Supplementary data

Figure 1. TCRB CDR3 clonotypes on the day of admisson and DCI are represented as dots and are ranked based on their frequency, from high to low [12].

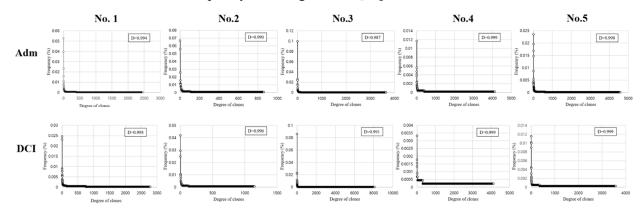


Figure 2. Overlapping sequences of the TCRB CDR3 amino acid in the two different time period of admission and DCI in each patients. The distribution of the top 5 common overlapped amino acid sequences is presented on the right side.

	Adm	DCI						
			Amino acid	V gene	J gene	Total	Adm*	DCI*
No.1			CASSPPGAEGEQYF	CRBV03-01/03-02	TCRBJ02-07	294	4.29	1.89
	/ /		CASSRVQGQGQPQHF	TCRBV06-08	TCRBJ01-05	251	3.22	2.01
	2464 11	2 2785	CASSLAGSGTEAFF	TCRBV07-09	TCRBJ01-01	119	1.9	0.62
		/ /	CASTAGGGGEQYF	TCRBV05-01	TCRBJ02-07	82	1.29	0.45
			CARWLGAVPMNTEAFF	TCRBV02-01	TCRBJ01-01	66	0.61	0.74
			AminoAcid	V gene	J gene		Adm*	DCI*
No.2		1	CASRGVGEKLFF	TCRBV28-01	TCRBJ01-04	149	5.27	3.41
	860 4	4 1148	CASSESGGITNTGELFI	TCRBV10-02	TCRBJ02-02	71	2.04	2.02
	000 4	4 / 1140 /	CASSSGTGAYNEQFF	TCRBV05-01	TCRBJ02-01	35	1.24	0.80
	/	/ /	CASSQDSYEQYF	TCRBV04-01	TCRBJ02-07	28	0.81	0.80
			CASRGLAKGIEQYF	TCRBV27-01	TCRBJ02-07	20	0.56	0.59
No.3			AminoAcid	V gene	J gene	Total	Adm*	DCI*
	/ /	1	CASSPLTGNTIYF	TCRBV27-01	TCRBJ01-03	1660	7.92	6.89
	3652 37	70 8073	CASSSSTGYSPLHF	TCRBV27-01	TCRBJ01-06	419	2.06	1.71
	3032 3	10 80/3	CASSTRPGTEAFF	TCRBV13-01	TCRBJ01-01	227	1.15	0.91
		/	CASSGDRGGLYEQYF		TCRBJ02-07	178	0.98	0.68
			CASSSSTTSGRAKDTQ	F TCRBV27-01	TCRBJ02-03	128	0.53	0.57
No.4			AminoAcid	V gene	J gene	Total	Adm*	DCI*
		1	CASSPGGGPQPQHF	TCRBV09-01	TCRBJ01-05	71	0.97	0.28
	4120 8	0 4120	CASSSETEGYNEQFF	TCRBV05-06	TCRBJ02-01	26	0.40	0.06
	4120 8	9 4128	CASSVGDTEAFF	TCRBV09-01	TCRBJ01-01	20	0.21	0.15
			CASRSGTSDHEQYF	TCRBV02-01	TCRBJ02-07	19	0.31	0.02
			CASSFTGGREKLFF	TCRBV05-05	TCRBJ01-04	15	0.19	0.07
No.5			AminoAcid	V gene			Adm*	DCI*
	/ /	1	CASSLIGVSSYNEQFF		TCRBJ02-01	175	1.76	0.87
	4576 20	3569	CASSPPGRGNGYTF		TCRBJ01-02	140	1.23	0.97
	45/0 20	13 3309	CASSLGTGSYNEQFF		TCRBJ02-01	53	0.46	0.37
	1	/ /	CASSILGHTGELFF		TCRBJ02-02	35	0.35	0.18
			CSAIGDNEQFF	TCRBV20-01	TCRBJ02-01	34	0.28	0.26

Table. Comparison of the clonotype abundance distribution in each patient between the day of admission (Adm) and delayed cerebral ischemia (DCI).

Read	No. 1		No. 2		No. 3		No. 4		No. 5	
frequency (%)	Adm	DCI								
≥ 5	1	0	0	0	1	1	0	0	0	0
$0.5 \le - < 5$	8	8	2	0	8	7	2	0	6	4
$0.05 \le - < 0.5$	391	136	10	9	119	60	54	27	60	43
$0.005 \le - < 0.05$	2064	2641	848	1139	3524	8005	4064	4101	4510	3522
Total	2464	2785	860	1148	3652	8073	4120	4128	4576	3569