

Table 9: Alignment of TCRBV amino acid sequences (SEQ ID NOS 3457-3639, 3669-3673, 3522, 3674-3675, 3525, 3676-3687, 3538, 3688-3698, 3550-3639 and 3699-3790, respectively, in order of appearance)

	FR1-IMGT		CDR1-IMGT		FR2-IMGT		CDR2-IMGT		FR3-IMGT		CDR3-IMGT	
	(1-26)		(27-38)		(39-55)		(56-65)		(66-104)		(105-117)	
Gene	A	B	BC	C	C'	C'C"	C"	D	E	F	FG	
	(1-15)	(16-26)	(27-38)	(39-46)	(47-55)	(56-65)	(66-74)	(75-84)	(85-96)	(97-104)		
	—————>	—————>		—————>	—————>		—————>	—————>	—————>	—————>		
	1	10 15 16	23 26 27	38 39 41 46 47	55 56	65 66	74 75	84 85 89	96 97	104 105		
												
TRBV1	DTGITQTPKYLVTAM	GSKRTMKREHL	GH.....DS	MYWYRQKA	KKSLEFMFY	YNC....KEF	IENKTVP.N	HFTPECP.DS	SRLYLHVVALQQ	EDSAAYLC	TSSQ	
TRBV2	EPEVTQTPSHQVTQM	GQEVILRCVPI	SNH.....LY	FYWYRQIL	GQKVEFLVS	FYN....NEI	SEKSEIFDD	QFSVERP.DG	SNFTLKIRSTKL	EDSAMVFC	ASSE	
TRBV3-1	DTAVSQTPKYLVTQM	GNDKSIKCEQN	LGH.....DT	MYWYKQDS	KKFLKIMFS	YNN....KEL	IINETVP.N	RFSPKSP.DK	AHLNLHINSLEL	GDSAVYFC	ASSQ	
TRBV3-2	DTAVSQTPKYLVTQM	GKKESLK*EQN	LGH.....NA	MYWYKQDS	KKFLKTMFI	YSN....KEP	ILNETVP.N	RFSPPSP.DK	AHLNLHINSLEL	GDSAVYFC	ASSQ	
TRBV4-1	DTEVTQTPKHLVMGM	TNKKSLKCEQH	MGH.....RA	MYWYKQKA	KKPELMFV	YSY....EKL	SINESVP.S	RFSPEC.PNS	SLNLHLHALQP	EDSALYLC	ASSQ	
TRBV4-2	ETGVTQTPRHLVMGM	TNKKSLKCEQH	LGH.....NA	MYWYKQSA	KKPLELMFV	YNF....KEQ	TENNSVP.S	RFSPEC.PNS	SHLFLHLHTLQP	EDSALYLC	ASSQ	
TRBV4-3	ETGVTQTPRHLVMGM	TNKKSLKCEQH	LGH.....NA	MYWYKQSA	KKPLELMFV	YSL....EER	VENNSVP.S	RFSPEC.PNS	SHLFLHLHTLQP	EDSALYLC	ASSQ	
TRBV5-1	KAGVTQTPRYLIKTR	GQQVTLSCSPI	SGH.....RS	VSWYQQTP	GQGLQFLFE	YFS....ETQ	RNKG.NFP.G	RFSGRQF.SN	SRSEMNVSTLEL	GDSALYLC	ASSL	
TRBV5-3	EAGVTQSPHLLIKTR	GQQVTLRCSPI	SGH.....SS	VSWYQQAP	GQGPQFIFE	YAN....ELR	RSEGNFP.N	RFSGRQF.HD	CCSEMNVSALEL	GDSALYLC	ARSL	
TRBV5-4	ETGVTQSPHLLIKTR	GQQVTLRCSSQ	SGH.....NT	VSWYQQAL	GQGPQFIFQ	YYR....EEE	NGRGNFP.P	RFSGLQF.PN	YSSELNVNALEL	DDSALYLC	ASSL	
TRBV5-5	DAGVTQSPHLLIKTR	GQQVTLRCSPI	SGH.....KS	VSWYQQVL	GQGPQFIFQ	YYE....KEE	RGRGNFP.D	RFSARQF.PN	YSSELNVNALLL	GDSALYLC	ASSL	
TRBV5-6	DAGVTQSPHLLIKTR	GQQVTLRCSPK	SGH.....DT	VSWYQQAL	GQGPQFIFQ	YYE....EEE	RQGRGNFP.D	RFSGHQF.PN	YSSELNVNALLL	GDSALYLC	ASSL	
TRBV5-7	DAGVTQSPHLLIKTR	GQHVTLRCSPI	SGH.....TS	VSSYQQAL	GQGPQFIFQ	YYE....KEE	RGRGNFP.D	QFSGHQF.PN	YSSELNVNALLL	GDSALYLC	ASSL	
TRBV5-8	EAGVTQSPHLLIKTR	GQQATLRCSPI	SGH.....TS	VYWYQQAL	GLGLQFLLW	YDE....GEE	RNRGNFP.P	RFSGRQF.PN	YSSELNVNALEL	EDSALYLC	ASSL	

FIG. 100