

(B)

TRBJ gene name	J-NONAMER <u>GGTTTTGT</u>	J-SPACER *****	J-HEPTAMER <u>CACTGTG</u>	J-REGION	5' splice donor
TRBJ1-1	tttctcct	tgctccgcttca	ctgtgtg	AACACTGAGGTTTCTTTGGAAAAGGCACCAGGCTCACGGTTGTAG N T E V F <u>F G K G</u> T R L T V V	gtaaga
TRBJ1-2	cgttgtagg	gtggctgtgttc	tgatgtg	TTATGAATATCACTTCGGCCAGGGACCAAGCTGACAGTTGTAG Y E Y H <u>F G P G</u> T K L T V V	gtaagg
TRBJ1-3	gttttgaag	tgaatcctggag	gcttggc	TTTGGAGACTTCTACTTTTGGAGGGGGAGGGAAGACGGCTCGCTGTT F G D F Y F L <u>R G E G</u> R R L A V	gtagat
TRBJ1-4	tttccctac	caggccttaggg	ttgtgtg	ACTAATGAAAGACTCTATTTTCGGCAATGGGACGAAGCTTTCGGTCTTGG T N E R L Y <u>F G N G</u> T K L S V L	gtgagt
TRBJ1-5	gggtttgcc	acacccgcggtg	ggccgtg	GAGCAACCAGGCACAGCACTTTGGACACGGGACCTGGCTCGCCGTCCTGG S N Q A Q H <u>F G H G</u> T W L A V L	gtaaaa
TRBJ1-6	ggtttcgcc	acagccacctgc	agctgtg	GGCCTATAATTTCGCCCCCTCCACTTTGGGATCGGCACCAGGCTCACCGTGACAG A Y N S P L H <u>F G I G</u> T R L T V T	gtatcg
TRBJ3-1	gaattcttg	gcagccccttcc	cactgtg	CTCCTATGATGAGCTGCACCTTCGGGCCAGGGACCAGGCTCACCGTGCTAG S Y D E L H <u>F G P G</u> T R L T V L	gtaaga
TRBJ3-2	agtttgccg	ctgggttcccag	ggctgtg	TGAACGCCGCGCAGCTGTACTTTGGAGCTGGTTCCAAGCTGACTGTGCTGG N A A Q L Y <u>F G A G</u> S K L T V L	gtaagg
TRBJ3-3	ggtttttgt	cctgggtccccg	ggctgtg	AGCCAAAGCACTCAGTACTTCGGCGCGGGCACTCGGCTGTGGTGCTAG S Q S T Q Y <u>F G A G</u> T R L S V L	gtgagc
TRBJ3-4	ggtttttgc	gcggggctgggg	ggccgtg	ACTCAGAGACGCAGTACTTCGGGCGGGCACGCGGCTCCTGGTGCTAG S E T Q Y <u>F G P G</u> T R L L V L	gtgagt
TRBJ3-5	ggtttgctt	gcggggctggga	ctctgtg	AGCCAGTGAGCGGTATTTTCGGCGCCGGCACCAGGCTCACGGTCACAG A S E R Y <u>F G A G</u> T R L T V T	gtgaga
TRBJ3-6	cgggcggcg	cgccctgattct	ttgtggg	GCGCCGCGCGCCGCCCTGACCTATGGGGCCGGCAGCGGGCTGGCCGCGGTGG R R G A A L T <u>Y G A G</u> S G L A A V	gcgaga
TRBJ2-1	gaattcttg	gcagccccttcc	cactgtg	CTCCTATGGGGAGCTGCACCTTCGGGTCAGGGACCAGGCTCACCGTGCTAG S Y G E L H <u>F G S G</u> T R L T V L	gtaaga
TRBJ2-2	agtttgccg	ctgggtccccag	ggctgtg	TGAACACAGATCCCCCTTACTTTGGAGCTGGTTCCAAGCTGACTGTGCTGG N T D P L Y <u>F G A G</u> S K L T V L	gtaagg
TRBJ2-3	agtttttgt	cctgagcctccg	ggctgtg	AGCAATAACCCTCTGCATTTTCGGAGGGGGCACTCGGCTGTGGTACTAG S N N P L H <u>F G G G</u> T R L L V L	gtaagt
TRBJ2-4	tatttctgt	gctgagccctga	ggctgtg	AGTACAGACACGCAGTACTTCGGCCCGGGAACCCGGCTGTGGTGCTAG S T D T Q Y <u>F G P G</u> T R L S V L	gtgagc
TRBJ2-5	ggtttttgc	gcggggctgggg	ggccgtg	ACTCAGACCCAGTACTTTGGGCTGGCAGCGGCTCCTGGTGCTAG T Q T Q Y <u>F G P G</u> T R L L V L	gtgagt
TRBJ2-6	gatttttgt	ggggctccccgg	ggctgtg	CTTTCAGGCGCCGCCCTGACCTTCGGGCGGGCAGCCGGCTGACGGTGGTGG F A G A A L T <u>F G A G</u> S R L T V V	gtgagt
TRBJ2-7	gtttgagtg	ccgggctcttcc	tccgtgc	TCCTATGAGCAGTATTTTCGGCCAGGCACCAAGCTCACGGTCGCTAG S Y E Q Y <u>F G P G</u> T K L T V V	gtgaga