

RSS of gene segments targeted	Heptamer (5'→3')	Restriction enzymes used for digestion
Vβ14	p-CACACTG-Biotin	<i>BgIII; EcoRI; HindIII; PvuII; SphI; XbaI</i>
Vβ2; Vβ6; Vβ15; Vβ8	p-CACAGTG-Biotin	<i>BgIII; HindIII; SstI; SphI; XbaI</i>
Vβ4(Vβ16); Vβ5	p-CACAGCC-Biotin	<i>BgIII; EcoRI; HindIII; NcoI; SphI</i>
5'Dβ1 Dβ2	p-CACAATG-Biotin	<i>BgIII; EcoRI; EcoRV; HindIII; PvuII; SphI; SstI; XbaI</i>
3'Dβ1	p-CACGGTG-Biotin	<i>BgIII; EcoRI; EcoRV; HindIII; PvuII; SphI; SstI; XbaI</i>
Jβ1.1 Jβ1.2 Jβ1.3 Jβ1.4 Jβ1.5 Jβ1.6	p-CACAGTG-Biotin p-CACATCA-Biotin p-CACAGCC-Biotin p-CACAACA-Biotin p-CACAGTA-Biotin p-CACAGCT-Biotin	<i>BgIII; EcoRI; HindIII; SstI; XbaI</i>
Jβ2.1 Jβ2.2 Jβ2.3 Jβ2.4 Jβ2.5 Jβ2.7	p-CACAGCA-Biotin p-CACAGTC-Biotin p-CACAGCC-Biotin p-CACAGCC-Biotin p-CACAGCC-Biotin p-CACAGAG-Biotin	<i>BgIII; EcoRI; EcoRV; HindIII; SphI; XbaI</i>

Table S1. 5'-phosphorylated 3'-biotinylated oligonucleotides (7-mers) and restriction enzymes used in the oligo-capture assays to displace and ligate the nicked strand and to restrict the genomic DNA before purification on streptavidin-conjugated magnetic beads.