A

CDR3

C A S — TRBD1*01 — F G E G

TRBV13-2*01 GTGTACTTCTGT GCCAGCGGTGATG GGGACAGGGGGC TAACAACCAGGCTCCGCTT TTTGGAGAGGGG TRBJ1-5*01
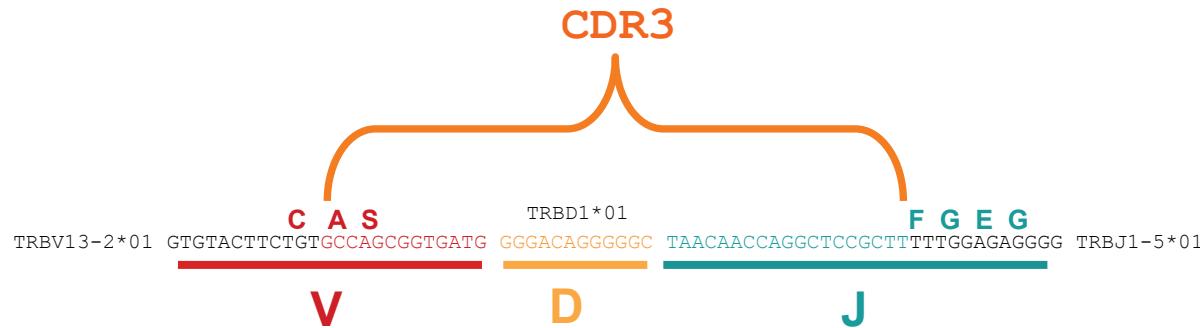
V D J

B TRBV13-2*01   TRBD1*01   TRBJ1-5*01

93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109   1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

L A T P S Q T S V Y F C A S G D   N N Q A P L F G E G T R L S V L

TTG GCT ACC CCC TCT CAG ACA TCA GTG TAC TTC TGT GCC AGC GGT GAT G G GGACAGGGGGC T AAC AAC CAG GCT CCG CTT TTT GGA GAG GGG ACT CGA CTC TCT GTT CTA G

Primer Mouse MVB8.2   Primer Mouse Jb1.5

C TRBV13-2*01   TRBD1*01   TRBJ1-5*01

93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109   1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

L A T P S Q T S V Y F C A S G D   N N Q A P L F G E G T R L S V L

TTG GCT ACC CCC TCT CAG ACA TCA GTG TAC TTC TGT GCC AGC GGT GAT G GGACAGGGGGC T AAC AAC CAG GCT CCG CTT TTT GGA GAG GGG ACT CGA CTC TCT GTT CTA G

motif for Library CDR3 analysis   motif for Library CDR3 analysis

D TRBV13-2*01   TRBD1*01   TRBJ1-5*01

93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109   1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

L A T P S Q T S V Y F C A S G D   N N Q A P L F G E G T R L S V L

TTG GCT ACC CCC TCT CAG ACA TCA GTG TAC TTC TGT GCC AGC GGT GAT G GGACAGGGGGC T AAC AAC CAG GCT CCG CTT TTT GGA GAG GGG ACT CGA CTC TCT GTT CTA G

motif for TRBV region analysis   motif for TRBV region analysis

TRBV 12 nt region in Library error rate analysis