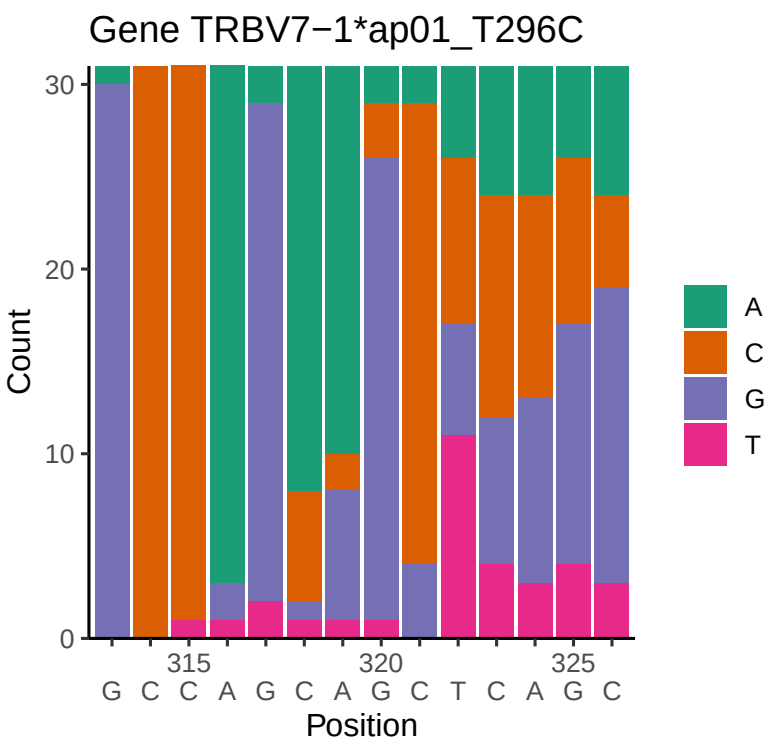
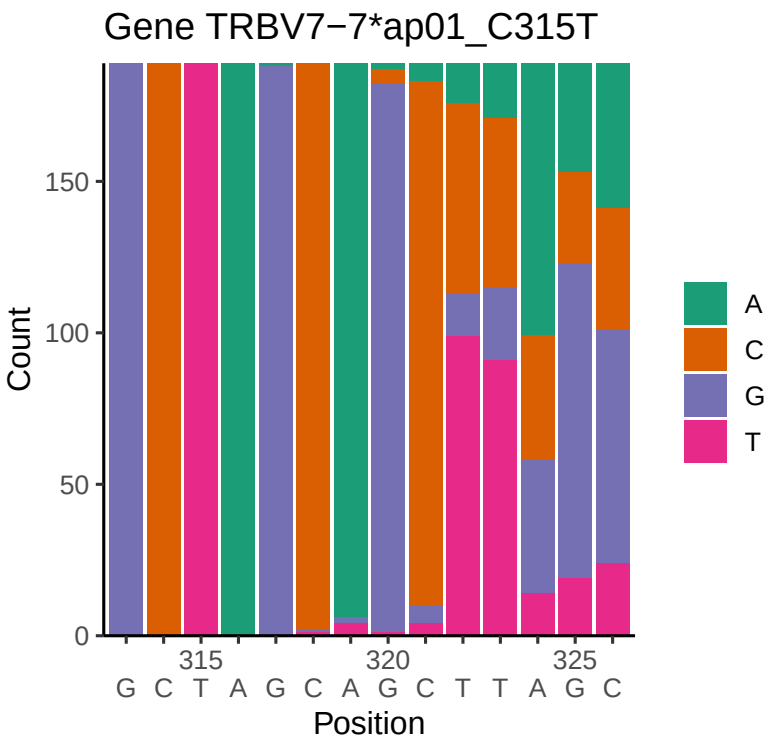
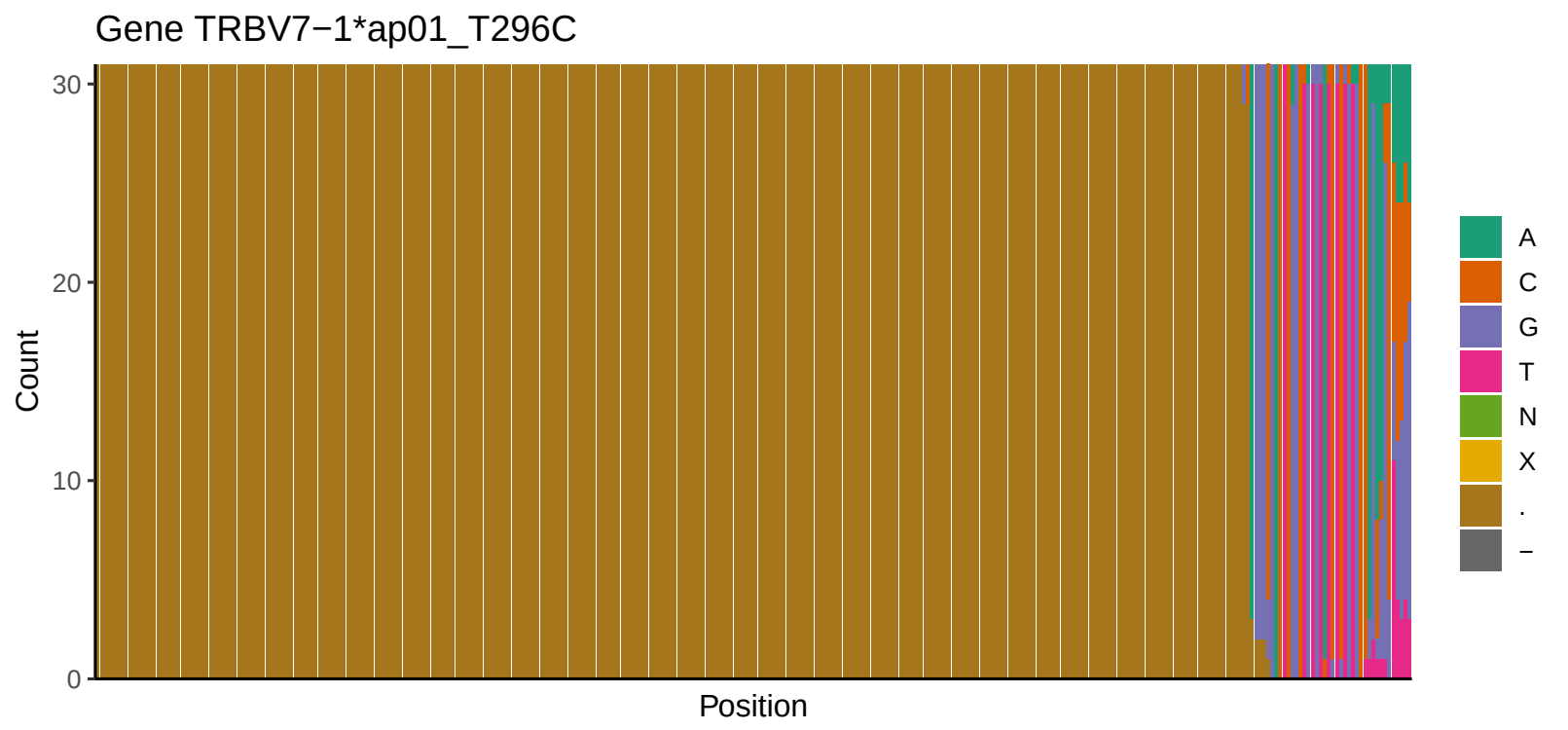
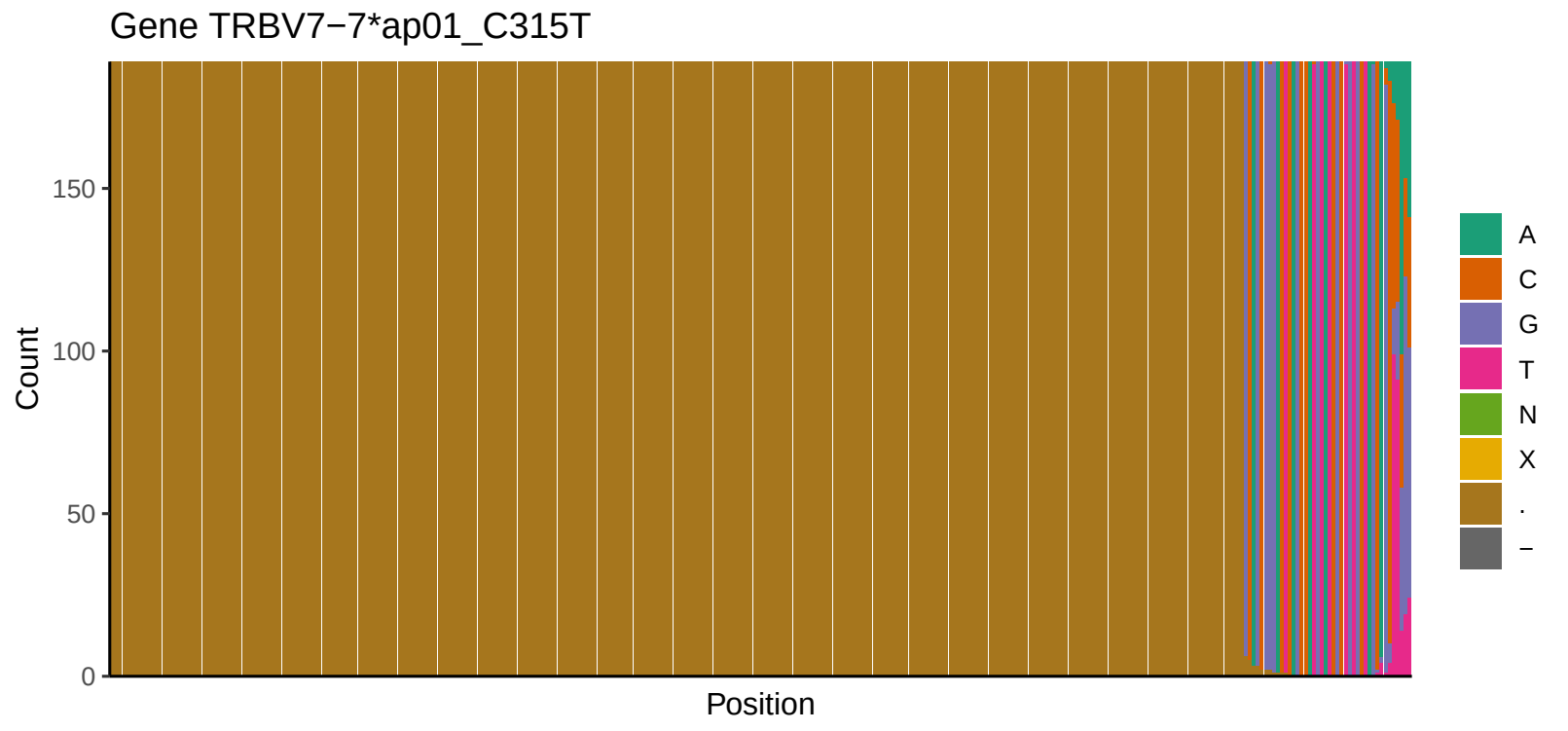
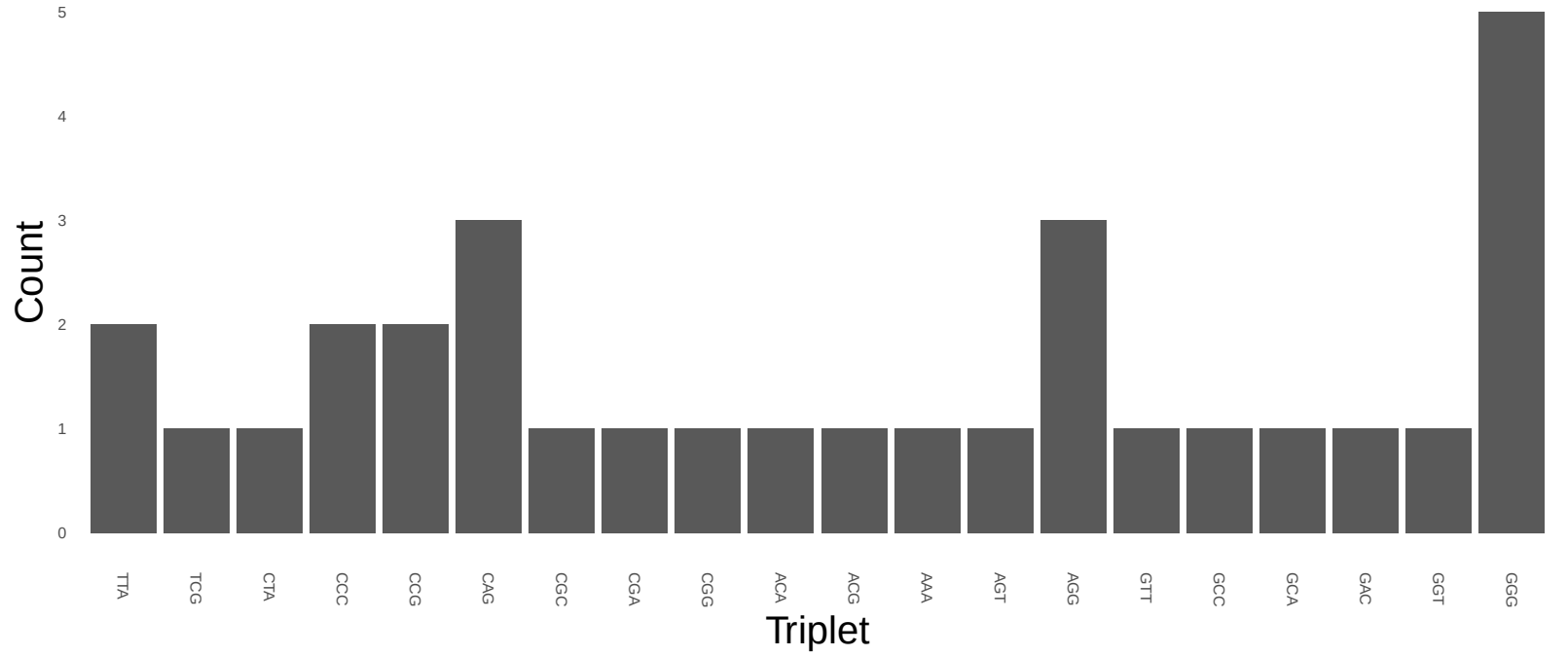

Gene TRBV7−1*ap01_T296C
Count
30
20
10
0
315
320
325
G C C A G C A G C T C A G C
Position
A
C
G
T


Gene TRBV7−7*ap01_C315T
Count
150
100
50
0
315
320
325
G C T A G C A G C T T A G C
Position
A
C
G
T

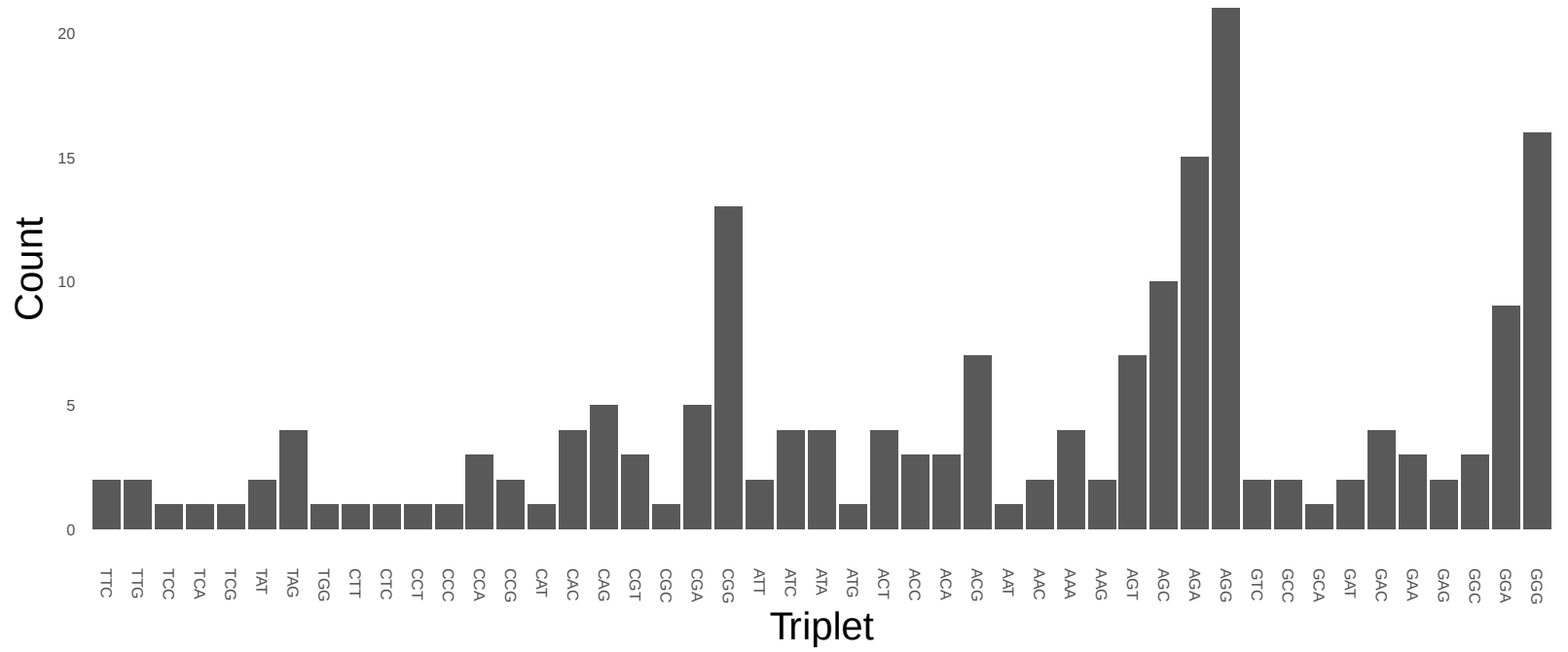

Gene TRBV7−1*ap01_T296C
Count
30
20
10
0
Position
A
C
G
T
N
X
.
–


Gene TRBV7−7*ap01_C315T
Count
150
100
50
0
Position
A
C
G
T
N
X
.
–

TRBV7−1*ap01_T296C− Final 3 nucleotides as a triplet

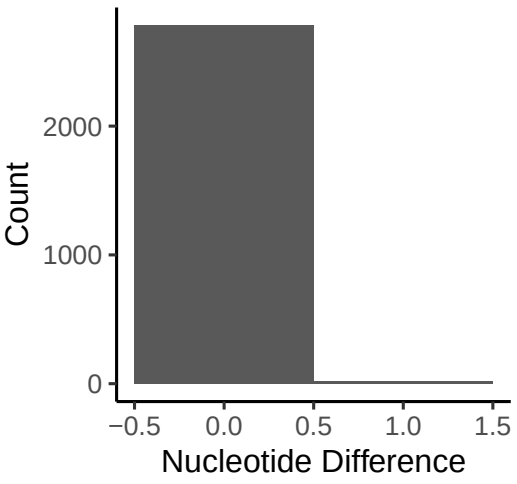


TRBV7−7*ap01_C315T− Final 3 nucleotides as a triplet



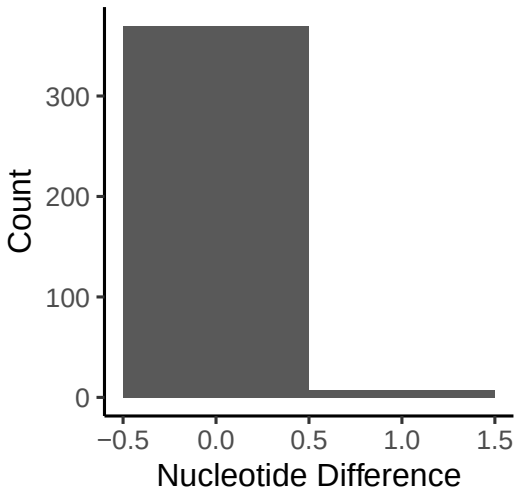
TRBV20−1*ap01

2802 sequences assigned
2782 (99.3%) exact matches, in which:
2748 unique CDR3
13 unique J



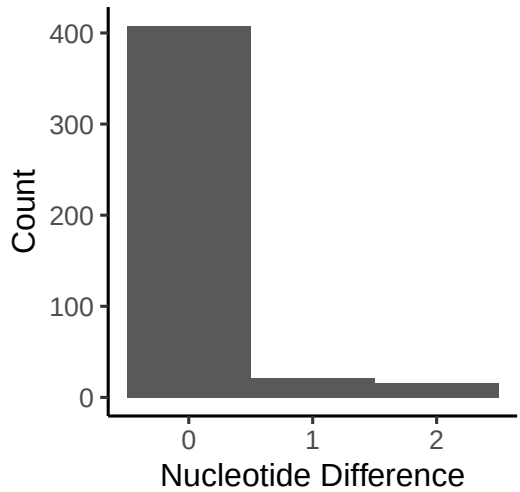
TRBV10−2*ap01

377 sequences assigned
370 (98.1%) exact matches, in which:
365 unique CDR3
13 unique J



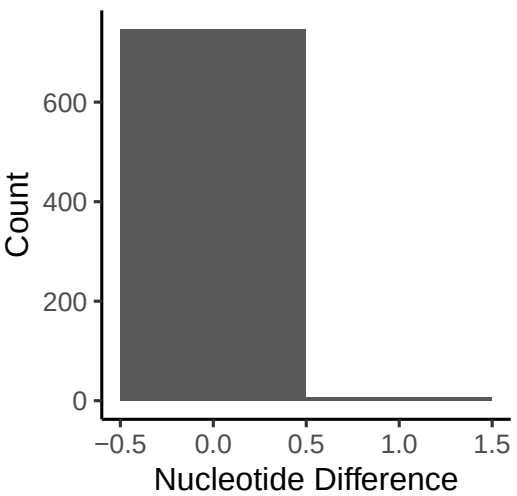
TRBV13*ap01

445 sequences assigned
408 (91.7%) exact matches, in which:
393 unique CDR3
13 unique J



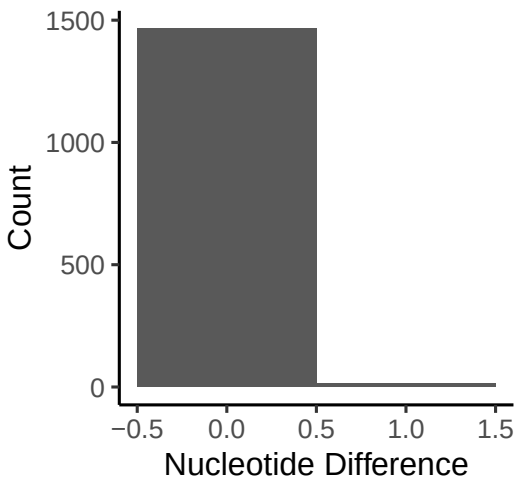
TRBV10−1*ap01

755 sequences assigned
747 (98.9%) exact matches, in which:
732 unique CDR3
13 unique J



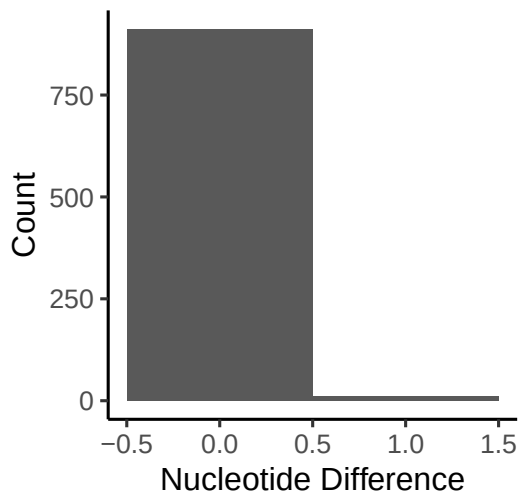
TRBV10−3*ap01

1481 sequences assigned
1465 (98.9%) exact matches, in which:
1442 unique CDR3
13 unique J



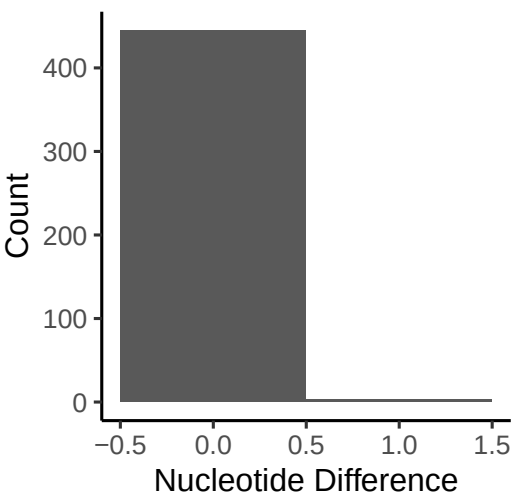
TRBV14*ap01

923 sequences assigned
912 (98.8%) exact matches, in which:
904 unique CDR3
13 unique J



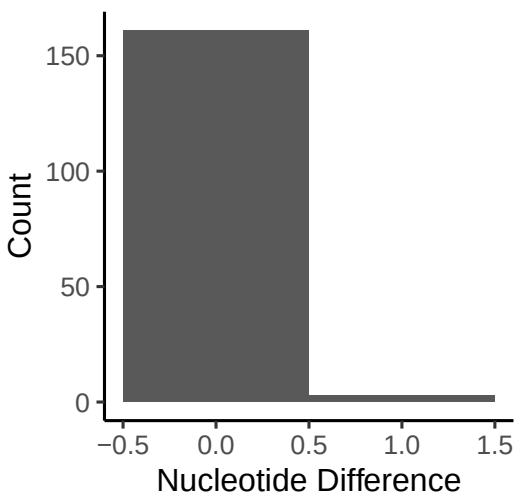
TRBV20−1*ap02

448 sequences assigned
445 (99.3%) exact matches, in which:
442 unique CDR3
13 unique J



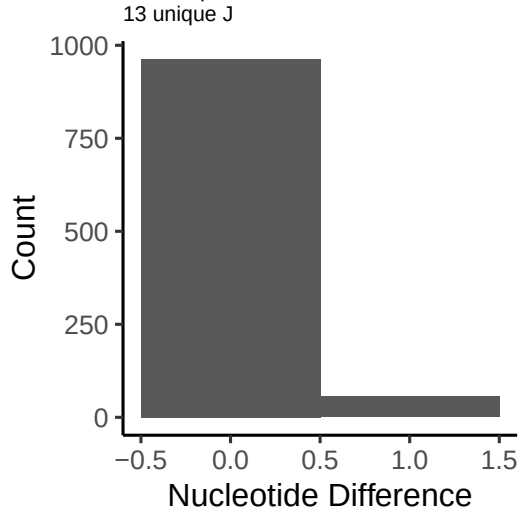
TRBV1*ap01

164 sequences assigned
161 (98.2%) exact matches, in which:
158 unique CDR3
13 unique J



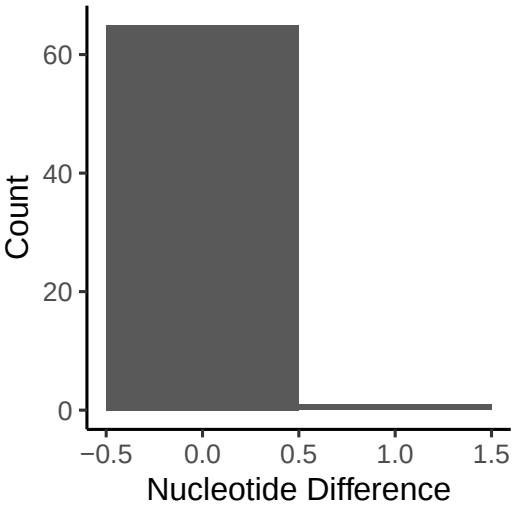
TRBV15*ap02

1019 sequences assigned
963 (94.5%) exact matches, in which:
951 unique CDR3
13 unique J



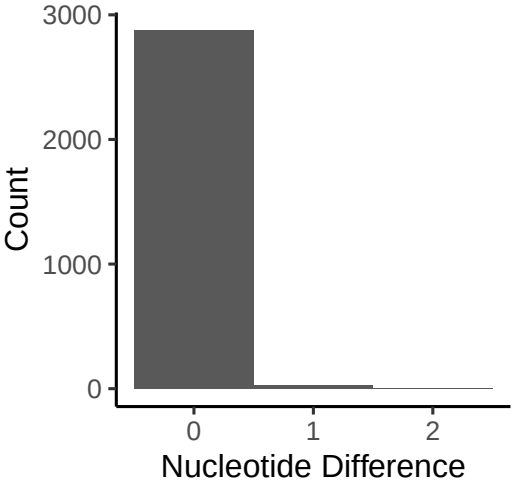
TRBV16*ap01

66 sequences assigned
65 (98.5%) exact matches, in which:
65 unique CDR3
13 unique J



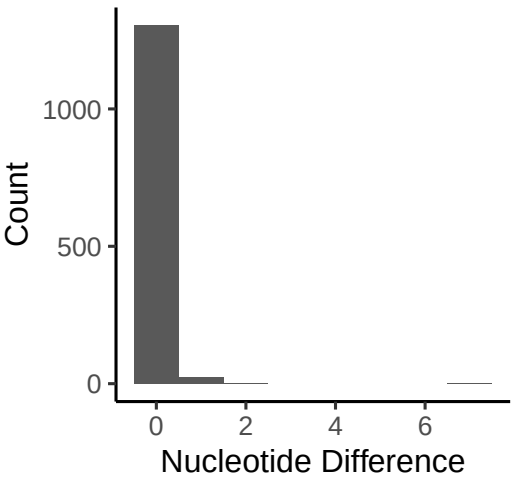
TRBV2*ap01

2904 sequences assigned
2875 (99%) exact matches, in which:
2846 unique CDR3
13 unique J



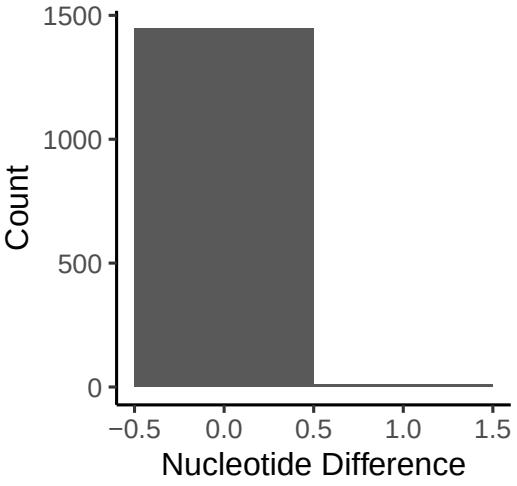
TRBV30*ap01

1331 sequences assigned
1304 (98%) exact matches, in which:
1279 unique CDR3
13 unique J



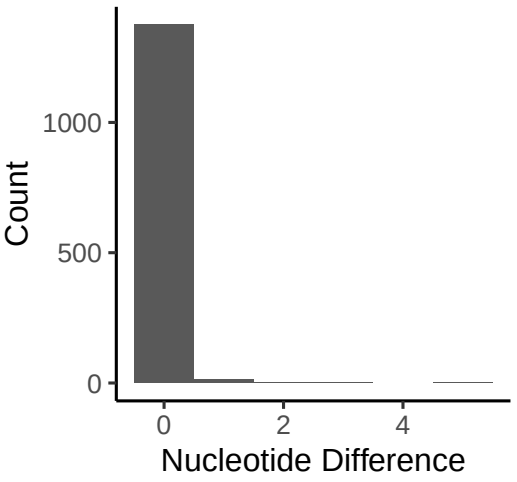
TRBV18*ap01

1456 sequences assigned
1446 (99.3%) exact matches, in which:
1439 unique CDR3
13 unique J



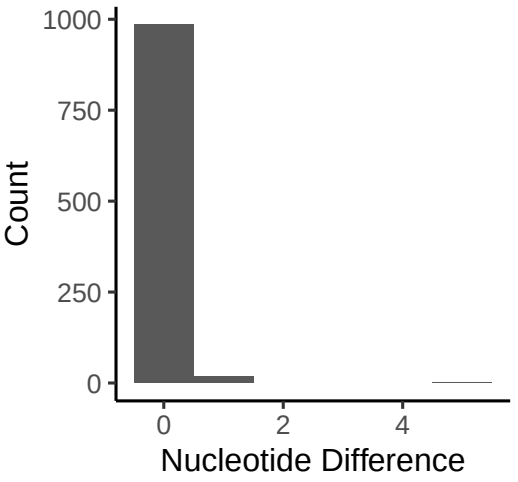
TRBV27*ap01

1392 sequences assigned
1375 (98.8%) exact matches, in which:
1360 unique CDR3
13 unique J



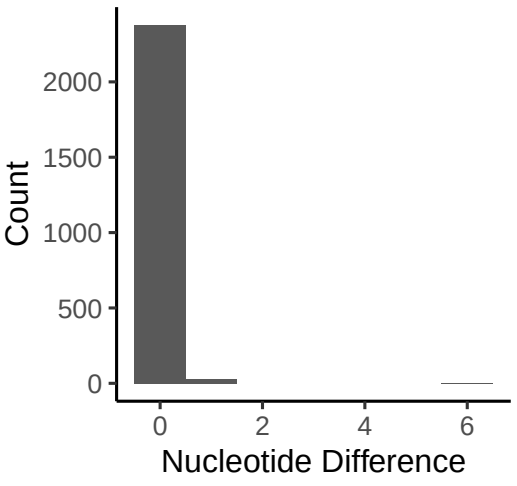
TRBV30*ap02

1004 sequences assigned
985 (98.1%) exact matches, in which:
959 unique CDR3
13 unique J



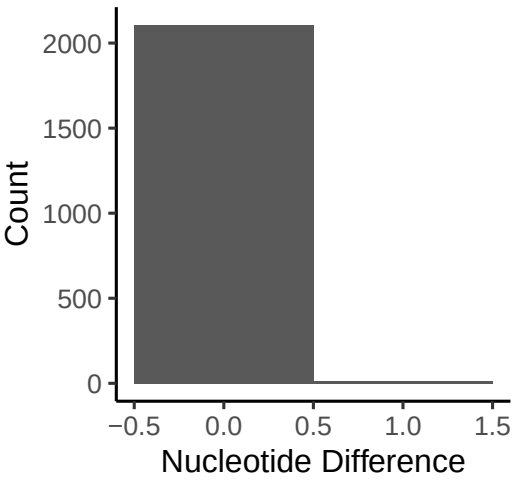
TRBV19*ap01

2405 sequences assigned
2377 (98.8%) exact matches, in which:
2351 unique CDR3
13 unique J



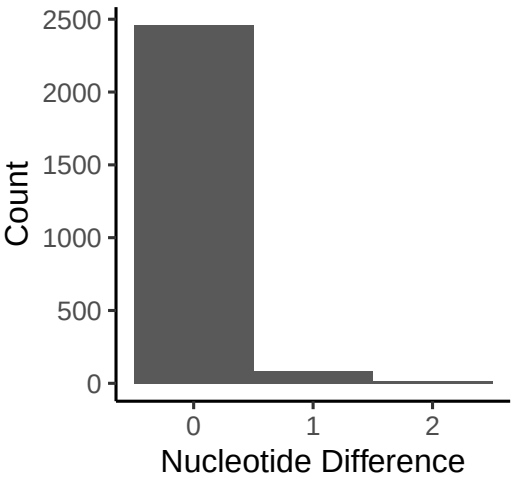
TRBV28*ap01

2119 sequences assigned
2106 (99.4%) exact matches, in which:
2089 unique CDR3
13 unique J



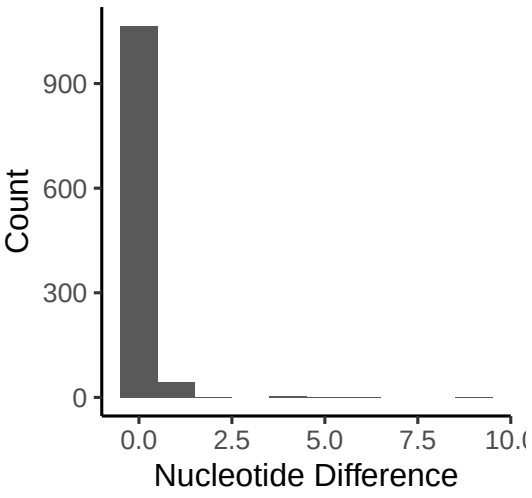
TRBV9*ap01

2560 sequences assigned
2460 (96.1%) exact matches, in which:
2431 unique CDR3
13 unique J



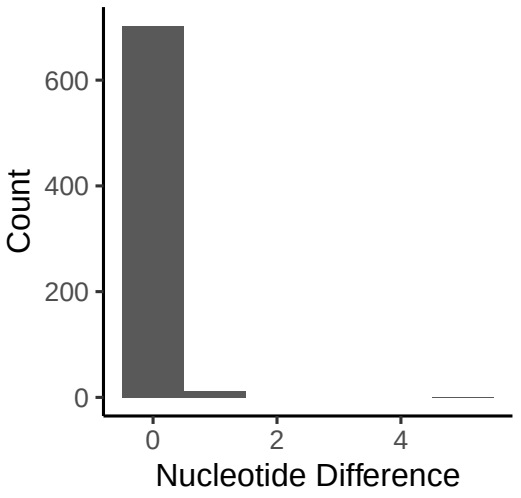
TRBV21−1*ap01

1119 sequences assigned
1066 (95.3%) exact matches, in which:
1058 unique CDR3
13 unique J



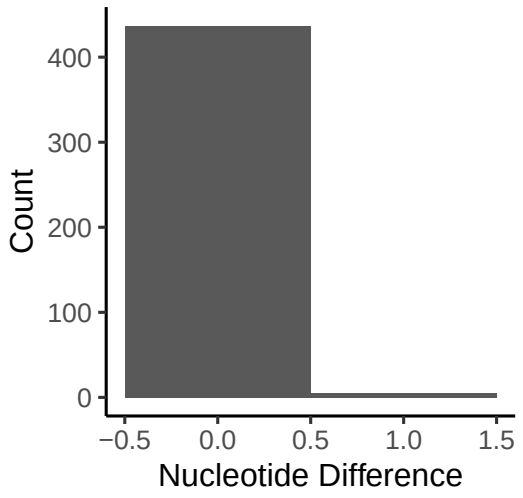
TRBV11−3*ap01

716 sequences assigned
703 (98.2%) exact matches, in which:
695 unique CDR3
13 unique J



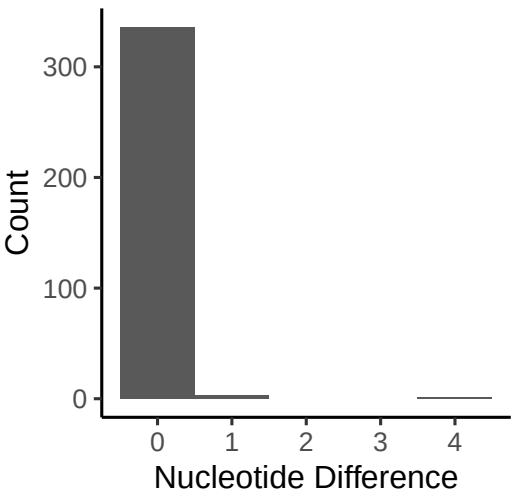
TRBV12−5*ap01

442 sequences assigned
437 (98.9%) exact matches, in which:
434 unique CDR3
13 unique J



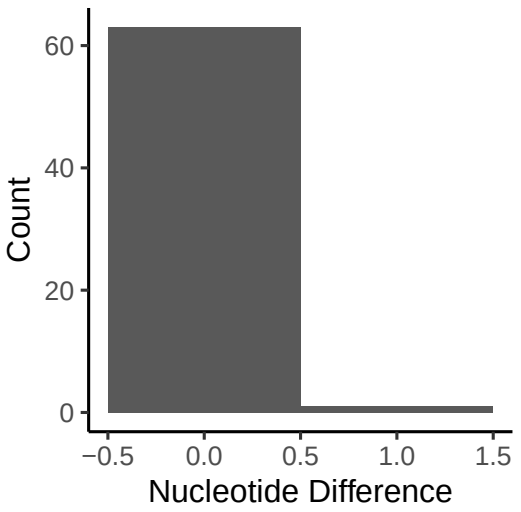
TRBV11−1*ap01

340 sequences assigned
336 (98.8%) exact matches, in which:
335 unique CDR3
13 unique J



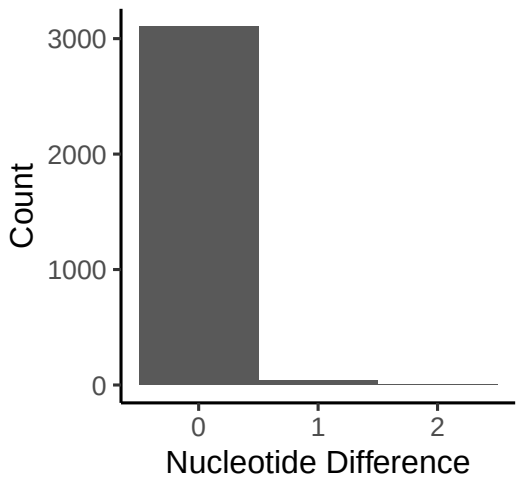
TRBV12−1*ap01

64 sequences assigned
63 (98.4%) exact matches, in which:
60 unique CDR3
12 unique J



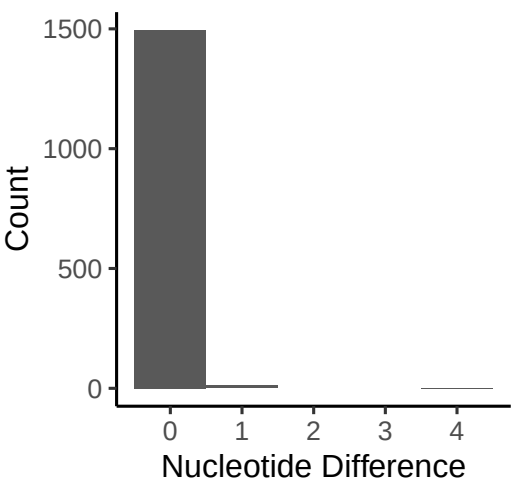
TRBV12−34*ap01

3140 sequences assigned
3103 (98.8%) exact matches, in which:
3070 unique CDR3
13 unique J



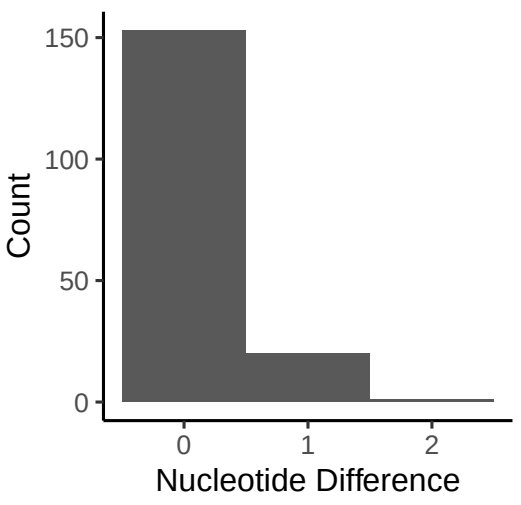
TRBV11−2*ap01

1507 sequences assigned
1495 (99.2%) exact matches, in which:
1473 unique CDR3
14 unique J



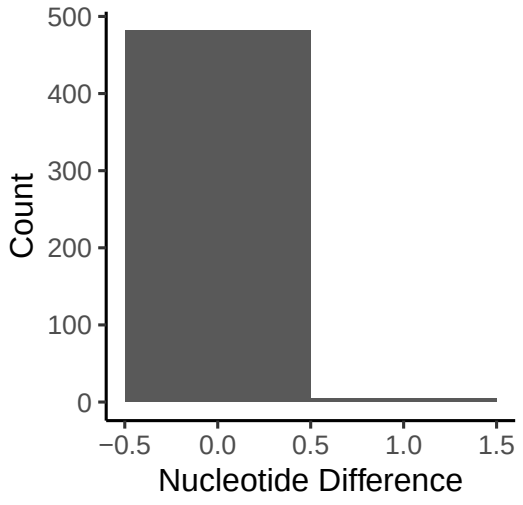
TRBV12−2*ap01

174 sequences assigned
153 (87.9%) exact matches, in which:
151 unique CDR3
12 unique J



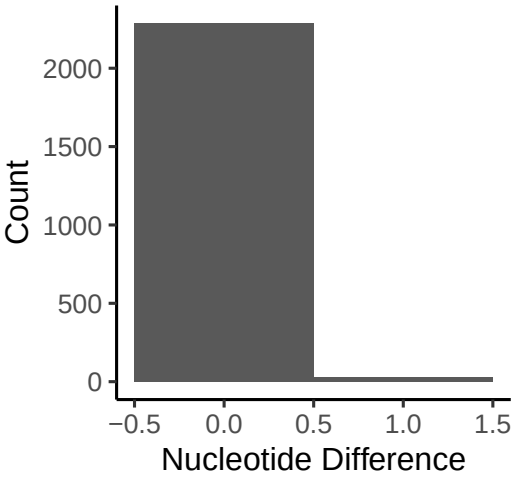
TRBV23−1*ap01

487 sequences assigned
482 (99%) exact matches, in which:
481 unique CDR3
13 unique J



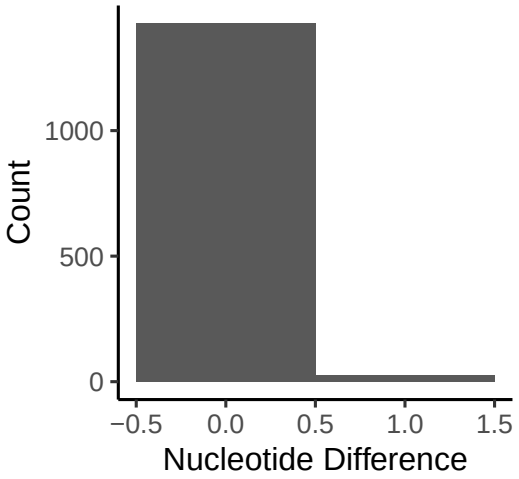
TRBV3−12*ap01

2312 sequences assigned
2286 (98.9%) exact matches, in which:
2270 unique CDR3
14 unique J



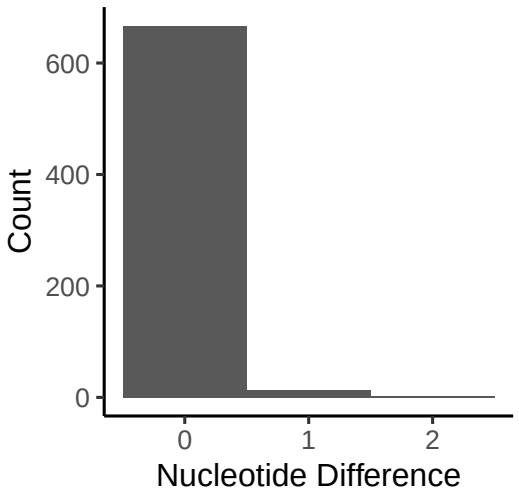
TRBV4−2*ap01

1453 sequences assigned
1427 (98.2%) exact matches, in which:
1407 unique CDR3
13 unique J



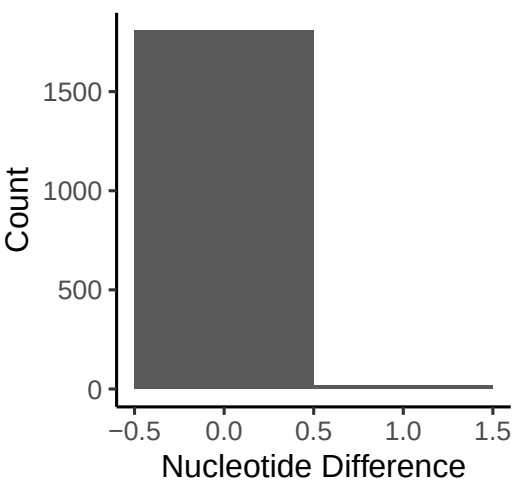
TRBV25−1*ap01

682 sequences assigned
667 (97.8%) exact matches, in which:
653 unique CDR3
13 unique J



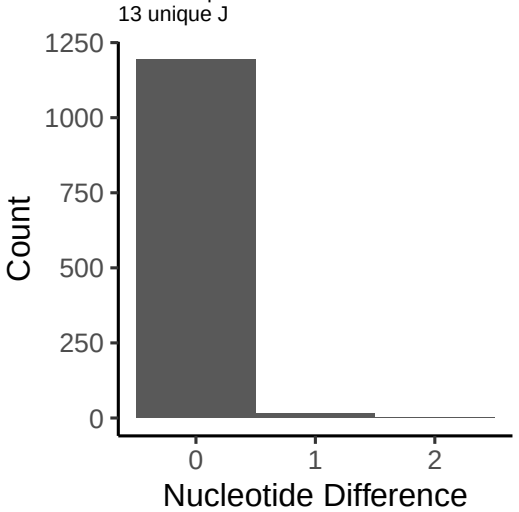
TRBV4−1*ap01

1825 sequences assigned
1807 (99%) exact matches, in which:
1768 unique CDR3
13 unique J



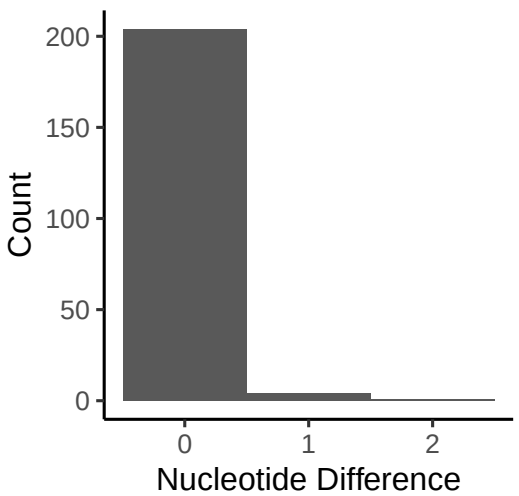
TRBV4−3*ap01

1209 sequences assigned
1193 (98.7%) exact matches, in which:
1178 unique CDR3
13 unique J



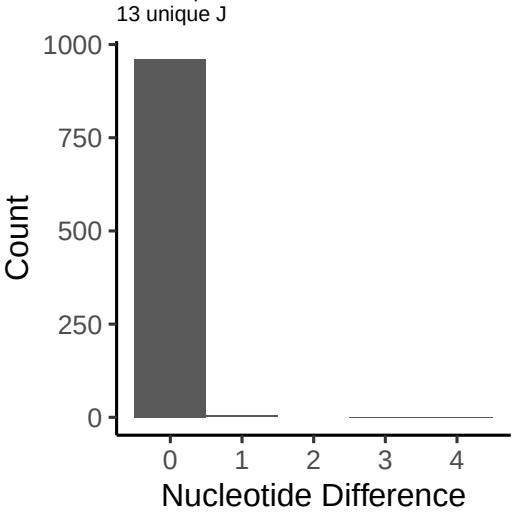
TRBV5−3*ap01

209 sequences assigned
204 (97.6%) exact matches, in which:
201 unique CDR3
13 unique J



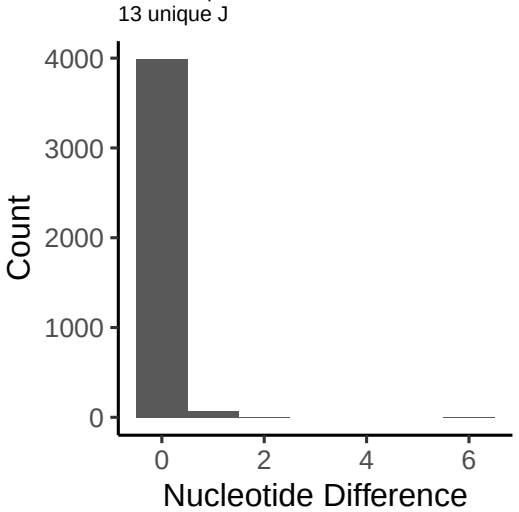
TRBV24−1*ap01

968 sequences assigned
961 (99.3%) exact matches, in which:
945 unique CDR3
13 unique J



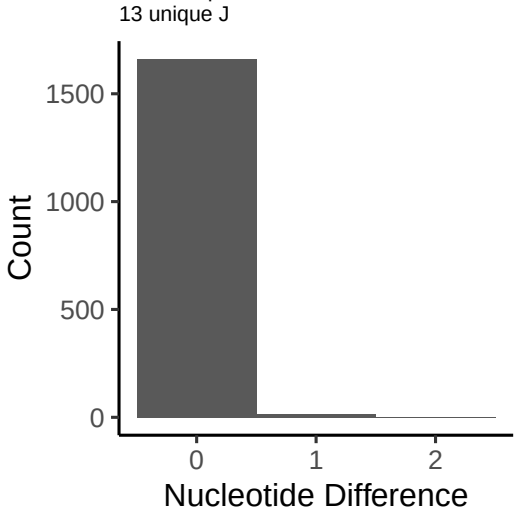
TRBV5−1*ap01

4065 sequences assigned
3990 (98.2%) exact matches, in which:
3934 unique CDR3
13 unique J



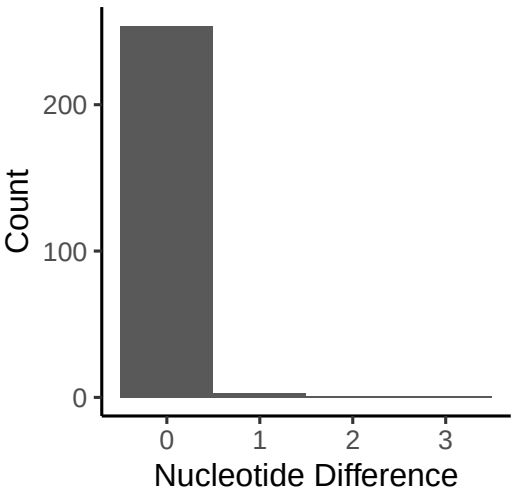
TRBV5−4*ap01

1678 sequences assigned
1661 (99%) exact matches, in which:
1643 unique CDR3
13 unique J



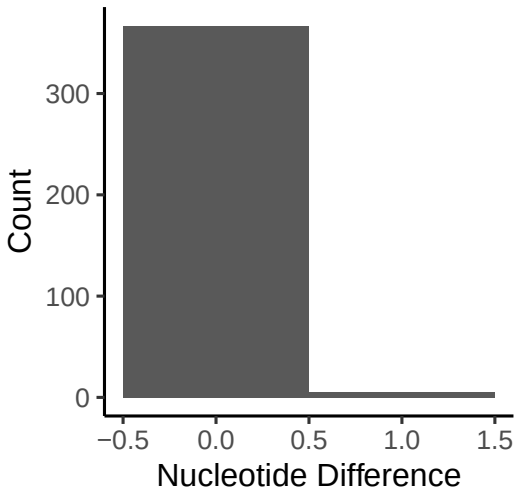
TRBV5−5*ap01

259 sequences assigned
254 (98.1%) exact matches, in which:
250 unique CDR3
13 unique J



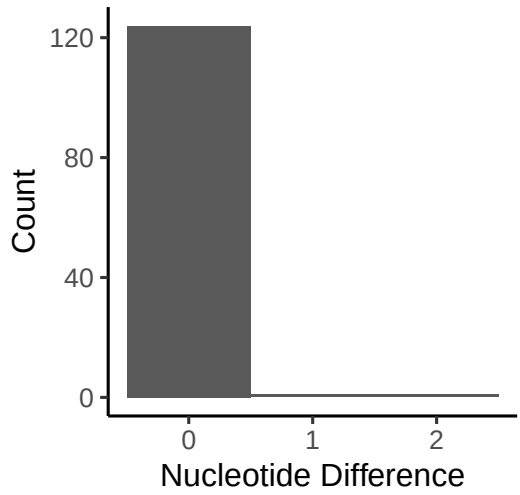
TRBV5−8*ap01

372 sequences assigned
367 (98.7%) exact matches, in which:
364 unique CDR3
13 unique J



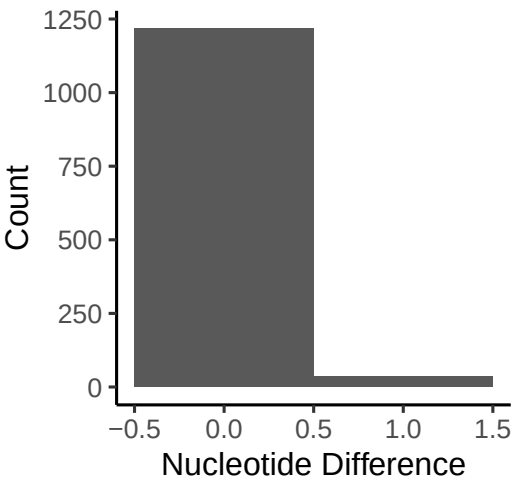
TRBV6−7*ap01

126 sequences assigned
124 (98.4%) exact matches, in which:
123 unique CDR3
13 unique J



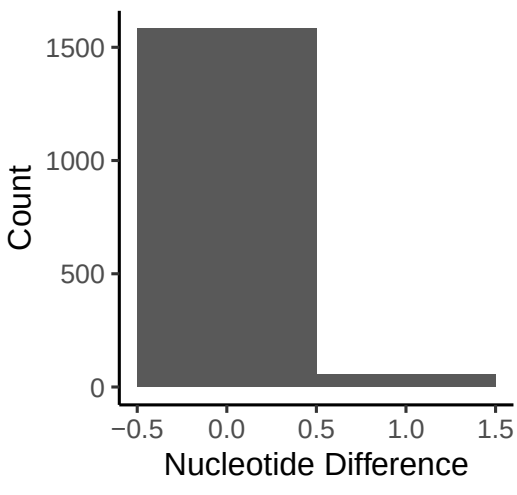
TRBV5−6*ap01

1253 sequences assigned
1217 (97.1%) exact matches, in which:
1205 unique CDR3
13 unique J



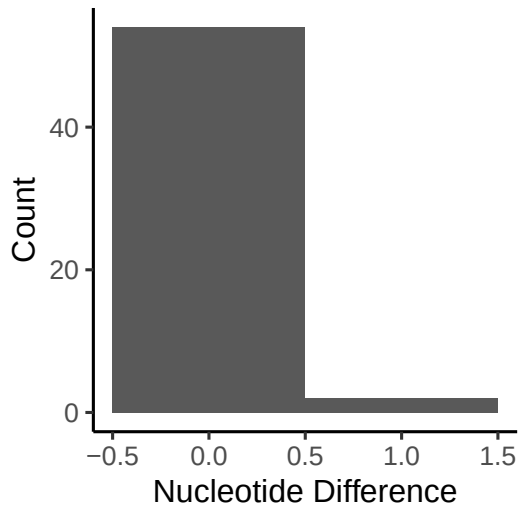
TRBV6−1*ap01

1637 sequences assigned
1582 (96.6%) exact matches, in which:
1554 unique CDR3
13 unique J



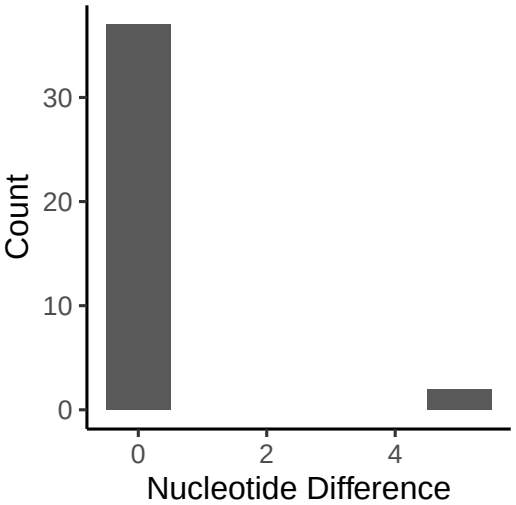
TRBV6−8*ap01

56 sequences assigned
54 (96.4%) exact matches, in which:
54 unique CDR3
11 unique J



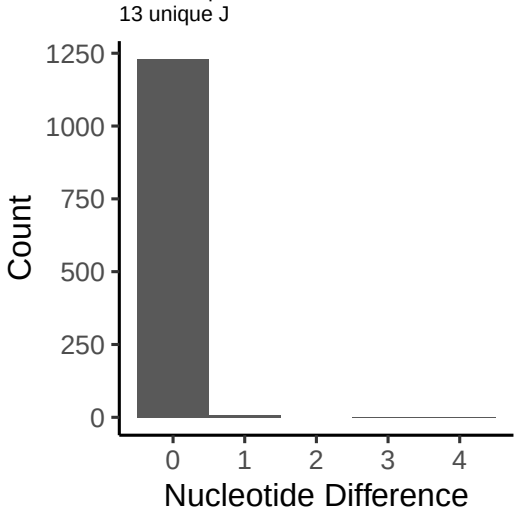
TRBV5−7*ap01

39 sequences assigned
37 (94.9%) exact matches, in which:
35 unique CDR3
11 unique J



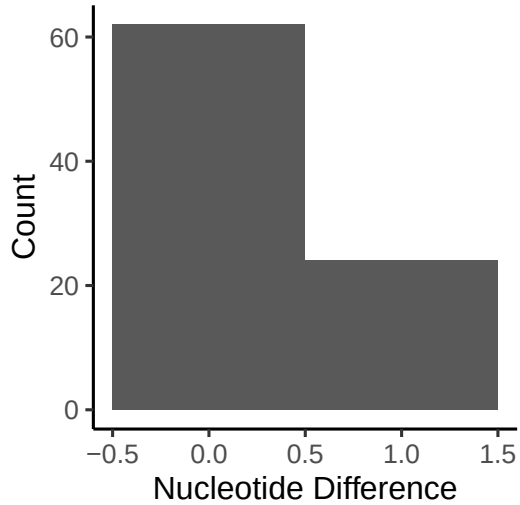
TRBV6−4*ap01

1241 sequences assigned
1230 (99.1%) exact matches, in which:
1217 unique CDR3
13 unique J



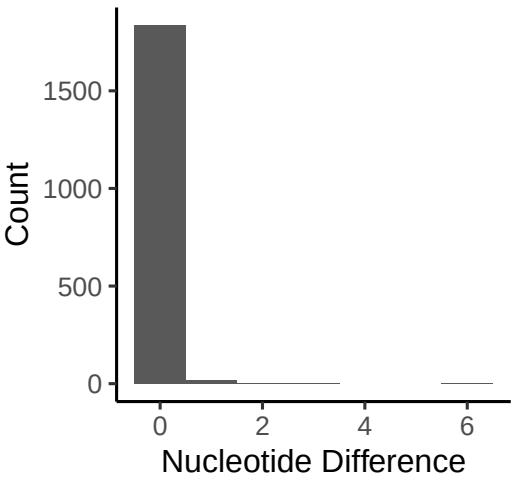
TRBV6−9*ap01

86 sequences assigned
62 (72.1%) exact matches, in which:
60 unique CDR3
12 unique J



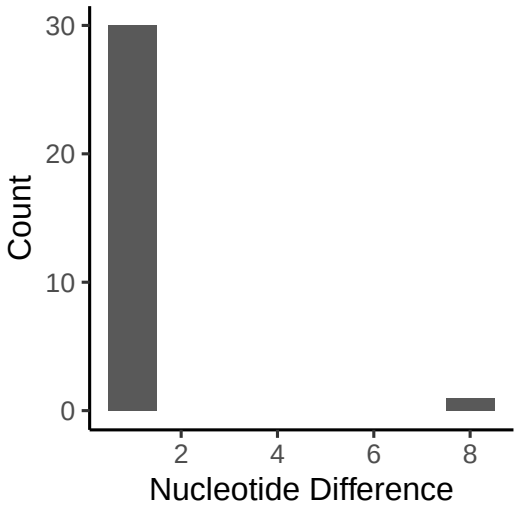
TRBV6−23*ap01

1857 sequences assigned
1835 (98.8%) exact matches, in which:
1802 unique CDR3
13 unique J



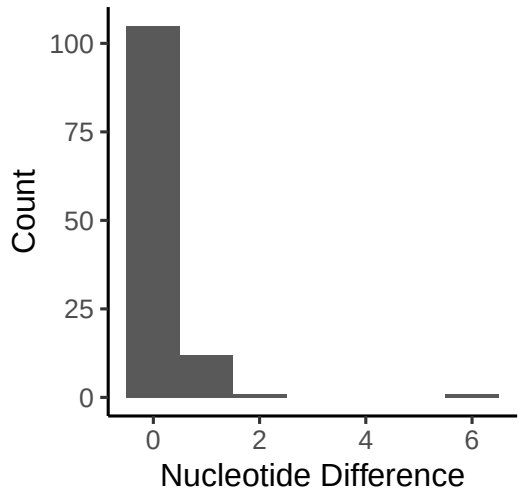
TRBV7−1*ap01_T296C

31 sequences assigned
No exact matches.



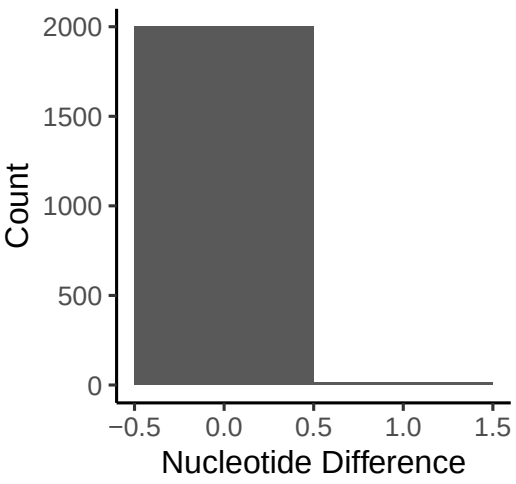
TRBV7−4*ap01

119 sequences assigned
105 (88.2%) exact matches, in which:
100 unique CDR3
12 unique J



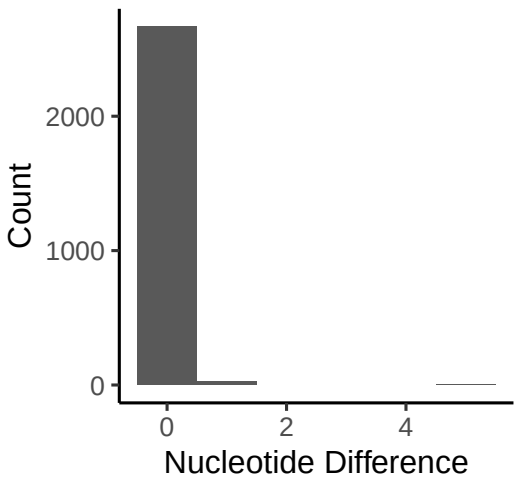
TRBV6−56*ap01

2015 sequences assigned
2000 (99.3%) exact matches, in which:
1960 unique CDR3
13 unique J



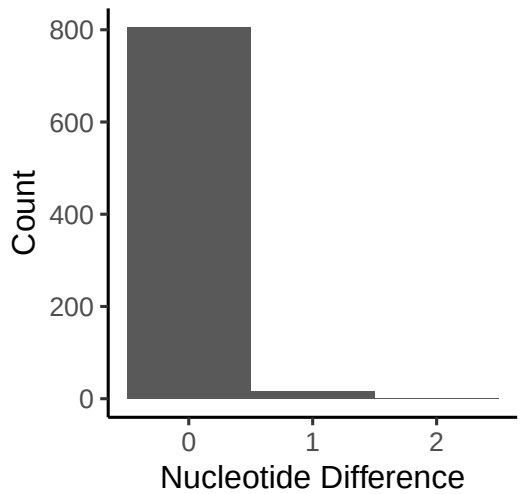
TRBV7−2*ap01

2693 sequences assigned
2666 (99%) exact matches, in which:
2636 unique CDR3
13 unique J



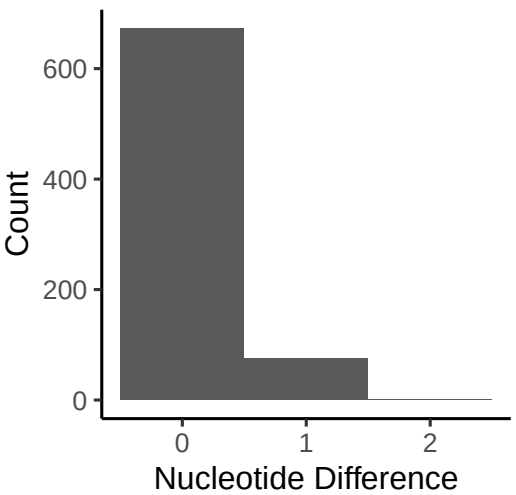
TRBV7−6*ap01

824 sequences assigned
806 (97.8%) exact matches, in which:
789 unique CDR3
13 unique J



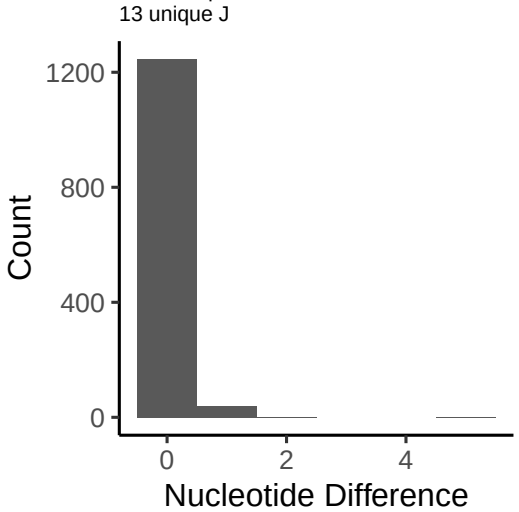
TRBV6−56*ap02

749 sequences assigned
673 (89.9%) exact matches, in which:
660 unique CDR3
13 unique J



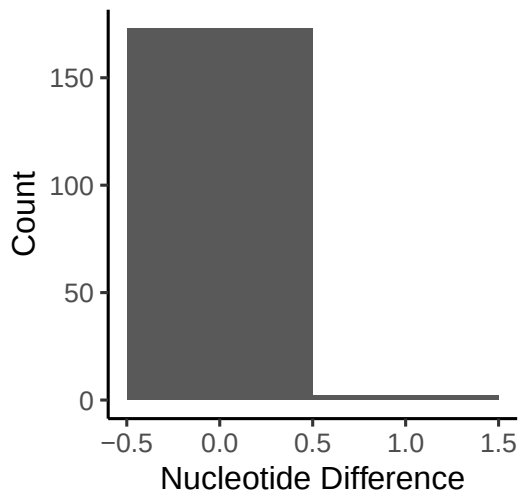
TRBV7−3*ap01

1288 sequences assigned
1246 (96.7%) exact matches, in which:
1226 unique CDR3
13 unique J



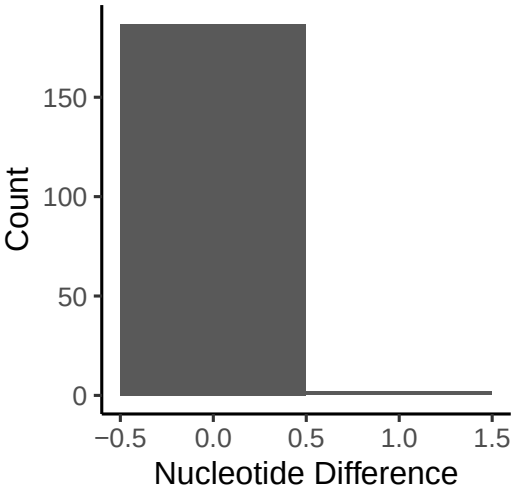
TRBV7−7*ap01

175 sequences assigned
173 (98.9%) exact matches, in which:
170 unique CDR3
11 unique J



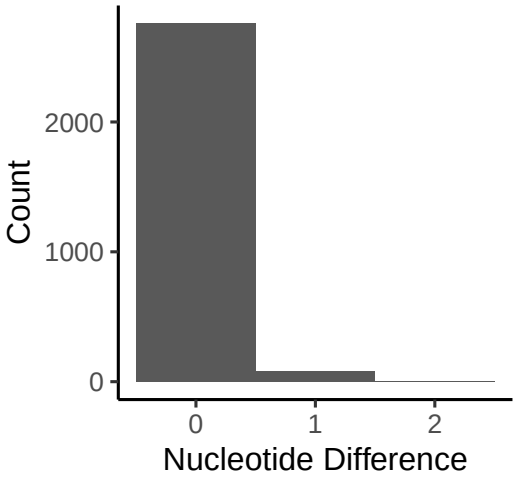
TRBV7−7*ap01_C315T

189 sequences assigned
187 (98.9%) exact matches, in which:
184 unique CDR3
13 unique J



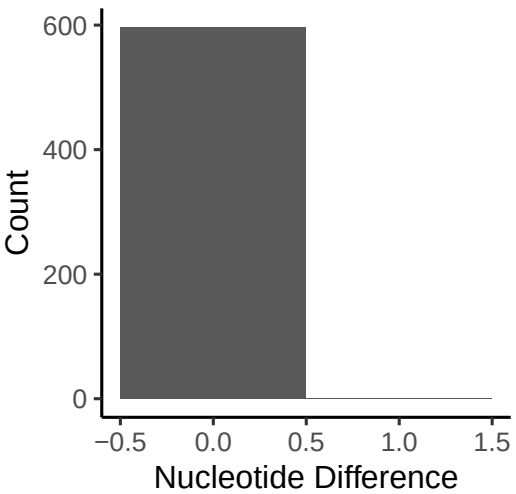
TRBV7−9*ap01

2847 sequences assigned
2759 (96.9%) exact matches, in which:
2729 unique CDR3
13 unique J



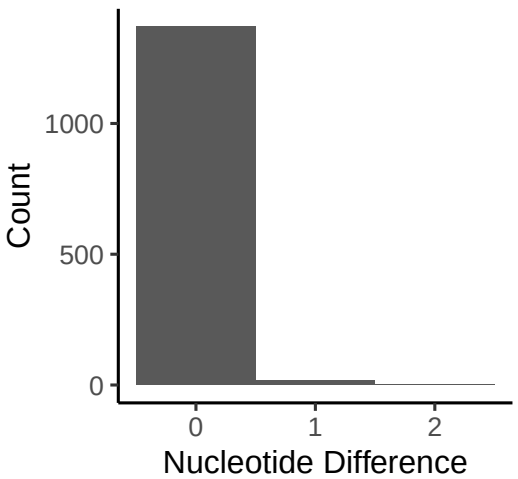
TRBV7−8*ap01

598 sequences assigned
597 (99.8%) exact matches, in which:
596 unique CDR3
13 unique J



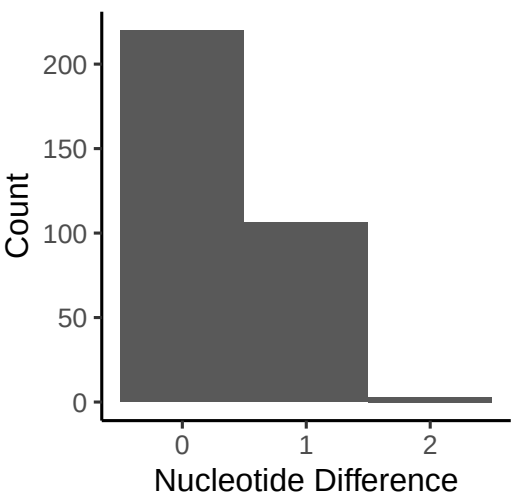
TRBV29−1*ap01

1389 sequences assigned
1370 (98.6%) exact matches, in which:
1346 unique CDR3
13 unique J



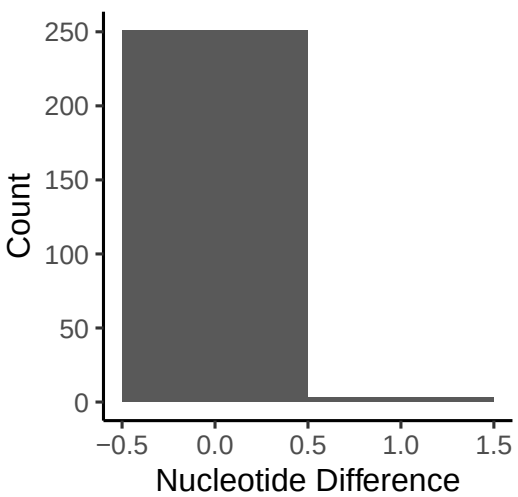
TRBV7−8*ap03

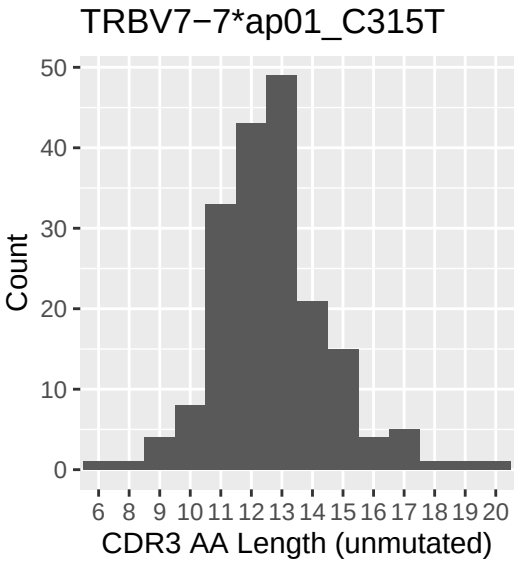
329 sequences assigned
220 (66.9%) exact matches, in which:
218 unique CDR3
13 unique J



TRBV29−1*ap02

254 sequences assigned
251 (98.8%) exact matches, in which:
246 unique CDR3
13 unique J




TRBV7−7*ap01_C315T
Count
50
40
30
20
10
0
6 8 9 10 11 12 13 14 15 16 17 18 19 20
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.