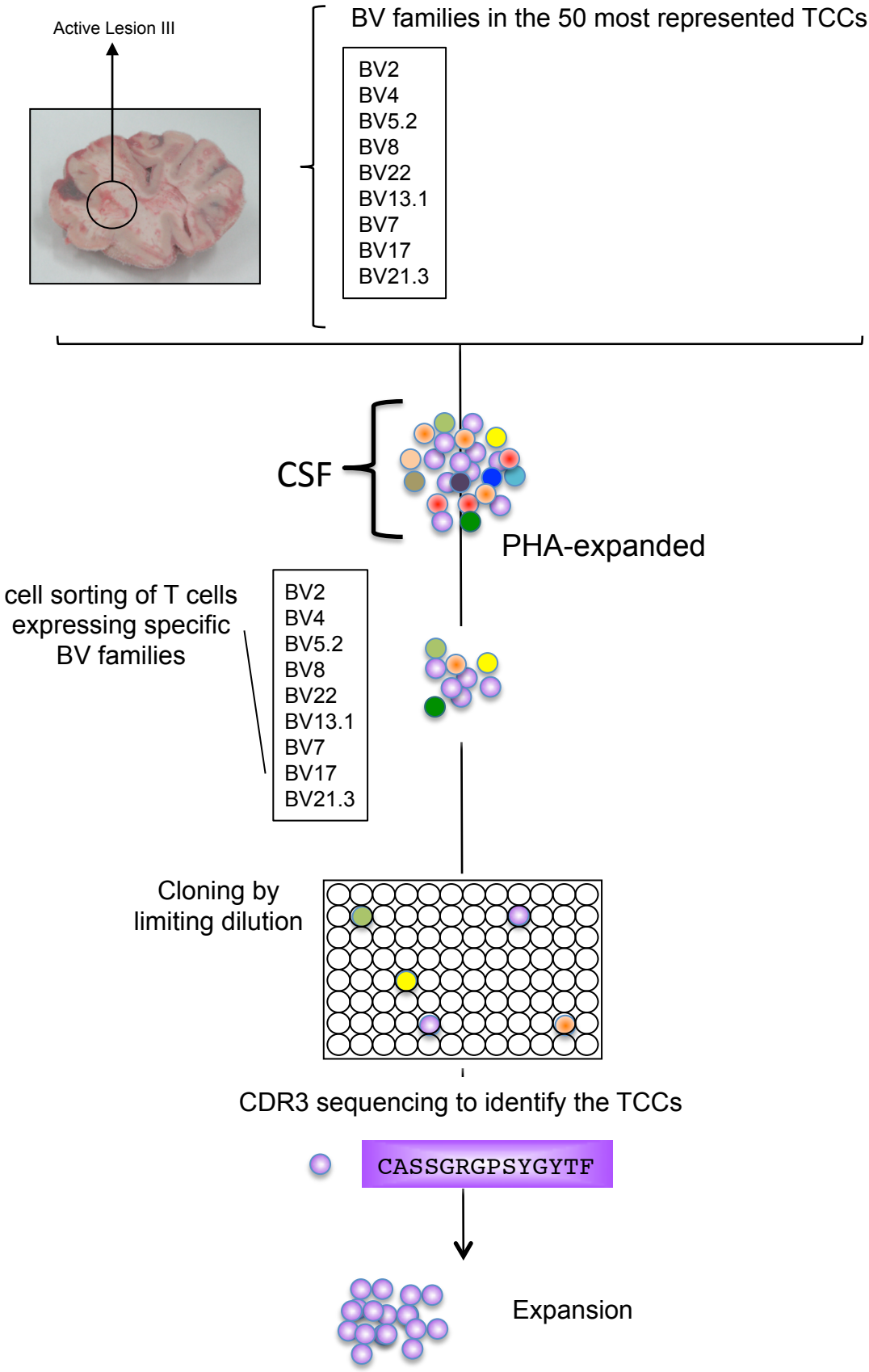


New Supplementary Figure 1. Clinical and neuroimaging (MRI) information. a) Clinical course of clinical case I. MSCT, allogenic mesenchymal stem cell transplantation and HSCT, autologous hematopoietic stem cell transplantation. **b)** MRI imaging of clinical case I. Axial MRI from 2008 showing massive confluent supra- and infratentorial T1 hypointense and T2 hiperintense lesions and global atrophy. Saggital MRI shows hyperintense T2 lesions in the cerebellum.

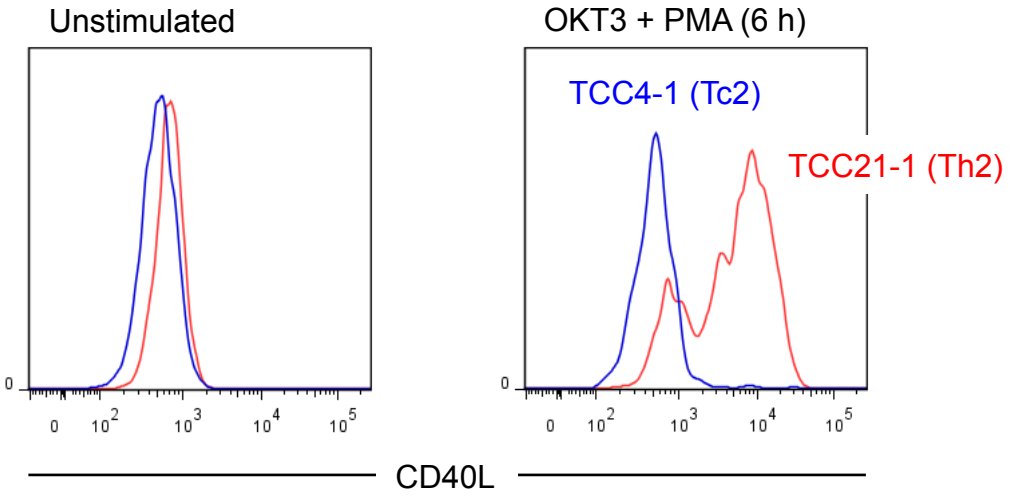


Supplementary Figure 2. T cell inflammation in pattern II patient. $CD3^+$ T cells (left), $CD4^+$ T cells (middle) and $CD8^+$ T cells (right) in lesion I (center inactive demyelinated and edge late active demyelinating), lesion II (inactive demyelinated) and lesion III (center late active demyelinating and edges early active demyelinating). Original magnifications x200.



Supplementary Figure 3. Schematic representation of the methodological approach used to fish relevant in vivo brain expanded TCCs from CSF infiltrating PHA expanded T cells.

Supplementary Figure 4. CD40L expression on Tc2 and Th2 T Cell Clones.
Histograms represent the Fluorescence Intensity (FI) of CD40L surface expression on TCC4-1 (CD8+ Tc2, blue) and TCC21-1 (CD4+ Th2, red) unstimulated or stimulated 6h with 1 μg/ml anti-CD3 antibody (OKT3) and10^{-7} M PMA.



Supplementary Table 1. Correspondence between the different gene nomenclatures

Antibody	Arden et al.[1]	IMGT gene name[2]
Vβ12	TCRBV12S1	TRBV10-3
Vβ13.1	TCRBV13S1	TRBV6-5 TRBV6-6 TRBV6-9
Vβ17	TCRBV17S1	TRBV19
Vβ2	TCRBV2S1	TRBV20-1
Vβ21.3	TCRBV21S3	TRBV11-2
Vβ22	TCRBV22S1	TRBV2
Vβ3	TCRBV3S1	TRBV28
Vβ4	TCRBV4S1	TRBV29-1
Vβ5.2	TCRBV5S2	TRBV5-6
Vβ7	TCRBV7S1	TRBV4-1
Vβ8.1 and Vb8.2	TCRBV8S1 and TCRBV8S2	TRBV12-3 and TRBV12-4

[1]Arden, B. et al., Immunogenetics, 42, 455-500 (1995)
[2]Folch, G. and Lefranc, M.-P., Exp. Clin. Immunogenet, 17, 42-54 (2000)

Supplementary Table 2. Complete TCR sequencing in Lesion III

RANK	CDR3	COUNTS	FREQUENCY (%)	V	D	J	Also present in: L-I	Also present in: L-II
1	CSASEGVYEQYF	493497	30.67779	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01		
2	CASSSGPGEAF	356183	22.14179	TCRBV05-06*01	TCRBD02-01*02	TCRBJ02-03*01		
3	**CSVEISKGTGNYGYTF**	**252110**	**15.67219**	**TCRBV29-01*01**	**TCRBD01-01*01**	**TCRBJ01-02*01**	**X**	
4	**CSVFQDRGSSGELFF**	**169488**	**10.53607**	**TCRBV29-01*01**	**TCRBD01-01*01**	**TCRBJ02-02*01**	**X**	**X**
5	**CSAQGLAGGHVDEQFF**	**111505**	**6.93161**	**TCRBV20**	**TCRBD02-01*01**	**TCRBJ02-01*01**	**X**	
6	**CASSLSGTGVYEQYF**	**81616**	**5.07358**	**TCRBV12**	**TCRBD01-01*01**	**TCRBJ02-07*01**	**X**	
7	CASSEGGYNSPLHF	25295	1.57244	TCRBV02-01*01	TCRBD02-01*01	TCRBJ01-06*01		
8	CASSLGQGEQYF	25076	1.55883	TCRBV05-04*01	TCRBD01-01*01	TCRBJ02-07*01		
9	CASSLQGWATEAFF	24987	1.55329	TCRBV05-06*01	TCRBD01-01*01	TCRBJ01-01*01		
10	**CASSLYRGGTQYF**	**13291**	**0.82622**	**TCRBV05-06*01**	**TCRBD01-01*01**	**TCRBJ02-03*01**	**X**	
11	CASSLGRVSWGYTF	8219	0.51093	TCRBV05-06*01	TCRBD01-01*01	TCRBJ01-02*01		
12	**CASSELAGFYEQYF**	**6936**	**0.43117**	**TCRBV06-01*01**	**TCRBD02-01*01**	**TCRBJ02-07*01**	**X**	
13	CASSLVLPTSTDTQYF	6748	0.41948	TCRBV12	TCRBD02-01	TCRBJ02-03*01		
14	CASTPSGVGTDTQYF	5836	0.36279	TCRBV12	TCRBD02-01*02	TCRBJ02-03*01		
15	CASSYSFEPAQETQYF	5200	0.32325	TCRBV06-05*01	unresolved	TCRBJ02-05*01		
16	CASSPSMGDGYTF	4790	0.29777	TCRBV12	unresolved	TCRBJ01-02*01		
17	CASSLVLPTSTDRQYF	2394	0.14882	TCRBV12	TCRBD02-01	TCRBJ02-03*01		
18	CASSSGPGEAF	2070	0.12868	TCRBV05-04*01	TCRBD02-01*02	TCRBJ02-03*01		
19	CASSSKQVSNEQFF	1847	0.11482	TCRBV12	TCRBD02-01	TCRBJ02-01*01		
20	CASASGTRDVGEQFF	1429	0.08883	TCRBV12	TCRBD02-01*02	TCRBJ02-01*01		
21	CASSQGQGNQPQHF	1259	0.07826	TCRBV06-06	TCRBD01-01*01	TCRBJ01-05*01		
22	CASSQDGEAIGGKNIQYF	1202	0.07472	TCRBV04-01*01	TCRBD02-01*02	TCRBJ02-04*01		
23	CASSEAGWPQHF	997	0.06198	TCRBV19-01	TCRBD02-01*02	TCRBJ01-05*01		
24	CSVIAFGSPYGYTF	984	0.06117	TCRBV29-01*01	unresolved	TCRBJ01-02*01		
25	**CSAGTIDLNTEAFF**	**639**	**0.03972**	**TCRBV29-01*01**	**unresolved**	**TCRBJ01-01*01**	**X**	
26	CASSQDGEAIGGKNIQYL	621	0.03860	TCRBV04-01*01	unresolved	TCRBJ02-04*01		
27	**CASRAGNTEAFF**	**583**	**0.03624**	**TCRBV19-01**	**TCRBD01-01*01**	**TCRBJ01-01*01**		**X**
28	CSASEGVYEQYF	395	0.02455	TCRBV29-01*01	TCRBD01-01*01	TCRBJ02-07*01		
29	CASSLVLLTDTQYF	303	0.01884	TCRBV12	unresolved	TCRBJ02-03*01		
30	CASSLVLLTGTQYF	301	0.01871	TCRBV12	TCRBD01-01*01	TCRBJ02-03*01		

31	**CASSTLGGKYQPQHF**	**190**	**0.01181**	**TCRBV19-01**	**unresolved**	**TCRBJ01-05*01**		**X**
32	CSAQGLAGGHVDEQYF	159	0.00988	TCRBV20	TCRBD02-01*01	TCRBJ02-07*01		
33	CASSLQGWATEAFF	143	0.00889	TCRBV05-04*01	TCRBD01-01*01	TCRBJ01-01*01		
34	CASSQALWGYEQYF	140	0.00870	TCRBV04-01*01	unresolved	TCRBJ02-07*01		
35	CASSNSGSYEQYF	116	0.00721	TCRBV06-05*01	TCRBD02-01	TCRBJ02-07*01		
36	CASSRRQGHTEAFF	114	0.00709	TCRBV04-01*01	TCRBD01-01*01	TCRBJ01-01*01		
37	CASSNSGPYEQYF	101	0.00628	TCRBV06-05*01	TCRBD02-01	TCRBJ02-07*01		
38	CASSSGPGQAF	98	0.00609	TCRBV05-06*01	TCRBD01-01*01	TCRBJ02-03*01		
39	CASSLYRGGTQYF	94	0.00584	TCRBV05-04*01	TCRBD01-01*01	TCRBJ02-03*01		
40	CASSQEGPRETQYF	94	0.00584	TCRBV04-01*01	TCRBD02-01	TCRBJ02-05*01		
41	CSASEGGHVDEQFF	70	0.00435	TCRBV20	TCRBD02-01*01	TCRBJ02-01*01		
42	**CASSGRGPSYGYTF**	**64**	**0.00398**	**TCRBV11-02*02**	**TCRBD01-01*01**	**TCRBJ01-02*01**	**X**	
43	CASSLRQGGGEQYF	62	0.00385	TCRBV05-05*01	unresolved	TCRBJ02-07*01		
44	CASSFQLAGDVYNEQFF	59	0.00367	TCRBV11-02*02	TCRBD02-01*02	TCRBJ02-01*01		
45	CASSQERGSGANVLTF	45	0.00280	TCRBV04-02*01	TCRBD02-01*02	TCRBJ02-06*01		
46	**CASSQVQAIDTQYF**	**45**	**0.00280**	**TCRBV04-01*01**	**TCRBD02-01**	**TCRBJ02-03*01**	**X**	**X**
47	CASSLGRVSWGYTF	45	0.00280	TCRBV05-04*01	TCRBD01-01*01	TCRBJ01-02*01		
48	CASSRRQGHTEAFS	37	0.00230	TCRBV04-01*01	TCRBD01-01*01	TCRBJ01-01*01		
49	CSAQGLAGGHVDEQFF	31	0.00193	TCRBV29-01*01	TCRBD02-01*01	TCRBJ02-01*01		
50	CSVEISKGTGNYGYTF	29	0.00180	TCRBV20	TCRBD01-01*01	TCRBJ01-02*01		
51	CASRSGGAREQYF	28	0.00174	TCRBV06-01*01	TCRBD01-01*01	TCRBJ02-07*01		
52	CASSSGPG*AF	28	0.00174	TCRBV05-06*01	TCRBD01-01*01	TCRBJ02-03*01		
53	CSVEISKGTGNYGYTL	26	0.00162	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01		
54	CASSEGGYNSPLHF	25	0.00155	TCRBV12	TCRBD02-01*01	TCRBJ01-06*01		
55	**CASNPGTAYSYEQYF**	**24**	**0.00149**	**TCRBV06-01*01**	**TCRBD01-01*01**	**TCRBJ02-07*01**	**X**	**X**
56	CASEQGYILAHEQYF	24	0.00149	TCRBV02-01*01	TCRBD01-01*01	TCRBJ02-07*01		
57	CSVEISKGTGNYGYTF	20	0.00124	TCRBV05-06*01	TCRBD01-01*01	TCRBJ01-02*01		
58	CASSFLRGPKRYNEQFF	19	0.00118	TCRBV12	unresolved	TCRBJ02-01*01		
59	CASSELAGFYEQYF	18	0.00112	TCRBV12	TCRBD02-01*01	TCRBJ02-07*01		
60	CASSLSGTGVYEQYF	17	0.00106	TCRBV06-01*01	TCRBD01-01*01	TCRBJ02-07*01		
61	CASKDGTGRLYEQYF	16	0.00099	TCRBV02-01*01	TCRBD01-01*01	TCRBJ02-07*01		
62	CASSSQGLTDTQYF	15	0.00093	TCRBV05-04*01	TCRBD01-01*01	TCRBJ02-03*01		
63	CSAFQDRGSSGELFF	14	0.00087	TCRBV29-01*01	TCRBD01-01*01	TCRBJ02-02*01		

64	GSVFQDRGSSGELFF	14	0.00087	TCRBV29-01*01	TCRBD01-01*01	TCRBJ02-02*01	
65	CSPQGLAGGHVDEQYF	13	0.00081	TCRBV20	TCRBD02-01*01	TCRBJ02-07*01	
66	CASSLVHGPGYTF	12	0.00075	TCRBV28-01*01	unresolved	TCRBJ01-02*01	
67	CSVGISKGTGNYGYTF	12	0.00075	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01	
68	SVFQDRGSSGELFF	11	0.00068	TCRBV29-01*01	TCRBD01-01*01	TCRBJ02-02*01	
69	CSVEISKGAGNYGYTF	11	0.00068	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01	
70	CSASEGVYEQYS	10	0.00062	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01	
71	CSVGDYGYTF	10	0.00062	TCRBV29-01*01	TCRBD02-01*02	TCRBJ01-02*01	
72	CASSSGPGEAF	9	0.00056	TCRBV12	TCRBD02-01*02	TCRBJ02-03*01	
73	CASSLSGTGVYEQYF	9	0.00056	TCRBV05-04*01	TCRBD01-01*01	TCRBJ02-07*01	
74	CASSLGQGEQYF	9	0.00056	TCRBV12	TCRBD01-01*01	TCRBJ02-07*01	
75	CSVFQDRGSSGELFF	8	0.00050	TCRBV20	TCRBD01-01*01	TCRBJ02-02*01	
76	CASSIAGYGEQYF	8	0.00050	TCRBV19-01	TCRBD02-01*01	TCRBJ02-07*01	
77	CSVFQDRGSSGELLF	8	0.00050	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-03*01	
78	CSAQGLTGGHVDEQFF	8	0.00050	TCRBV20	TCRBD02-01*01	TCRBJ02-01*01	
79	CSVFQDRGSGELFF	8	0.00050	TCRBV29-01*01	TCRBD01-01*01	TCRBJ02-02*01	
80	CNVGISKGTGNYGYTF	8	0.00050	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01	
81	CASSLSGTGVYEQYF	7	0.00044	TCRBV02-01*01	TCRBD01-01*01	TCRBJ02-07*01	
82	CSVKISKGTGNYGYTF	7	0.00044	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01	
83	CSASEGVYEQYL	7	0.00044	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01	
84	CASSLSGTGVYEQYF	6	0.00037	TCRBV06-05*01	TCRBD01-01*01	TCRBJ02-07*01	
85	CSVGISKVTGNYGYTF	6	0.00037	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01	
86	CSVFRDRGSSGELFF	6	0.00037	TCRBV29-01*01	TCRBD01-01*01	TCRBJ02-02*01	
87	CCVFQDRGSSGELFF	6	0.00037	TCRBV29-01*01	TCRBD01-01*01	TCRBJ02-02*01	
88	CGAQGLAGGHVDKQFF	6	0.00037	TCRBV20	TCRBD02-01*01	TCRBJ02-01*01	
89	CASSEGG*NSPLRF	6	0.00037	TCRBV02-01*01	TCRBD02-01*01	TCRBJ01-06*01	
90	CSASEGVFDQYF	6	0.00037	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01	
91	**CSVEGQGASETQYF**	**6**	**0.00037**	**TCRBV29-01*01**	**TCRBD01-01*01**	**TCRBJ02-05*01**	**X**
92	RSVEISKGTGNYGCTF	6	0.00037	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01	
93	CSAGEGVYEQYF	6	0.00037	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01	
94	CASSYSFEPAQETQYF	5	0.00031	TCRBV12	unresolved	TCRBJ02-05*01	
95	CSVEVSKGTGNYGYTF	5	0.00031	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01	
96	YSVEISEGTGNYGYTF	5	0.00031	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01	

97	CSVEISKGSGNYGYTF	5	0.00031	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
98	CSVFQGRGSSGELVF	5	0.00031	TCRBV29-01*01	TCRBD02-01*01	TCRBJ02-02*01
99	CGVFQDRGSSGELFF	5	0.00031	TCRBV29-01*01	TCRBD01-01*01	TCRBJ02-02*01
100	FSVFQDRGSSGELFF	5	0.00031	TCRBV29-01*01	TCRBD01-01*01	TCRBJ02-02*01
101	CSVFQDRGSSGELPF	5	0.00031	TCRBV29-01*01	TCRBD01-01*01	TCRBJ02-02*01
102	CSVFQDRGSSGELFS	5	0.00031	TCRBV29-01*01	TCRBD01-01*01	TCRBJ02-02*01
103	RSVFQDKGSSGELFF	5	0.00031	TCRBV29-01*01	TCRBD01-01*01	TCRBJ02-02*01
104	CSVFQDRGSSGKPFF	5	0.00031	TCRBV29-01*01	TCRBD01-01*01	TCRBJ02-02*01
105	CSVFQDRGSSGEPFF	5	0.00031	TCRBV29-01*01	TCRBD01-01*01	TCRBJ02-02*01
106	CSVQGLAGGHVEEQFF	5	0.00031	TCRBV20	TCRBD02-01*01	TCRBJ02-01*01
107	CSASEGVYVDEQFF	5	0.00031	TCRBV20	TCRBD01-01*01	TCRBJ02-01*01
108	CSAEISKGTGNYGYTF	5	0.00031	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
109	CSVGISKGTGNYGCTF	5	0.00031	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
110	CASSSGPGEAF	4	0.00025	TCRBV04-02*01	TCRBD02-01*02	TCRBJ02-03*01
111	CASSPSMGDGYTF	4	0.00025	TCRBV02-01*01	unresolved	TCRBJ01-02*01
112	CASSLVLPTSTDTQYF	4	0.00025	TCRBV05-06*01	TCRBD02-01	TCRBJ02-03*01
113	CASSLVLPTSTDRQYF	4	0.00025	TCRBV05-06*01	TCRBD02-01	TCRBJ02-03*01
114	CSVEILKETGNYGYTF	4	0.00025	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
115	CNVKISKGTGNYSYTF	4	0.00025	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
116	CSVEISKGTGNCGFPF	4	0.00025	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
117	CSVEISEGAGN*GYTF	4	0.00025	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
118	CSVEI*KGTGNYGYTF	4	0.00025	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
119	CSVEISKGTGNYGCIF	4	0.00025	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
120	CSVELSKGAGNYGYTF	4	0.00025	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
121	CASSLYRGGTQYL	4	0.00025	TCRBV05-06*01	TCRBD01-01*01	TCRBJ02-03*01
122	CASSLGRGGTQYF	4	0.00025	TCRBV05-06*01	unresolved	TCRBJ02-03*01
123	CSVFQDRGSSRELFF	4	0.00025	TCRBV29-01*01	TCRBD01-01*01	TCRBJ02-02*01
124	CSAFQDGGSSGELSF	4	0.00025	TCRBV29-01*01	TCRBD02-01*01	TCRBJ02-02*01
125	CSVFQERGSSGELFF	4	0.00025	TCRBV29-01*01	unresolved	TCRBJ02-02*01
126	CSVFQDGGSSEELFF	4	0.00025	TCRBV29-01*01	TCRBD02-01*01	TCRBJ02-02*01
127	*SAQGLAGGHVDEQFF	4	0.00025	TCRBV20	TCRBD02-01*01	TCRBJ02-01*01
128	CASSSKQVSNEQYF	4	0.00025	TCRBV12	TCRBD02-01	TCRBJ02-07*01
129	SASSEGG*NSPLLF	4	0.00025	TCRBV02-01*01	TCRBD02-01*01	TCRBJ01-06*01

130	CASNGGLGTNEQYF	4	0.00025	TCRBV02-01*01	TCRBD02-01	TCRBJ02-07*01
131	CASSGGGYNSPLHF	4	0.00025	TCRBV02-01*01	TCRBD02-01*01	TCRBJ01-06*01
132	CSAEISKGTGNNGYTF	4	0.00025	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
133	CASSLSGTGVSDQYF	4	0.00025	TCRBV12	TCRBD01-01*01	TCRBJ02-07*01
134	CSASEGVYEQCF	4	0.00025	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
135	FSASEGVYEQYF	4	0.00025	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
136	SSASEGVYEQYF	4	0.00025	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
137	CASSELAGFYEQYL	4	0.00025	TCRBV06-01*01	TCRBD02-01*01	TCRBJ02-07*01
138	CAGSSGPGEVF	4	0.00025	TCRBV05-06*01	TCRBD02-01*02	TCRBJ02
139	GASSSGPGEAF	4	0.00025	TCRBV05-06*01	TCRBD02-01*02	TCRBJ02-03*01
140	CSASEGLAGGHVDEQFF	4	0.00025	TCRBV20	TCRBD02-01*01	TCRBJ02-01*01
141	CASSLYRVSWGYTF	4	0.00025	TCRBV05-06*01	TCRBD01-01*01	TCRBJ01-02*01
142	CASSYSFEPAQGTQYF	4	0.00025	TCRBV06-06	unresolved	TCRBJ02-05*01
143	CSVEISKGTGNHGYTF	4	0.00025	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
144	CSPQGLAGGHVGEQFF	4	0.00025	TCRBV20	TCRBD02-01*01	TCRBJ02-01*01
145	CSAQGLAGGHADEQFF	4	0.00025	TCRBV20	TCRBD02-01*01	TCRBJ02-01*01
146	CSASERVYEQYF	4	0.00025	TCRBV20	TCRBD02-01	TCRBJ02-07*01
147	CSASEGAYEQYF	4	0.00025	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
148	CSASEGVCEQYF	4	0.00025	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
149	CSVEISKGTGNHGYTS	3	0.00019	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
150	CSVEISKGAGNYGCTF	3	0.00019	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
151	YSVEISKGTGNYGYAF	3	0.00019	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
152	CSVETPKGTGNYGYTS	3	0.00019	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
153	CSVGISKGTGSYGYTF	3	0.00019	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
154	CSVGASKGSGNYGYTF	3	0.00019	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
155	CGVRISKGTGNYGYTF	3	0.00019	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
156	CGVEILKGTGNYGNTF	3	0.00019	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
157	CGVGISKGTGNYGYTF	3	0.00019	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
158	CSVEISKGTGNYGCTF	3	0.00019	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
159	SSVEISKGTGNYGYTF	3	0.00019	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
160	CGVFQDRGSSGELFF	3	0.00019	TCRBV29-01*01	TCRBD01-01*01	TCRBJ02-02*01
161	CSVFQDGGSSGELFF	3	0.00019	TCRBV29-01*01	TCRBD02-01*01	TCRBJ02-02*01
162	CSVEISRGTGNYGYTF	3	0.00019	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01

163	CSVEISKGTGNYGHTF	3	0.00019	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
164	CSPQGLAGGHVDEQFF	3	0.00019	TCRBV20	TCRBD02-01*01	TCRBJ02-01*01
165	CSAQGLAGGRVDEQLF	3	0.00019	TCRBV20	TCRBD02-01*01	TCRBJ02-01*01
166	CSAQGLAGGHVNEQFF	3	0.00019	TCRBV20	TCRBD02-01*01	TCRBJ02-01*01
167	CSVGEGVYEQYF	3	0.00019	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
168	RSASEGVYGQYF	3	0.00019	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
169	RSASEGVYEQYF	3	0.00019	TCRBV20-or09_0	TCRBD01-01*01	TCRBJ02-07*01
170	CSVEIPKGTGNYGYTF	3	0.00019	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
171	CSVEISKGTRNYGYTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
172	CSVEISKGTGNYGYTV	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
173	CSVENSKGTGNYGYTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
174	CSVENSKGTGNYGYTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
175	CSVETSKGTGDYGYTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
176	CSVEISEGTGNYGYTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
177	RSVEISKGTGNYGYTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
178	CSVEISKETGNYGYTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
179	RSVEISKGTGDYGFTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
180	CSVEISKGTGDYGFTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
181	CSVEISEGTGSYGYTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
182	RSVEI*KETGNYGYTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
183	RSVETSKGTGNYGYTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
184	CSAEILKGTGNYGYTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
185	CSVRISKGTGNYGCTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
186	CSVEISKGTGNCGYTL	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
187	CSVEISKGTENYGNTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
188	CSVEISKGTGNYGCTL	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
189	CSVEISKGTGNCGYTI	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
190	CSVEISKGTGNYGCTL	2	0.00012	TCRBV29-01*01	unresolved	TCRBJ01-02*01
191	CSVEISRGTGNYGYSF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
192	CSVEISKGTGNHGYTS	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
193	CSSEISKGTGNYGYTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
194	CSVEISRGTGNYGYTV	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
195	CGVEISKGTGNYGYTL	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01

196	RSVEISKGTGDYGYTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
197	CSVEISKGAGNYGHTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
198	CSVEISEGTGNYGYTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
199	CSVEISKGTGSYGYTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
200	CSAEISKGTGNYGYTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
201	CSVEISKGTGSYGYTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
202	CSVEISKGTGNYGHTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
203	CSVEISKGTGNYGCTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
204	CSVEISEGTGIYGYTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
205	CSVEILRGTGNYGYTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
206	CSVEIS*GTGNYGYTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
207	CSVEISKGTGDYGFTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
208	CSVGISKVAGNYGYTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
209	CSVEFSKGTGNYGYTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
210	CSVEILKGTGNYGYTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
211	CSIEIPKGTGNYGYTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
212	CSVGVSKGTGNYGYTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
213	CSVEISKGTGNYGYSF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
214	CGVEISKGTGNYGYTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
215	CSVEISRGAGNYGYTF	2	0.00012	TCRBV29-01*01	unresolved	TCRBJ01-02*01
216	CSVGIPKGTGNYGYTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
217	CSVEISKGTGNCGYTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
218	YSVFQDRGSSGELFF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ02-02*01
219	RSVFQDRGSSGGLFF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ02-02*01
220	CSVFQDRGGSGEVFF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ02-02*01
221	CSVFQERGRRGELFF	2	0.00012	TCRBV29-01*01	unresolved	TCRBJ02-02*01
222	CSVFQDRGSSGEQYF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ02-07*01
223	CSVFQDRGRRGVLFF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ02-02*01
224	CSVFQDRGSSGELFS	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-03*01
225	CSIFQGRGSSGELFF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ02-02*01
226	CSVF*DRGSSGELLF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ02-02*01
227	CSVFRDRGSSGELLF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ02-02*01
228	CSVFQDRGSSGELFL	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ02-02*01

229	CSVFQGRGSSGVLFF	2	0.00012	TCRBV29-01*01	TCRBD02-01*01	TCRBJ02-02*01
230	CSVFQDRGNSGELFL	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ02-02*01
231	CSIFQDRGSSGELFL	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ02-02*01
232	CSVFQDRGSSGEMFF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ02-02*01
233	CSVFQDRGSSGELFS	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ02-02*01
234	CSVLQDRGSSGELFS	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ02-02*01
235	CSVFQDRGSSGELSF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ02-02*01
236	CGVEISKGTGNYGYTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
237	CSAEISKGTGNYGCTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
238	CSVEIPKGTGKYGYTL	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
239	CSVEIPKGTGNYGYTL	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
240	CSVEISKGTGNYGHTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
241	SSAQGLAGGHVDEQFF	2	0.00012	TCRBV20	TCRBD02-01*01	TCRBJ02-01*01
242	CGAQGLAGGHVDEQFF	2	0.00012	TCRBV20	TCRBD02-01*01	TCRBJ02-01*01
243	CSAQGLAGGHVDGQFF	2	0.00012	TCRBV20	TCRBD02-01*01	TCRBJ02-01*01
244	CSAQGLAGGRVDGQFF	2	0.00012	TCRBV20	TCRBD02-01*01	TCRBJ02-01*01
245	CSAQGQAGGHVDEQFF	2	0.00012	TCRBV20	TCRBD02-01*01	TCRBJ02-01*01
246	CTAQGLAEGHVDEQFF	2	0.00012	TCRBV20	TCRBD02-01	TCRBJ02-01*01
247	CSVEISKGTGNYGYAF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
248	CSVEISKGTGNYGCTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
249	CSTQGLAGGHVGEQFF	2	0.00012	TCRBV20	TCRBD02-01*01	TCRBJ02-01*01
250	CSPQGPTGGHVDEQFF	2	0.00012	TCRBV20	TCRBD02-01*01	TCRBJ02-01*01
251	CSLQGLAGGHVDEQLF	2	0.00012	TCRBV20	TCRBD02-01*01	TCRBJ02-01*01
252	CSAQGLAGGHVDGQYF	2	0.00012	TCRBV20	TCRBD02-01*01	TCRBJ02-07*01
253	CSAQGLAGGHVADQFF	2	0.00012	TCRBV20	TCRBD02-01*01	TCRBJ02-01*01
254	CSAQGLVGGHVDEQFF	2	0.00012	TCRBV20	TCRBD02-01*01	TCRBJ02-01*01
255	CSARGLAGGRVDEQFF	2	0.00012	TCRBV20	TCRBD02-01	TCRBJ02-01*01
256	CSVEISKGTGSYGYTF	2	0.00012	TCRBV20	TCRBD01-01*01	TCRBJ01-02*01
257	CSAQGLAGGHVDKQFF	2	0.00012	TCRBV20	TCRBD02-01*01	TCRBJ02-01*01
258	CSAQGLAGGHVDGQFS	2	0.00012	TCRBV20	TCRBD02-01*01	TCRBJ02
259	CSPQGLAGGHVDEQSF	2	0.00012	TCRBV20	TCRBD02-01*01	TCRBJ02
260	CSVEISKGTGNYGYSF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
261	CASNGGLGTNEQYF	2	0.00012	TCRBV02-01*01	TCRBD02-01	TCRBJ02-07*01

262	WASSEGGYNSPLHL	2	0.00012	TCRBV02-01*01	TCRBD02-01*01	TCRBJ01-06*01
263	CASGEGG*NSPLHF	2	0.00012	TCRBV02-01*01	TCRBD02-01	TCRBJ01-06*01
264	RSVFQGLAGGHVDEQFF	2	0.00012	TCRBV29-01*01	TCRBD02-01*01	TCRBJ02-01*01
265	CASSQDGQWTDTQYF	2	0.00012	TCRBV04-01*01	TCRBD01-01*01	TCRBJ02-03*01
266	CASPPSGVGTDTQYF	2	0.00012	TCRBV12	TCRBD02-01*02	TCRBJ02-03*01
267	CSVFQGRGLAGGHVDEQFF	2	0.00012	TCRBV29-01*01	TCRBD02-01*01	TCRBJ02-01*01
268	CASSLGQADQYF	2	0.00012	TCRBV05-04*01	TCRBD01-01*01	TCRBJ02-07*01
269	CSASEGVYKQYF	2	0.00012	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
270	YSASEGVYEQYF	2	0.00012	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
271	RSASEGVYELYF	2	0.00012	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
272	CSASKGVYGQYF	2	0.00012	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
273	CGASEGVYEQYF	2	0.00012	TCRBV20	TCRBD01-01*01	TCRBJ01-02*01
274	CSASKGVYEQYF	2	0.00012	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
275	CSASEGVYERYL	2	0.00012	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
276	CSASEGVYGQCF	2	0.00012	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
277	CSVSEGVYEQYF	2	0.00012	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
278	CSASEGVYERYF	2	0.00012	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
279	CSVSEGVYGQYF	2	0.00012	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
280	CSAHERVYEQYF	2	0.00012	TCRBV20	TCRBD02-01*02	TCRBJ02-07*01
281	CSGSEGVHEQYY	2	0.00012	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
282	CGASEGV*EQYF	2	0.00012	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
283	RSASVGVYEQYF	2	0.00012	TCRBV20	unresolved	TCRBJ02-07*01
284	CGTSEGVYEQYF	2	0.00012	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
285	CSANEGVYGQYF	2	0.00012	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
286	CSASEGVYE*YF	2	0.00012	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
287	CSASEGVYG*YF	2	0.00012	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
288	CSASEGAYEQYL	2	0.00012	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
289	CSASEGVYKQYF	2	0.00012	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
290	CCASEGVYEQYF	2	0.00012	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
291	RSASEGVYEQYF	2	0.00012	TCRBV20	TCRBD01-01*01	TCRBJ02-05*01
292	RSASEGVYEQYF	2	0.00012	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
293	CSAGEGVYEQYS	2	0.00012	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
294	YSASEGVYEQYF	2	0.00012	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01

295	CSTSEGVYEQYF	2	0.00012	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
296	CSASEGVYEKYF	2	0.00012	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
297	CSASEGVYE*YF	2	0.00012	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
298	CGASEGVYEQCF	2	0.00012	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
299	CSASEGVYERYY	2	0.00012	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
300	SSASEGVYEQYF	2	0.00012	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
301	CASSELAGFYDQYF	2	0.00012	TCRBV06-01*01	TCRBD02-01*01	TCRBJ02-07*01
302	CSVENSKGTENYGYTF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
303	CSASEGLAGGHIDEQFF	2	0.00012	TCRBV20	TCRBD02-01*01	TCRBJ02-01*01
304	CSAAQGLAGGHVDEQFF	2	0.00012	TCRBV20	TCRBD02-01*01	TCRBJ02-01*01
305	CSVLQDRGSSGEPFF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ02-02*01
306	CSVFQDGGSSGELFF	2	0.00012	TCRBV29-01*01	TCRBD02-01*01	TCRBJ02-02*01
307	CASSLSRVSWGYTF	2	0.00012	TCRBV05-06*01	unresolved	TCRBJ01-02*01
308	CASSLGRVSRGYTF	2	0.00012	TCRBV05-06*01	TCRBD01-01*01	TCRBJ01-02*01
309	CSAQGLAGVYGQYF	2	0.00012	TCRBV20	TCRBD02-01*01	TCRBJ02-07*01
310	CSVVAFGSPYGYTF	2	0.00012	TCRBV29-01*01	unresolved	TCRBJ01-02*01
311	WASSYSFEPAQETQDF	2	0.00012	TCRBV06-05*01	TCRBD01-01*01	TCRBJ02-05*01
312	CSVLQDRGSSGGLFF	2	0.00012	TCRBV29-01*01	TCRBD01-01*01	TCRBJ02-02*01

Supplementary Table 3. Sumary of T Cell Clones generated from the CSF

							MEMORY			TCC frequency among CSF cells
Vb	**cells seeded**	**well**	**CDR3**	**L-III**	**L-I**	**L-II**	**CD4**	**CD8**	**TCC**	**expressing identical Vb family**
Vb2	90	2-2	CSARAERGGPEQFF	no	no	no	no	yes	TCC 2-2	66.66%
		2-3	CSARAERGGPEQFF	no	no	no	no	yes		
		2-1	CSARVRGGGELFF	no	no	no	no	no	TCC 2-1	33.33%
Vb4	90	4.1	CSVIAFGSPYGYTF	yes	no	no	no	yes	TCC 4-1	100.00%
		4.2	CSVIAFGSPYGYTF	yes	no	no	no	yes		
		4.4	CSVIAFGSPYGYTF	yes	no	no	no	yes		
		4.10	CSVIAFGSPYGYTF	yes	no	no	no	yes		
		4.11	CSVIAFGSPYGYTF	yes	no	no	no	yes		
Vb5.2	162	5.2-6	CASSLGRVSWGYTF	yes	no	no	yes	no	TCC 5.2-1	100.00%
		5.2-7	CASSLGRVSWGYTF	yes	no	no	yes	no		
Vb7	234	7.2	CASSRRQGHTEAFF	yes	no	no	no	yes	TCC 7-2	60.00%
		7.6	CASSRRQGHTEAFF	yes	no	no	no	yes		
		7.7	CASSRRQGHTEAFF	yes	no	no	no	yes		
		7.102	CASSRRQGHTEAFF	yes	no	no	no	yes		
		7.5	CASSQALWGYEQYF	yes	no	no	no	no	TCC 7-5	20.00%
Vb8	252	8-2	CASASGTRDVGEQFF	yes	no	no	no	no	TCC 8.1-2	41.17%
		8-6	CASASGTRDVGEQFF	yes	no	no	no	no		
		8-11	CASASGTRDVGEQFF	yes	no	no	no	no		
		8-25	CASASGTRDVGEQFF	yes	no	no	no	no		
		8-4	CASASGTRDVGEQFF	yes	no	no	no	no		
		8-12	CASASGTRDVGEQFF	yes	no	no	no	no		
		8-40	CASASGTRDVGEQFF	yes	no	no	no	no		
		8-101	CASTPSGVGTDTQYF	yes	no	no	no	no	TCC 8.1-101	17.60%
		8-103	CASTPSGVGTDTQYF	yes	no	no	no	no		
		8-105	CASTPSGVGTDTQYF	yes	no	no	no	no		
		8-23	CASSVGRWXEXFF	no	no	no	no	no	TCC 8.1-23	5.88%

		8-20	CASSSYKRTGGADTQYF	no	no	no	no	no	TCC 8.1-20	5.88%
		8-27	CASSSRGNXEAFF	no	no	no	no	no	TCC 8.1-27	5.88%
		8-29	CASSFQGMNTEAFF	no	no	no	no	no	TCC 8.1-29	5.88%
		8-35	CASSPSMGDGYTF	yes	no	no	no	no	TCC 8.1-35	5.88%
		8-36	CASSFYTPEAFF	no	no	no	no	no	TCC 8.1-36	5.88%
		8-39	CASSXKSYEQSSG	no	no	no	no	no	TCC 8.1-39	5.88%
Vb13.1	198	13.12	CASSYSFEPAQETQYF	yes	no	no	no	no	TCC13.1-12	33.33%
		13.13	CASSELAGFYEQYF	yes	yes	no	no	yes	TCC13.1-13	33.33%
		13.1-2	CASSYHGQGRTGELFF	no	no	no	no	no	TCC13.1-1-2	33.33%
Vb17	270	Vb17-3	CASRAGNTEAFF	yes	no	yes	no	no	TCC 17-2	46.30%
		Vb17-40	CASRAGNTEAFF	yes	no	yes	no	no		
		Vb17-45	CASRAGNTEAFF	yes	no	yes	no	no		
		Vb17-22	CASRAGNTEAFF	yes	no	yes	no	no		
		Vb17-23	CASRAGNTEAFF	yes	no	yes	no	no		
		Vb17-25	CASRAGNTEAFF	yes	no	yes	no	no		
		Vb17-27	CASRAGNTEAFF	yes	no	yes	no	no		
		Vb17-41	CASRAGNTEAFF	yes	no	yes	no	no		
		well2	CASRAGNTEAFF	yes	no	yes	no	no		
		well5	CASRAGNTEAFF	yes	no	yes	no	no		
		well6	CASRAGNTEAFF	yes	no	yes	no	no		
		well17-1	CASRAGNTEAFF	yes	no	yes	no	no		
		well17-A	CASRAGNTEAFF	yes	no	yes	no	no		
		well17-B	CASRAGNTEAFF	yes	no	yes	no	no		
		well17-C	CASRAGNTEAFF	yes	no	yes	no	no		
		well12	CASRAGNTEAFF	yes	no	yes	no	no		
		well17-H	CASRAGNTEAFF	yes	no	yes	no	no		
		well17-K	CASRAGNTEAFF	yes	no	yes	no	no		
		well17-G	CASRAGNTEAFF	yes	no	yes	no	no		
		well17-M	CASSIWSPRSEKLFF	no	no	no	yes	no	TCC 17-17M	17.00%
		well3	CASSIWSPRSEKLFF	no	no	no	yes	no		

		well4	CASSIWSPRSEKLFF	no	no	no	yes	no		
		well7	CASSIWSPRSEKLFF	no	no	no	yes	no		
		well9	CASSIWSPRSEKLFF	no	no	no	yes	no		
		well10	CASSIWSPRSEKLFF	no	no	no	yes	no		
		well13	CASSIWSPRSEKLFF	no	no	no	yes	no		
		Vb17-31	CASSEAGWPQHF	yes	no	no	no	no	TCC 17-6	14.60%
		Vb17-4	CASSEAGWPQHF	yes	no	no	no	no		
		Vb17-10	CASSEAGWPQHF	yes	no	no	no	no		
		Vb17-21	CASSEAGWPQHF	yes	no	no	no	no		
		Vb17-28	CASSEAGWPQHF	yes	no	no	no	no		
		Vb17-29	CASSEAGWPQHF	yes	no	no	no	no		
		Vb17-33	CASAWTVSYEQYF	no	no	no	no	no	TCC 17-33	9.80%
		Vb17-8	CASAWTVSYEQYF	no	no	no	no	no		
		Vb17-26	CASAWTVSYEQYF	no	no	no	no	no		
		Vb17-39	CASAWTVSYEQXF	no	no	no	no	no		
		Vb17-37	CASSIWVNTGELFF	no	no	no	no	no	TCC 17-37	4.90%
		well17-F	CASSIWVNTGELFF	no	no	no	no	no		
		Vb17-2	CASSIAGYGEQYF	yes	no	no	no	no	TCC 17-5	2.40%
		Vb17-47	CASSLWTGDILKPQHF	no	no	no	no	no	TCC 17-47	2.40%
		Vb17-41	CASSTLGGKYQPQHF	yes	no	yes	no	no	TCC 17-1	2.40%
Vb21	450	Vb21-4	CASSGRGPSYGYTF	yes	yes	no	no	no	TCC 21-1	94.30%
		Vb21-5	CASSGRGPSYGYTF	yes	0	no	no	no		
		Vb21-6	CASSGRGPSYGYTF	yes	yes	no	no	no		
		Vb21-9	CASSGRGPSYGYTF	yes	yes	no	no	no		
		Vb21-7	CASSGRGPSYGYTF	yes	yes	no	no	no		
		Vb21-13	CASSGRGPSYGYTF	yes	yes	no	no	no		
		Vb21-1	CASSGRGPSYGYTF	yes	yes	no	no	no		
		Vb21-2	CASSGRGPSYGYTF	yes	yes	no	no	no		
		Vb21-3	CASSGRGPSYGYTF	yes	yes	no	no	no		
		well 21.1	CASSGRGPSYGYTF	yes	yes	no	no	no		
		well 21.2	CASSGRGPSYGYTF	yes	yes	no	no	no		
		well 21.3	CASSGRGPSYGYTF	yes	yes	no	no	no		
		well 21.4	CASSGRGPSYGYTF	yes	yes	no	no	no		

		well 21.5	CASSGRGPSYGYTF	yes	yes	no	no	no		
		well 21.6	CASSGRGPSYGYTF	yes	yes	no	no	no		
		well 21.7	CASSGRGPSYGYTF	yes	yes	no	no	no		
		well 21.8	CASSGRGPSYGYTF	yes	yes	no	no	no		
		well 21.9	CASSGRGPSYGYTF	yes	yes	no	no	no		
		well 21.10	CASSGRGPSYGYTF	yes	yes	no	no	no		
		well 21.11	CASSGRGPSYGYTF	yes	yes	no	no	no		
		well 21.12	CASSGRGPSYGYTF	yes	yes	no	no	no		
		well 21.13	CASSGRGPSYGYTF	yes	yes	no	no	no		
		well 21.14	CASSGRGPSYGYTF	yes	yes	no	no	no		
		well 21.15	CASSGRGPSYGYTF	yes	yes	no	no	no		
		well 21.16	CASSGRGPSYGYTF	yes	yes	no	no	no		
		well 21.17	CASSGRGPSYGYTF	yes	yes	no	no	no		
		well 21.18	CASSGRGPSYGYTF	yes	yes	no	no	no		
		well 21.19	CASSGRGPSYGYTF	yes	yes	no	no	no		
		well 21.21	CASSGRGPSYGYTF	yes	yes	no	no	no		
		well 21.22	CASSGRGPSYGYTF	yes	yes	no	no	no		
		well 21.23	CASSGRGPSYGYTF	yes	yes	no	no	no		
		well 21.24	CASSGRGPSYGYTF	yes	yes	no	no	no		
		21-2	CASSGRGPSYGYTF	yes	yes	no	no	no		
		Vb'21-10	CASSLIVRDTQYF	no	no	no	no	no	TCC 21-2	5.70%
		Vb21-11	CASSLIVRDTQYF	no	no	no	no	no		
Vb22	228	well6	CASKDGTGRLYEQYF	yes	no	no	no	no	TCC 22-1	70.00%
		well7	CASKDGTGRLYEQYF	yes	no	no	no	no		
		well12	CASKDGTGRLYEQYF	yes	no	no	no	no		
		well13	CASKDGTGRLYEQYF	yes	no	no	no	no		
		22-1	CASKDGTGRLYEQYF	yes	no	no	no	no		
		22-2	CASKDGTGRLYEQYF	yes	no	no	no	no		
		22-3	CASKDGTGRLYEQYF	yes	no	no	no	no		
		well 12	CASEQGYILAHEQYF	yes	no	no	no	no	TCC 22-2	10.00%
		22-4	CASSETRYSNQPQHF	no	no	no	no	no	TCC 22-4	10.00%
		22-5	CASSEAGMGSFHF	no	no	no	no	no	TCC 22-5	10.00%
Vb3	90	3-1	CASSSLGYGYTF	no	no	no	no	no	TCC 3-1	71.40%

		3-3	CASSSLGYGYTF	no	no	no	no	no		
		3-4	CASSSLGYGYXF	no	no	no	no	no		
		3-5	CASSSLGYGYTF	no	no	no	no	no		
		3-6	CASSSLGYGYTF	no	no	no	no	no		
		3-7	CASSSLGYGYTF	no	no	no	no	no		
		3-8	CASSSLGYGYTF	no	no	no	no	no		
		3-9	CASSSLGYGYTF	no	no	no	no	no		
		3-13	CASSSLGYGYTF	no	no	no	no	no		
		3-14	CASSSLGYGYTF	no	no	no	no	no		
		3-11	CASSSLGDGYTF	no	no	no	no	no	TCC 3-11	7.10%
		3-10	CASTPGGDPGELFF	no	no	no	no	no	TCC 3-10	7.10%
		3-12	CASSSXRLWLHLRF	no	no	no	no	no	TCC 3-12	7.10%
		3-15	XXXXXGGYTGELFF	no	no	no	no	no	TCC 3-15	7.10%
Vb12	90	12-6	CAISEGQVQETQYF	no	no	no	no	no	TCC 12-6	57.14%
		12-8	CAISEGQVQETQYF	no	no	no	no	no		
		12-21	CAISEGQVQETQYF	no	no	no	no	no		
		12-24	CAISEGQVQETQYF	no	no	no	no	no		
		12-2	CAITSGLMNTEAFF	no	no	no	no	no	TCC 12-2	14.28%
		12-14	CAISDKSEGGYTF	no	no	no	no	no	TCC 12-14	14.28%
		12-30	CAGAAGTGANVLTF	no	no	no	no	no	TCC 12-30	14.28%

X are unknown amino acids. In sequences with unknown amino acids only the known part of the sequences has been allingned in order to identify T cell clones.
Since not matched sequences have been identified in any lesion, the T cell clones have not been fully sequenced.

Supplementary Table 4. Silent Nucleotide exchanges in the CDR3 sequence

RANK	COUNTS	CDR3 Aminoacid sequence	CDR3 Nucelotide sequence	synonymous substitutions	V	D	J
1	492257	CSASEGVYEQYF	**TGCAGTGCTAGTGAGGGGGTTTACGAGCAGTACTTC**	GCT = A AGT = S GAG = E GTT = V TAC = Y TTC = F	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
	4	CSASEGVYEQYF	TGCAGTGCTAGCGAGGGGGTTTACGAGCAGTACTTC	GCT = A AGC = S GAG = E GTT = V TAC = Y TTC = F	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
	3	CSASEGVYEQYF	TGCAGTGCTAGTGAGGGGGTCTACGAGCAGTACTTT	GCT = A AGT = S GAG = E GTC = V TAC = Y TTT = F	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
	3	CSASEGVYEQYF	TGCAGTGCTAGTGAGGGGGTTTATGAGCAGTACTTC	GCT = A AGT = S GAG = E GTT = V TAT = Y TTC = F	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
	3	CSASEGVYEQYF	TGCAGTGCTAGTGAAGGGGGTCTACGAGCAGTACTTC	GCT = A AGT = S GAA = E GTC = V TAC = Y TTC = F	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
	2	CSASEGVYEQYF	TGCAGTGCCAGTGAGGGGGTCTACGAGCAGTACTTC	GCC = A AGT = S GAG = E GTC = V TAC = Y TTC = F	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01
3	251732	CSVEISKGTGNYGYTF	**TGCAGCGTTGAAATTTCGAAGGGGACAGGGAACTATGGCTACACCTTC**	GTT = V ATT = I TCG = S ACA = T TAT = Y	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
	2	CSVEISKGTGNYGYTF	TGCAGCGTTGAGATTTCGAAGGGGACAGGGAACTACGGCTACACCTTC	GTT = V ATT = I TCG = S ACA = T TAC = Y	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
	2	CSVEISKGTGNYGYTF	TGCAGCGTTGAAATCTCGAAGGGGACGGGGAACTATGGCTACACCTTC	GTT = V ATC = I TCG = S ACG = T TAT = Y	TCRBV29-01*01	unresolved	TCRBJ01-02*01
	2	CSVEISKGTGNYGYTF	TGCAGCGTTGAAATTTCAAAGGGGACAGGGAACTATGGCTACACCTTC	GTT = V ATT = I TCA = S ACA = T TAT = Y	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
	2	CSVEISKGTGNYGYTF	TGCAGCGTCGAAATTTCGAAGGGGACAGGGAACTATGGCTACACCTTC	GTC = V ATT = I TCG = S ACA = T TAT = Y	TCRBV29-01*01	TCRBD01-01*01	TCRBJ01-02*01
4	169280	CSVFQDRGSSGELFF	**TGCAGCGTTTTCCAGGACAGGGGAAGCAGCGGGGAGCTGTTTTTT**	CTG = L	TCRBV29-01*01	TCRBD01-01*01	TCRBJ02-02*01
	2	CSVFQDRGSSGELFF	TGCAGCGTTTTCCAGGACAGGGGAAGCAGCGGGGAGCTTTTTTTT	CTT = L	TCRBV29-01*01	TCRBD01-01*01	TCRBJ02-02*01
5	111143	CSAQGLAGGHVDEQFF	**TGCAGTGCTCAGGGACTAGCGGGGGGGCACGTAGATGAGCAGTTCTTC**	CAC = H TTC = F TTC = F	TCRBV20	TCRBD02-01*01	TCRBJ02-01*01
	2	CSAQGLAGGHVDEQFF	TGCAGTGCTCAGGGACTAGCGGGGGGGCATGTAGATGAGCAGTTCTTC	CAT = H TTC = F TTC = F	TCRBV20	TCRBD02-01*01	TCRBJ02-01*01
	3	CSAQGLAGGHVDEQFF	TGCAGTGCTCAGGGACTAGCGGGGGGGCACGTAGACGAGCAGTTCTTT	CAC = H TTC = F TTT = F	TCRBV20	TCRBD02-01*01	TCRBJ02
	2	CSAQGLAGGHVDEQFF	TGCAGTGCTCAGGGACTAGCGGGGGGGCACGTAGACGAGCAGTTTTTC	CAC = H TTT = F TTC = F	TCRBV20	TCRBD02-01*01	TCRBJ02

Silent nucleotide exchanges are shown in red. Codons containing silent nucleotide exchanges are underlined.

Supplementary Table 5. Comparison of TCRBV CDR1 and CDR2 Aminoacid sequences from TCCs sharing identical CDR3 sequences

# CDR3 Shared		COUNTS		TCRBV	CDR1	CDR2
3	493497	8	111505	TCRBV20	D F **Q** A **T** T	S **N** E **G** **S** K **A**
	395	169488	31	TCRBV29-01*01	S **Q** V **T** M	A **N** Q **G** **S** E **A**
3	24987	13291	8219	TCRBV05-06*01	**S** **G** **H** D **T**	**Y** **Y** E **E** **E** **E**
	143	94	83	TCRBV05-04*01	**S** **G** **H** N **T**	**Y** **Y** R **E** **E** **E**
2	6748	2394		TCRBV12-04	**S** **G** **H** **D** Y	F N N N V P
	4	4		TCRBV05-06*01	**S** **G** **H** **D** T	Y Y E E E E
2	25295	4		TCRBV02-01*01	**S** N **H** L **Y**	**F** Y **N** **N** E I
	25	4790		TCRBV12-04	**S** G **H** D **Y**	**F** N **N** **N** V P
1	25076			TCRBV05-04*01	**S** **G** **H** **N** T	Y Y R E E E
	9			TCRBV12-03	**S** **G** **H** **N** S	F N N N V P
1	6936			TCRBV06-01*01	M N **H** **N** **S**	S A S E G T
	18			TCRBV12-03	S G **H** **N** **S**	F N N N V P
1	5200			TCRBV06-05*01	M N **H** E **Y**	S V G A G I
	5			TCRBV12-04	S G **H** D **Y**	F N N N V P
1	356183			TCRBV05-06*01	**S** **G** **H** D **T**	**Y** **Y** E **E** **E** **E**
	2070			TCRBV05-04*01	**S** **G** **H** N **T**	**Y** **Y** R **E** **E** **E**
	9			TCRBV12-05	L **G** **H** N **T**	F R N R A P
	4			TCRBV04-02*01	L **G** **H** N A	**Y** N F K **E** Q
1	252110			TCRBV29-01*01	S **Q** V **T** M	A **N** Q **G** **S** **E** **A**
	29			TCRBV20	D F **Q** A **T** T	S **N** E **G** **S** K **A**
	20			TCRBV05-06*01	S G H D **T**	Y Y E E E **E**
1	81616			TCRBV12-03	**S** **G** **H** **N** S	F N N N V P
	17			TCRBV06-01*01	M N **H** **N** **S**	S A S E G T
	9			TCRBV05-04*01	**S** **G** **H** **N** T	Y Y R E E E
	7			TCRBV02-01*01	**S** N **H** L Y	**F** Y **N** **N** E I
	6			TCRBV06-05*01	M N **H** E Y	S V G A G I

Identical aminoacids are shown in bold red and conservative substitutions in normal red. In grey are shown the T cell clones for which the specific allele is unknown. In these cases we have chosen the allele with CDR1 and CDR2 sequences more similar to that express by the other T cell clones sharing the CDR3 sequence.

Supplementary Table 6. Complete TCR sequencing in Lesion I and II

RANK	CDR3	COUNTS	FREQUENCY (%)	V	D	J	Also present in: L-II	Also present in: L-III
Lesion I								
1	**CASNPGTAYSYEQYF**	**264**	**5.51724138**	**TCRBV06-01*01**	**TCRBD01-01*01**	**TCRBJ02-07*01**	**X**	**X**
2	CASSQGTGGIGNSPLHF	247	5.16196447	TCRBV06	TCRBD01-01*01	TCRBJ01-06*01		
3	CASSSAGYNTGELFF	164	3.42737722	TCRBV06-06	unresolved	TCRBJ02-02*01		
4	CASSIQEWSTEAFF	158	3.30198537	TCRBV19-01	unresolved	TCRBJ01-01*01		
5	CAIRTGSGDTEAFF	151	3.15569488	TCRBV10-03*01	TCRBD01-01*01	TCRBJ01-01*01		
6	CAISEAGGRDTQYF	132	2.75862069	TCRBV10-03*01	TCRBD02-01*01	TCRBJ02-03*01		
7	CASSRGDRGRNTEAFF	130	2.71682341	TCRBV05-01*01	TCRBD01-01*01	TCRBJ01-01*01		
8	CASRPTRVDTGELFF	125	2.6123302	TCRBV28-01*01	TCRBD02-01	TCRBJ02-02*01		
9	CASSLFTGDEAFF	107	2.23615465	TCRBV27-01*01	TCRBD01-01*01	TCRBJ01-01*01		
10	CASSWTNTEAFF	103	2.15256008	TCRBV10-02*01	unresolved	TCRBJ01-01*01		
11	CASSPDDTQYF	101	2.1107628	TCRBV18-01*01	unresolved	TCRBJ02-03*01		
12	CAIHQSGTSVSYEQYF	98	2.04806688	TCRBV10-03*01	TCRBD02-01	TCRBJ02-07*01		
13	CASSLLGEWNNEQFF	95	1.98537095	TCRBV28-01*01	unresolved	TCRBJ02-01*01		
14	CASSESGYGYTF	93	1.94357367	TCRBV19-01	TCRBD01-01*01	TCRBJ01-02*01		
15	CASSLFDRGGNEKLFF	91	1.90177638	TCRBV28-01*01	TCRBD02-01*02	TCRBJ01-04*01		
16	**CASSLYRGGTQYF**	**90**	**1.88087774**	**TCRBV05-06*01**	**TCRBD01-01*01**	**TCRBJ02-03*01**		**X**
17	CASSFPSTDTQYF	90	1.88087774	TCRBV05-06*01	TCRBD02-01*02	TCRBJ02-03*01		
18	CASSYSGGYNEQFF	68	1.42110763	TCRBV06	TCRBD02-01*01	TCRBJ02-01*01		
19	CASTLGQGYEQYF	66	1.37931034	TCRBV06-05*01	TCRBD01-01*01	TCRBJ02-07*01		
20	**CASSPQDRGLRDGYTF**	**64**	**1.33751306**	**TCRBV27-01*01**	**TCRBD01-01*01**	**TCRBJ01-02*01**	**X**	
21	CASSPRGQGYYEQYF	62	1.29571578	TCRBV13-01*01	TCRBD01-01*01	TCRBJ02-07*01		
22	CASSPPGGGADNEQFF	62	1.29571578	TCRBV18-01*01	unresolved	TCRBJ02-01*01		
23	**CASSQVQAIDTQYF**	**59**	**1.23301985**	**TCRBV04-01*01**	**TCRBD02-01**	**TCRBJ02-03*01**	**X**	**X**
24	CASSLISRDWLFF	55	1.14942529	TCRBV11-02*02	TCRBD02-01	TCRBJ02-02*01		
25	CASSATSGSWDEQFF	55	1.14942529	TCRBV06-01*01	TCRBD02-01*02	TCRBJ02-01*01		

26	CASSFPDSLYEQYF	54	1.12852665	TCRBV28-01*01	TCRBD01-01*01	TCRBJ02-07*01		
27	CASSLYRTITGELFF	53	1.107628	TCRBV05-01*01	TCRBD01-01*01	TCRBJ02-02*01		
28	CASSYSNAPAGGQTGELFF	52	1.08672936	TCRBV06-07*01	TCRBD02-01*01	TCRBJ02-02*01		
29	CASRGSPAGADTQYF	49	1.02403344	TCRBV05-04*01	unresolved	TCRBJ02-03*01		
30	CASSLEAGEETQYF	49	1.02403344	TCRBV05-01*01	TCRBD01-01*01	TCRBJ02-05*01		
31	CASRISGGETQYF	48	1.0031348	TCRBV11-02*02	TCRBD02-01*01	TCRBJ02-05*01		
32	**CASSQSAATGNYEQYF**	**48**	**1.0031348**	**TCRBV07-06*01**	**TCRBD01-01*01**	**TCRBJ02-07*01**	**X**	
33	**CSVFQDRGSSGELFF**	**44**	**0.91954023**	**TCRBV29-01*01**	**TCRBD01-01*01**	**TCRBJ02-02*01**	**X**	**X**
34	CASSSGLADIEQFF	42	0.87774295	TCRBV13-01*01	TCRBD02-01	TCRBJ02-01*01		
35	CASFGLERDEQYF	41	0.85684431	TCRBV19-01	TCRBD02-01	TCRBJ02-07*01		
36	CASSHNTGGNQPQHF	41	0.85684431	TCRBV06-05*01	TCRBD01-01*01	TCRBJ01-05*01		
37	**CASSLSGTGVYEQYF**	**40**	**0.83594566**	**TCRBV12**	**TCRBD01-01*01**	**TCRBJ02-07*01**		**X**
38	CASSQFPGQALFQSSGNTIYF	39	0.81504702	TCRBV18-01*01	TCRBD01-01*01	TCRBJ01-03*01		
39	CSARESSHSGANVLTF	36	0.7523511	TCRBV20	TCRBD02-01	TCRBJ02-06*01		
40	**CSAGTIDLNTEAFF**	**36**	**0.7523511**	**TCRBV29-01*01**	**unresolved**	**TCRBJ01-01*01**		**X**
41	CASSPSSGSQGEQYF	34	0.71055381	TCRBV05-01*01	TCRBD02-01*02	TCRBJ02-07*01		
42	CAGSEYSNQPQHF	34	0.71055381	TCRBV28-01*01	unresolved	TCRBJ01-05*01		
43	**CASSFAKQGGDHEQYF**	**33**	**0.68965517**	**TCRBV07-06*01**	**TCRBD01-01*01**	**TCRBJ02-07*01**	**X**	
44	CAGSESGYGYTF	33	0.68965517	TCRBV19-01	TCRBD01-01*01	TCRBJ01-02*01		
45	CASSESMGSETQYF	32	0.66875653	TCRBV07-09	TCRBD01-01*01	TCRBJ02-05*01		
46	CASSFGTGTPESMRNYGYTF	32	0.66875653	TCRBV05-01*01	TCRBD01-01*01	TCRBJ01-02*01		
47	CASSVTGIPASNEKLFF	31	0.64785789	TCRBV09-01	TCRBD02-01*02	TCRBJ01-04*01		
48	CASSFRGSGYEQYF	31	0.64785789	TCRBV28-01*01	TCRBD02-01*02	TCRBJ02-07*01		
49	CASSPLDGGLSYEQYF	30	0.62695925	TCRBV27-01*01	TCRBD02-01*01	TCRBJ02-07*01		
50	CASSIGTYNEQFF	28	0.58516196	TCRBV19-01	unresolved	TCRBJ02-01*01		
51	**CASGDYEQYF**	**27**	**0.56426332**	**TCRBV28-01*01**	**unresolved**	**TCRBJ02-07*01**	**X**	
52	CSATGTYYGYTF	26	0.54336468	TCRBV20	TCRBD01-01*01	TCRBJ01-02*01		
53	CASSQDRVTGYTF	25	0.52246604	TCRBV19-01	TCRBD01-01*01	TCRBJ01-02*01		
54	CASSHRNSGGDNEQFF	25	0.52246604	TCRBV07-06*01	TCRBD02-01*01	TCRBJ02-01*01		
55	CSAISGVAGPNEQFF	23	0.48066876	TCRBV20	TCRBD02-01	TCRBJ02-01*01		

56	CASSQDFLPGAYEQYF	23	0.48066876	TCRBV14-01*01	TCRBD01-01*01	TCRBJ02-07*01	
57	CASSPGLSGANVLTF	22	0.45977011	TCRBV13-01*01	TCRBD01-01*01	TCRBJ02-06*01	
58	CASSPGPSGNTQYF	22	0.45977011	TCRBV05-04*01	TCRBD02-01	TCRBJ02-03*01	
59	CASSLGSFEQYF	21	0.43887147	TCRBV11-02*02	unresolved	TCRBJ02-07*01	
60	CAAADETGAPSTDTQYF	21	0.43887147	TCRBV23-01*01	TCRBD01-01*01	TCRBJ02-03*01	
61	CSSPGRSEAFF	18	0.37617555	TCRBV29-01*01	unresolved	TCRBJ01-01*01	
62	CASSSSSPGTGAGYEQYF	18	0.37617555	TCRBV07-09	TCRBD01-01*01	TCRBJ02-07*01	
63	CAWGDSPNTEAFF	17	0.35527691	TCRBV30-01*01	TCRBD01-01*01	TCRBJ01-01*01	
64	CASSPLPLGGENTEAFF	17	0.35527691	TCRBV18-01*01	TCRBD02-01*01	TCRBJ01-01*01	
65	**CSVEISKGTGNYGYTF**	**16**	**0.33437827**	**TCRBV29-01*01**	**TCRBD01-01*01**	**TCRBJ01-02*01**	**X**
66	**CSAQGLAGGHVDEQFF**	**16**	**0.33437827**	**TCRBV20**	**TCRBD02-01*01**	**TCRBJ02-01*01**	**X**
67	CASSVGPGSSYEQYF	15	0.31347962	TCRBV09-01	TCRBD01-01*01	TCRBJ02-07*01	
68	CASSPYTGELFF	15	0.31347962	TCRBV07-02*01	TCRBD02-01	TCRBJ02-02*01	
69	CASSNSIAGGTNQPQHF	15	0.31347962	TCRBV06	TCRBD01-01*01	TCRBJ01-05*01	
70	CASSYRQPFYNEQFF	14	0.29258098	TCRBV06-05*01	TCRBD01-01*01	TCRBJ02-01*01	
71	CASSSLAGGPYEQYF	13	0.27168234	TCRBV07-02*01	TCRBD02-01*01	TCRBJ02-07*01	
72	CAWSVRRGGNQPQHF	12	0.2507837	TCRBV30-01*01	TCRBD02-01	TCRBJ01-05*01	
73	CASSEMSFRNVDYGYTF	12	0.2507837	TCRBV11-02*02	unresolved	TCRBJ01-02*01	
74	CASSPRPEGPEQYF	12	0.2507837	TCRBV14-01*01	unresolved	TCRBJ02-07*01	
75	CASSPALLGPTDTQYF	12	0.2507837	TCRBV28-01*01	unresolved	TCRBJ02-03*01	
76	CASSPRGYQETQYF	11	0.22988506	TCRBV07-02*01	TCRBD02-01*01	TCRBJ02-05*01	
77	CAWSGGYEQYF	11	0.22988506	TCRBV30-01*01	unresolved	TCRBJ02-07*01	
78	CSAKSTGMEQPQHF	11	0.22988506	TCRBV20	TCRBD01-01*01	TCRBJ01-05*01	
79	**CASSELAGFYEQYF**	**11**	**0.22759437**	**TCRBV06-01*01**	**TCRBD02-01*01**	**TCRBJ02-07*01**	**X**
80	**CSASEGVYEQYF**	**10**	**0.20898642**	**TCRBV20**	**TCRBD01-01*01**	**TCRBJ02-07*01**	**X**
81	CAKRGAGVEAFF	9	0.18808777	TCRBV23-01*01	unresolved	TCRBJ01-01*01	
82	**CASSSSAVAGRRVYEQYF**	**9**	**0.18808777**	**TCRBV07-09**	**TCRBD02-01*01**	**TCRBJ02-07*01**	**X**
83	CASSFSLIRDSKETQYF	8	0.16718913	TCRBV07-06*01	TCRBD01-01*01	TCRBJ02-05*01	
84	**CASTVSNSPLHF**	**8**	**0.16718913**	**TCRBV13-01*01**	**TCRBD02-01**	**TCRBJ01-06*01**	**X**
85	CSARGAGGLGEQYF	8	0.16718913	TCRBV20	TCRBD01-01*01	TCRBJ02-07*01	

86	CASSPSGDGYNEQFF	7	0.14629049	TCRBV07-09	TCRBD02-01*01	TCRBJ02-01*01		
87	**CASSGRGPSYGYTF**	**6**	**0.1276608**	**TCRBV11-02*02**	**TCRBD01-01*01**	**TCRBJ01-02*01**		**X**
88	CASSVDGRALDTQYF	6	0.12539185	TCRBV09-01	TCRBD02-01*02	TCRBJ02-03*01		
89	CASSLLAGGHNEQFF	6	0.12539185	TCRBV07-08*01	TCRBD02-01*01	TCRBJ02-01*01		
90	CASSFLRGQGEFF	5	0.10449321	TCRBV07-08*01	TCRBD01-01*01	TCRBJ02-01*01		
91	CASFGLERDEQYF	3	0.06269592	TCRBV19-01	unresolved	TCRBJ02-05*01		
92	CASSEGDRHSVDTEAFF	3	0.06269592	TCRBV03	TCRBD02-01*02	TCRBJ01-01*01		
93	CASSPALLGPTDTQYF	3	0.06269592	TCRBV28-01*01	unresolved	TCRBJ02-03*01		
94	CSGSGPNAQYF	2	0.04179728	TCRBV20-01*01	unresolved	TCRBJ02-05*01		
95	CASSPRGYQETQYF	2	0.04179728	TCRBV07-02*01	TCRBD02-01*01	TCRBJ02-05*01		
96	CASSSSAVAGRRVYEQYF	2	0.04179728	TCRBV07-09	TCRBD02-01*01	TCRBJ02-05*01		
97	CSARGAGGLGEQYF	2	0.04179728	TCRBV20	TCRBD01-01*01	TCRBJ02-05*01		
98	CASSPLDGGLSYEQYF	2	0.04179728	TCRBV27-01*01	TCRBD02-01*01	TCRBJ02-05*01		
99	CAWSVRLSNSPLHF	2	0.04179728	TCRBV30-01*01	TCRBD02-01*02	TCRBJ01-06*01		

Lesion II

							Also present in: L-I	L-III
1	**CASRAGNTEAFF**	**4533**	**37.02611971**	**TCRBV19-01**	**TCRBD01-01*01**	**TCRBJ01-01*01**		**X**
2	**CASSTLGGKYQPQHF**	**2348**	**19.22541554**	**TCRBV19-01**	**unresolved**	**TCRBJ01-05*01**		**X**
3	CATSDEGAATNEKLFF	964	7.89322853	TCRBV24	TCRBD01-01*01	TCRBJ01-04*01		
4	**CASNPGTAYSYEQYF**	**473**	**3.8729223**	**TCRBV06-01*01**	**TCRBD01-01*01**	**TCRBJ02-07*01**	**X**	**X**
5	CASSPDRLKGYGYTF	283	2.31720298	TCRBV12	TCRBD01-01*01	TCRBJ01-02*01		
6	CAIMGGTSGANVLTF	252	2.06337509	TCRBV10-03*01	TCRBD02-01*01	TCRBJ02-06*01		
7	CASSHGTGNQPQHF	216	1.76860722	TCRBV06-05*01	TCRBD01-01*01	TCRBJ01-05*01		
8	CAIRAGTGAFF	213	1.74404323	TCRBV10-03*01	unresolved	TCRBJ01-01*01		
9	CASSVTQNYGYTF	180	1.47383935	TCRBV06-01*01	TCRBD01-01*01	TCRBJ01-02*01		
10	CASKLANTEAFF	162	1.32645542	TCRBV07-09	TCRBD02-01	TCRBJ01-01*01		
11	**CASSQSAATGNYEQYF**	**153**	**1.25276345**	**TCRBV07-06*01**	**TCRBD01-01*01**	**TCRBJ02-07*01**	**X**	
12	CASTARVYEQYF	132	1.08081552	TCRBV02-01*01	unresolved	TCRBJ02-07*01		

13	CASSSTGYSNQPQHF	118	0.96618357	TCRBV06-06	TCRBD01-01*01	TCRBJ01-05*01		
14	CASSAQGGIGTIYEQYF	106	0.86792762	TCRBV07-08*01	TCRBD01-01*01	TCRBJ02-07*01		
15	CASVGSYEQYF	98	0.80242365	TCRBV07-09	unresolved	TCRBJ02-07*01		
16	CASSPPTADTQYF	98	0.80242365	TCRBV28-01*01	unresolved	TCRBJ02-03*01		
17	CASSPHLRIPSGNTIYF	89	0.72873168	TCRBV18-01*01	unresolved	TCRBJ01-03*01		
18	CASSQQHTTGNTGELFF	88	0.72054368	TCRBV04-02*01	TCRBD01-01*01	TCRBJ02-02*01		
19	CASSFTGRAYQPQHF	83	0.6796037	TCRBV28-01*01	unresolved	TCRBJ01-05*01		
20	CASSVGVSVQETQ*F	81	0.66322771	TCRBV09-01	TCRBD02-01	TCRBJ02		
21	CATSEQGARNNEQFF	80	0.65503971	TCRBV24	TCRBD01-01*01	TCRBJ02-01*01		
22	CASSPIDRWEYQETQYF	78	0.63866372	TCRBV12	TCRBD01-01*01	TCRBJ02-05*01		
23	CASSPNVLLTEAFF	77	0.63047572	TCRBV27-01*01	unresolved	TCRBJ01-01*01		
24	CASRGTGGTYEQYF	74	0.60591173	TCRBV11-02*02	TCRBD01-01*01	TCRBJ02-07*01		
25	CASSDAGYGEQFF	70	0.57315975	TCRBV06-04	TCRBD02-01	TCRBJ02-01*01		
26	**CASSPQDRGLRDGYTF**	**70**	**0.57315975**	**TCRBV27-01*01**	**TCRBD01-01*01**	**TCRBJ01-02*01**	**X**	
27	**CASTVSNSPLHF**	**63**	**0.51584377**	**TCRBV13-01*01**	**TCRBD02-01**	**TCRBJ01-06*01**	**X**	
28	**CSVFQDRGSSGELFF**	**61**	**0.49946778**	**TCRBV29-01*01**	**TCRBD01-01*01**	**TCRBJ02-02*01**	**X**	**X**
29	CASKGSPYEQYF	57	0.46671579	TCRBV25-01*01	unresolved	TCRBJ02-07*01		
30	CASSLGTGGRSEAFF	56	0.4585278	TCRBV18-01*01	TCRBD01-01*01	TCRBJ01-01*01		
31	CASSLGQNYGYTF	55	0.4503398	TCRBV07-08*01	TCRBD01-01*01	TCRBJ01-02*01		
32	**CASSSSAVAGRRVYEQYF**	**52**	**0.42577581**	**TCRBV07-09**	**TCRBD02-01*01**	**TCRBJ02-07*01**	**X**	
33	**CASSQVQAIDTQYF**	**49**	**0.40121182**	**TCRBV04-01*01**	**TCRBD02-01**	**TCRBJ02-03*01**	**X**	**X**
34	CASSIAGNTGELFF	49	0.40121182	TCRBV19-01	TCRBD02-01	TCRBJ02-02*01		
35	**CASGDYEQYF**	**49**	**0.40121182**	**TCRBV28-01*01**	**unresolved**	**TCRBJ02-07*01**	**X**	
36	CASINRSSGRFWSETQYF	44	0.36027184	TCRBV28-01*01	TCRBD02-01*02	TCRBJ02-05*01		
37	**CSVEGQGASETQYF**	**42**	**0.34389585**	**TCRBV29-01*01**	**TCRBD01-01*01**	**TCRBJ02-05*01**		**X**
38	CASSLMEGTSGNTDTQYF	39	0.31933186	TCRBV28-01*01	TCRBD02-01*02	TCRBJ02-03*01		
39	CASREGNTEAFF	37	0.30295587	TCRBV19-01	unresolved	TCRBJ01-01*01		
40	CSVEEEF	36	0.29476787	TCRBV29-01*01	TCRBD02-01*02	TCRBJ01-02*01		
41	CASSSIAESTDTQYF	35	0.28657987	TCRBV18-01*01	TCRBD02-01	TCRBJ02-03*01		
42	CSVEDKQEGYEKLFF	34	0.27839188	TCRBV29-01*01	TCRBD02-01*02	TCRBJ01-04*01		

43	CASNPTYNEQFF	31	0.25382789	TCRBV28-01*01	unresolved	TCRBJ02-01*01	
44	CASSLREFAEAFF	29	0.2374519	TCRBV11-02*02	TCRBD02-01*02	TCRBJ01-01*01	
45	CASSQERGQPQHF	23	0.18832392	TCRBV04-01*01	TCRBD01-01*01	TCRBJ01-05*01	
46	CSVEGTPGTQYF	23	0.18832392	TCRBV29-01*01	unresolved	TCRBJ02-05*01	
47	CASDRDPGNTIYF	18	0.14738394	TCRBV07-04*01	TCRBD01-01*01	TCRBJ01-03*01	
48	CSAHRGHNSPLHF	17	0.13919594	TCRBV20	TCRBD01-01*01	TCRBJ01-06*01	
49	CSVRGGDSYEQYF	17	0.13919594	TCRBV29-01*01	TCRBD02-01*01	TCRBJ02-07*01	
50	CASTARVYEQYF	13	0.10644395	TCRBV02-01*01	unresolved	TCRBJ02-05*01	
51	CASKGSPYEQYF	13	0.10644395	TCRBV25-01*01	unresolved	TCRBJ02-07*01	
52	CASSLREFAEAFF	12	0.09825596	TCRBV11-02*02	TCRBD02-01*02	TCRBJ01-01*01	
53	CASNHAWVSNQPQHF	7	0.05731597	TCRBV23-01*01	unresolved	TCRBJ01-05*01	
54	CASSFRLAGPYEQYF	5	0.04093998	TCRBV09-01	TCRBD02-01*02	TCRBJ02-07*01	
55	CASSLGGGRANEQFF	3	0.02456399	TCRBV05-01*01	TCRBD02-01*02	TCRBJ02-01*01	
56	**CASSFAKQGGDHEQYF**	**3**	**0.02456399**	**TCRBV07-06*01**	**TCRBD01-01*01**	**TCRBJ02-07*01**	**X**
57	CASGDYEQYF	3	0.02456399	TCRBV28-01*01	TCRBD02-01	TCRBJ02-05*01	