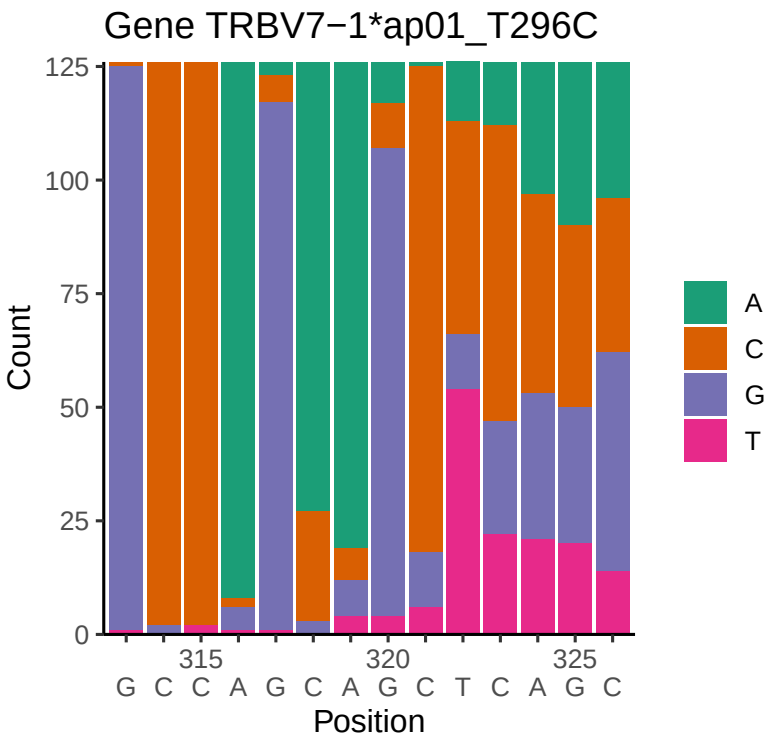
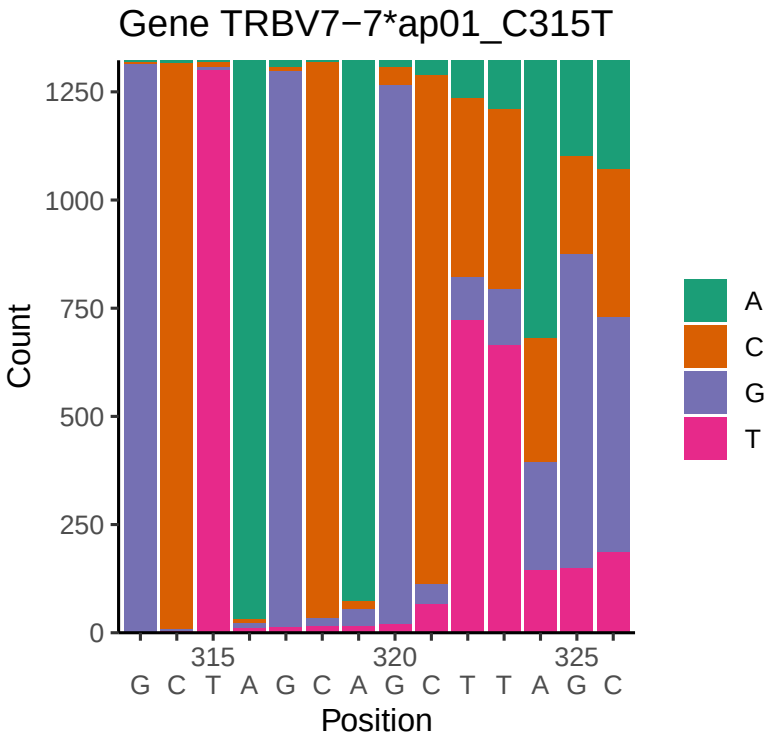
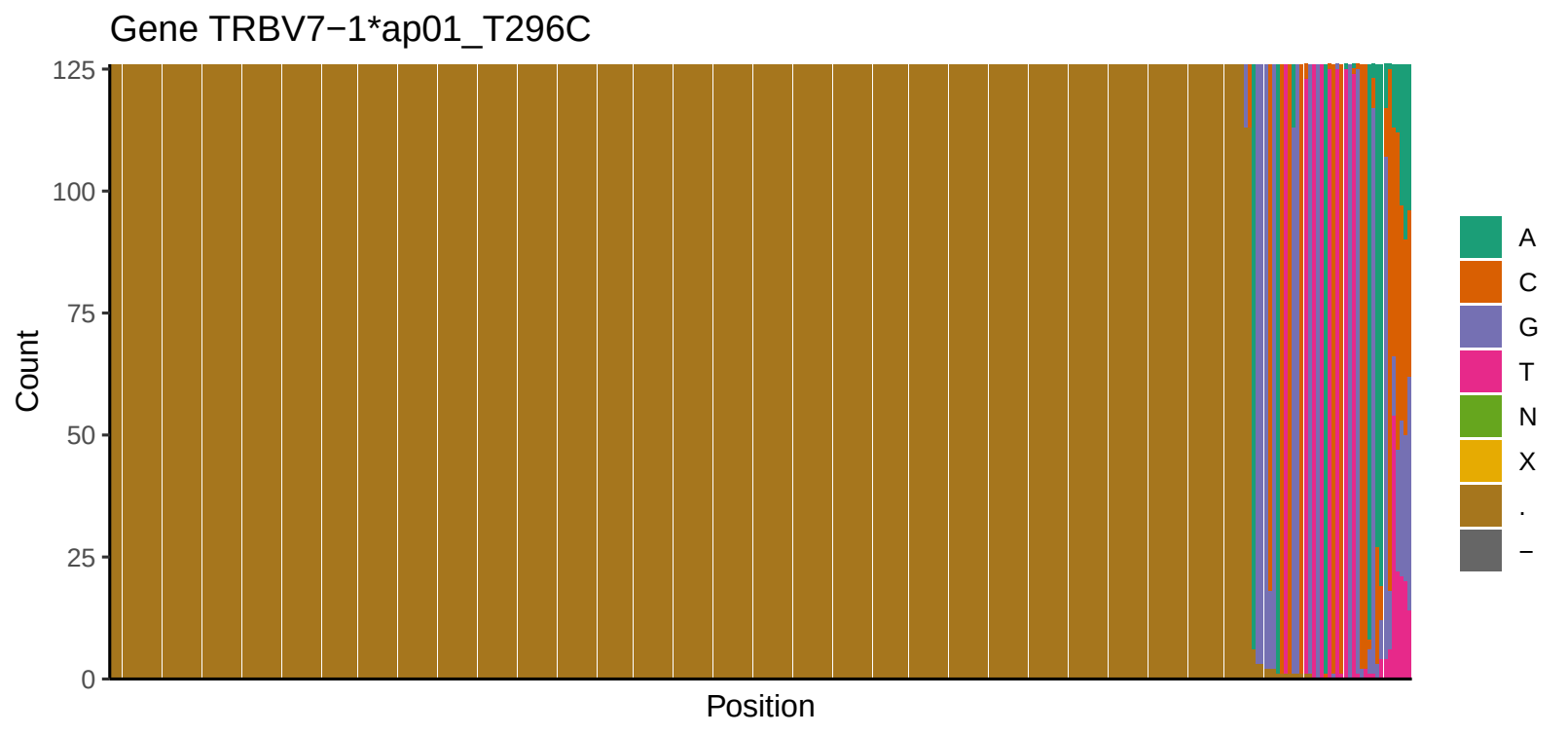
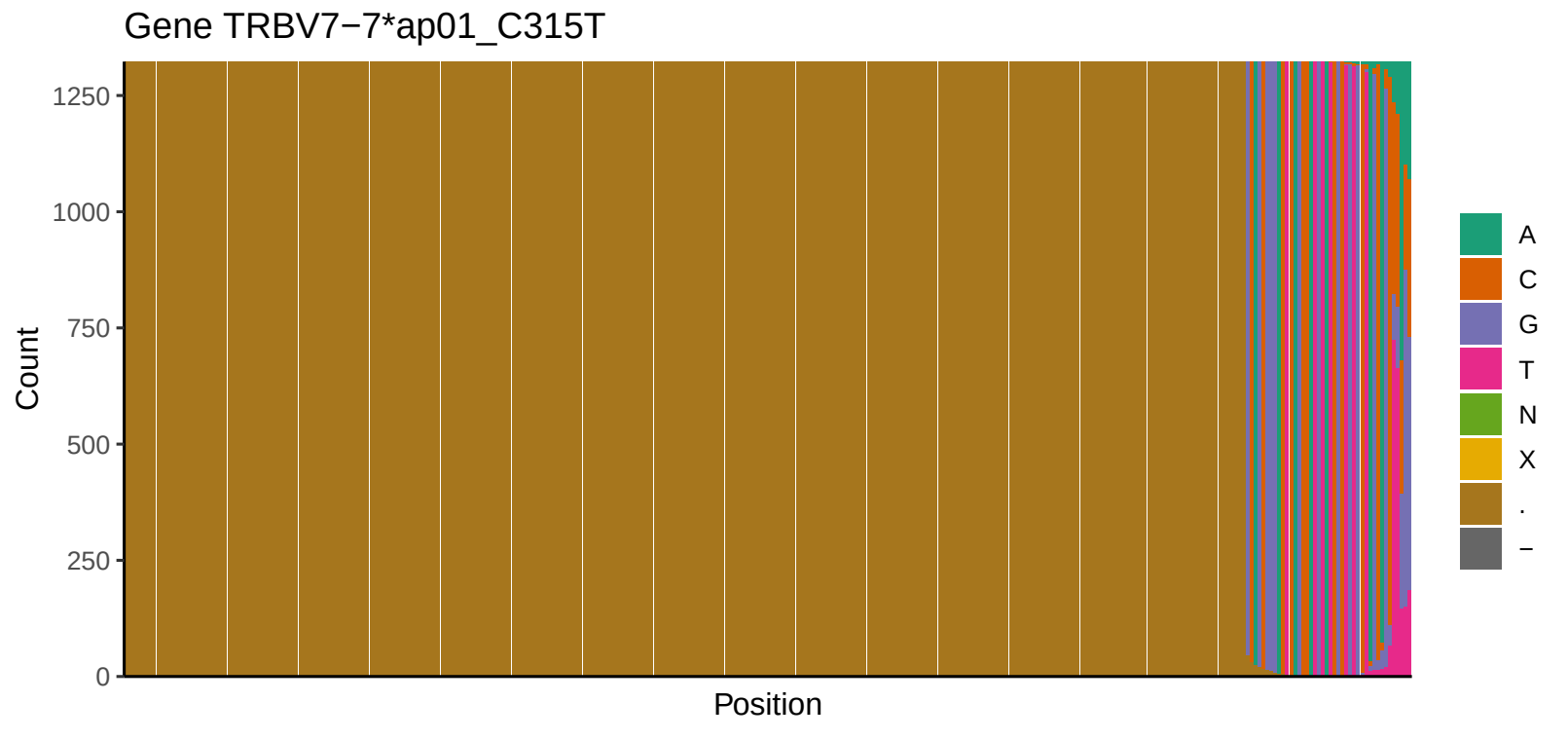
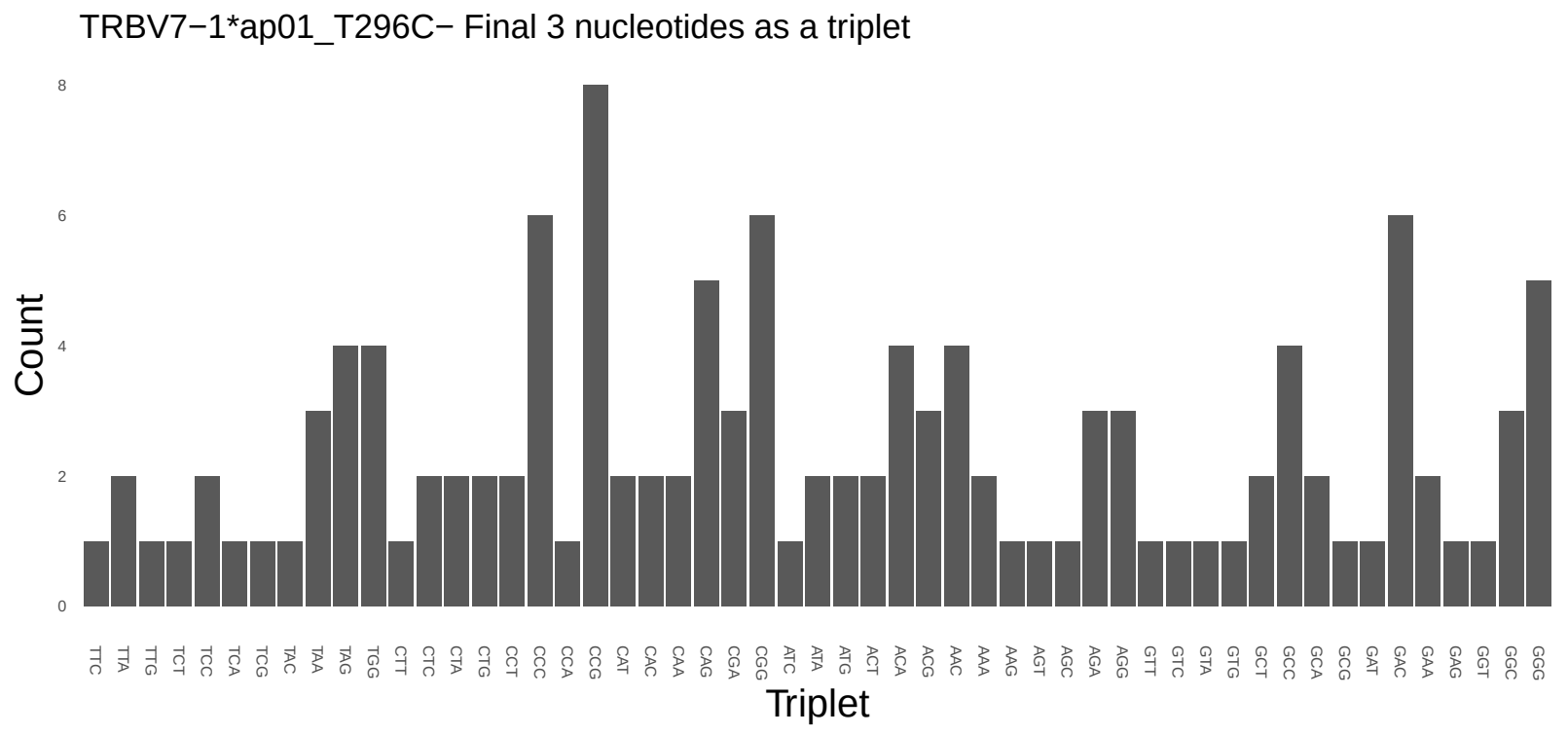
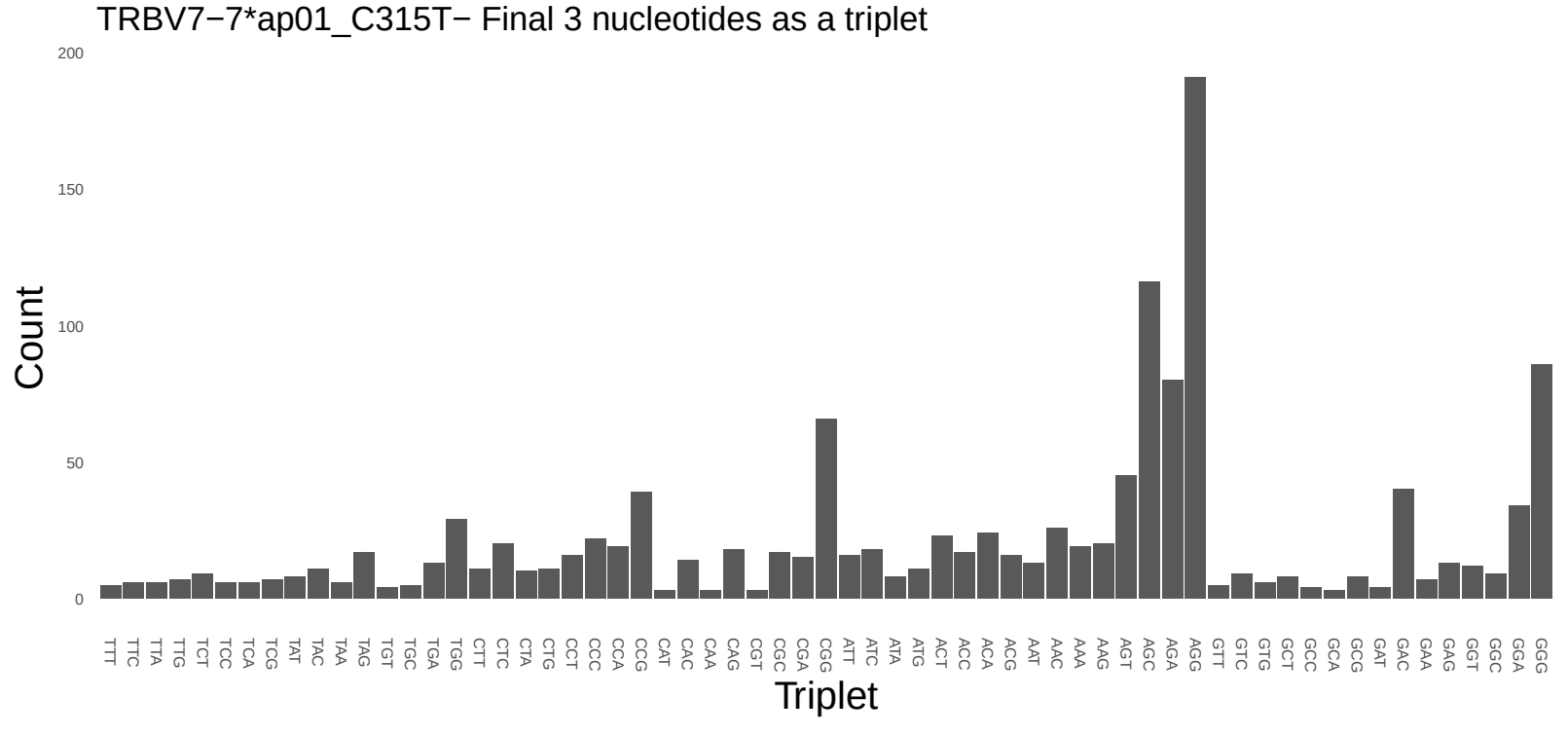

Gene TRBV7−1*ap01_T296C
Count
125
100
75
50
25
0
315
320
325
G C C A G C A G C T C A G C
Position
A
C
G
T


Gene TRBV7−7*ap01_C315T
Count
1250
1000
750
500
250
0
315
320
325
G C T A G C A G C T T A G C
Position
A
C
G
T


Gene TRBV7−1*ap01_T296C
125
100
75
50
25
0
Count
Position
A
C
G
T
N
X
.
−

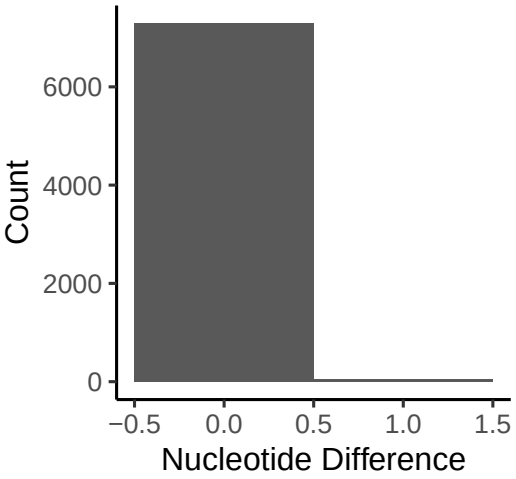

Gene TRBV7−7*ap01_C315T
1250
1000
750
500
250
0
Count
Position
A
C
G
T
N
X
.
−


TRBV7−1*ap01_T296C− Final 3 nucleotides as a triplet
Count
0
2
4
6
8
TTC TTA TTG TCT TCC TCA TCG TAC TAA TAG TGG CTT CTC CTA CTG CCT CCC CCA CCG CAT CAC CAA CAG CGA CGG ATC ATA ATG ACT ACA ACG AAC AAA AAG AGT AGC AGA AGG GTT GTC GTA GTG GCT GCC GCA GCG GAT GAC GAA GAG GGT GGC GGG
Triplet


TRBV7−7*ap01_C315T− Final 3 nucleotides as a triplet
Count
0
50
100
150
200
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 GTG GCT GCC GCA GCG GAT GAC GAA GAG GGT GGC GGA GGG
Triplet

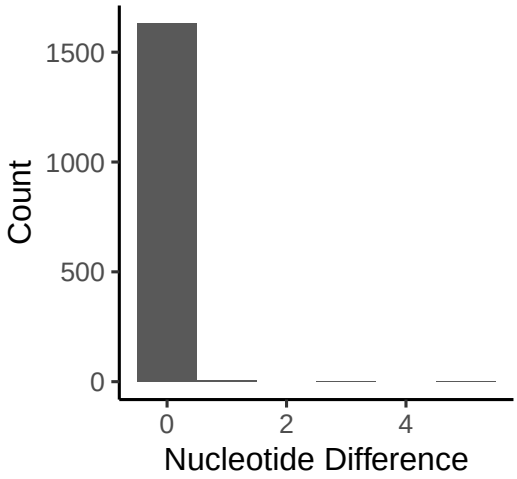
TRBV20−1*ap01

7342 sequences assigned
7291 (99.3%) exact matches, in which:
7214 unique CDR3
13 unique J



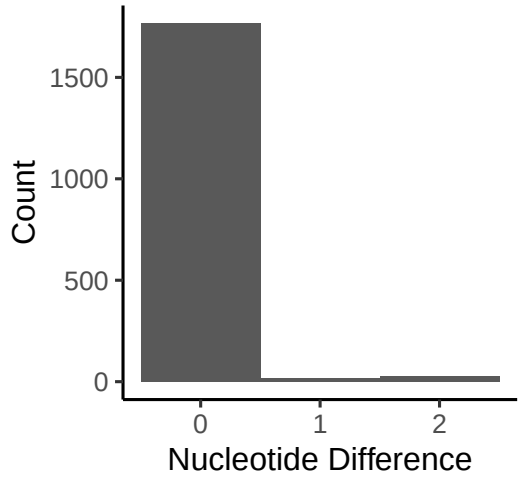
TRBV10−2*ap01

1642 sequences assigned
1631 (99.3%) exact matches, in which:
1602 unique CDR3
13 unique J



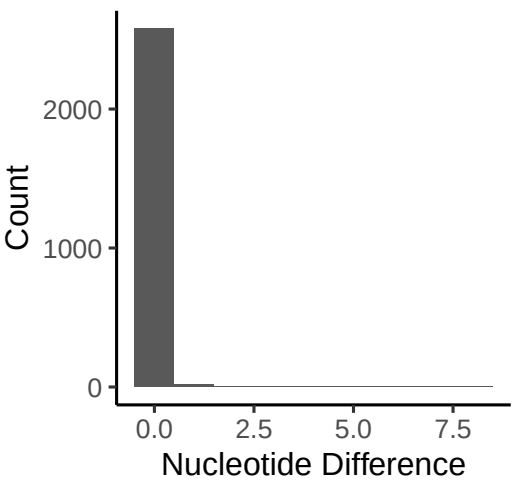
TRBV13*ap01

1809 sequences assigned
1766 (97.6%) exact matches, in which:
1727 unique CDR3
13 unique J



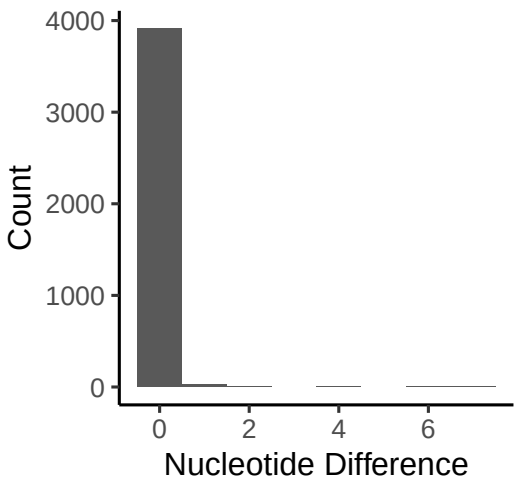
TRBV10−1*ap01

2607 sequences assigned
2578 (98.9%) exact matches, in which:
2548 unique CDR3
13 unique J



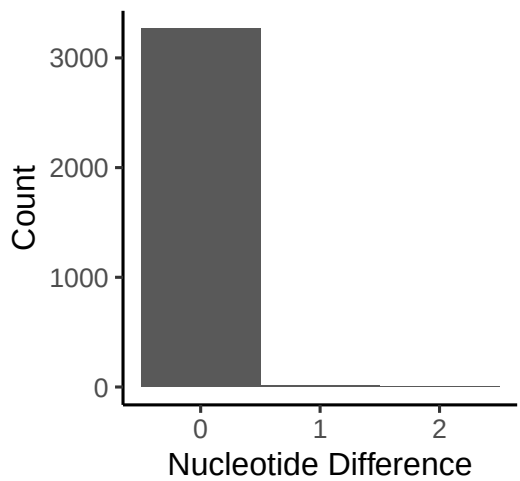
TRBV10−3*ap01

3947 sequences assigned
3911 (99.1%) exact matches, in which:
3855 unique CDR3
13 unique J



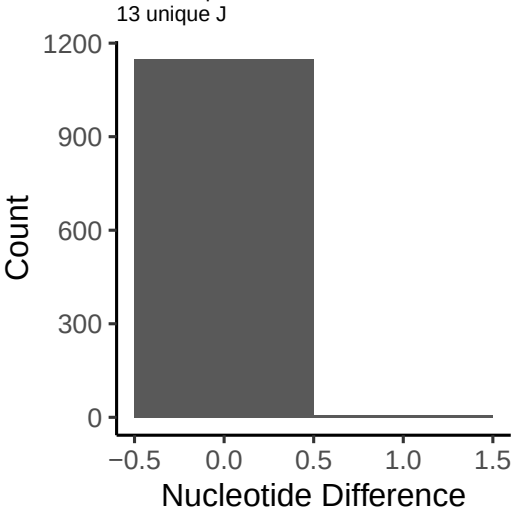
TRBV14*ap01

3280 sequences assigned
3266 (99.6%) exact matches, in which:
3224 unique CDR3
13 unique J



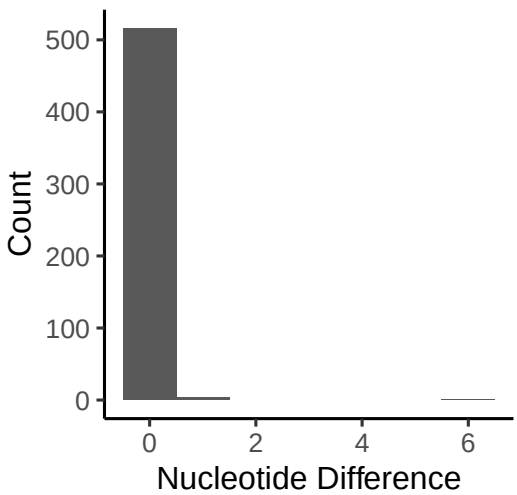
TRBV20−1*ap02

1157 sequences assigned
1149 (99.3%) exact matches, in which:
1131 unique CDR3
13 unique J



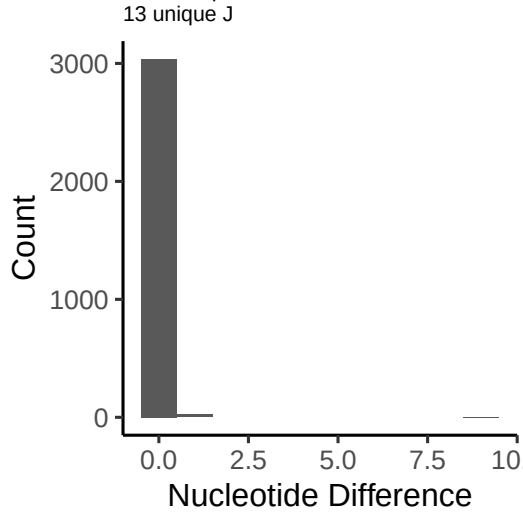
TRBV1*ap01

520 sequences assigned
516 (99.2%) exact matches, in which:
503 unique CDR3
13 unique J



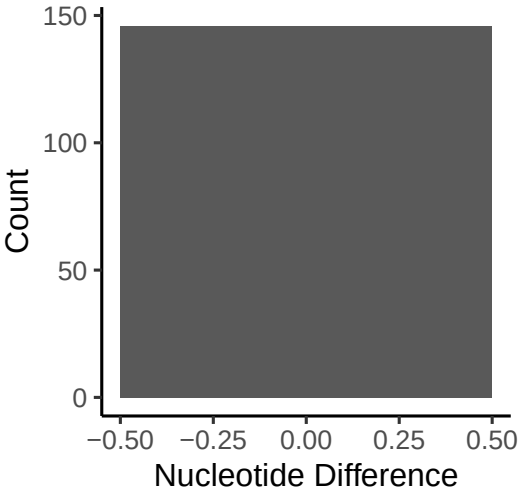
TRBV15*ap02

3061 sequences assigned
3037 (99.2%) exact matches, in which:
2980 unique CDR3
13 unique J



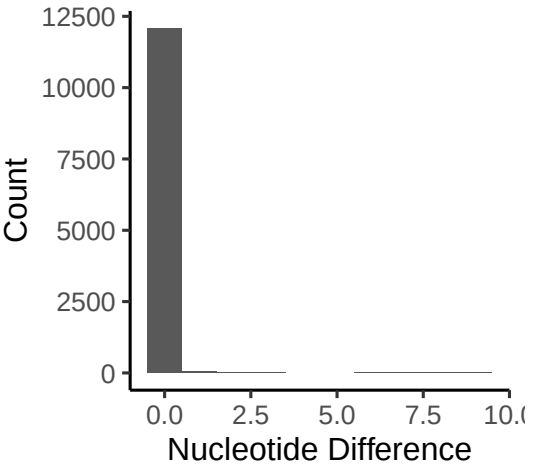
TRBV16*ap01

146 sequences assigned
146 (100%) exact matches, in which:
146 unique CDR3
13 unique J



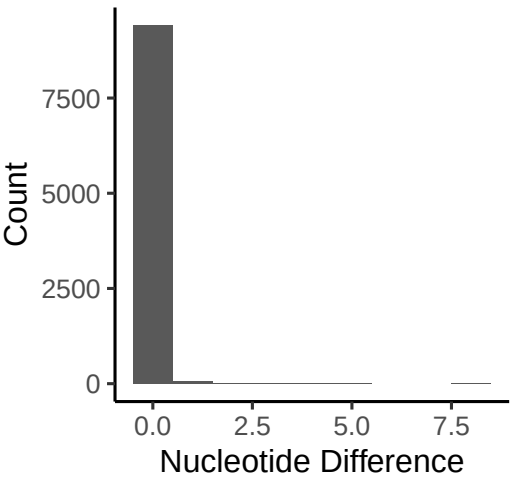
TRBV19*ap01

12163 sequences assigned
12085 (99.4%) exact matches, in which:
11997 unique CDR3
13 unique J



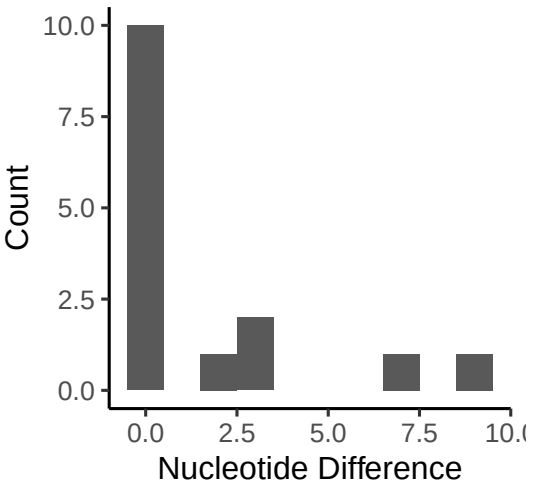
TRBV27*ap01

9491 sequences assigned
9407 (99.1%) exact matches, in which:
9276 unique CDR3
13 unique J



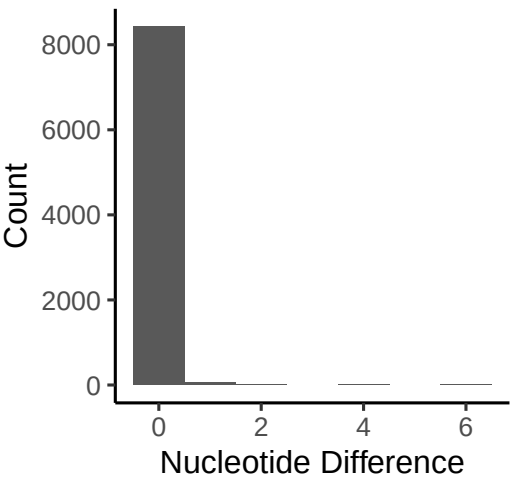
TRBV17*ap01

15 sequences assigned
10 (66.7%) exact matches, in which:
10 unique CDR3
7 unique J



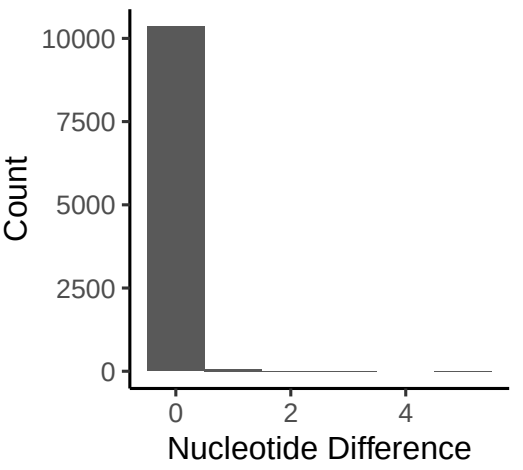
TRBV2*ap01

8492 sequences assigned
8423 (99.2%) exact matches, in which:
8331 unique CDR3
13 unique J



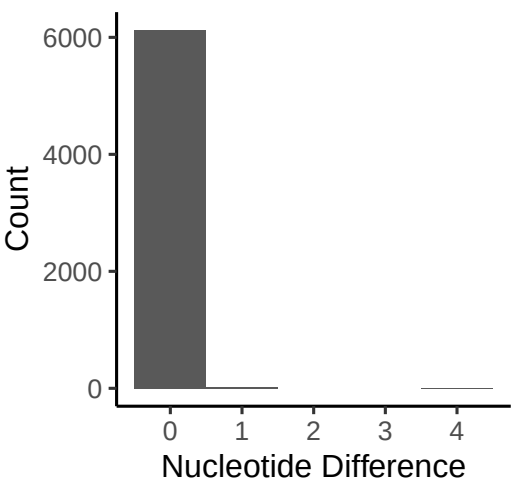
TRBV28*ap01

10433 sequences assigned
10358 (99.3%) exact matches, in which:
10220 unique CDR3
14 unique J



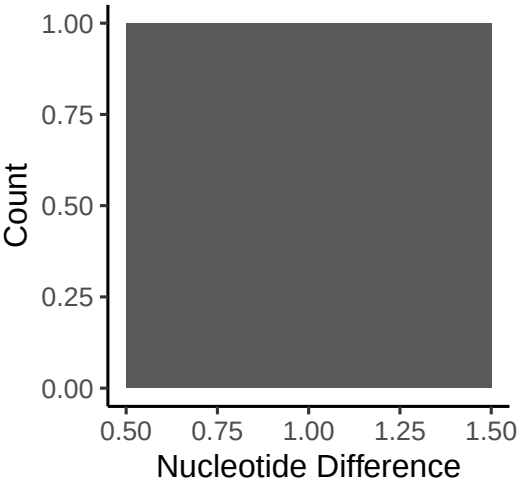
TRBV18*ap01

6151 sequences assigned
6125 (99.6%) exact matches, in which:
6073 unique CDR3
13 unique J



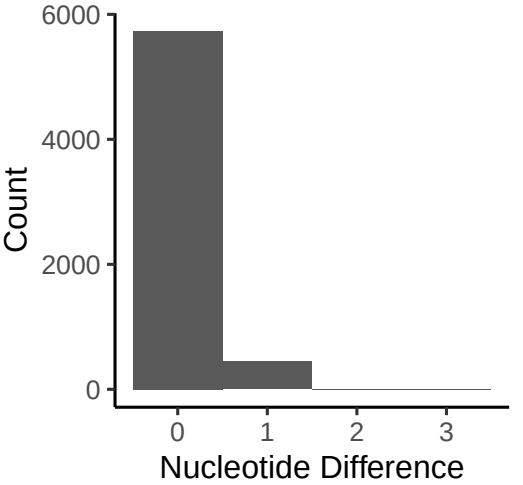
TRBV26*ap01

1 sequences assigned
No exact matches.



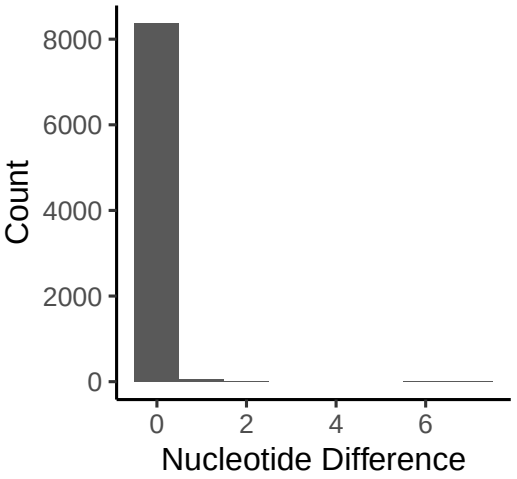
TRBV30*ap01

6188 sequences assigned
5733 (92.6%) exact matches, in which:
5621 unique CDR3
13 unique J



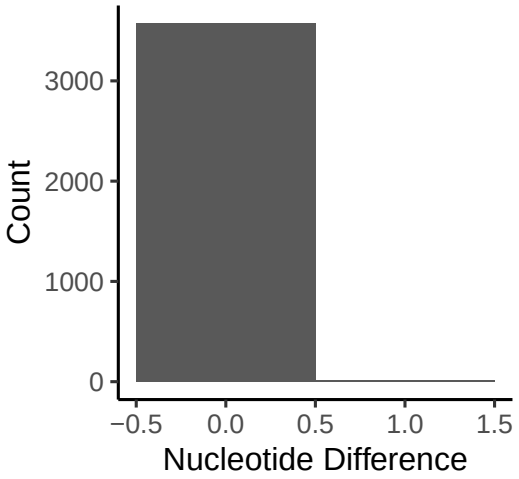
TRBV9*ap01

8429 sequences assigned
8368 (99.3%) exact matches, in which:
8287 unique CDR3
13 unique J



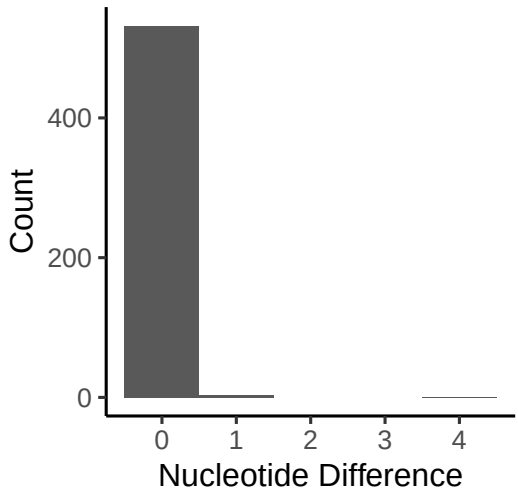
TRBV11−2*ap01

3588 sequences assigned
3573 (99.6%) exact matches, in which:
3548 unique CDR3
13 unique J



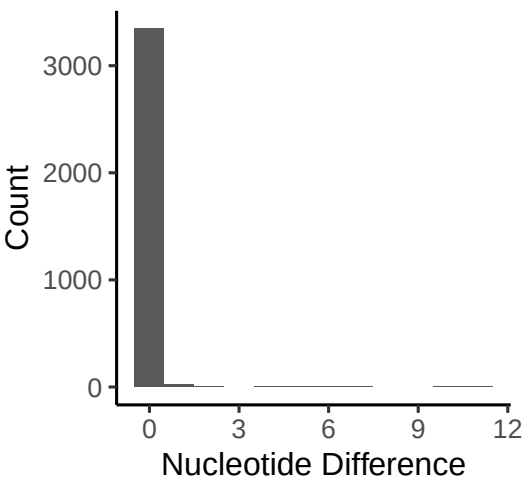
TRBV12−2*ap01

537 sequences assigned
532 (99.1%) exact matches, in which:
527 unique CDR3
13 unique J



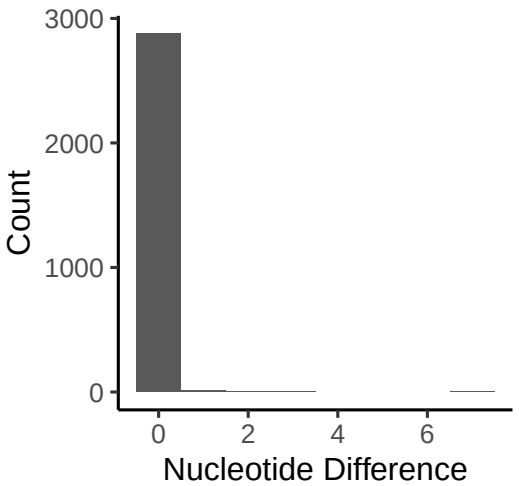
TRBV21−1*ap01

3377 sequences assigned
3345 (99.1%) exact matches, in which:
3316 unique CDR3
13 unique J



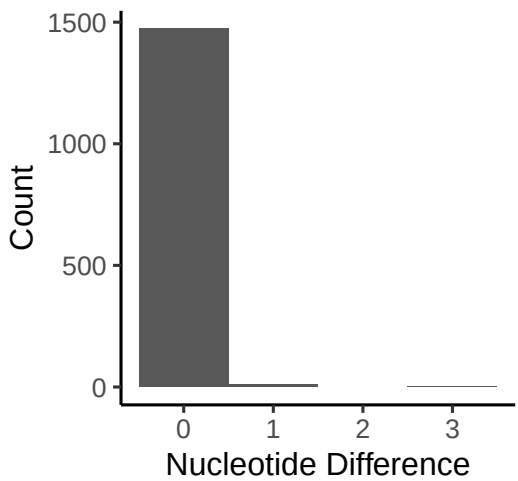
TRBV11−3*ap01

2894 sequences assigned
2877 (99.4%) exact matches, in which:
2861 unique CDR3
13 unique J



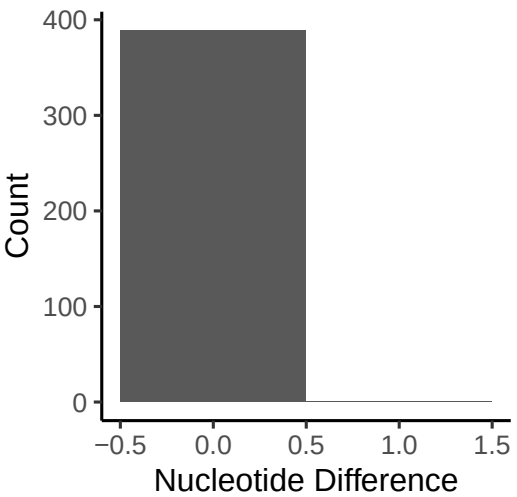
TRBV12−5*ap01

1483 sequences assigned
1473 (99.3%) exact matches, in which:
1458 unique CDR3
13 unique J



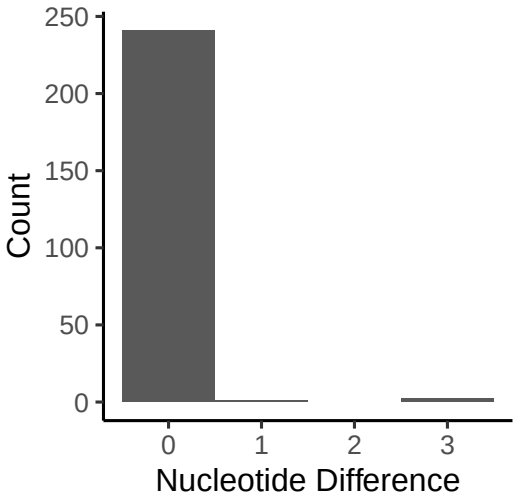
TRBV11−1*ap01

390 sequences assigned
389 (99.7%) exact matches, in which:
389 unique CDR3
13 unique J



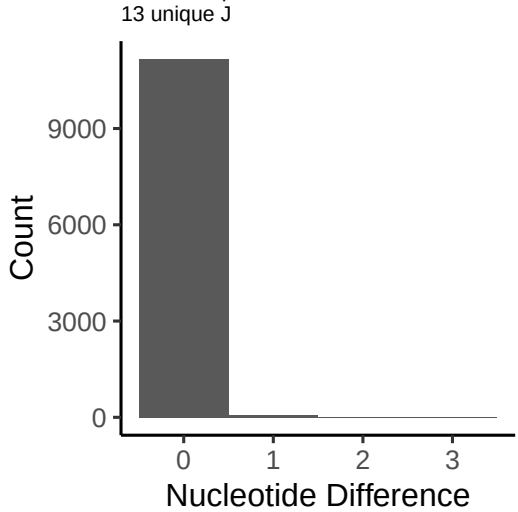
TRBV12−1*ap01

244 sequences assigned
241 (98.8%) exact matches, in which:
238 unique CDR3
13 unique J



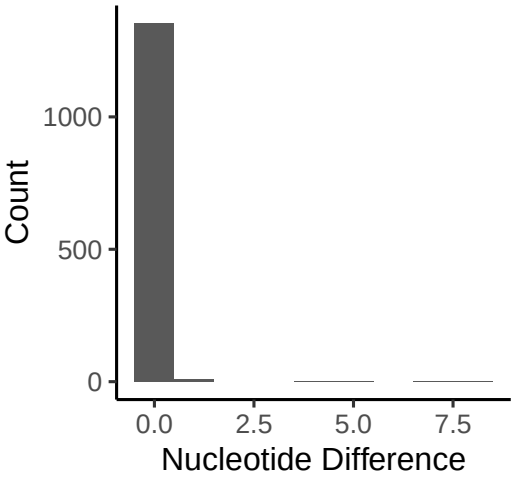
TRBV12−34*ap01

11260 sequences assigned
11165 (99.2%) exact matches, in which:
11017 unique CDR3
13 unique J



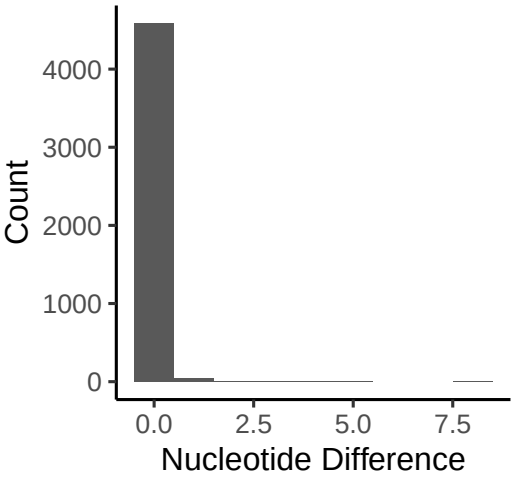
TRBV23−1*ap01

1368 sequences assigned
1353 (98.9%) exact matches, in which:
1339 unique CDR3
13 unique J



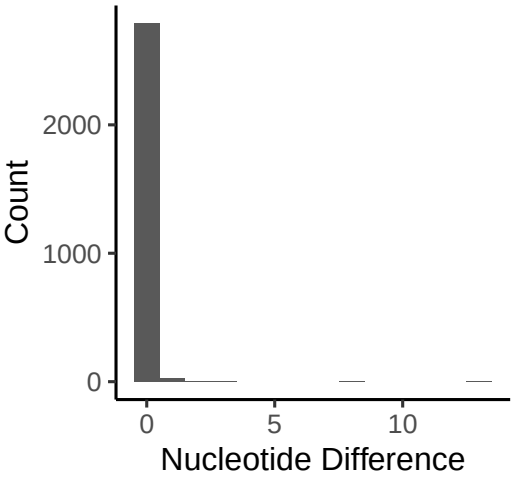
TRBV24−1*ap01

4644 sequences assigned
4585 (98.7%) exact matches, in which:
4501 unique CDR3
13 unique J



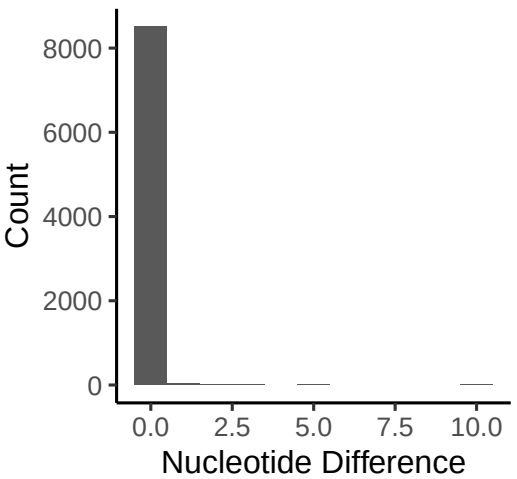
TRBV25−1*ap01

2824 sequences assigned
2790 (98.8%) exact matches, in which:
2732 unique CDR3
13 unique J



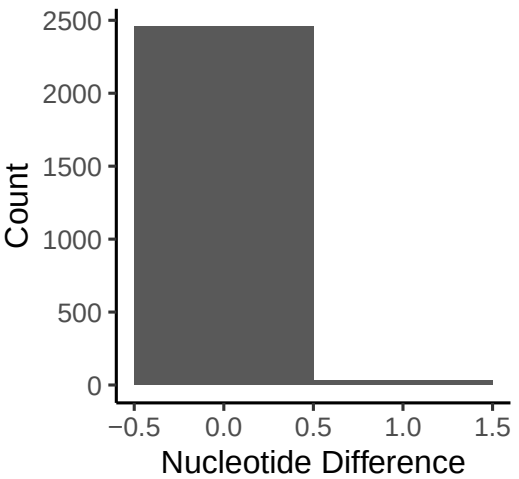
TRBV3−12*ap01

8556 sequences assigned
8507 (99.4%) exact matches, in which:
8428 unique CDR3
13 unique J



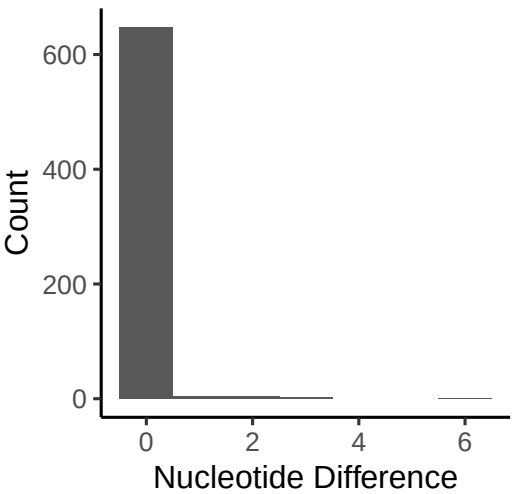
TRBV4−2*ap01

2485 sequences assigned
2456 (98.8%) exact matches, in which:
2408 unique CDR3
13 unique J



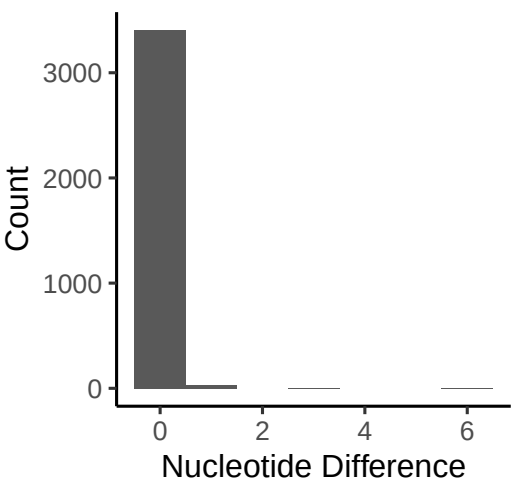
TRBV5−3*ap01

660 sequences assigned
648 (98.2%) exact matches, in which:
634 unique CDR3
13 unique J



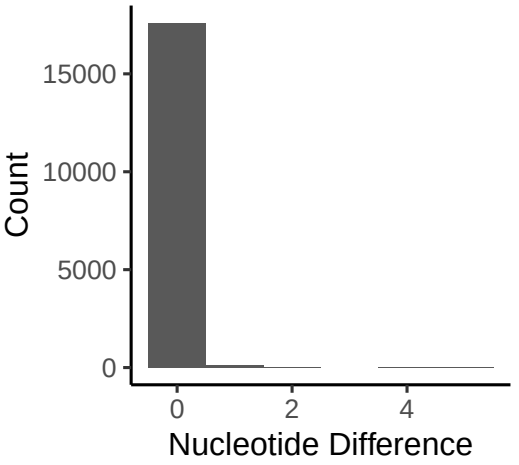
TRBV4−1*ap01

3440 sequences assigned
3406 (99%) exact matches, in which:
3325 unique CDR3
13 unique J



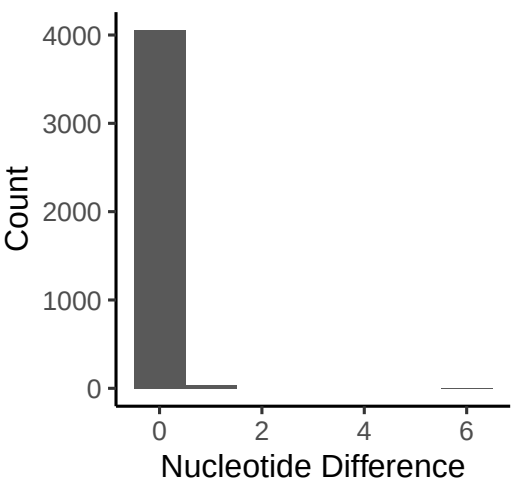
TRBV5−1*ap01

17741 sequences assigned
17607 (99.2%) exact matches, in which:
17260 unique CDR3
13 unique J



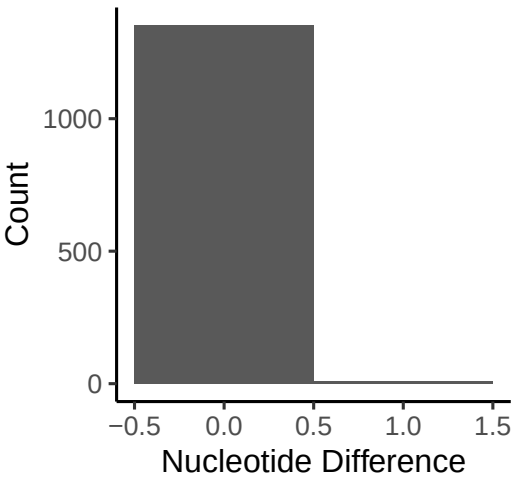
TRBV5−4*ap01

4098 sequences assigned
4056 (99%) exact matches, in which:
3989 unique CDR3
13 unique J



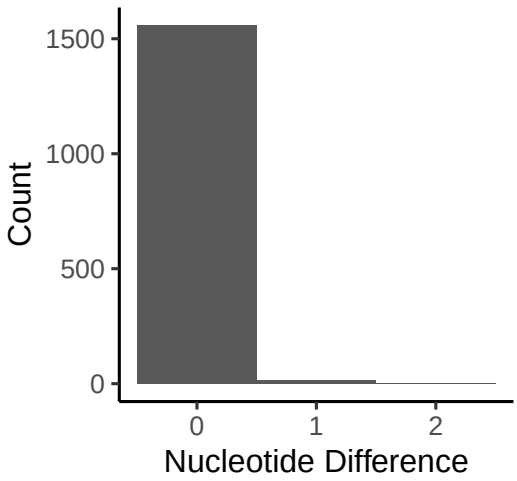
TRBV5−5*ap01

1363 sequences assigned
1352 (99.2%) exact matches, in which:
1336 unique CDR3
13 unique J



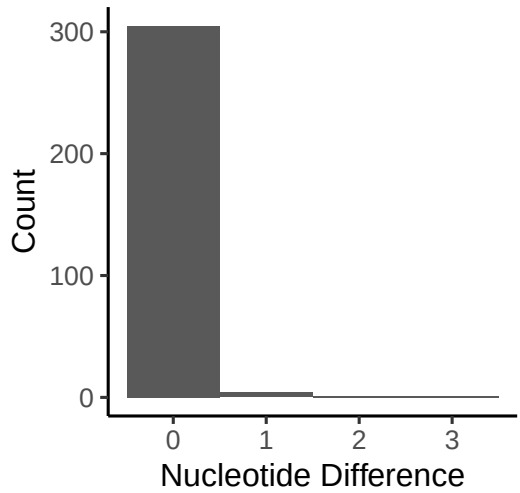
TRBV5−8*ap01

1573 sequences assigned
1558 (99%) exact matches, in which:
1543 unique CDR3
13 unique J



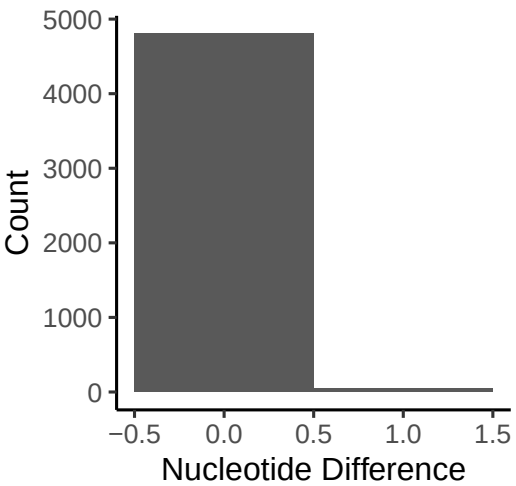
TRBV6−7*ap01

311 sequences assigned
305 (98.1%) exact matches, in which:
298 unique CDR3
13 unique J



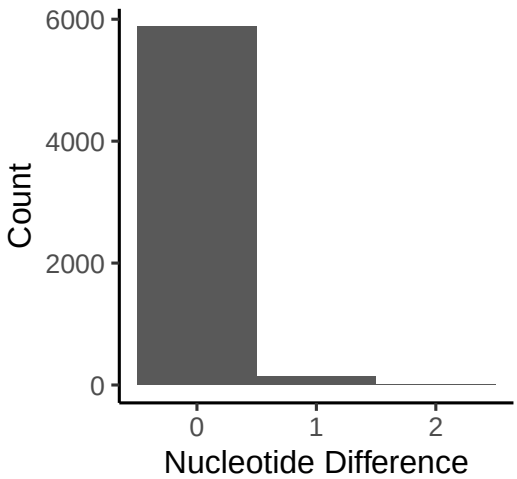
TRBV5−6*ap01

4850 sequences assigned
4804 (99.1%) exact matches, in which:
4654 unique CDR3
13 unique J



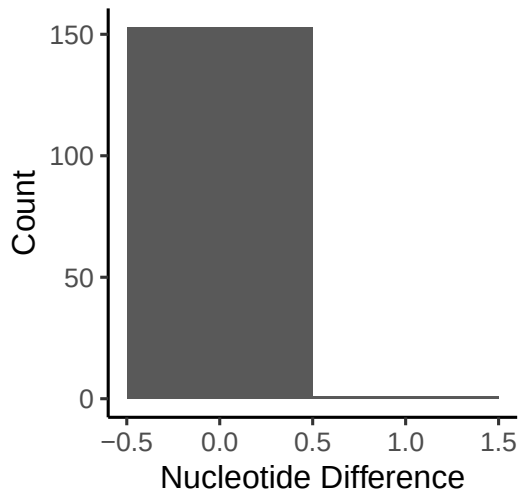
TRBV6−1*ap01

6012 sequences assigned
5877 (97.8%) exact matches, in which:
5757 unique CDR3
13 unique J



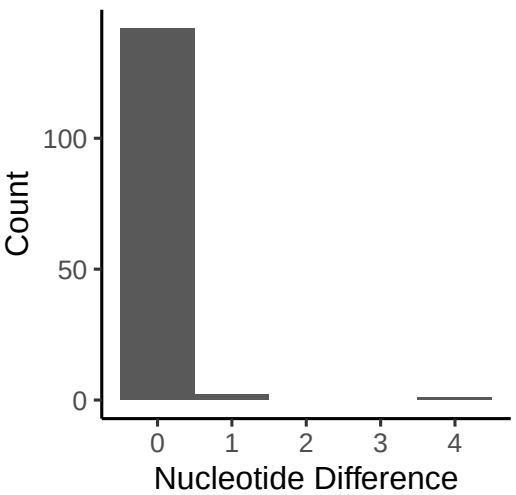
TRBV6−8*ap01

154 sequences assigned
153 (99.4%) exact matches, in which:
152 unique CDR3
13 unique J



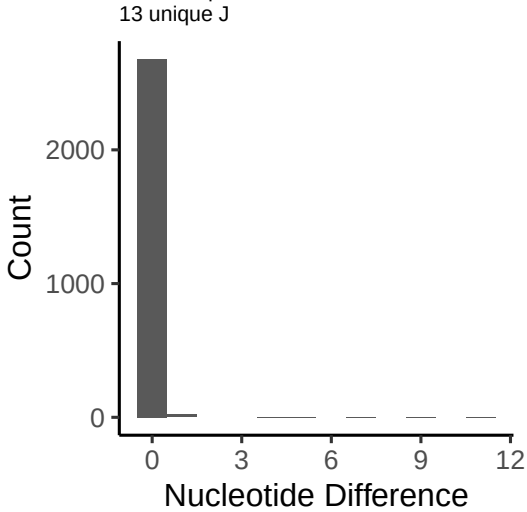
TRBV5−7*ap01

145 sequences assigned
142 (97.9%) exact matches, in which:
138 unique CDR3
13 unique J



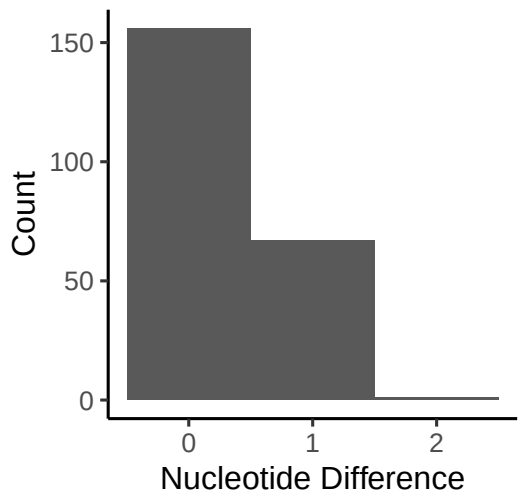
TRBV6−4*ap01

2706 sequences assigned
2679 (99%) exact matches, in which:
2661 unique CDR3
13 unique J



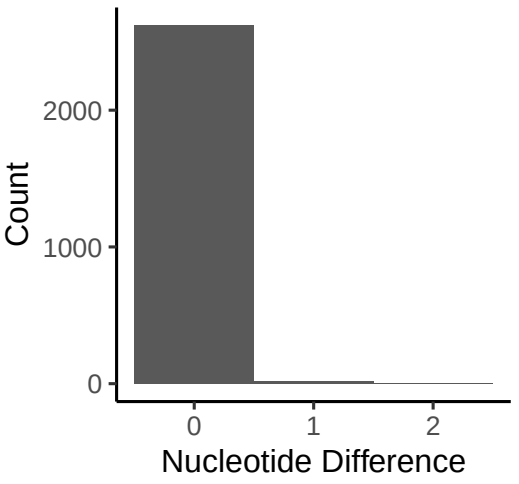
TRBV6−9*ap01

224 sequences assigned
156 (69.6%) exact matches, in which:
151 unique CDR3
13 unique J



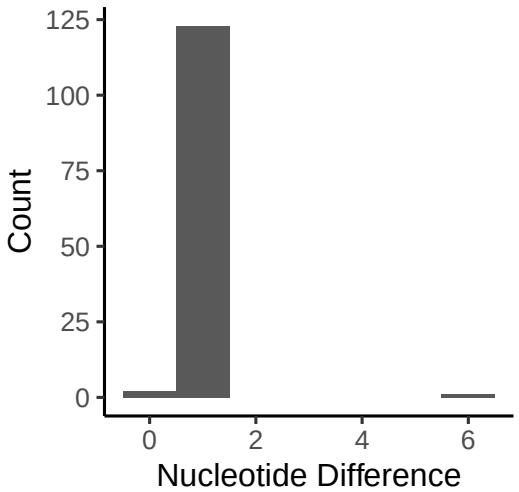
TRBV6−23*ap01

2637 sequences assigned
2620 (99.4%) exact matches, in which:
2566 unique CDR3
13 unique J



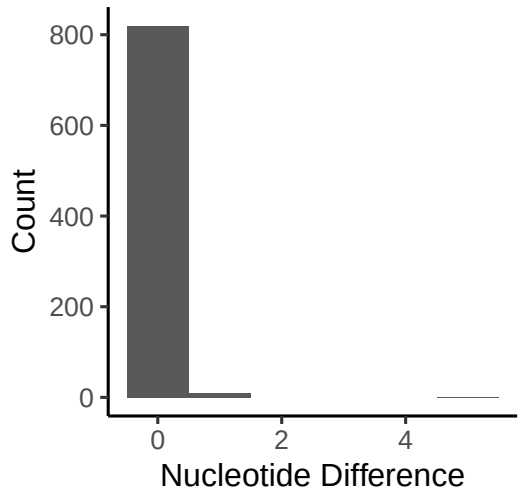
TRBV7−1*ap01_T296C

126 sequences assigned
2 (1.6%) exact matches, in which:
2 unique CDR3
2 unique J



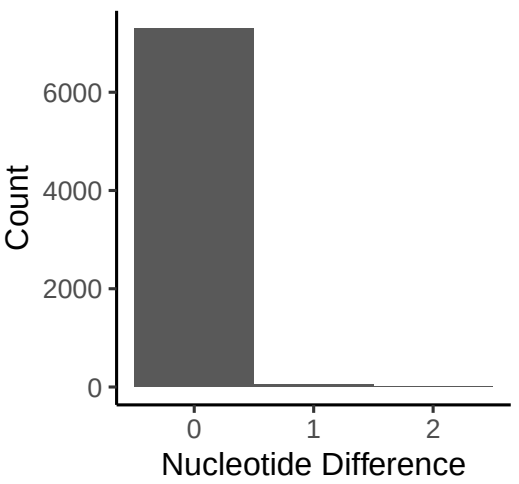
TRBV7−3*ap02

830 sequences assigned
820 (98.8%) exact matches, in which:
813 unique CDR3
13 unique J



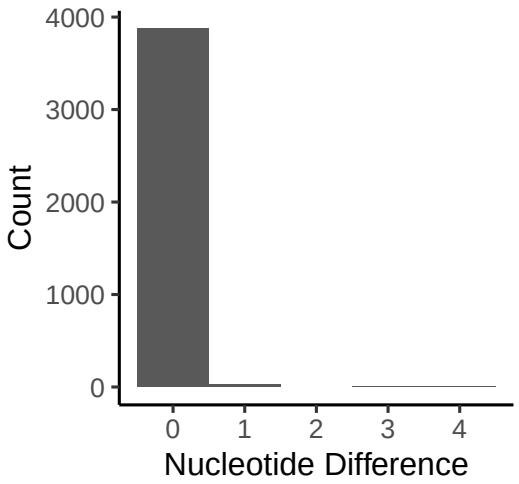
TRBV6−56*ap01

7356 sequences assigned
7293 (99.1%) exact matches, in which:
7114 unique CDR3
13 unique J



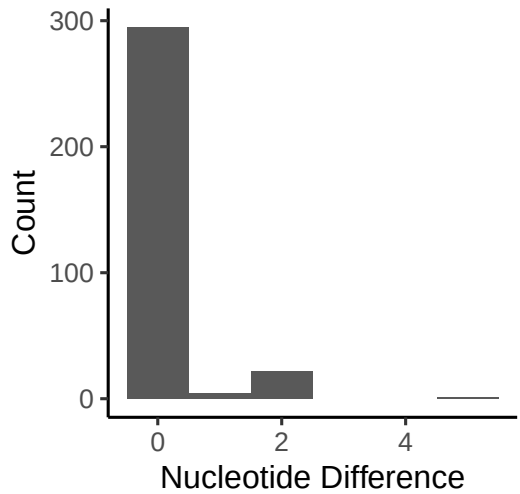
TRBV7−2*ap01

3901 sequences assigned
3874 (99.3%) exact matches, in which:
3813 unique CDR3
13 unique J



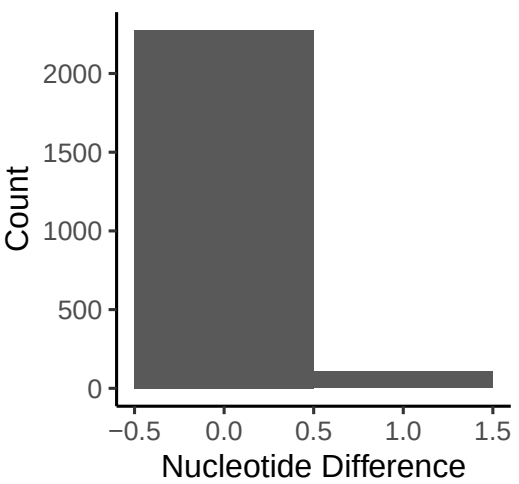
TRBV7−4*ap01

322 sequences assigned
295 (91.6%) exact matches, in which:
290 unique CDR3
13 unique J



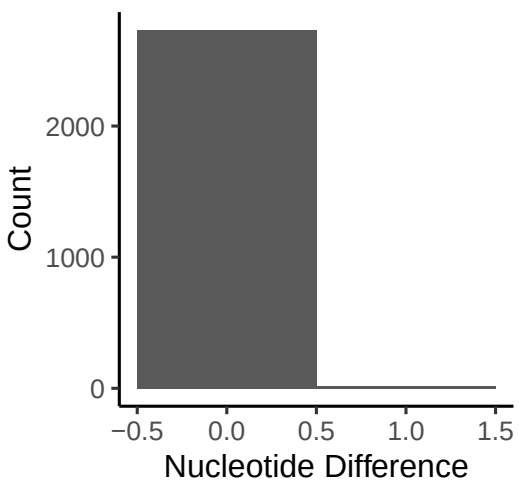
TRBV6−56*ap02

2384 sequences assigned
2276 (95.5%) exact matches, in which:
2221 unique CDR3
13 unique J



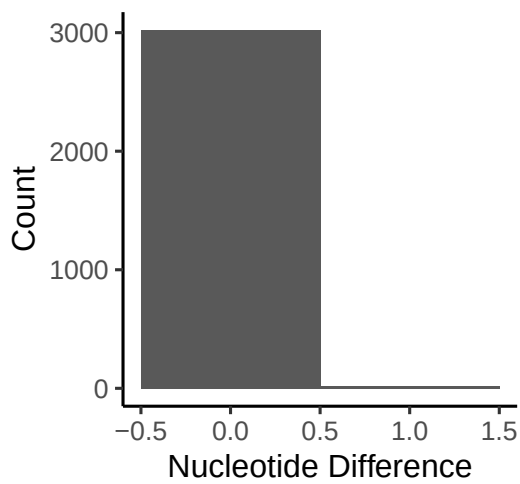
TRBV7−3*ap01

2749 sequences assigned
2732 (99.4%) exact matches, in which:
2704 unique CDR3
13 unique J



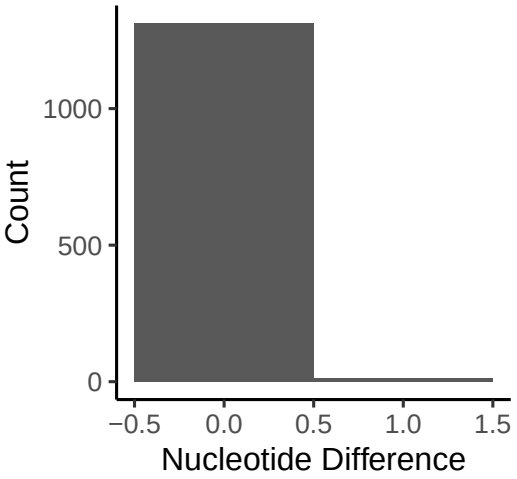
TRBV7−6*ap01

3044 sequences assigned
3022 (99.3%) exact matches, in which:
2980 unique CDR3
13 unique J



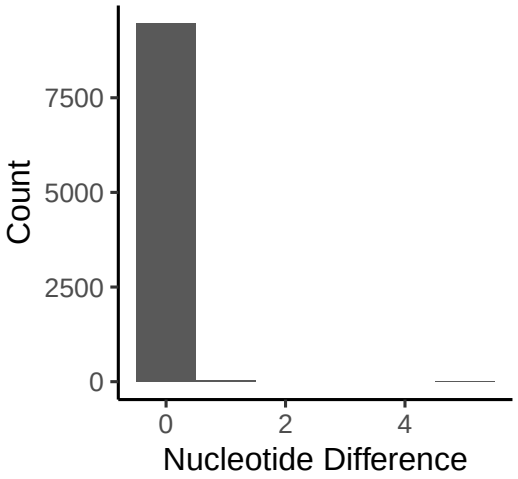
TRBV7−7*ap01_C315T

1323 sequences assigned
1312 (99.2%) exact matches, in which:
1285 unique CDR3
13 unique J



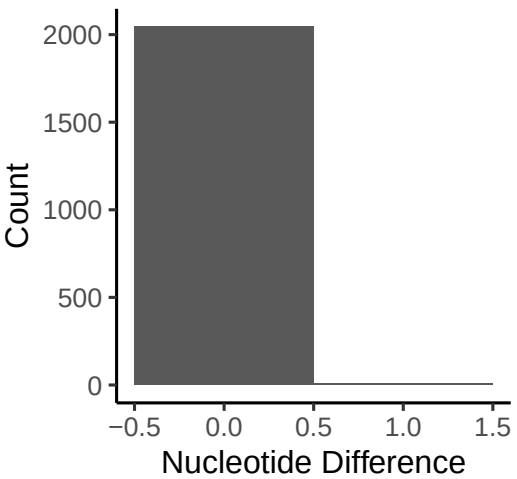
TRBV7−9*ap01

9513 sequences assigned
9464 (99.5%) exact matches, in which:
9343 unique CDR3
13 unique J



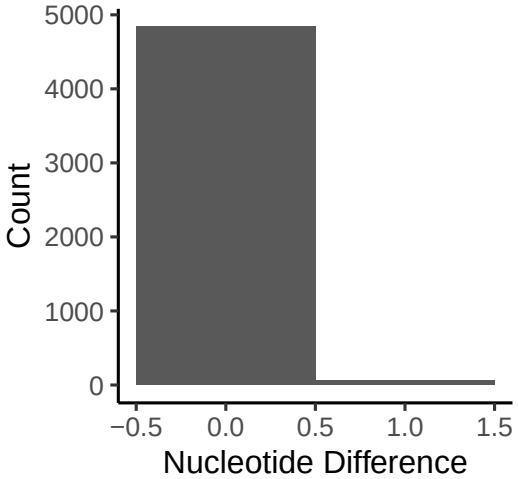
TRBV7−8*ap01

2055 sequences assigned
2045 (99.5%) exact matches, in which:
2009 unique CDR3
13 unique J



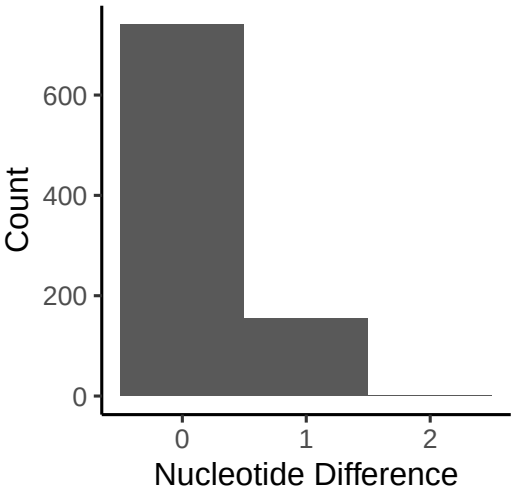
TRBV29−1*ap01

4895 sequences assigned
4839 (98.9%) exact matches, in which:
4709 unique CDR3
13 unique J



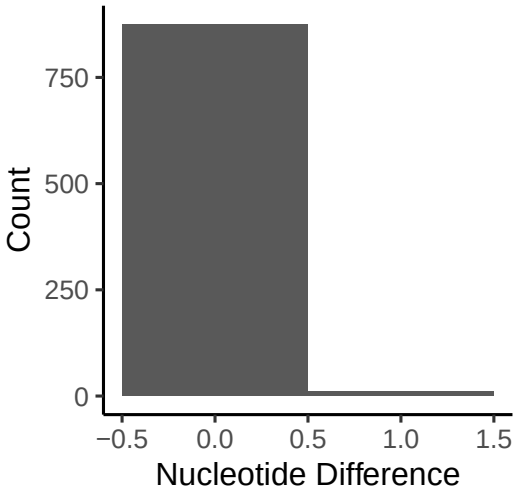
TRBV7−8*ap03

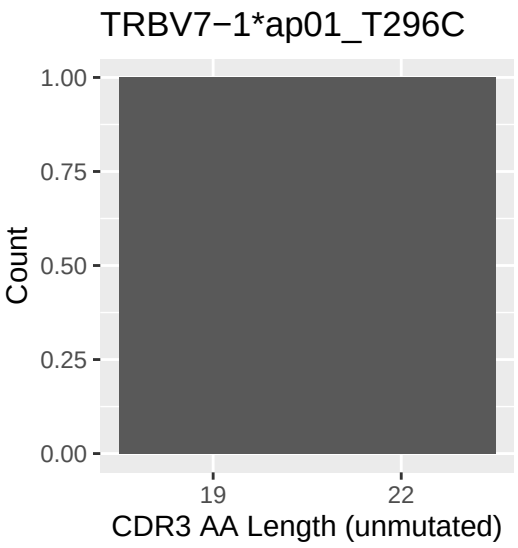
897 sequences assigned
741 (82.6%) exact matches, in which:
732 unique CDR3
13 unique J

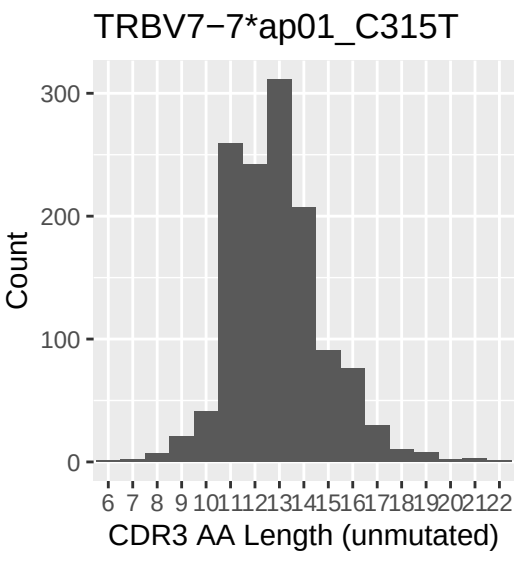


TRBV29−1*ap02

885 sequences assigned
875 (98.9%) exact matches, in which:
854 unique CDR3
13 unique J




TRBV7−1*ap01_T296C
1.00
0.75
0.50
0.25
0.00
Count
19
22
CDR3 AA Length (unmutated)


TRBV7−7*ap01_C315T
300
200
100
0
Count
6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22
CDR3 AA Length (unmutated)

Allele Usage
Allele %
100
75
50
25
0
TRBJ1−1
TRBJ1−2
TRBJ1−3
TRBJ1−4
TRBJ1−5
TRBJ1−6
TRBJ2−1
TRBJ2−2
TRBJ2−3
TRBJ2−4
TRBJ2−5
TRBJ2−6
TRBJ2−7
TRBJ2−2P
Gene
01
02

Warning − no inferred sequences found.

Warning − no inferred sequences found.

Warning − no inferred sequences found.