Supporting evidence for the inference of TRBV5-6*01 T284G

Inference based on VDJbase data set P4_I12_S1

| Result summary: **TRBV5-6*01_T284G**	**No rearrangement found**		
V-GENE and allele	Homsap TRBV5-6*01 F	score = 1356	identity = **99.63%** (272/273 nt)
FR-IMGT lengths, CDR-IMGT lengths	[5.6.X]		

1. Alignment for V-GENE and allele identification

Closest V-REGIONs (evaluated from the V-REGION first nucleotide to the 2nd-CYS codon)

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                          Score      Identity
L36092      Homsap TRBV5-6*01 F      1356      99.63% (272/273 nt)
L36092      Homsap TRBV5-5*01 F      1212      93.77% (256/273 nt)
L36092      Homsap TRBV5-7*01 ORF    1212      93.77% (256/273 nt)
X57611      Homsap TRBV5-5*02 (F)    1203      93.41% (255/273 nt)
X58801      Homsap TRBV5-5*03 (F)    1203      93.41% (255/273 nt)
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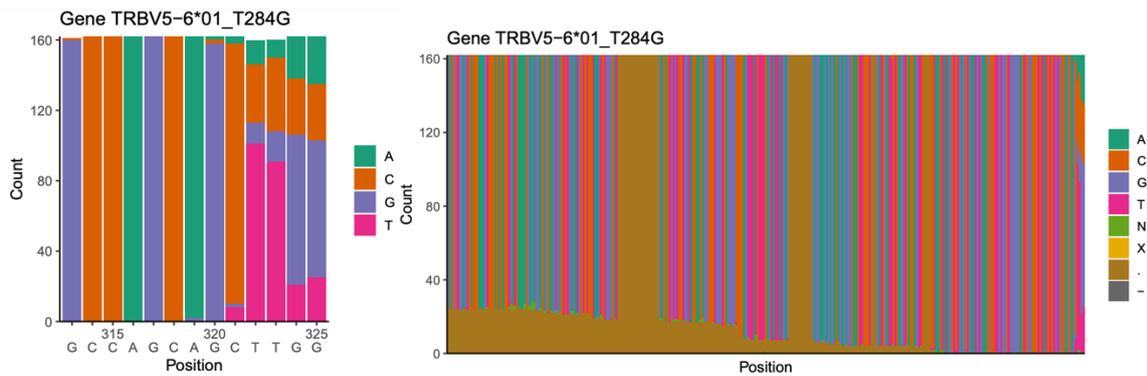

Consensus plot of 3'-end:
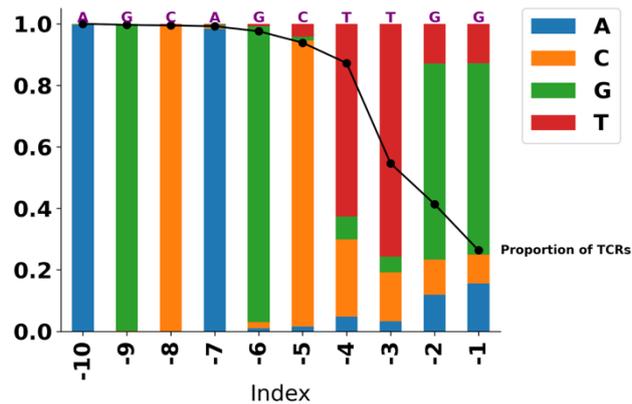
TRBV5−6*01

295 sequences assigned
206 (69.8%) exact matches, in which:
197 unique CDR3
13 unique J
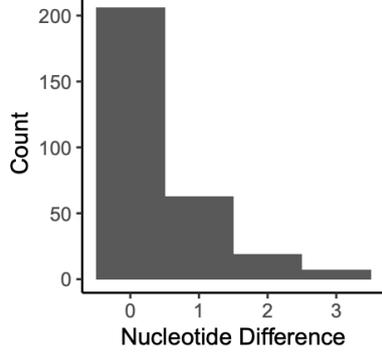
TRBV5−6*01_T284G

162 sequences assigned
122 (75.3%) exact matches, in which:
118 unique CDR3
13 unique J
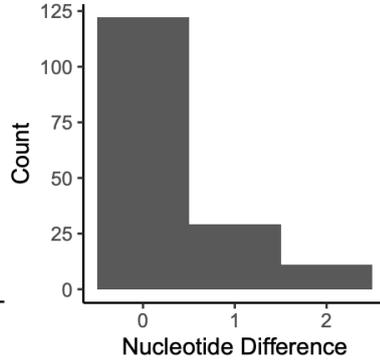
TRBV5−6*01_T284G
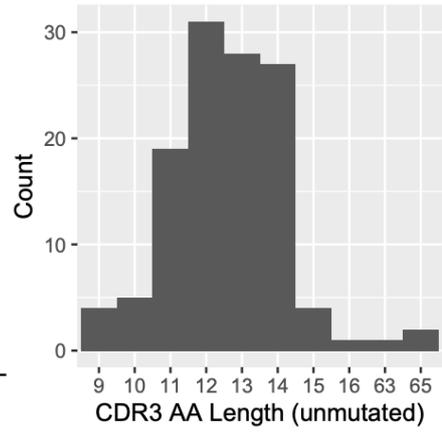
Sequence Count by TRBJ1−6 allele usage

Allele
01
02

Other inferences:
Inference based on VDJbase data set *P1_I16*

Gene TRBV5-6*01_T284G

Gene TRBV5-6*01_T284G
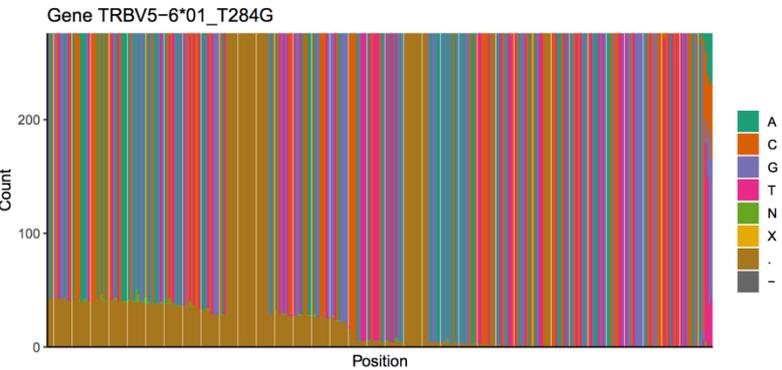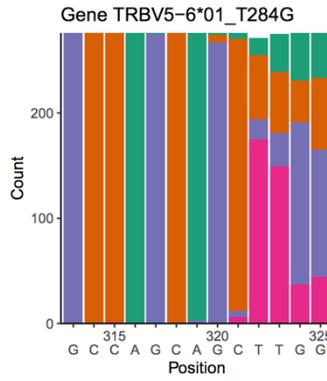
TRBV5-6*01

402 sequences assigned
270 (67.2%) exact matches, in which:
245 unique CDR3
14 unique J
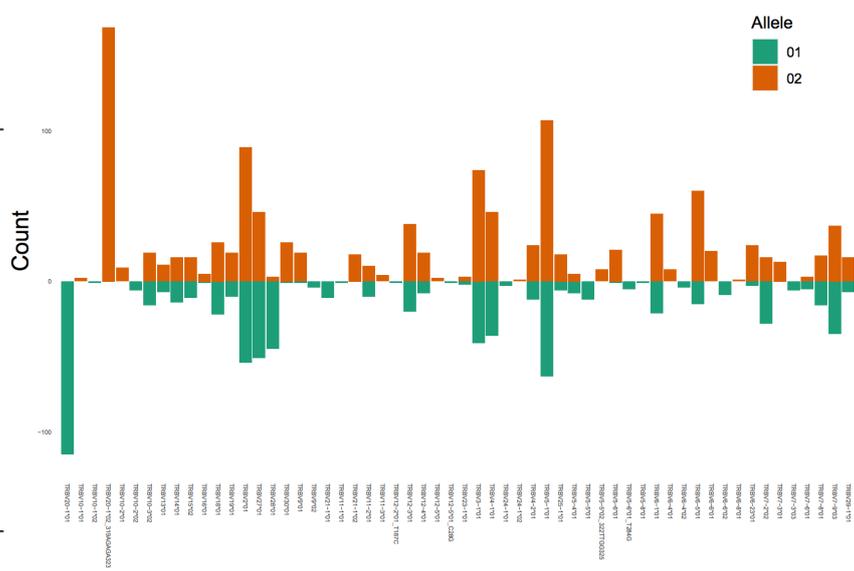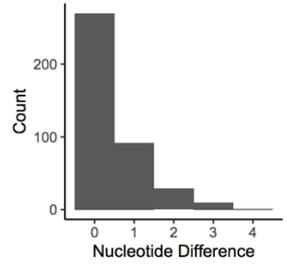
TRBV5-6*01_T284G

276 sequences assigned
204 (73.9%) exact matches, in which:
185 unique CDR3
13 unique J
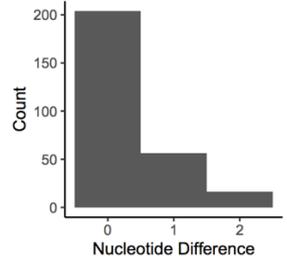
TRBV5-6*01_T284G

TRBV5-6*01_T284G- Final 3 nucleotides as a triplet

Inference based on VDJbase data set *P4_I17:*

TRBV5−6*01
548 sequences assigned
367 (67%) exact matches, in which:
297 unique CDR3
13 unique J

Gene TRBV5−6*01_T284G

TRBV5−6*01_T284G
412 sequences assigned
290 (70.4%) exact matches, in which:
232 unique CDR3
13 unique J

TRBV5−6*01_T284G

Gene TRBV5−6*01_T284G
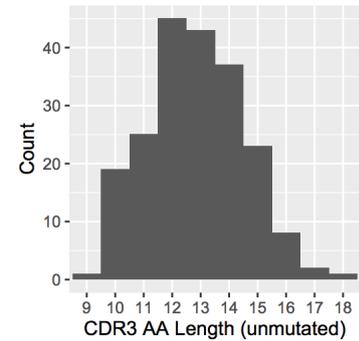
TRBV5−6*01_T284G− Final 3 nucleotides as a triplet
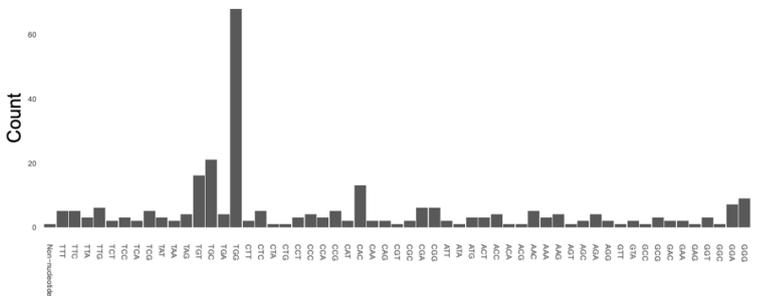
Inference based on VDJbase data set *P4_I28:*

TRBV5-6*01

257 sequences assigned
186 (72.4%) exact matches, in which:
166 unique CDR3
12 unique J
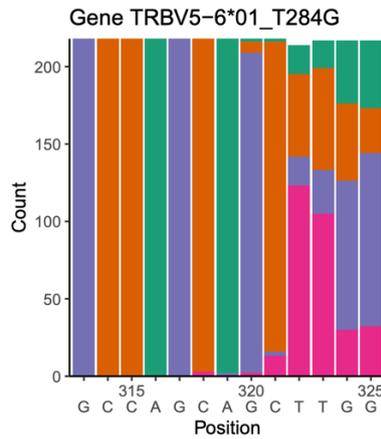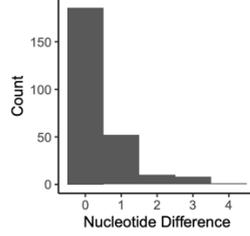
TRBV5-6*01_T284G

218 sequences assigned
157 (72%) exact matches, in which:
144 unique CDR3
13 unique J

TRBV5-6*01_T284G

Gene TRBV5-6*01_T284G

TRBV5-6*01_T284G- Final 3 nucleotides as a triplet

Inference based on VDJbase data set *P16_I4*

Gene TRBV5−6*01_T284G

TRBV5−6*01

219 sequences assigned
206 (94.1%) exact matches, in which:
203 unique CDR3
14 unique J

TRBV5−6*01_T284G

129 sequences assigned
125 (96.9%) exact matches, in which:
122 unique CDR3
13 unique J

TRBV5−6*01_T284G

Gene TRBV5−6*01_T284G

TRBV5−6*01_T284G− Final 3 nucleotides as a triplet

Sequence Count by TRBJ1−6 allele usage