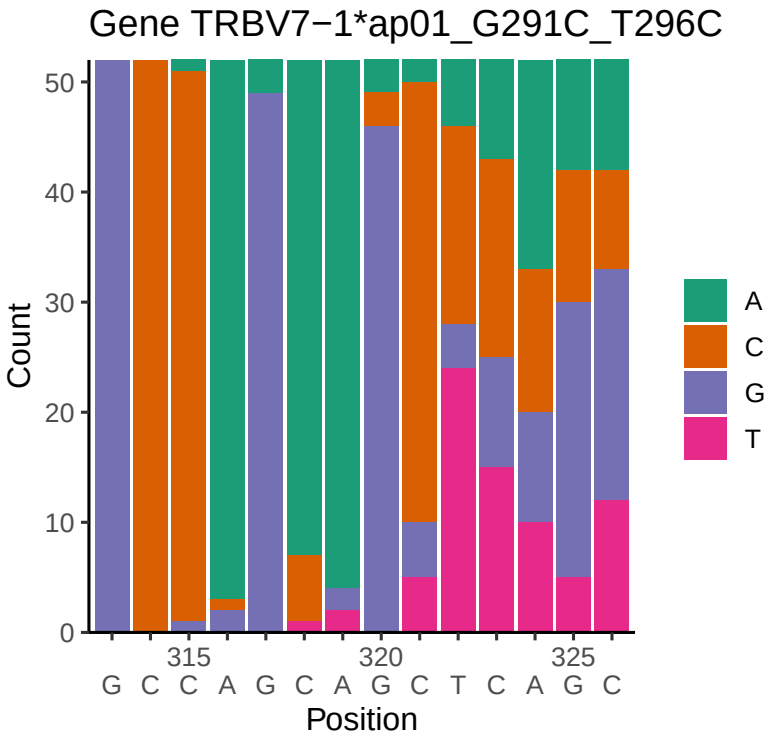
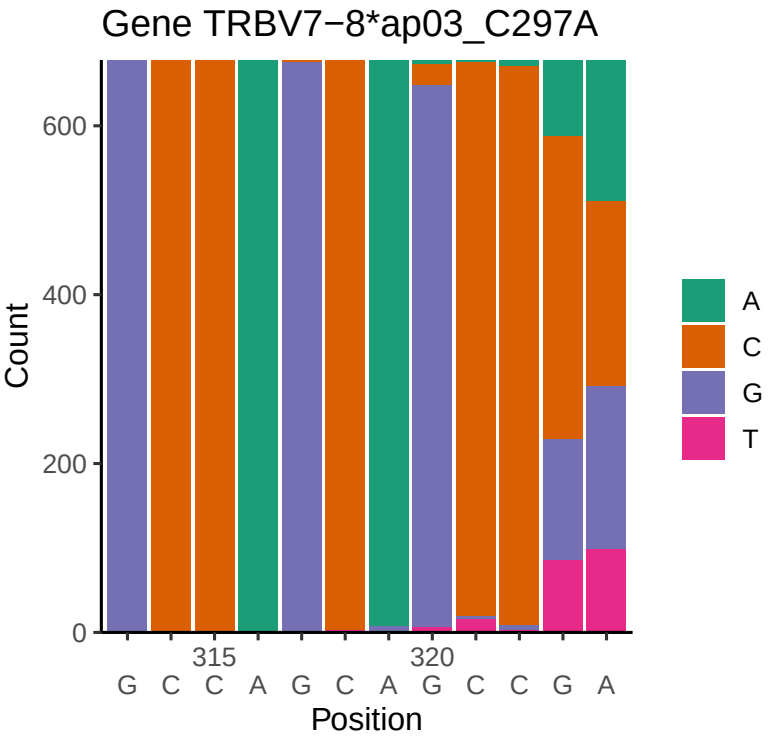
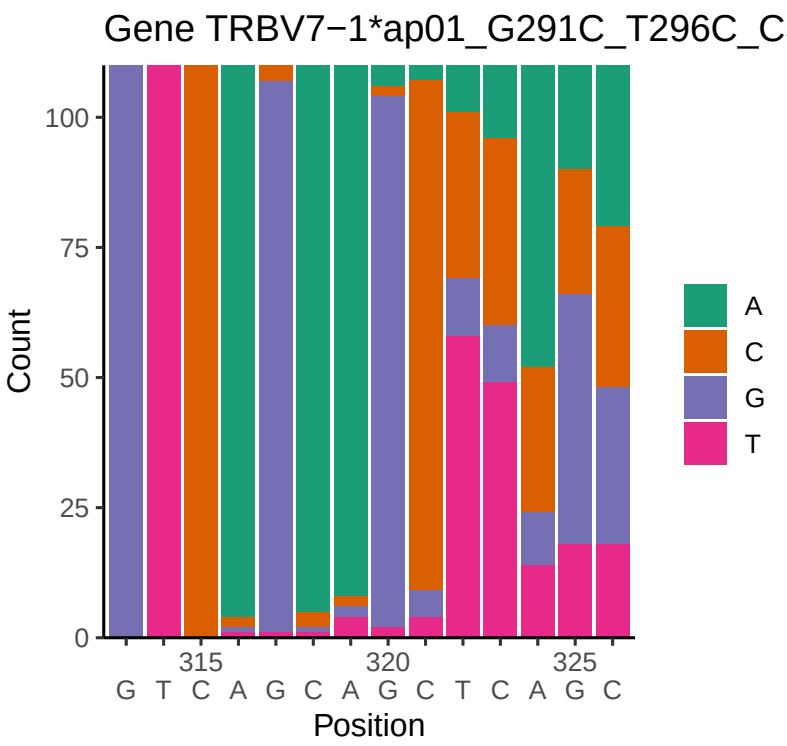
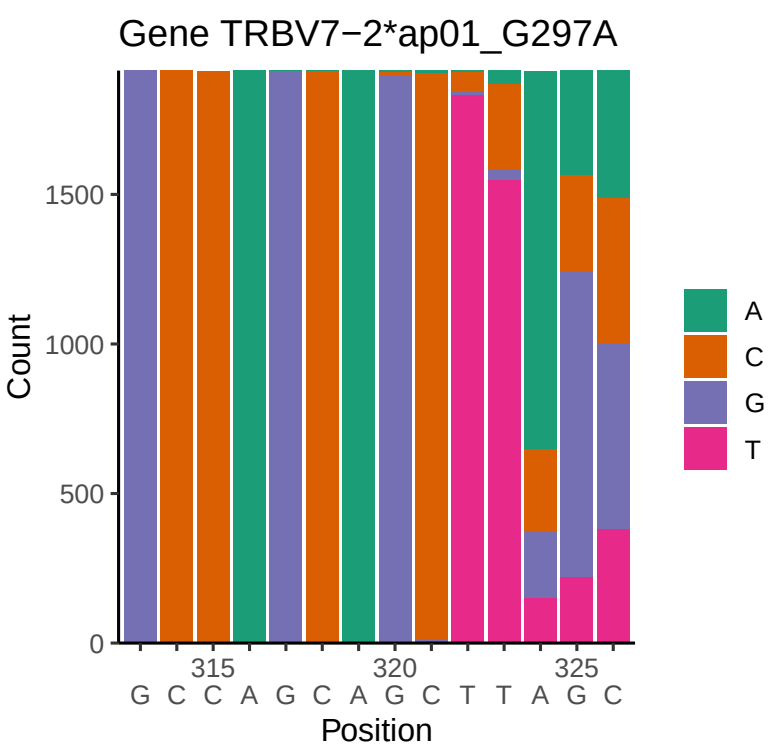
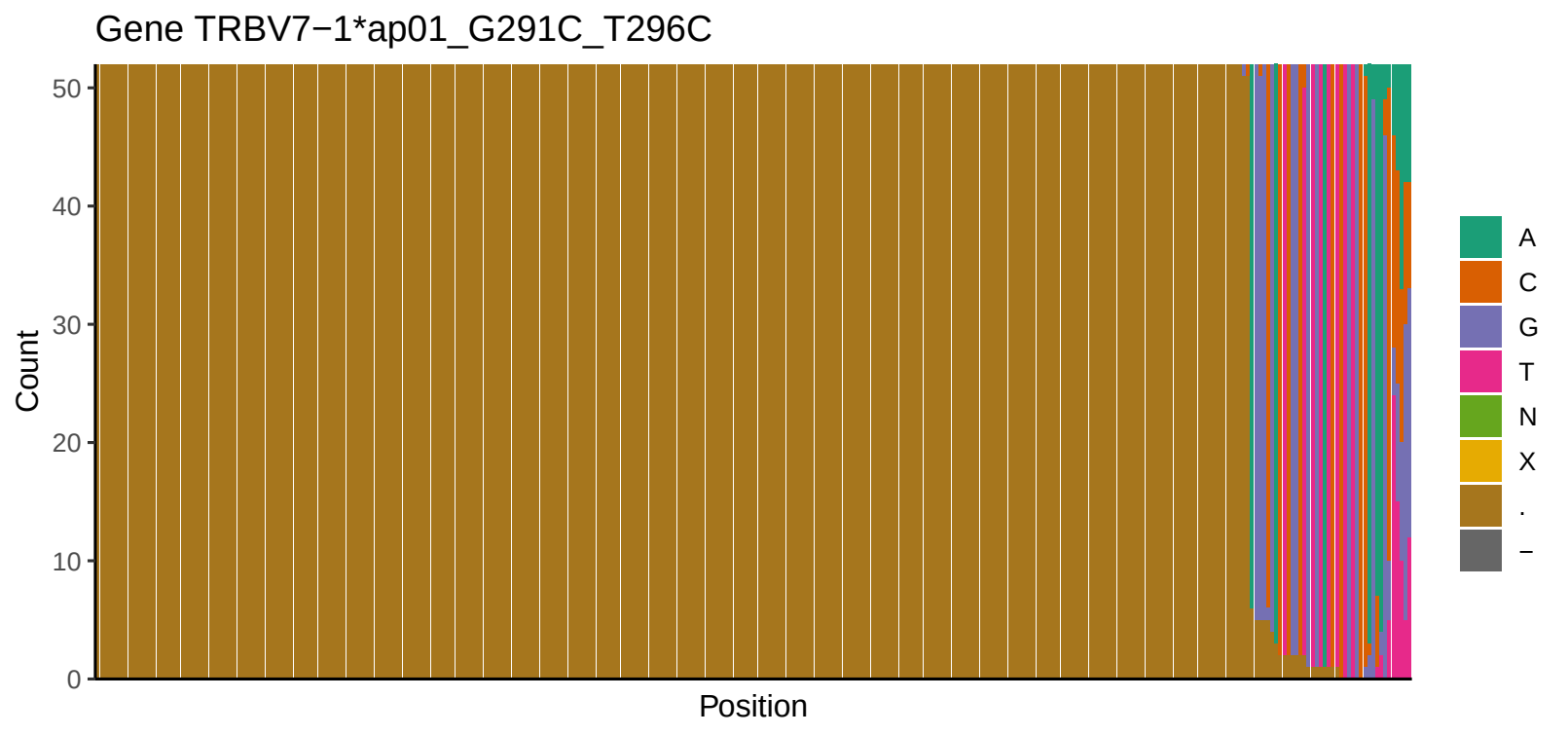
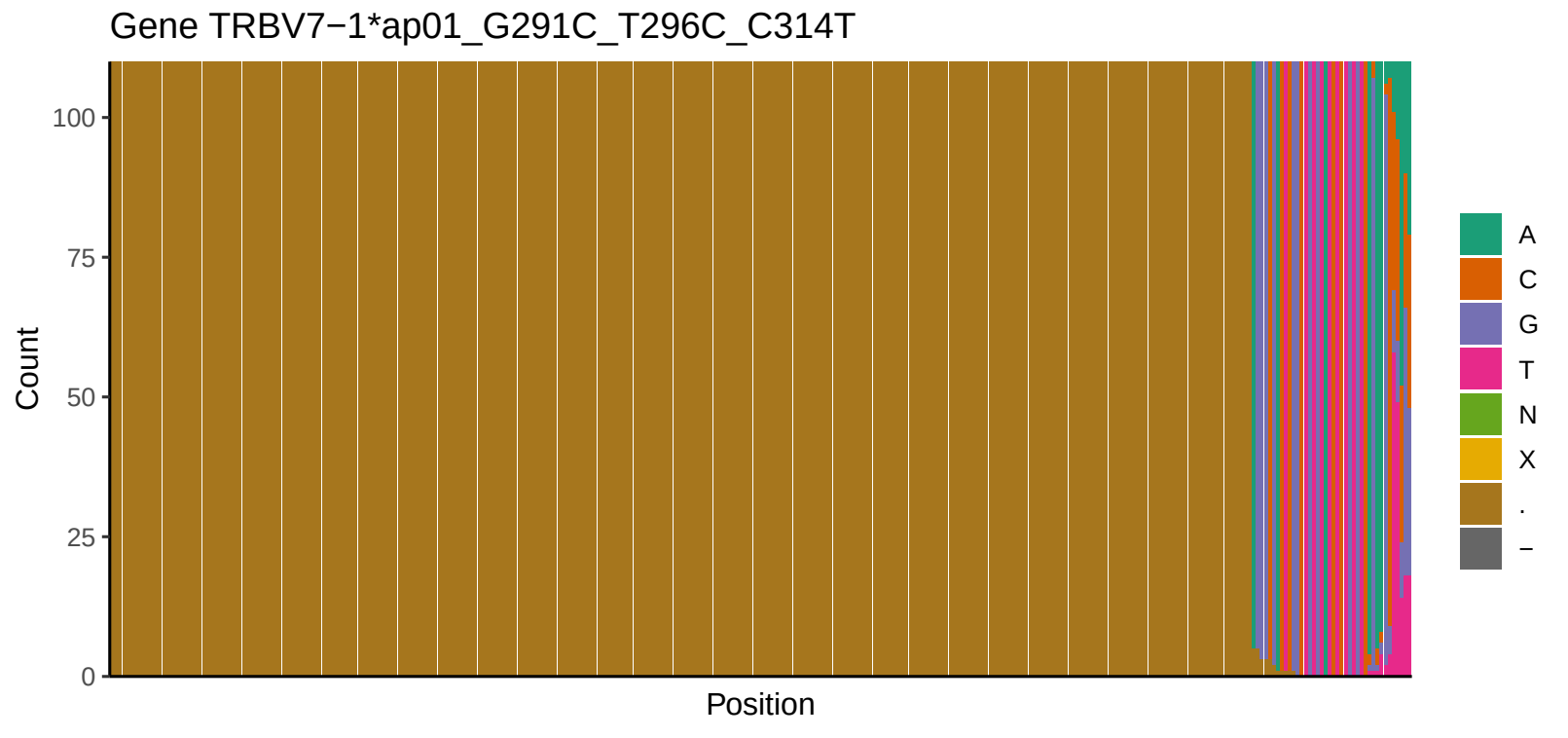

Gene TRBV7−1*ap01_G291C_T296C
Count
Position
A
C
G
T
0
10
20
30
40
50
315
320
325
G C C A G C A G C T C A G C

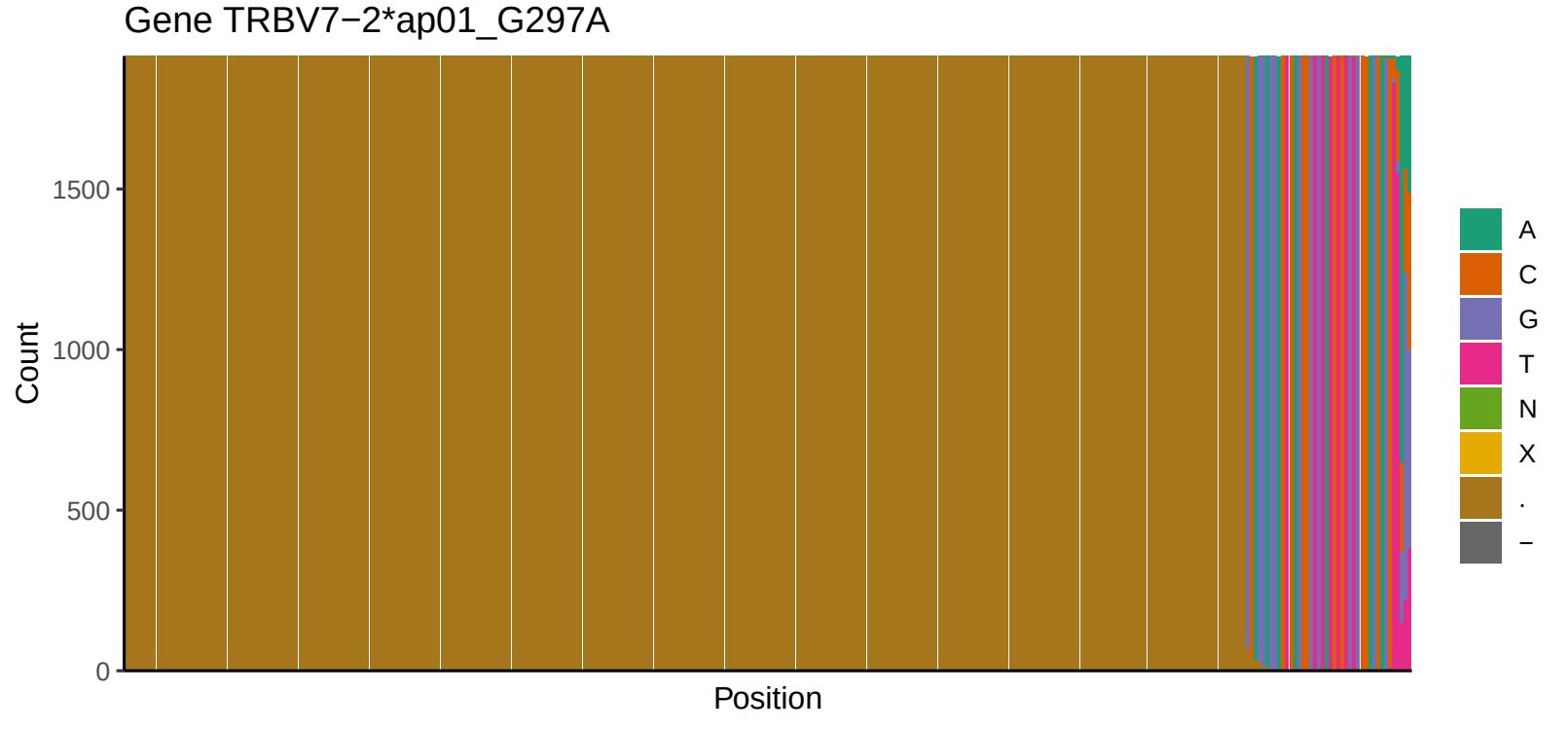

Gene TRBV7−8*ap03_C297A
Count
Position
A
C
G
T
0
200
400
600
315
320
G C C A G C A G C C G A

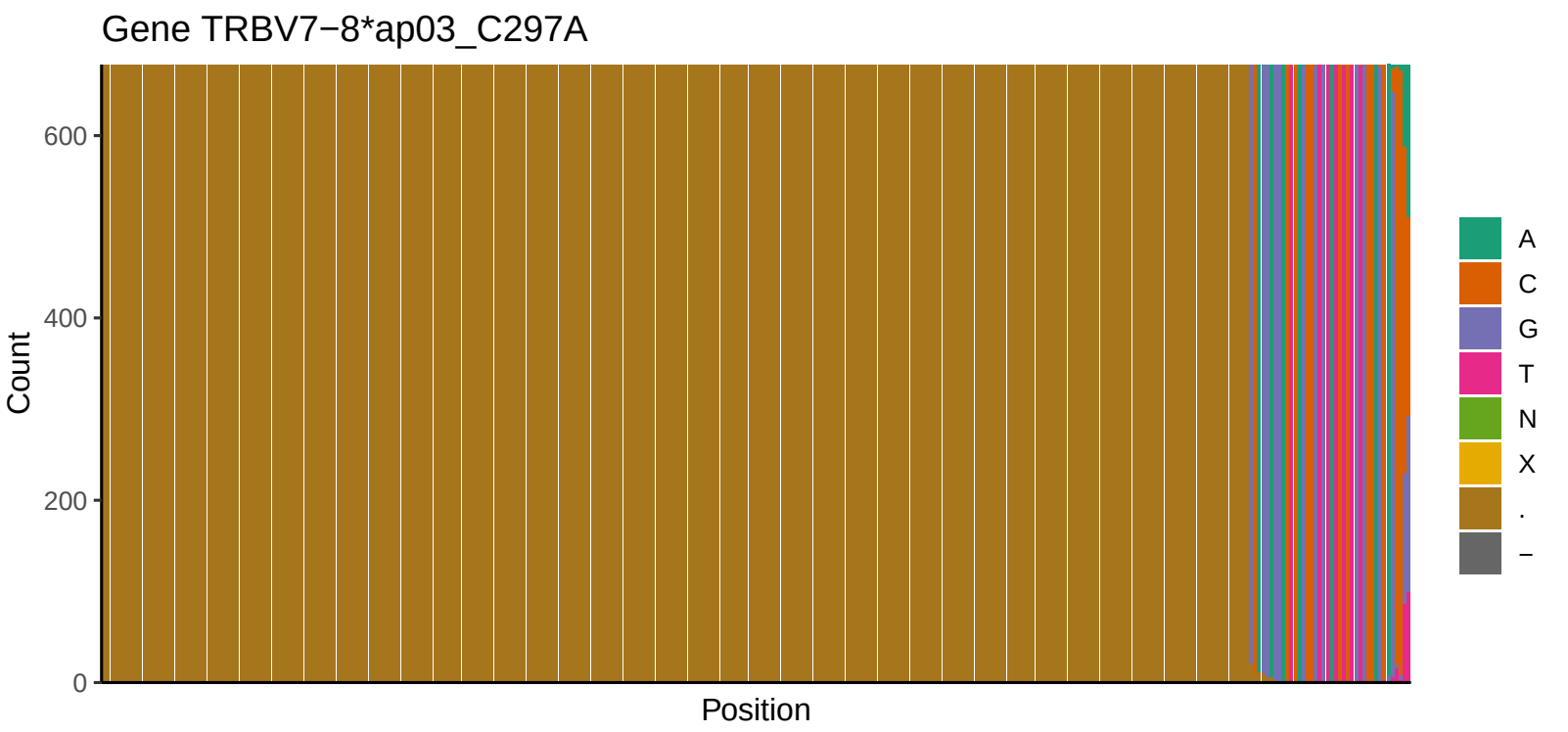

Gene TRBV7−1*ap01_G291C_T296C_C314T
Count
Position
A
C
G
T
0
25
50
75
100
315
320
325
G T C A G C A G C T C A G C

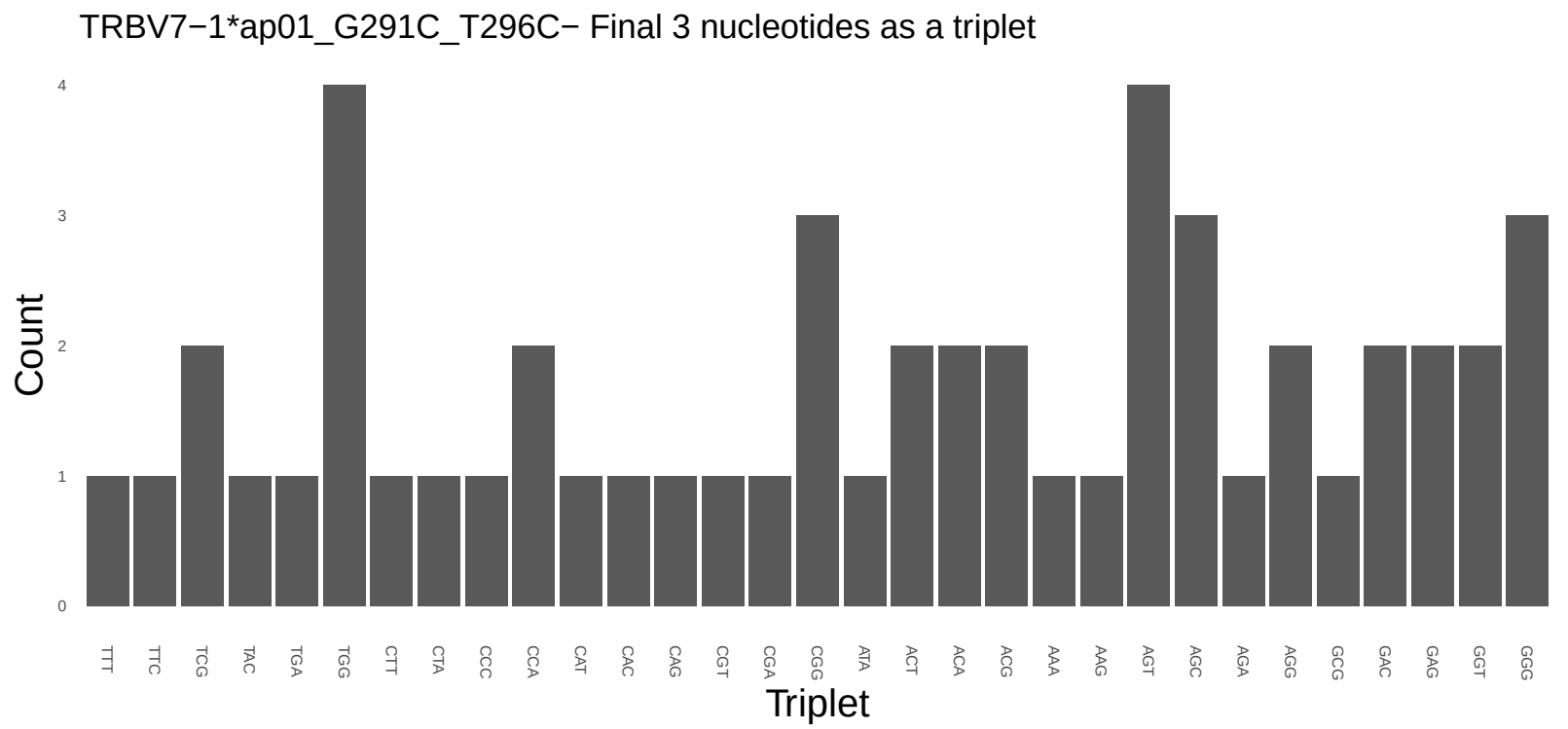

Gene TRBV7−2*ap01_G297A
Count
Position
A
C
G
T
0
500
1000
1500
315
320
325
G C C A G C A G C T T A G C

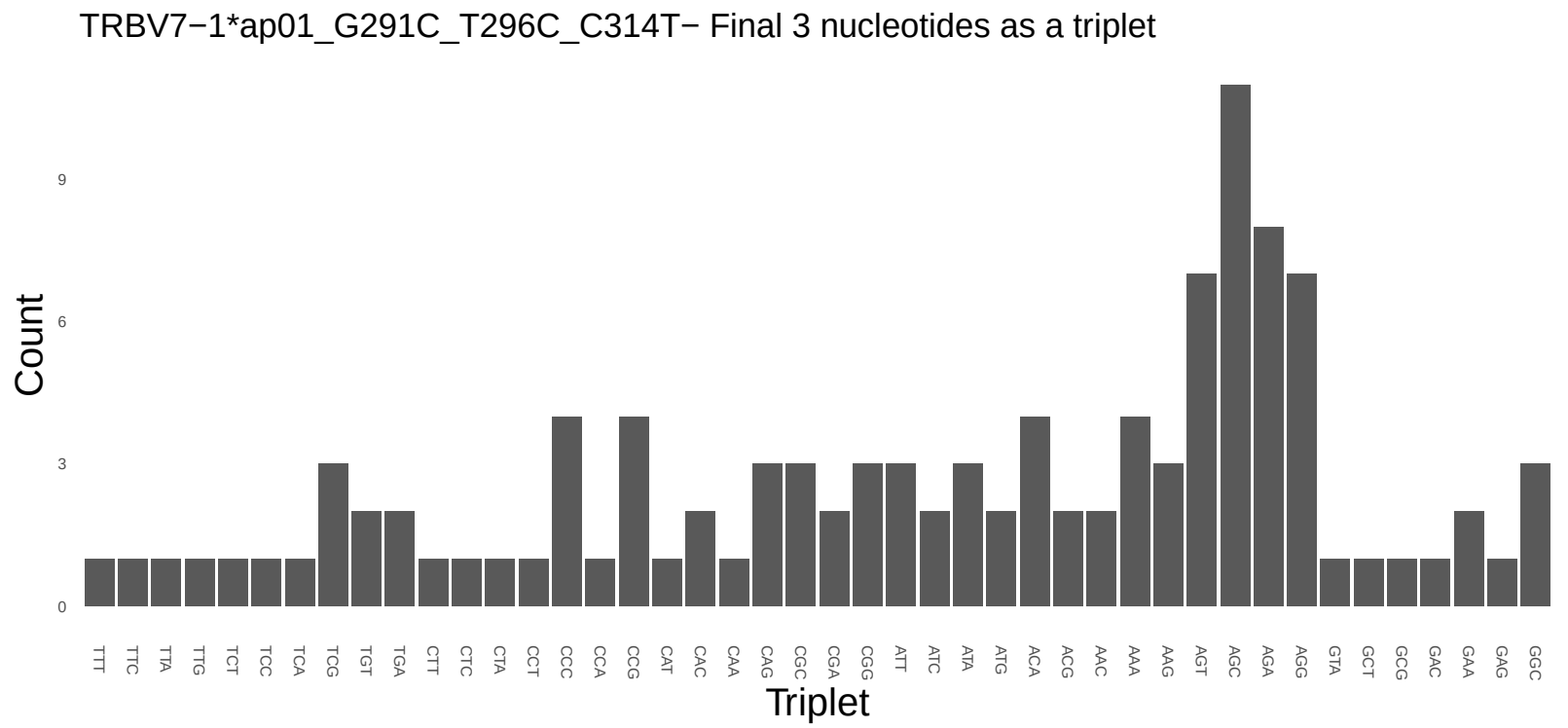

Gene TRBV7−1*ap01_G291C_T296C
Count
Position
A
C
G
T
N
X
.
–

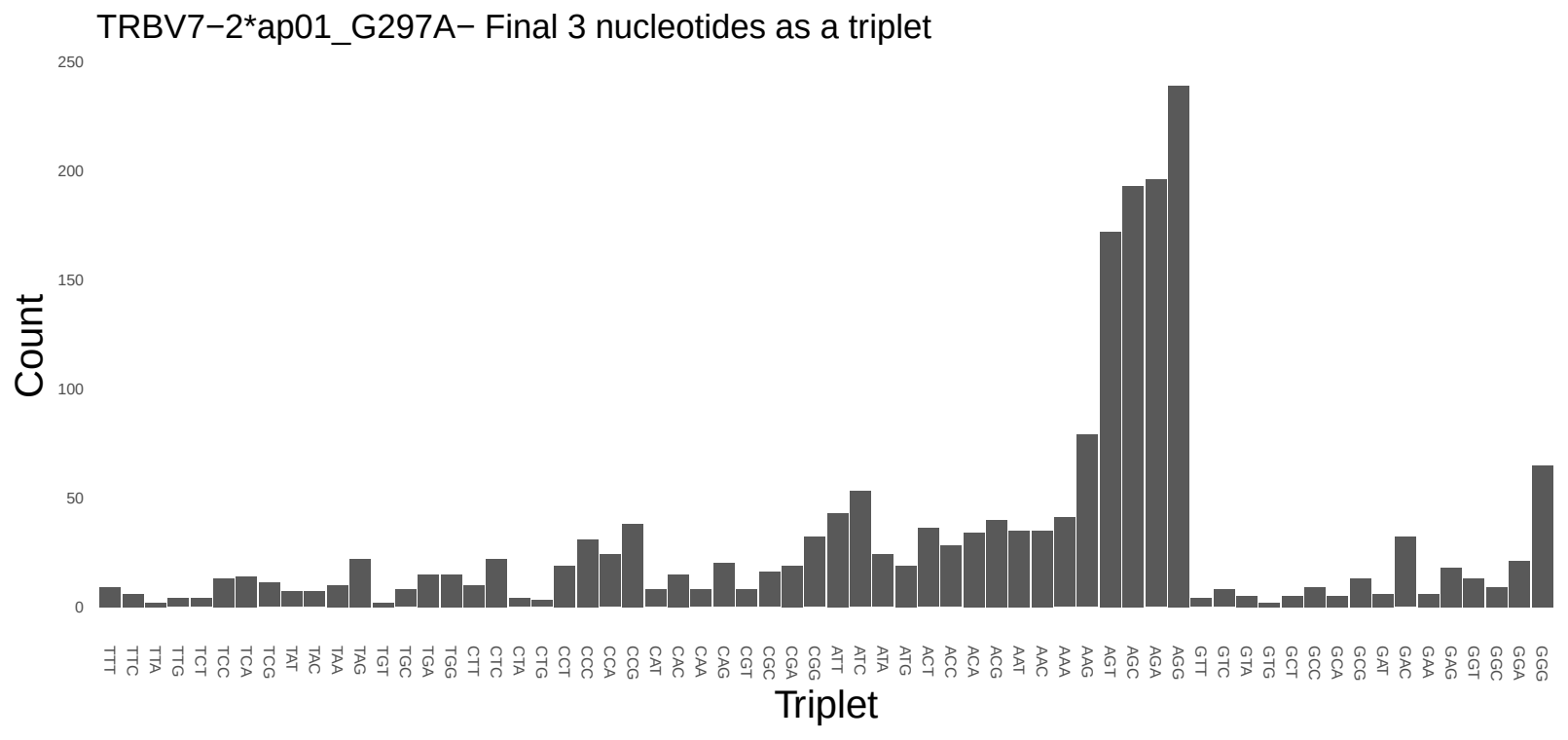

Gene TRBV7−1*ap01_G291C_T296C_C314T
Count
Position
A
C
G
T
N
X
.
–


Gene TRBV7−2*ap01_G297A
Count
Position
A
C
G
T
N
X
.
–

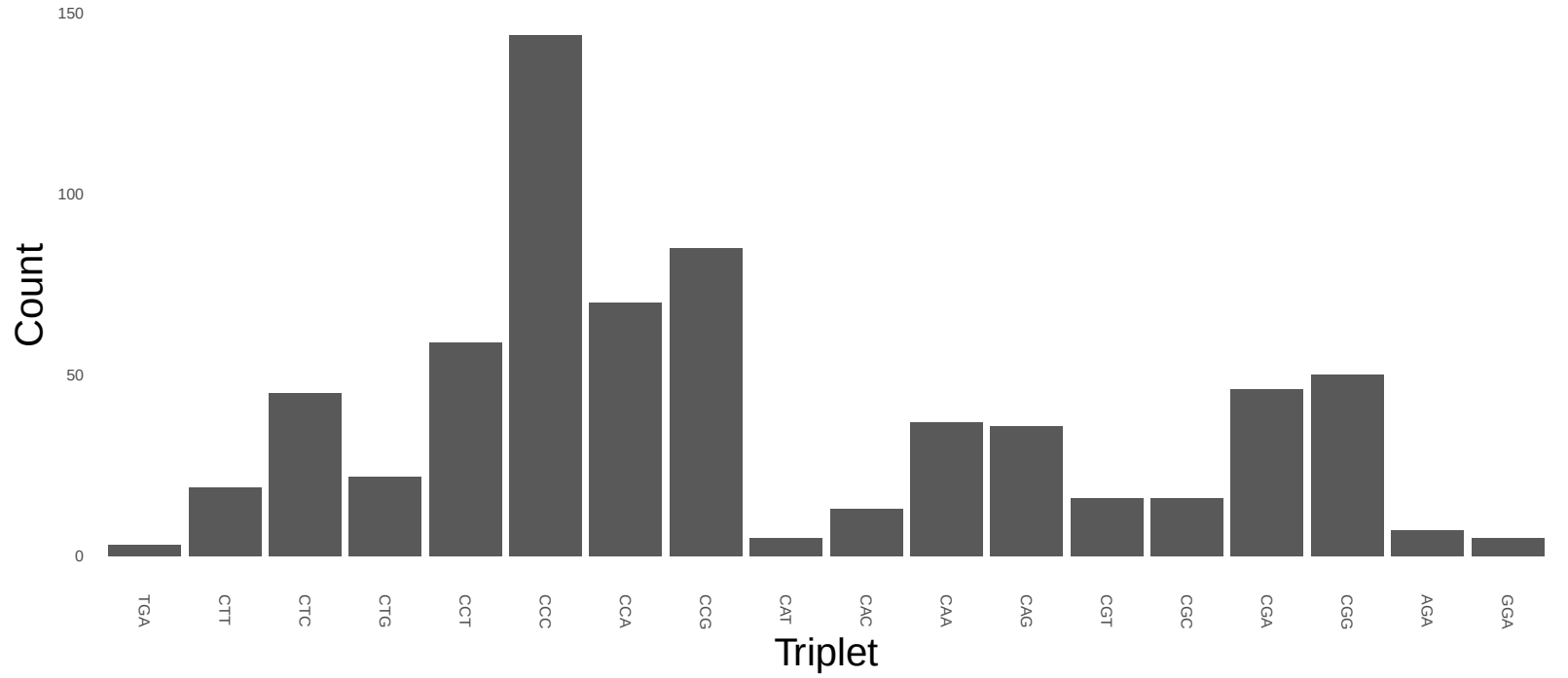

Gene TRBV7−8*ap03_C297A
Count
600
400
200
0
Position
A
C
G
T
N
X
.
–


TRBV7−1*ap01_G291C_T296C− Final 3 nucleotides as a triplet
Count
0
1
2
3
4
TTT TTC TCG TAC TGA TGG CTT CTA CCC CCA CAT CAC CAG CGT CGA CGG ATA ACT ACA ACG AAA AAG AGT AGC AGA AGG GCG GAC GAG GGT GGG
Triplet


TRBV7−1*ap01_G291C_T296C_C314T− Final 3 nucleotides as a triplet
Count
0
3
6
9
TTT TTC TTA TTG TCT TCC TCA TCG TGT TGA CTT CTC CTA CCT CCC CCA CCG CAT CAC CAA CAG CGC CGA CGG ATT ATC ATA ATG ACA ACG AAC AAA AAG AGT AGC AGA AGG GTA GCT GCG GAC GAA GAG GGC
Triplet

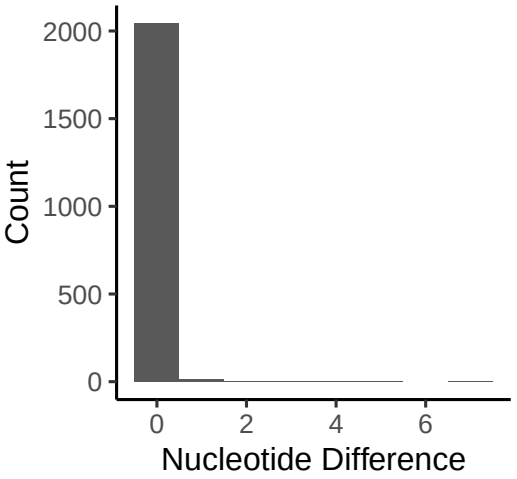

TRBV7−2*ap01_G297A− Final 3 nucleotides as a triplet
Count
0
50
100
150
200
250
TTT TTC TTA TTG TCT TCC TCA TCG TAT TAC TAA TAG TGT TGC TGA TGG CTT CTC CTA CTG CCT CCC CCA CCG CAT CAC CAA CAG CGT CGC CGA CGG ATT ATC ATA ATG ACT ACC ACA ACG AAT AAC AAA AAG AGT AGC AGA AGG GTT GTC GTA GTG GCT GCC GCA GCG GAT GAC GAA GAG GGT GGC GGA GGG
Triplet

TRBV7−8*ap03_C297A− Final 3 nucleotides as a triplet



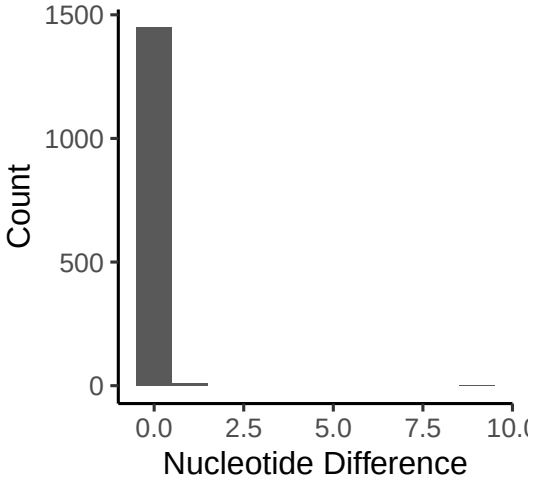
TRBV10−1*ap01

2068 sequences assigned
2043 (98.8%) exact matches, in which:
1983 unique CDR3
13 unique J



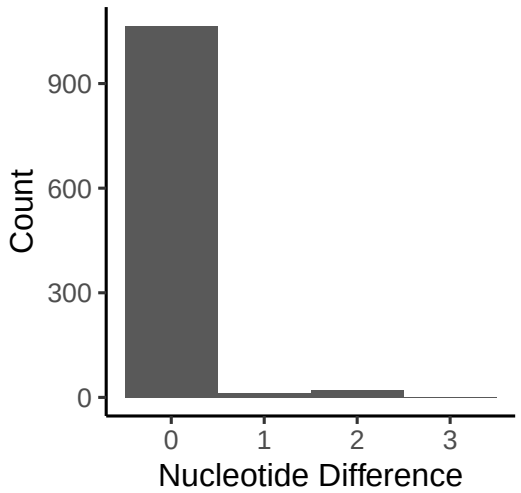
TRBV10−2*ap01

1459 sequences assigned
1449 (99.3%) exact matches, in which:
1428 unique CDR3
13 unique J



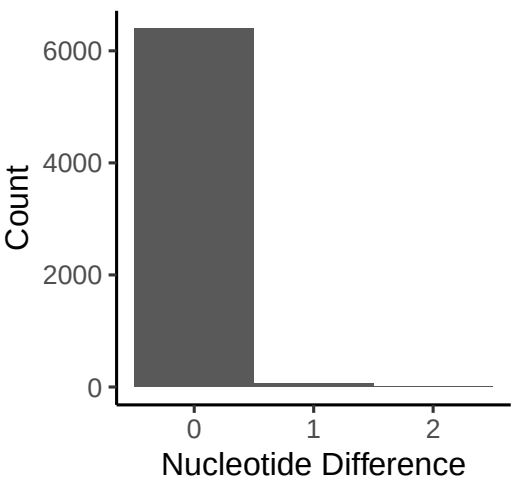
TRBV13*ap01

1102 sequences assigned
1066 (96.7%) exact matches, in which:
1028 unique CDR3
13 unique J



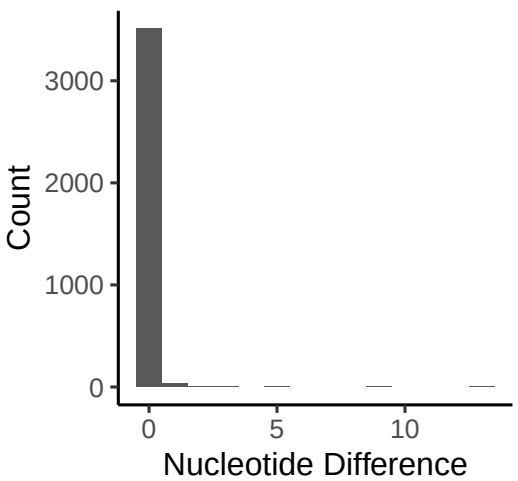
TRBV20−1*ap01

6459 sequences assigned
6394 (99%) exact matches, in which:
6310 unique CDR3
13 unique J



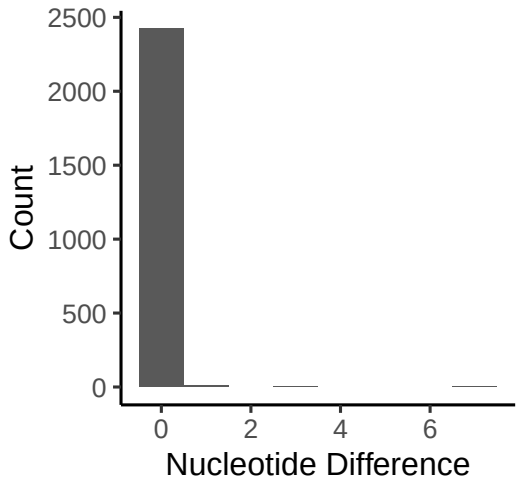
TRBV10−3*ap01

3550 sequences assigned
3510 (98.9%) exact matches, in which:
3445 unique CDR3
13 unique J



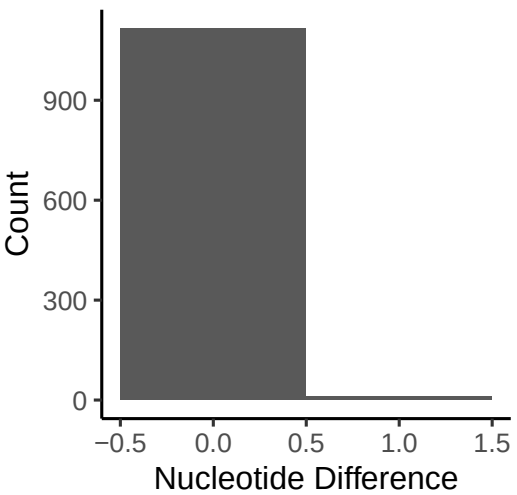
TRBV14*ap01

2436 sequences assigned
2423 (99.5%) exact matches, in which:
2392 unique CDR3
13 unique J



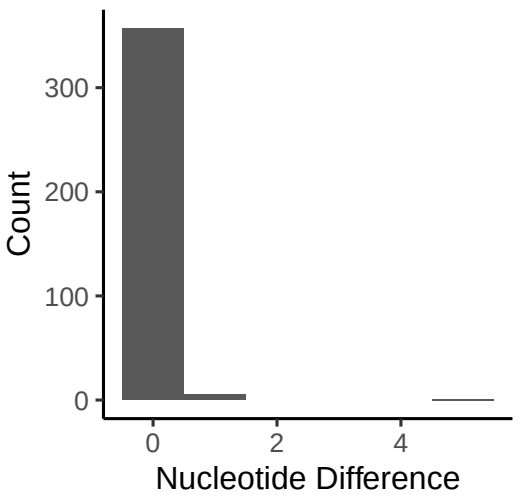
TRBV20−1*ap02

1126 sequences assigned
1116 (99.1%) exact matches, in which:
1099 unique CDR3
13 unique J



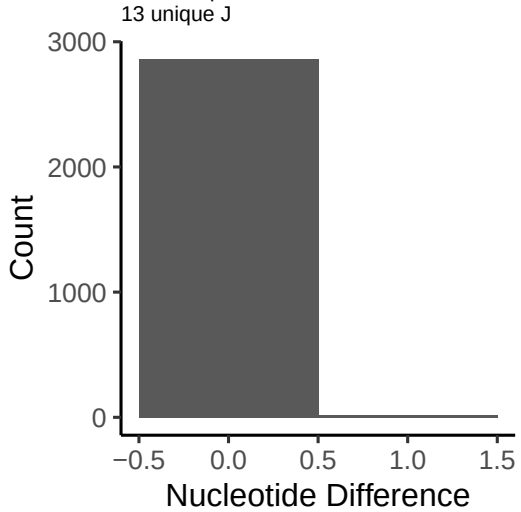
TRBV1*ap01

363 sequences assigned
357 (98.3%) exact matches, in which:
349 unique CDR3
13 unique J



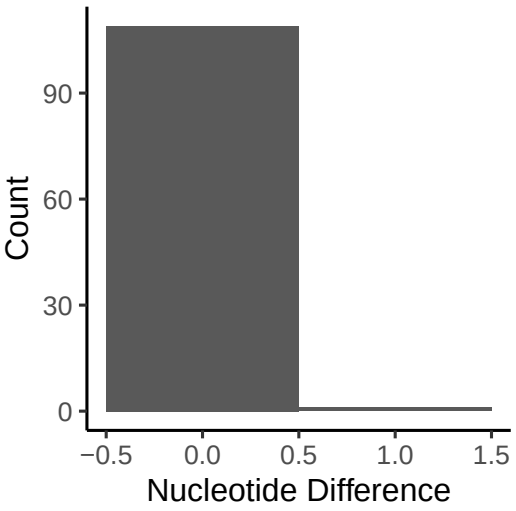
TRBV15*ap02

2880 sequences assigned
2862 (99.4%) exact matches, in which:
2810 unique CDR3
13 unique J



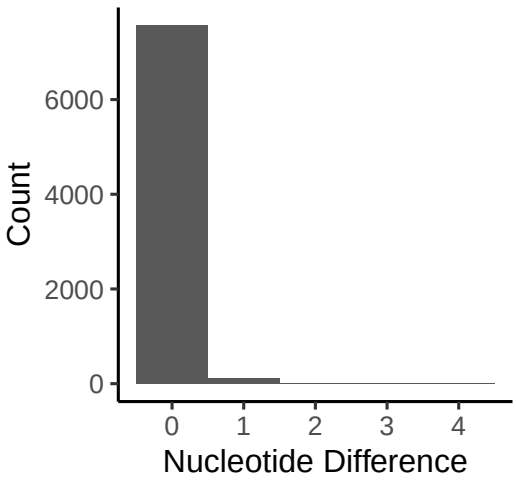
TRBV16*ap01

110 sequences assigned
109 (99.1%) exact matches, in which:
108 unique CDR3
13 unique J



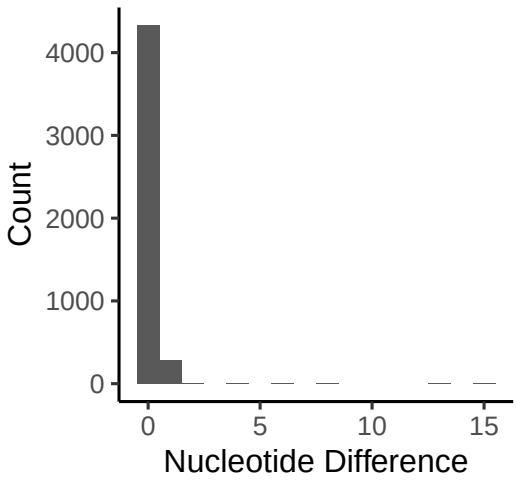
TRBV2*ap01

7680 sequences assigned
7566 (98.5%) exact matches, in which:
7386 unique CDR3
13 unique J



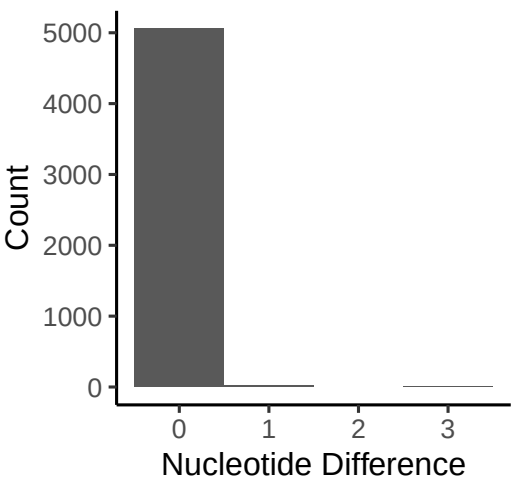
TRBV30*ap01

4620 sequences assigned
4329 (93.7%) exact matches, in which:
4245 unique CDR3
13 unique J



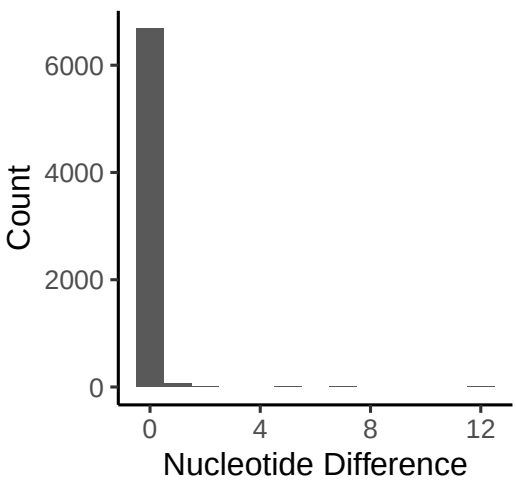
TRBV18*ap01

5078 sequences assigned
5057 (99.6%) exact matches, in which:
5017 unique CDR3
13 unique J



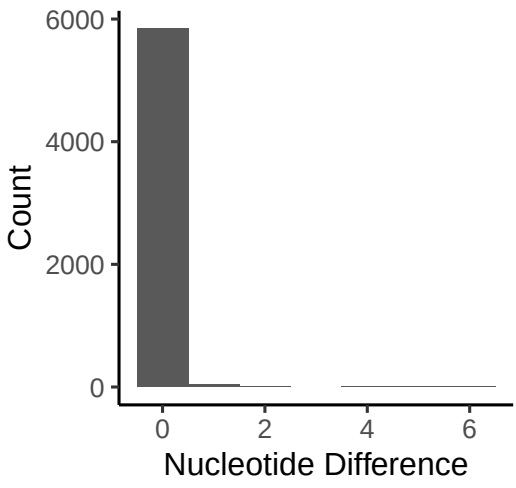
TRBV27*ap01

6745 sequences assigned
6680 (99%) exact matches, in which:
6515 unique CDR3
13 unique J



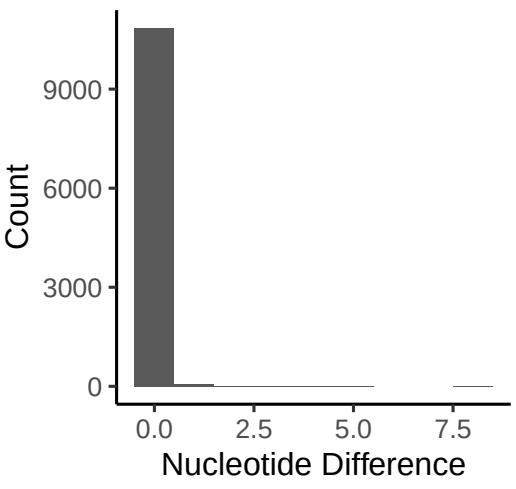
TRBV9*ap01

5892 sequences assigned
5842 (99.2%) exact matches, in which:
5741 unique CDR3
13 unique J



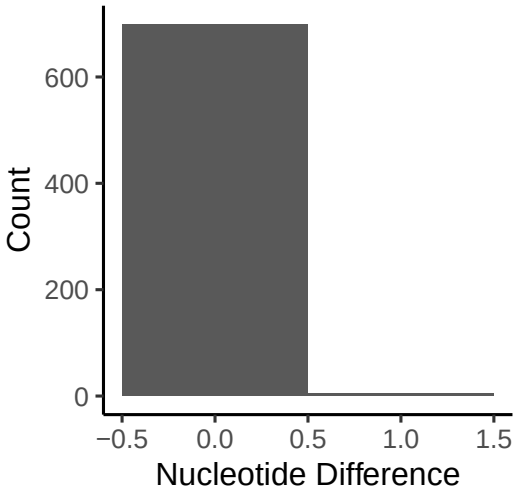
TRBV19*ap01

10923 sequences assigned
10849 (99.3%) exact matches, in which:
10772 unique CDR3
13 unique J



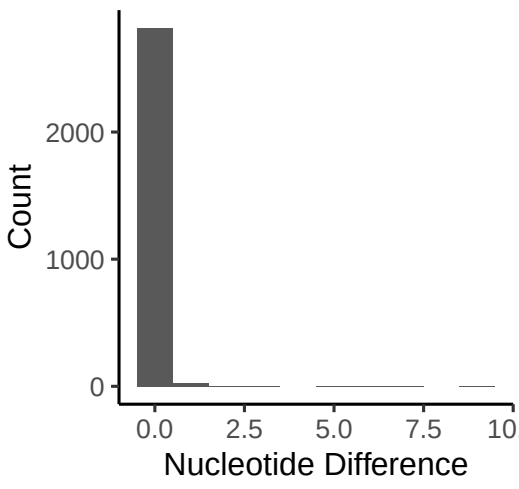
TRBV28*ap01

704 sequences assigned
699 (99.3%) exact matches, in which:
688 unique CDR3
13 unique J



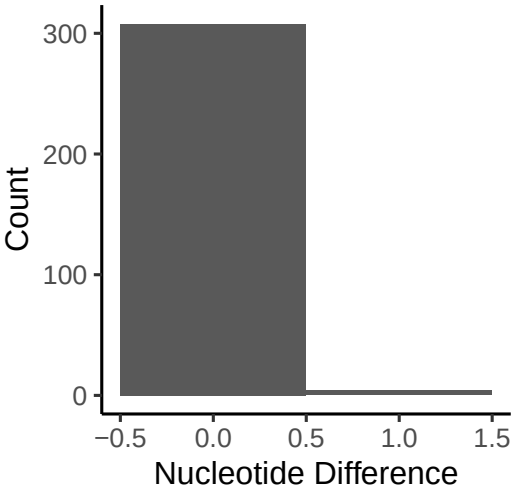
TRBV21−1*ap01

2855 sequences assigned
2818 (98.7%) exact matches, in which:
2784 unique CDR3
13 unique J



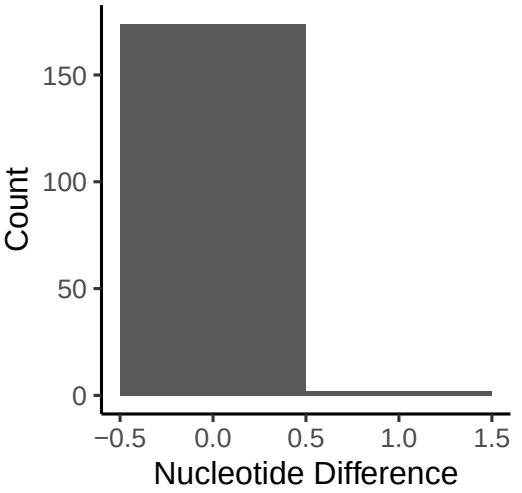
TRBV11−1*ap01

312 sequences assigned
308 (98.7%) exact matches, in which:
305 unique CDR3
13 unique J



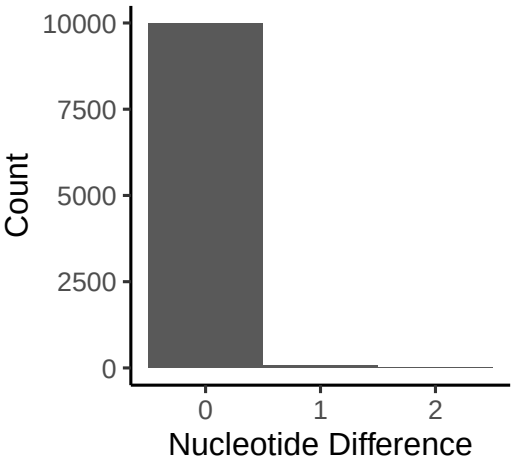
TRBV12−1*ap01

176 sequences assigned
174 (98.9%) exact matches, in which:
173 unique CDR3
13 unique J



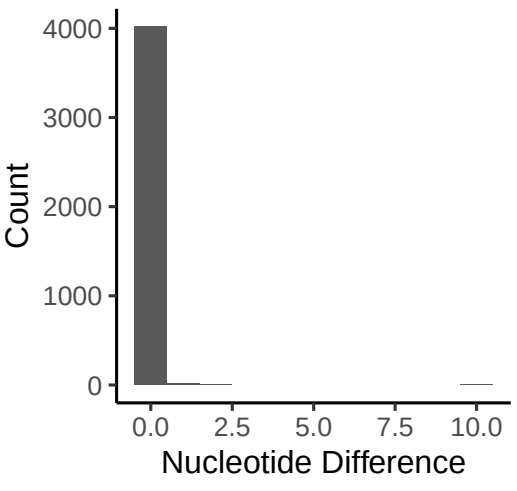
TRBV12−34*ap01

10084 sequences assigned
9995 (99.1%) exact matches, in which:
9820 unique CDR3
13 unique J



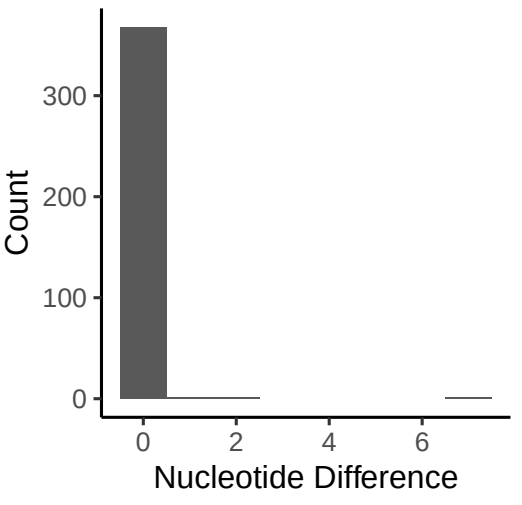
TRBV11−2*ap01

4033 sequences assigned
4018 (99.6%) exact matches, in which:
3974 unique CDR3
13 unique J



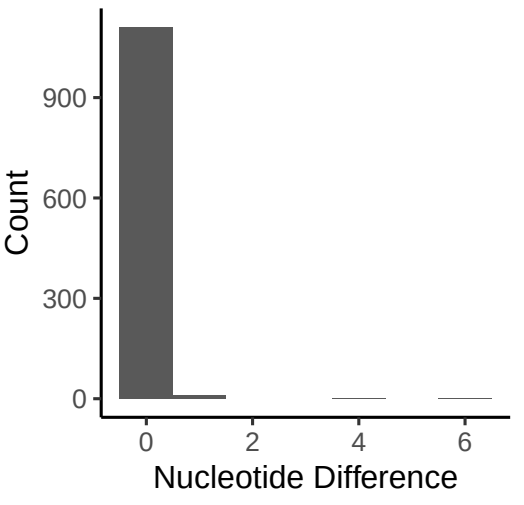
TRBV12−2*ap01

371 sequences assigned
368 (99.2%) exact matches, in which:
364 unique CDR3
13 unique J



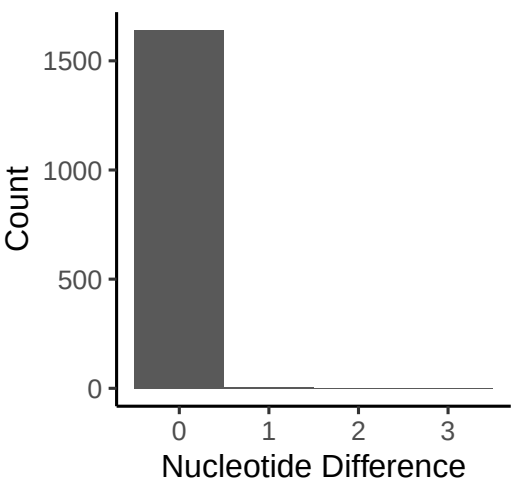
TRBV23−1*ap01

1124 sequences assigned
1111 (98.8%) exact matches, in which:
1095 unique CDR3
13 unique J



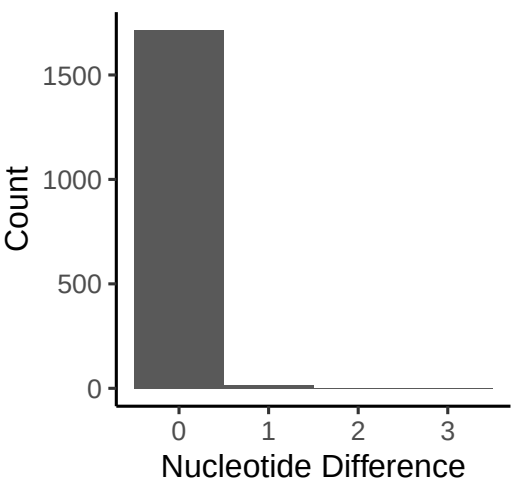
TRBV11−3*ap01

1650 sequences assigned
1641 (99.5%) exact matches, in which:
1628 unique CDR3
13 unique J



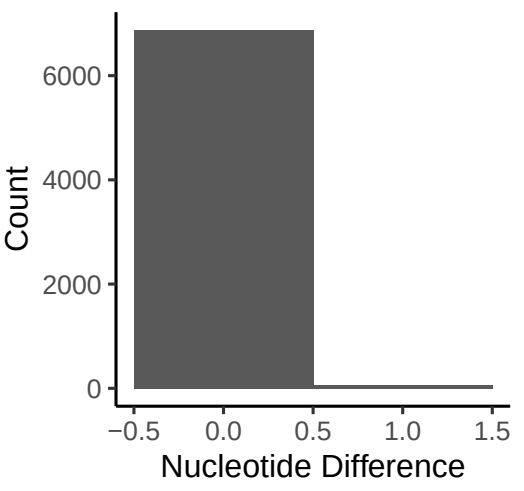
TRBV12−5*ap01

1733 sequences assigned
1715 (99%) exact matches, in which:
1675 unique CDR3
13 unique J



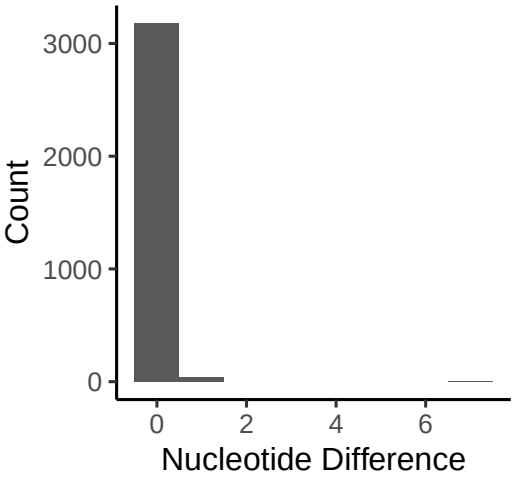
TRBV3−12*ap01

6935 sequences assigned
6875 (99.1%) exact matches, in which:
6732 unique CDR3
13 unique J



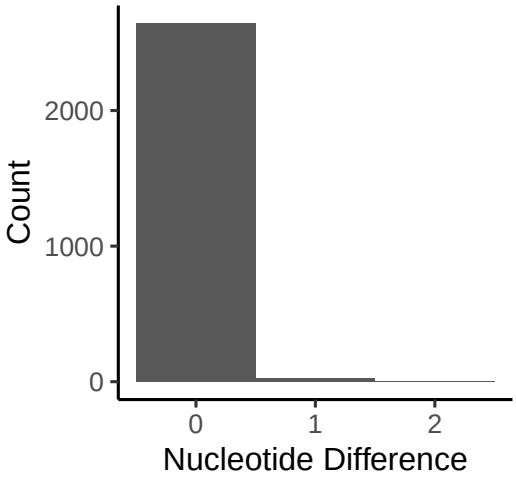
TRBV4−1*ap01

3216 sequences assigned
3178 (98.8%) exact matches, in which:
3091 unique CDR3
13 unique J



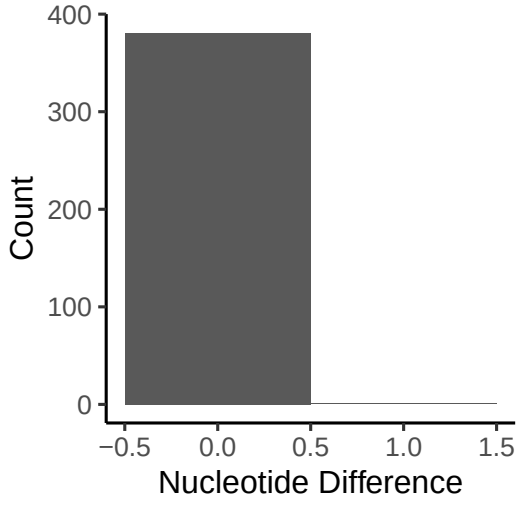
TRBV4−3*ap01

2673 sequences assigned
2643 (98.9%) exact matches, in which:
2570 unique CDR3
13 unique J



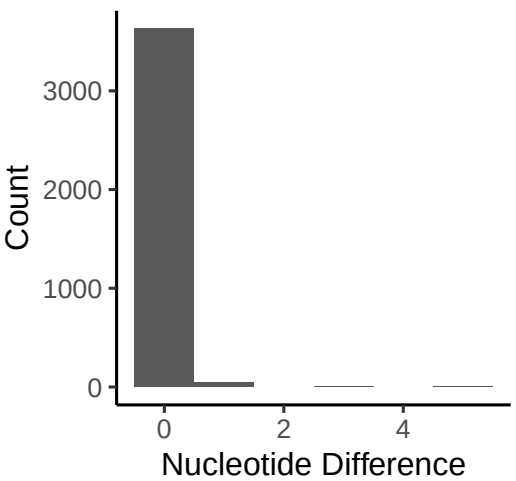
TRBV5−3*ap01

382 sequences assigned
381 (99.7%) exact matches, in which:
378 unique CDR3
13 unique J



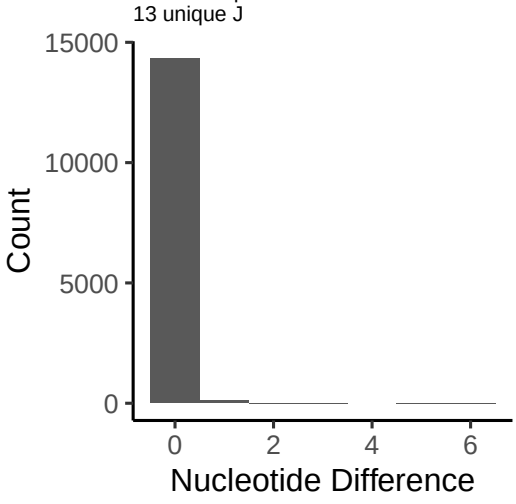
TRBV24−1*ap01

3678 sequences assigned
3629 (98.7%) exact matches, in which:
3539 unique CDR3
13 unique J



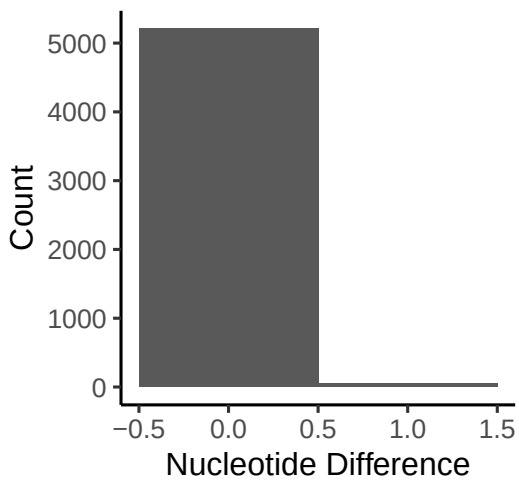
TRBV5−1*ap01

14457 sequences assigned
14329 (99.1%) exact matches, in which:
13946 unique CDR3
13 unique J



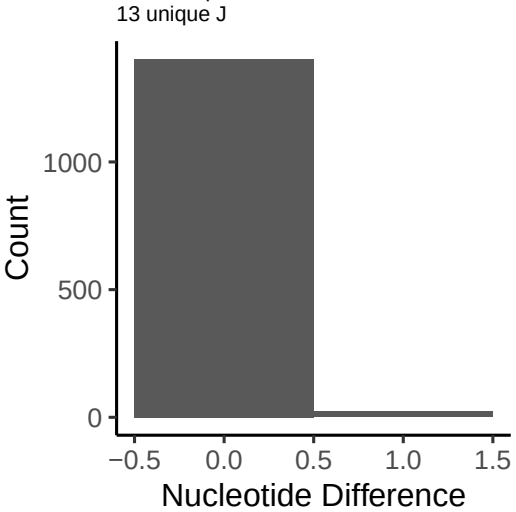
TRBV5−4*ap01

5258 sequences assigned
5209 (99.1%) exact matches, in which:
5102 unique CDR3
13 unique J



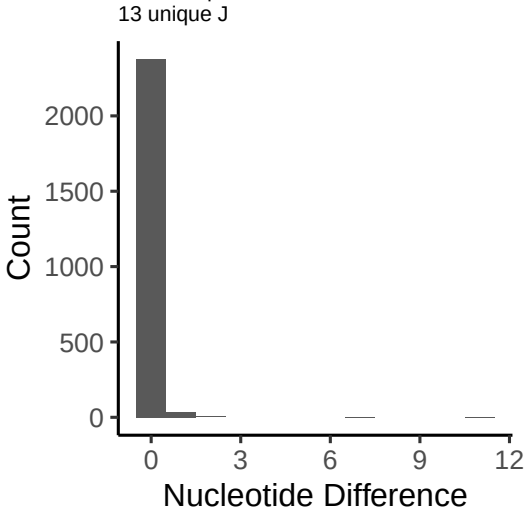
TRBV4−2*ap01

1426 sequences assigned
1403 (98.4%) exact matches, in which:
1368 unique CDR3
13 unique J



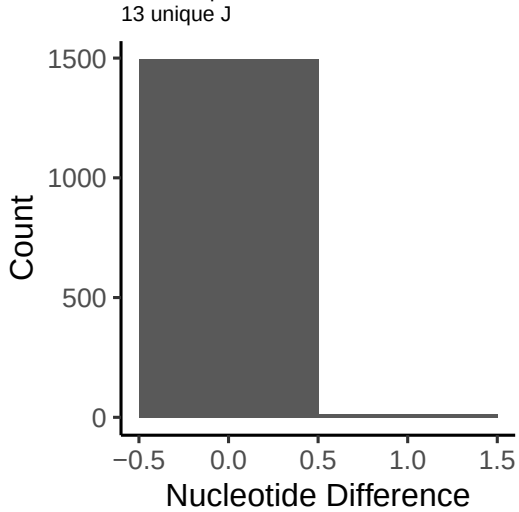
TRBV25−1*ap01

2421 sequences assigned
2377 (98.2%) exact matches, in which:
2310 unique CDR3
13 unique J



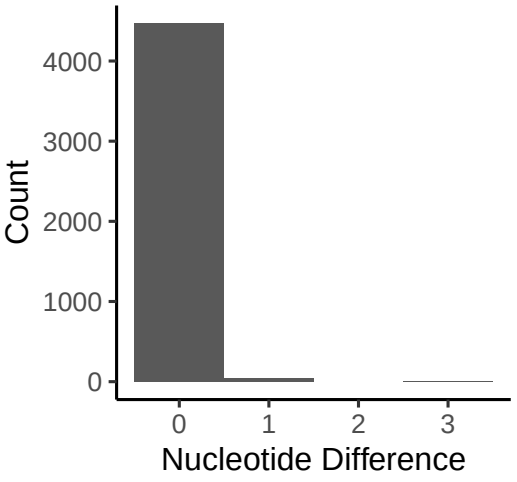
TRBV5−5*ap01

1509 sequences assigned
1496 (99.1%) exact matches, in which:
1480 unique CDR3
13 unique J



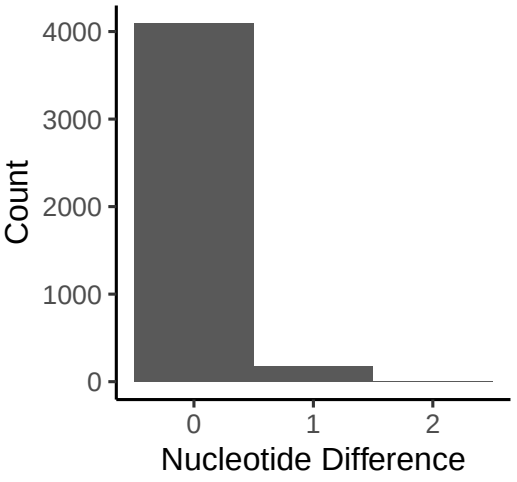
TRBV5−6*ap01

4519 sequences assigned
4469 (98.9%) exact matches, in which:
4321 unique CDR3
13 unique J



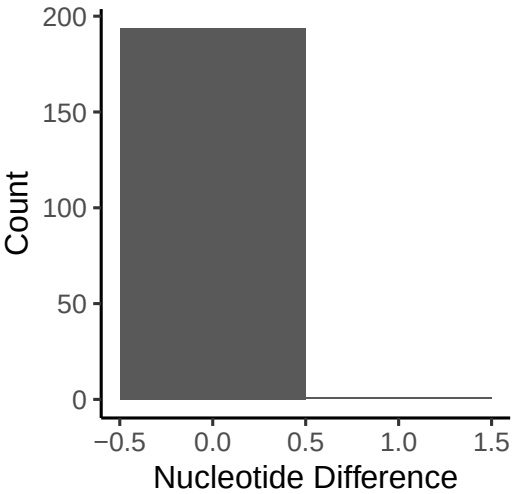
TRBV6−1*ap01

4267 sequences assigned
4093 (95.9%) exact matches, in which:
4006 unique CDR3
13 unique J



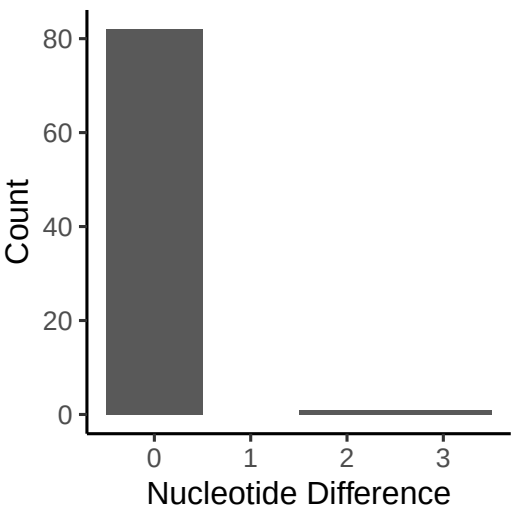
TRBV6−8*ap01

195 sequences assigned
194 (99.5%) exact matches, in which:
186 unique CDR3
13 unique J



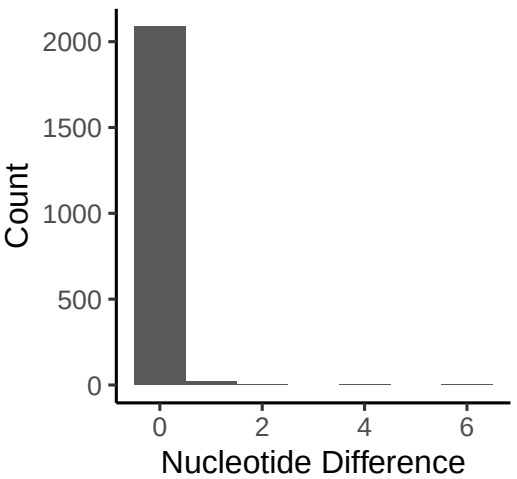
TRBV5−7*ap01

84 sequences assigned
82 (97.6%) exact matches, in which:
79 unique CDR3
11 unique J



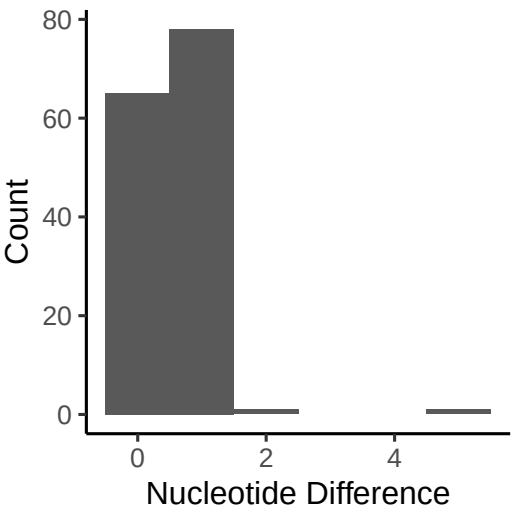
TRBV6−4*ap01

2113 sequences assigned
2087 (98.8%) exact matches, in which:
2059 unique CDR3
13 unique J



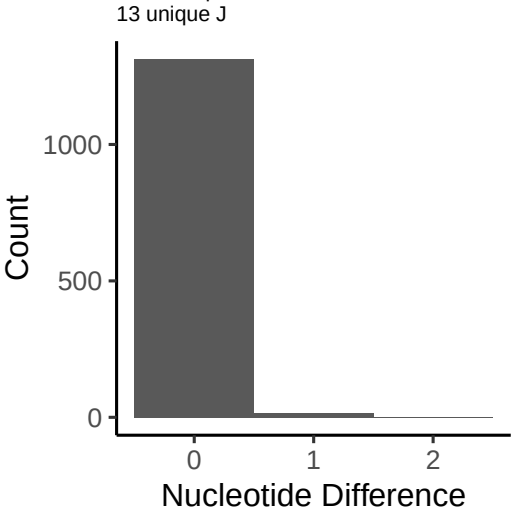
TRBV6−9*ap01

145 sequences assigned
65 (44.8%) exact matches, in which:
62 unique CDR3
11 unique J



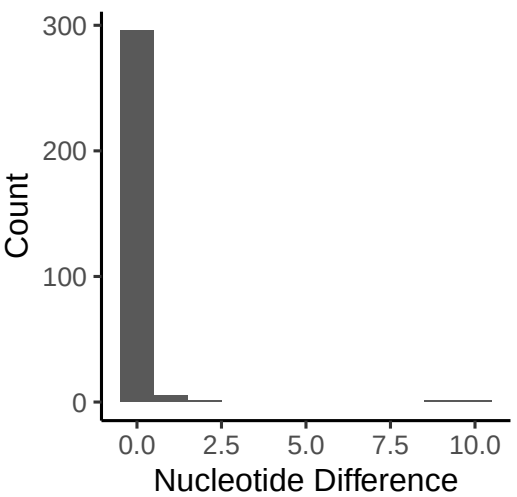
TRBV5−8*ap01

1329 sequences assigned
1313 (98.8%) exact matches, in which:
1297 unique CDR3
13 unique J



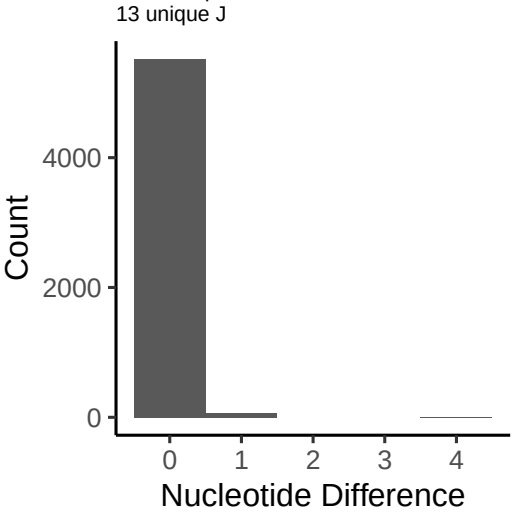
TRBV6−7*ap01

304 sequences assigned
296 (97.4%) exact matches, in which:
286 unique CDR3
13 unique J



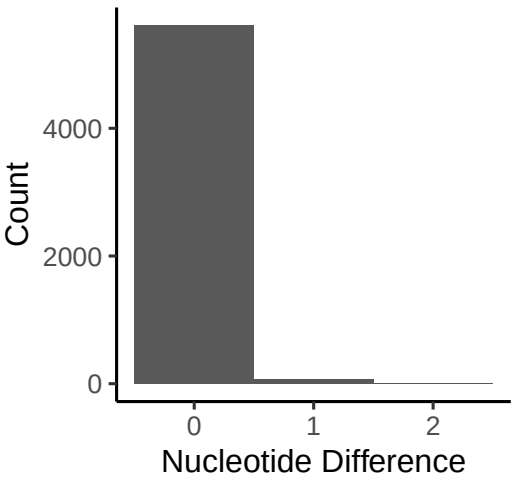
TRBV6−23*ap01

5583 sequences assigned
5519 (98.9%) exact matches, in which:
5340 unique CDR3
13 unique J



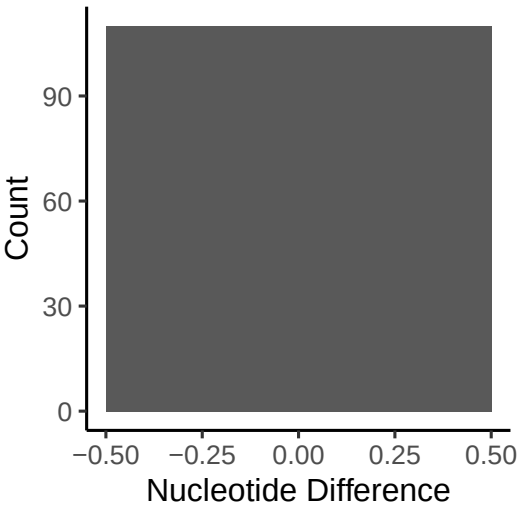
TRBV6−56*ap01

5677 sequences assigned
5612 (98.9%) exact matches, in which:
5453 unique CDR3
13 unique J



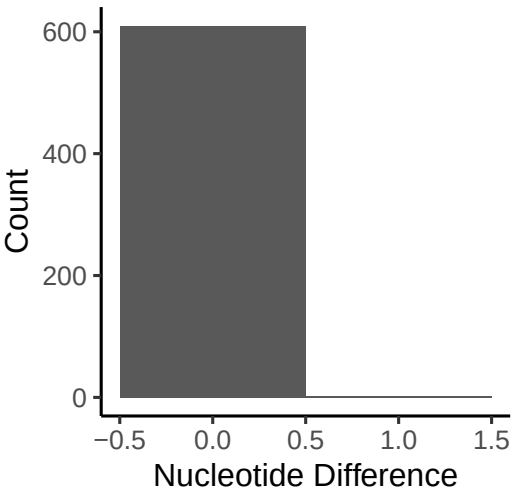
TRBV7−1*ap01_G291C_T

110 sequences assigned
110 (100%) exact matches, in which:
106 unique CDR3
13 unique J



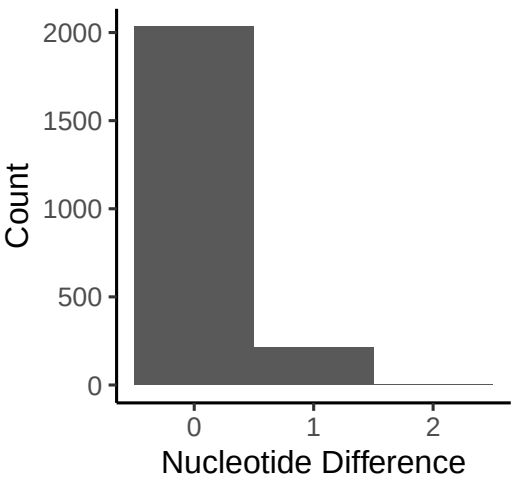
TRBV7−3*ap02

612 sequences assigned
610 (99.7%) exact matches, in which:
595 unique CDR3
13 unique J



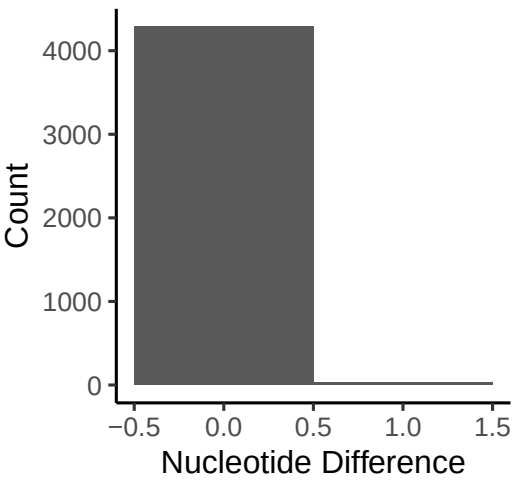
TRBV6−56*ap02

2246 sequences assigned
2033 (90.5%) exact matches, in which:
1961 unique CDR3
13 unique J



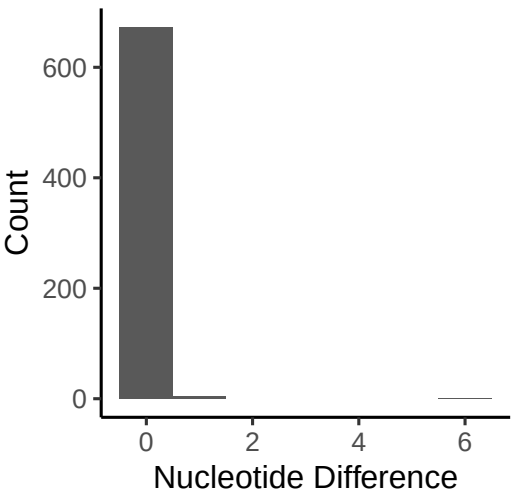
TRBV7−2*ap01

4315 sequences assigned
4287 (99.4%) exact matches, in which:
4214 unique CDR3
13 unique J



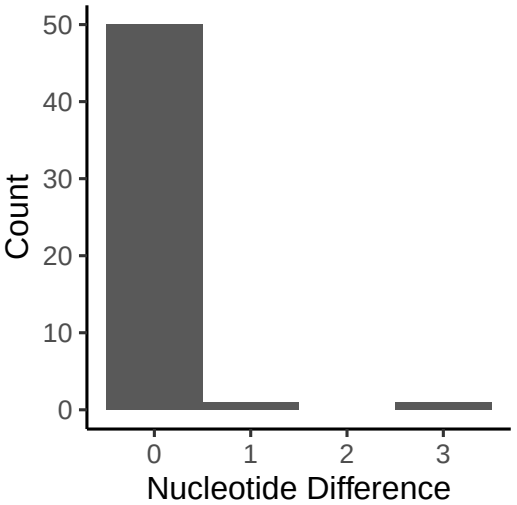
TRBV7−3*ap03

679 sequences assigned
673 (99.1%) exact matches, in which:
666 unique CDR3
13 unique J



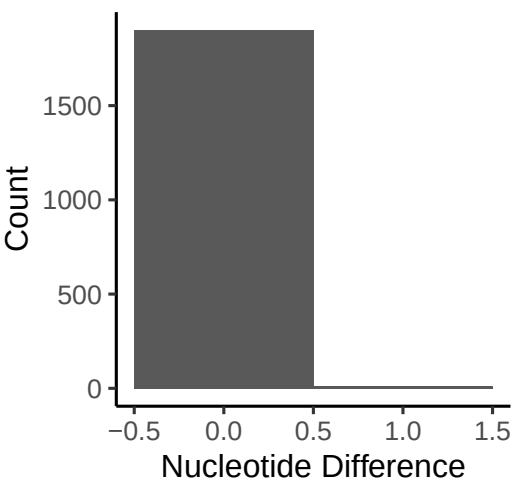
TRBV7−1*ap01_G291C_T

52 sequences assigned
50 (96.2%) exact matches, in which:
49 unique CDR3
12 unique J



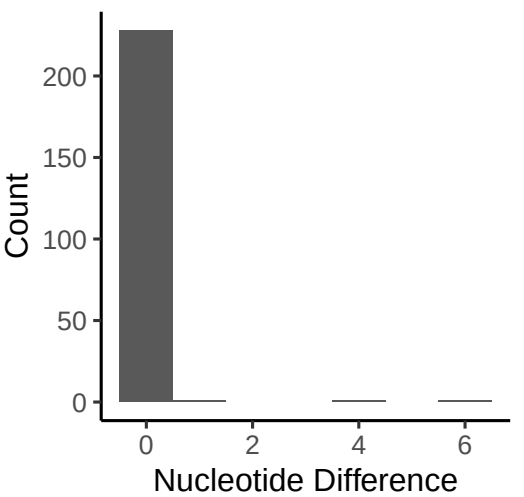
TRBV7−2*ap01_G297A

1914 sequences assigned
1901 (99.3%) exact matches, in which:
1887 unique CDR3
13 unique J



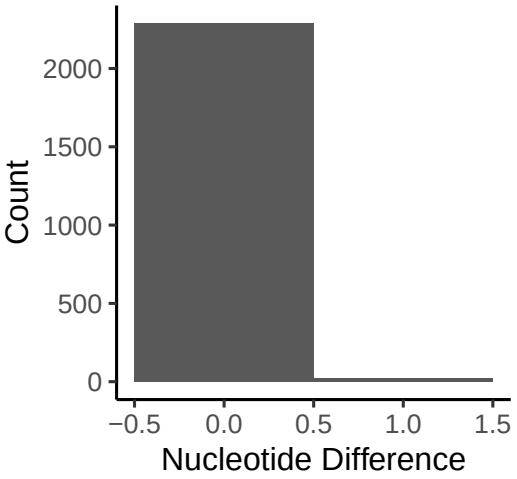
TRBV7−4*ap01

231 sequences assigned
228 (98.7%) exact matches, in which:
223 unique CDR3
13 unique J



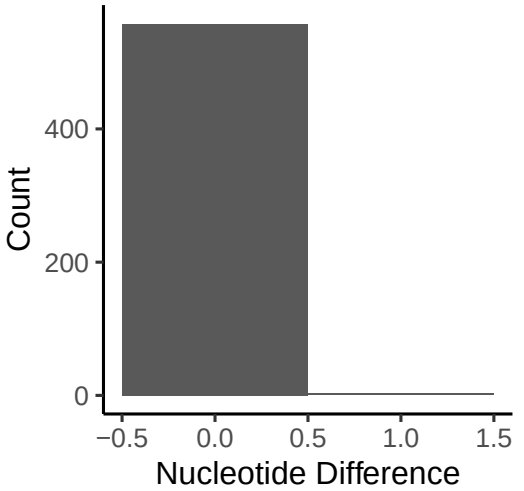
TRBV7−6*ap01

2308 sequences assigned
2288 (99.1%) exact matches, in which:
2257 unique CDR3
13 unique J



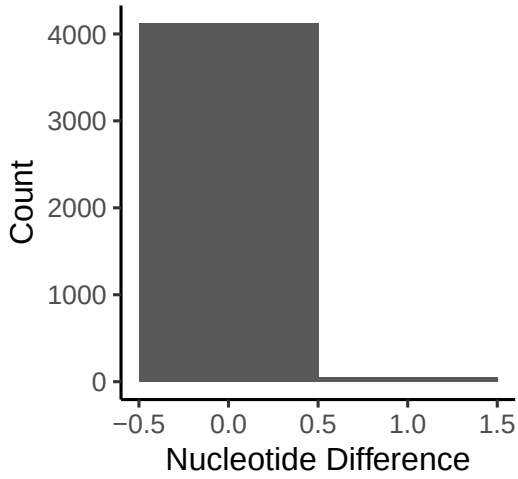
TRBV7−8*ap03

561 sequences assigned
558 (99.5%) exact matches, in which:
542 unique CDR3
13 unique J



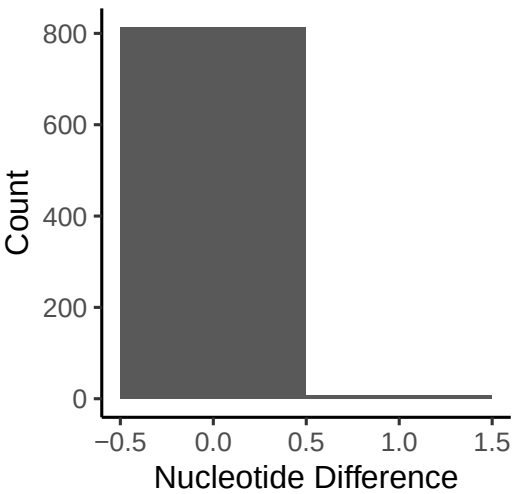
TRBV29−1*ap01

4178 sequences assigned
4121 (98.6%) exact matches, in which:
4008 unique CDR3
13 unique J



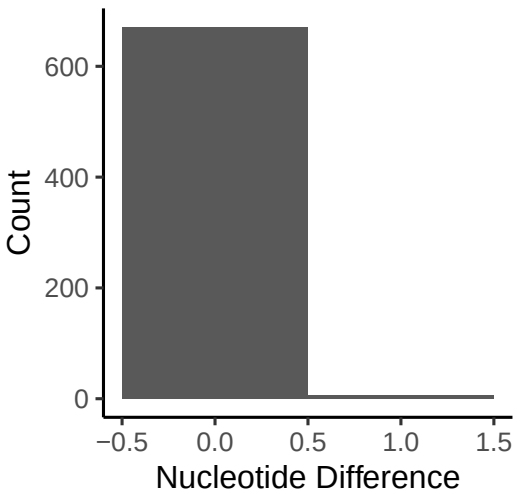
TRBV7−7*ap01

821 sequences assigned
814 (99.1%) exact matches, in which:
801 unique CDR3
13 unique J



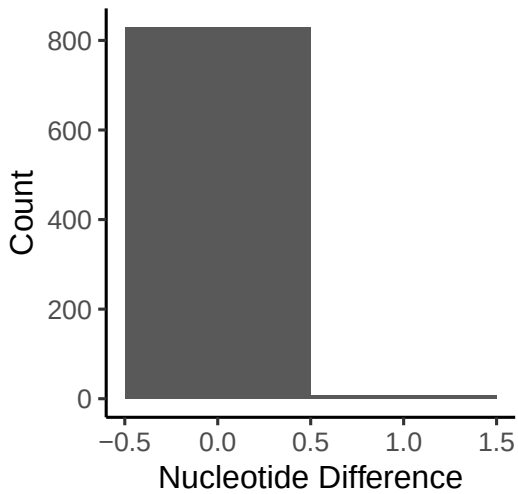
TRBV7−8*ap03_C297A

678 sequences assigned
671 (99%) exact matches, in which:
664 unique CDR3
13 unique J



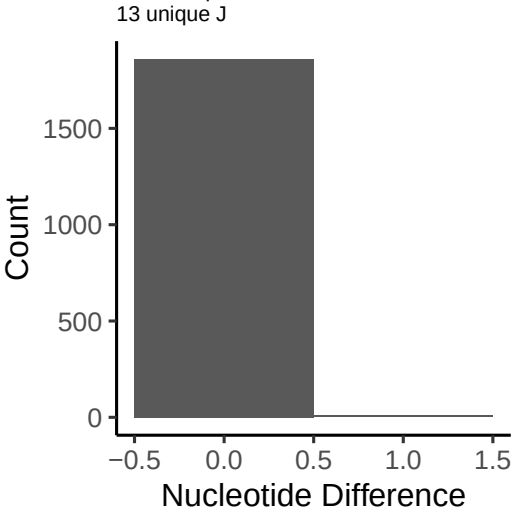
TRBV29−1*ap02

838 sequences assigned
830 (99%) exact matches, in which:
804 unique CDR3
13 unique J



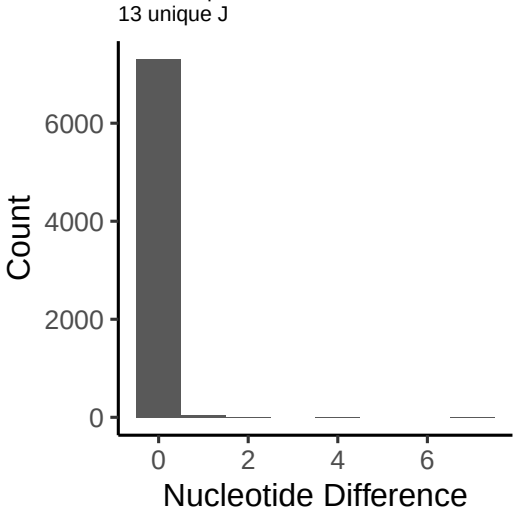
TRBV7−8*ap01

1869 sequences assigned
1860 (99.5%) exact matches, in which:
1830 unique CDR3
13 unique J

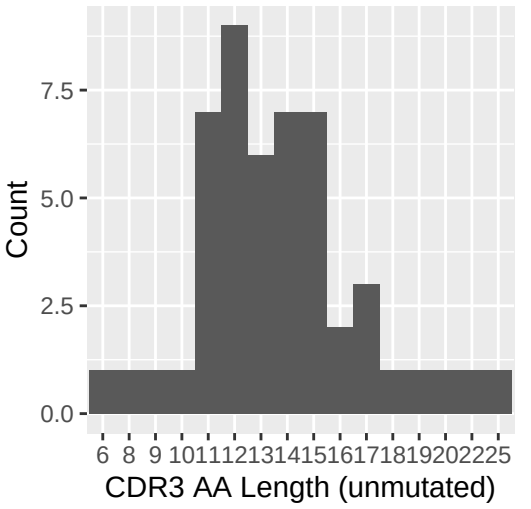


TRBV7−9*ap01

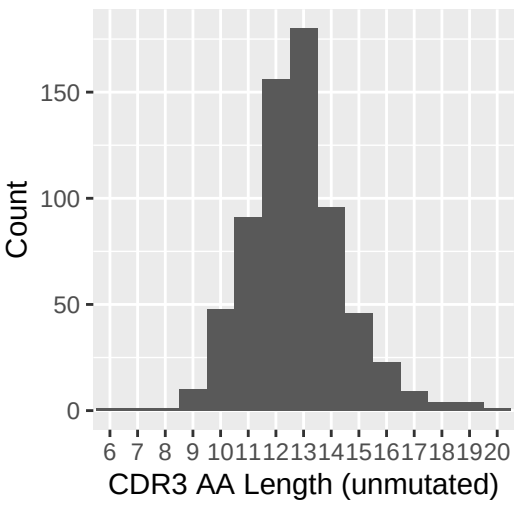
7359 sequences assigned
7309 (99.3%) exact matches, in which:
7211 unique CDR3
13 unique J



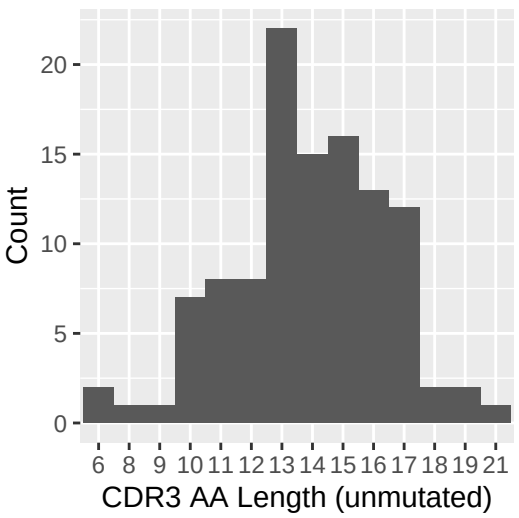
TRBV7−1*ap01_G291C_T2



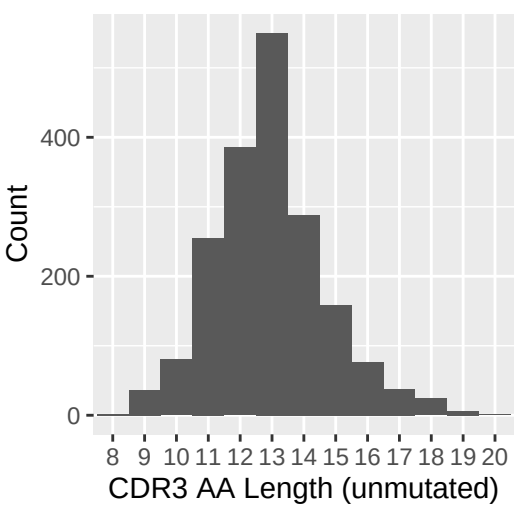
TRBV7−8*ap03_C297A

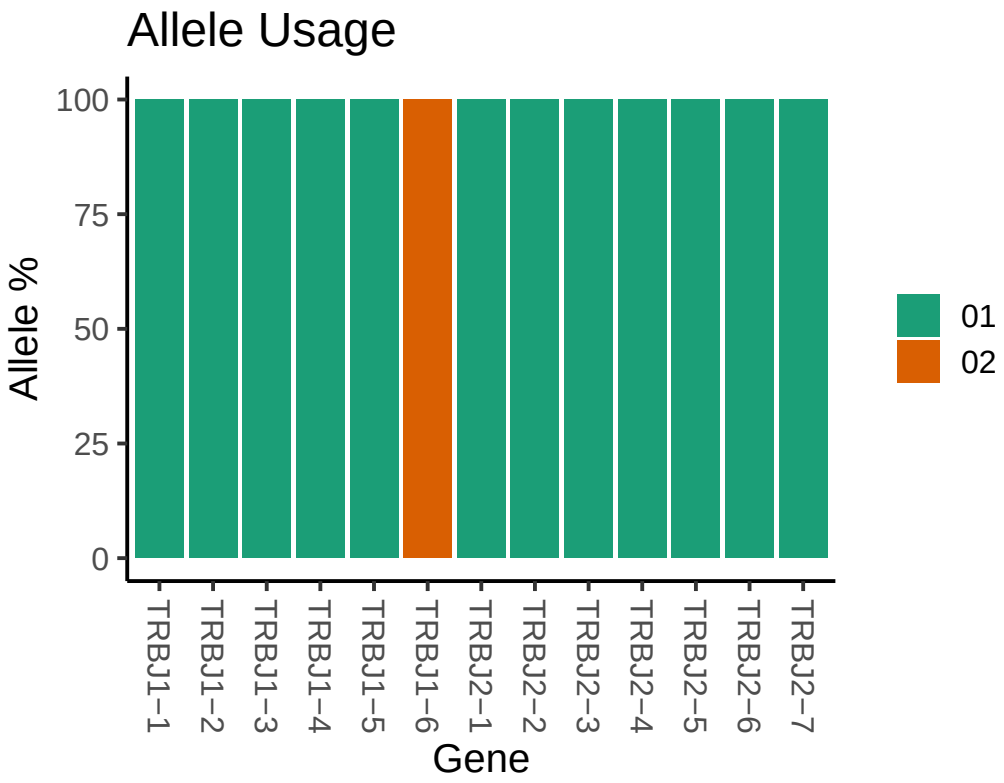


TRBV7−1*ap01_G291C_T296C_C314T



TRBV7−2*ap01_G297A




Allele Usage
Allele %
100
75
50
25
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TRBJ1−1
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TRBJ1−3
TRBJ1−4
TRBJ1−5
TRBJ1−6
TRBJ2−1
TRBJ2−2
TRBJ2−3
TRBJ2−4
TRBJ2−5
TRBJ2−6
TRBJ2−7
Gene
01
02

Warning − no inferred sequences found.

Warning − no inferred sequences found.

Warning − no inferred sequences found.