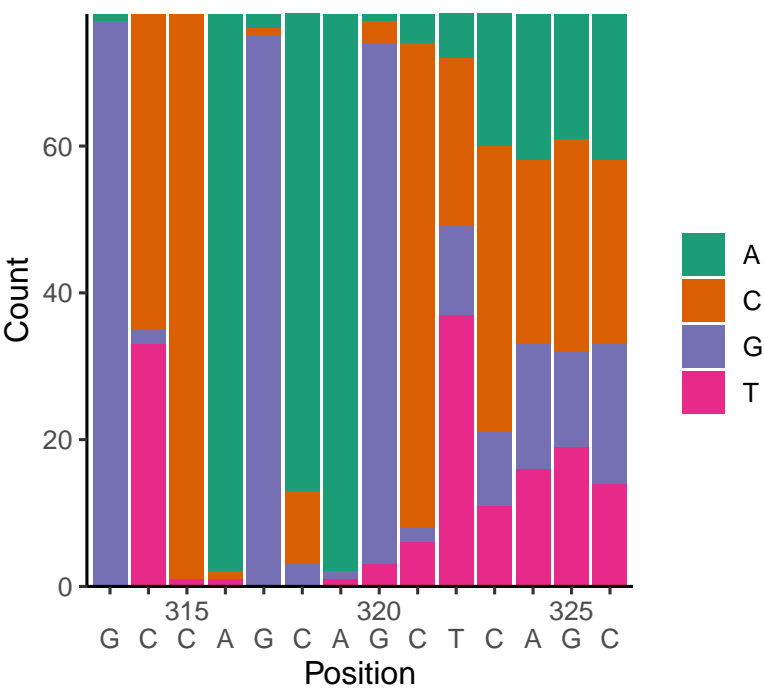
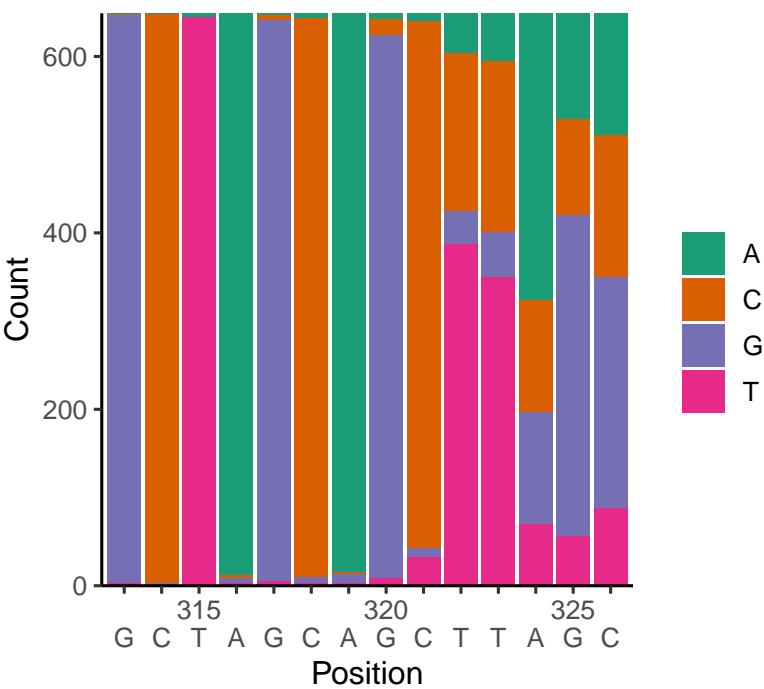


Gene TRBV7-1*ap01_T296C



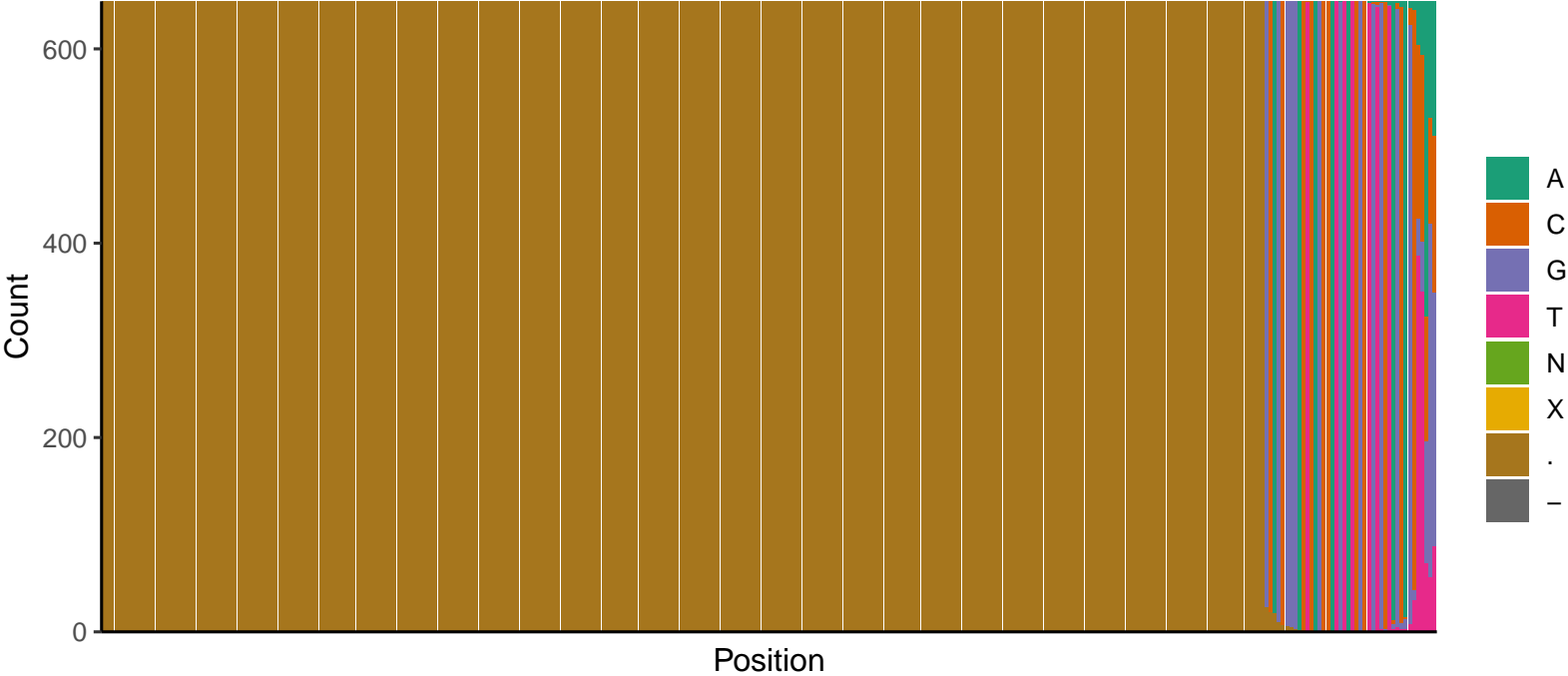
Gene TRBV7-7*ap01_C315T



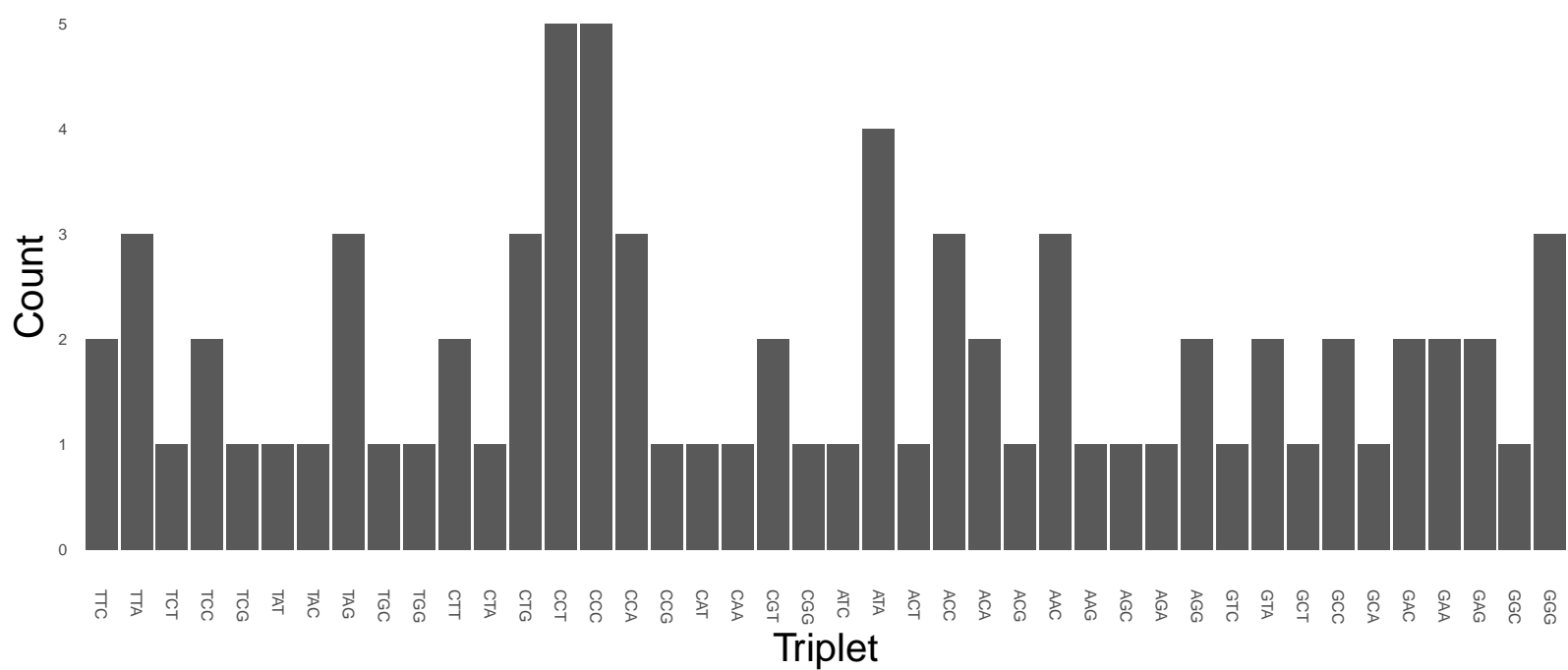
Gene TRBV7-1*ap01_T296C



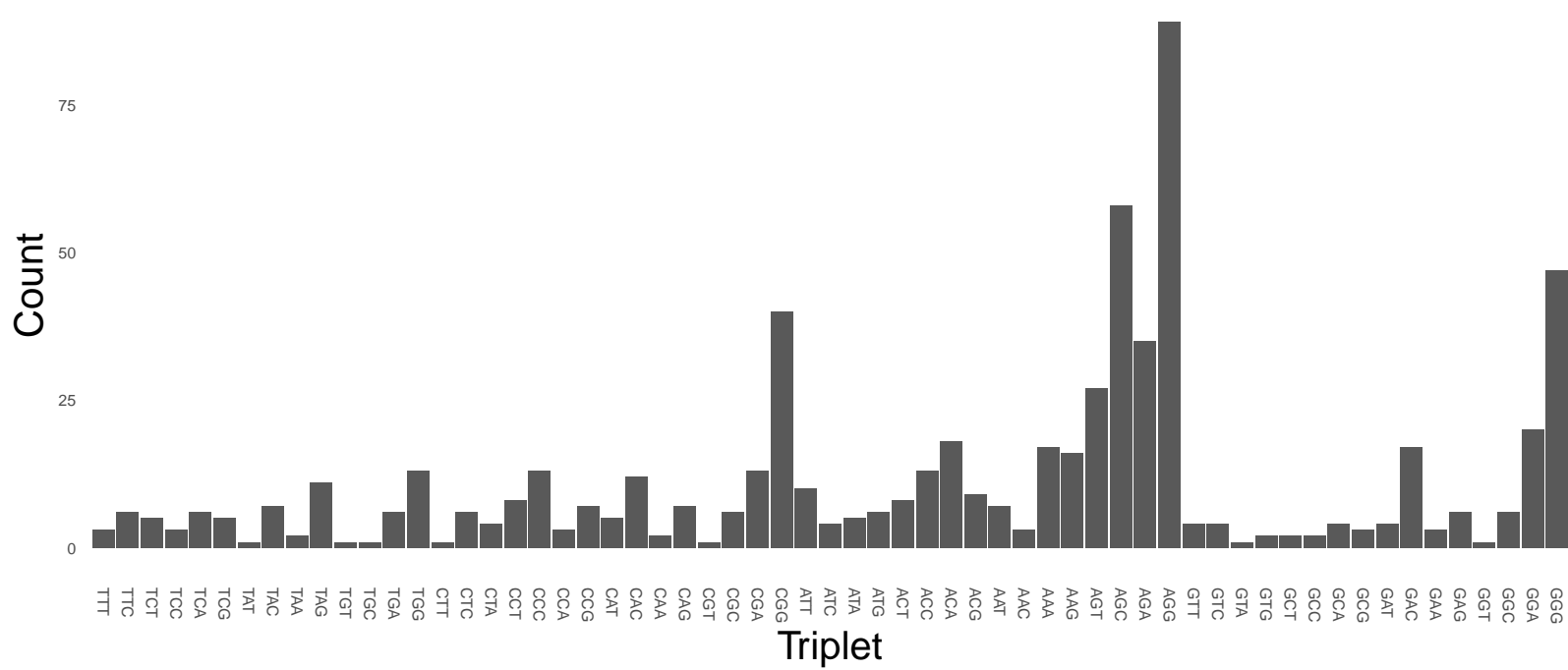
Gene TRBV7-7*ap01_C315T



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

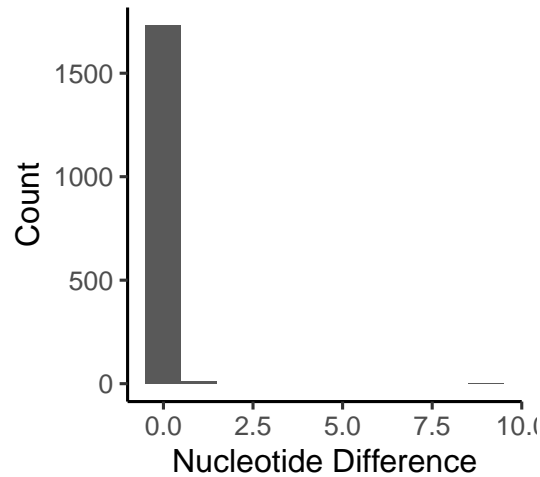


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



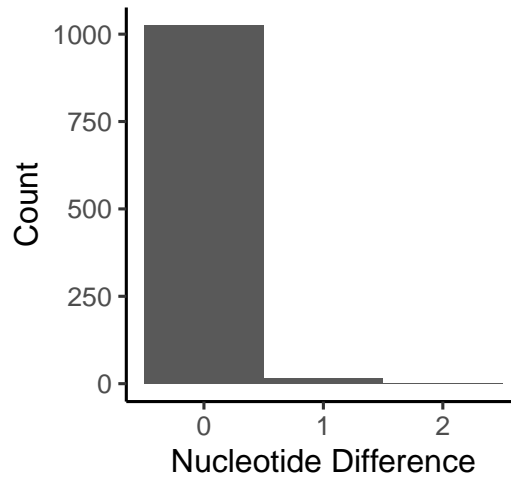
TRBV10-1*ap01

1744 sequences assigned
1731 (99.3%) exact matches, in which:
1704 unique CDR3
13 unique J



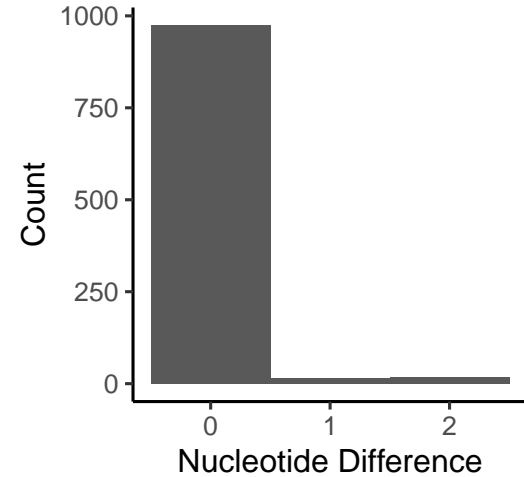
TRBV10-2*ap01

1041 sequences assigned
1025 (98.5%) exact matches, in which:
1007 unique CDR3
13 unique J



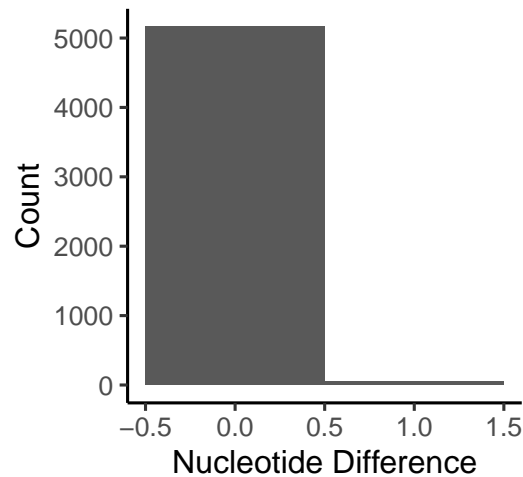
TRBV13*ap01

1008 sequences assigned
974 (96.6%) exact matches, in which:
948 unique CDR3
13 unique J



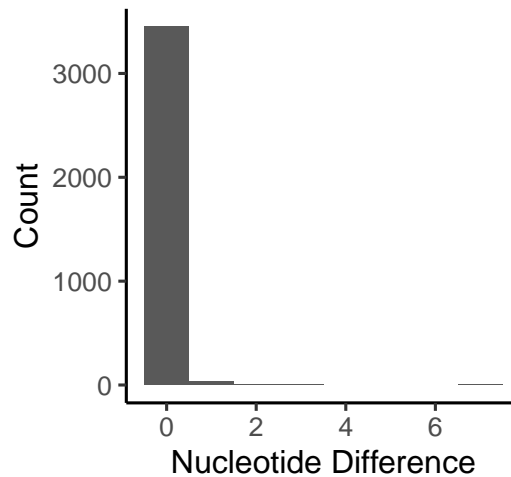
TRBV20-1*ap01

5216 sequences assigned
5163 (99%) exact matches, in which:
5088 unique CDR3
13 unique J



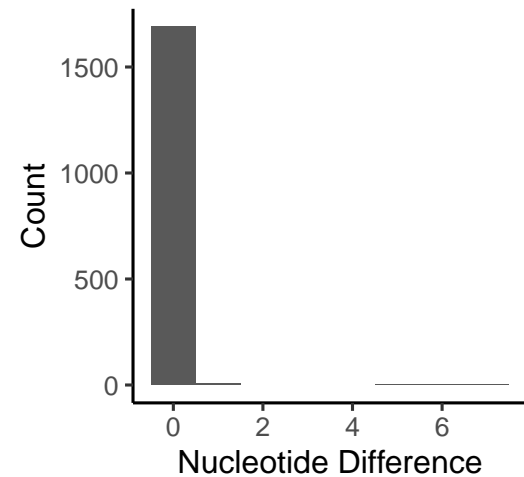
TRBV10-3*ap01

3487 sequences assigned
3450 (98.9%) exact matches, in which:
3398 unique CDR3
13 unique J



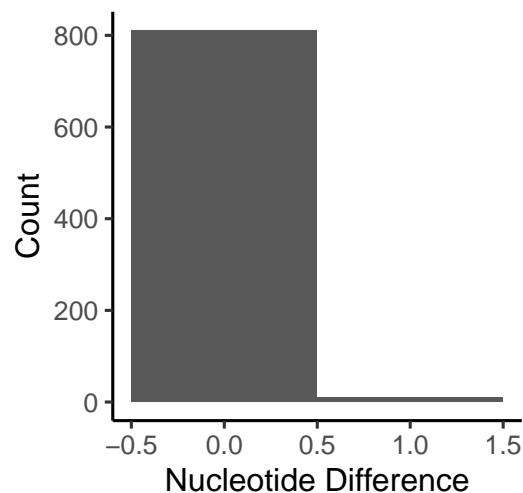
TRBV14*ap01

1700 sequences assigned
1690 (99.4%) exact matches, in which:
1673 unique CDR3
13 unique J



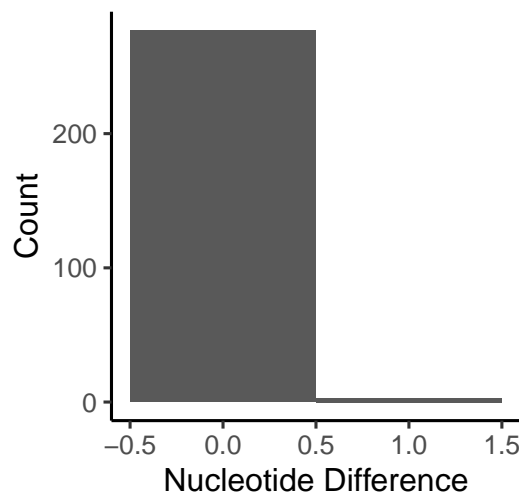
TRBV20-1*ap02

820 sequences assigned
811 (98.9%) exact matches, in which:
805 unique CDR3
13 unique J



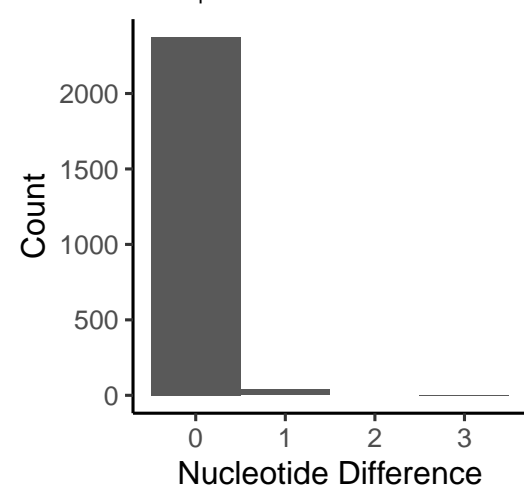
TRBV1*ap01

280 sequences assigned
277 (98.9%) exact matches, in which:
270 unique CDR3
13 unique J



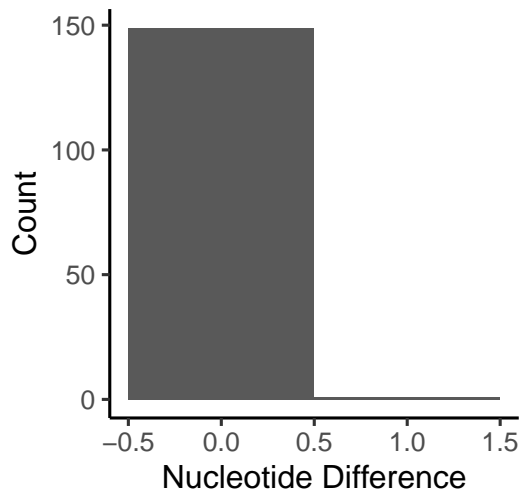
TRBV15*ap02

2413 sequences assigned
2374 (98.4%) exact matches, in which:
2337 unique CDR3
13 unique J



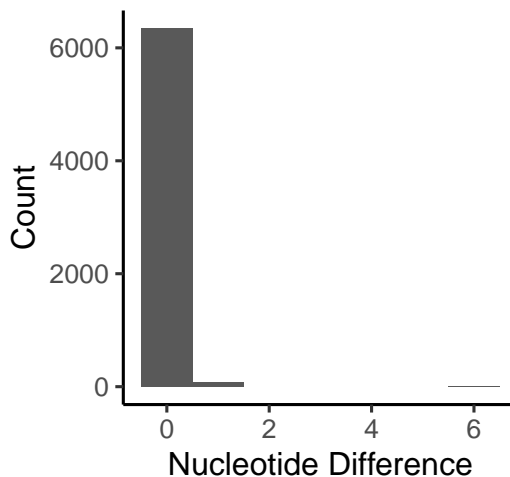
TRBV16*ap01

150 sequences assigned
149 (99.3%) exact matches, in which:
149 unique CDR3
13 unique J



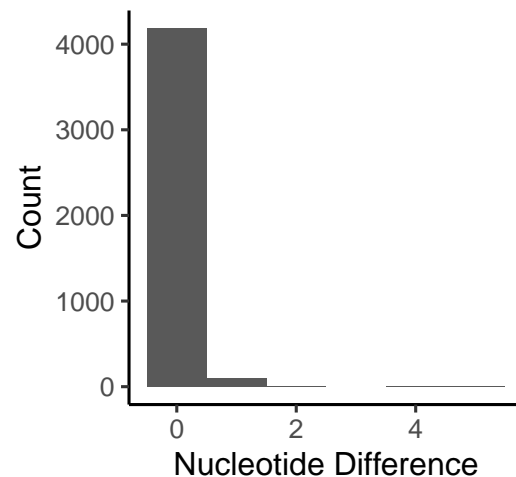
TRBV2*ap01

6420 sequences assigned
6344 (98.8%) exact matches, in which:
6260 unique CDR3
13 unique J



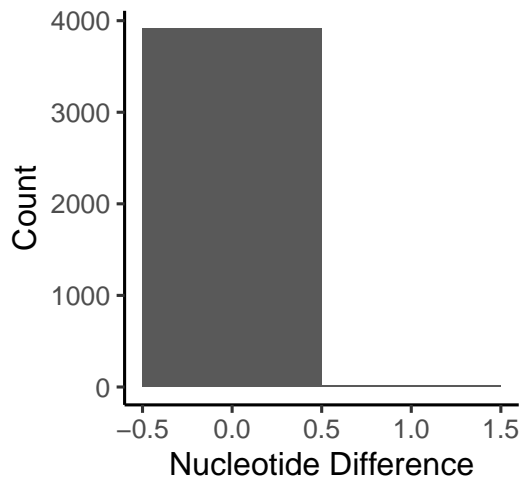
TRBV30*ap01

4287 sequences assigned
4184 (97.6%) exact matches, in which:
4109 unique CDR3
13 unique J



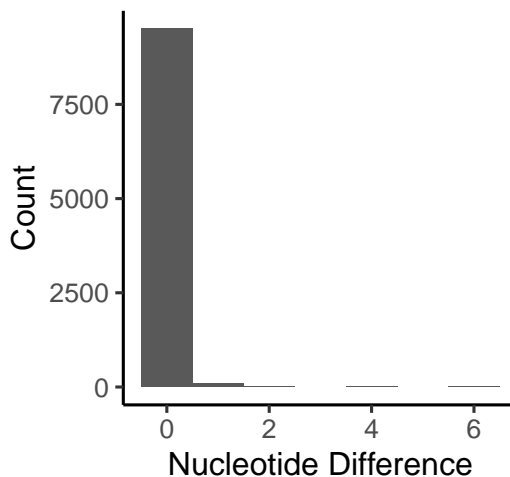
TRBV18*ap01

3928 sequences assigned
3912 (99.6%) exact matches, in which:
3890 unique CDR3
13 unique J



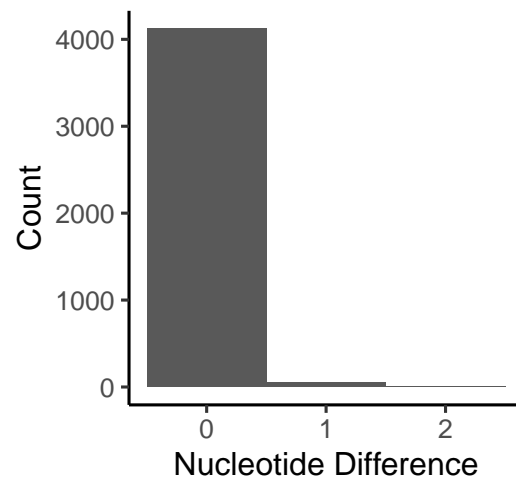
TRBV27*ap01

9606 sequences assigned
9508 (99%) exact matches, in which:
9372 unique CDR3
13 unique J



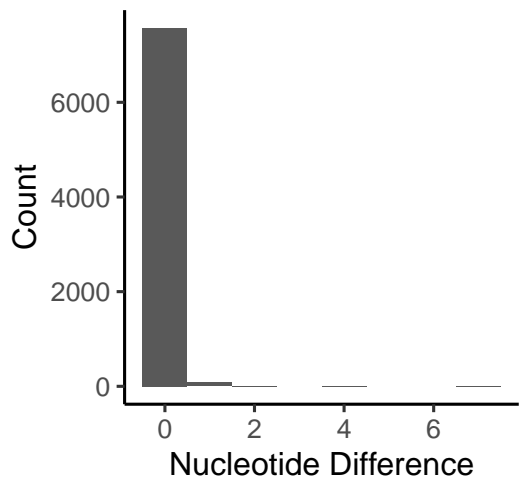
TRBV9*ap01

4172 sequences assigned
4122 (98.8%) exact matches, in which:
4088 unique CDR3
13 unique J



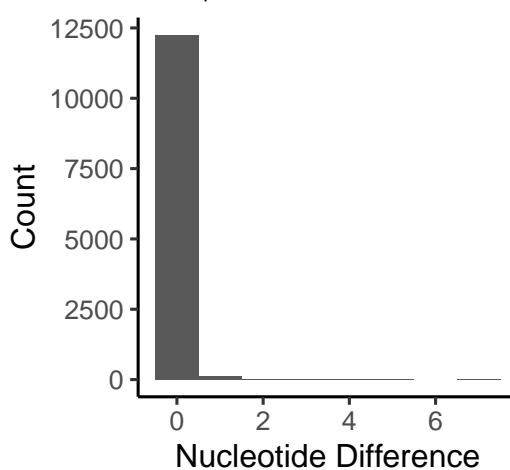
TRBV19*ap01

7654 sequences assigned
7569 (98.9%) exact matches, in which:
7509 unique CDR3
13 unique J



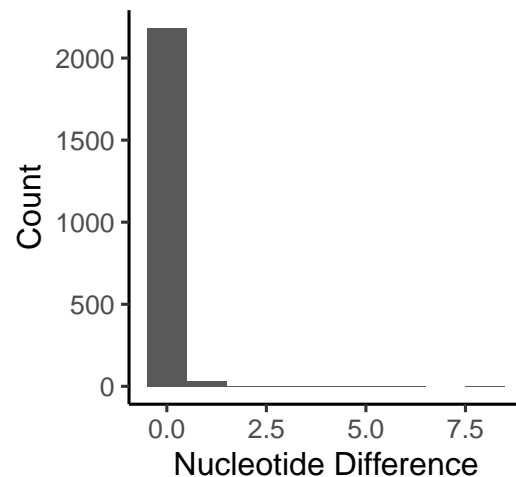
TRBV28*ap01

12396 sequences assigned
12257 (98.9%) exact matches, in which:
12133 unique CDR3
13 unique J



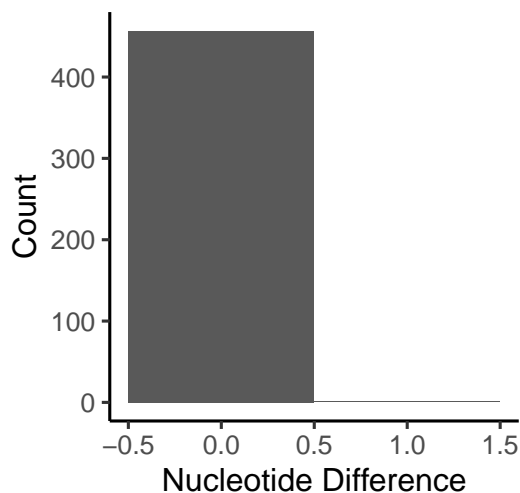
TRBV21-1*ap01

2225 sequences assigned
2183 (98.1%) exact matches, in which:
2171 unique CDR3
13 unique J



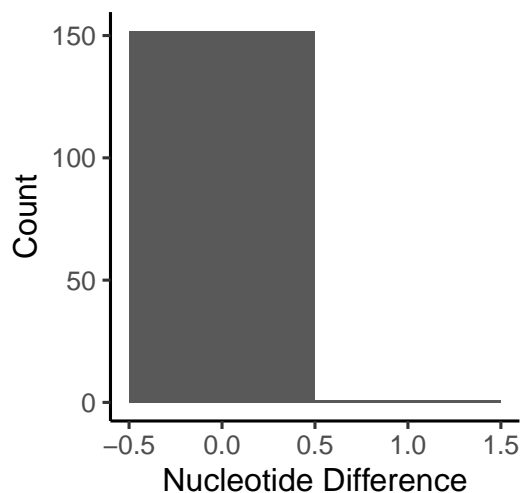
TRBV11-1*ap01

458 sequences assigned
457 (99.8%) exact matches, in which:
449 unique CDR3
13 unique J



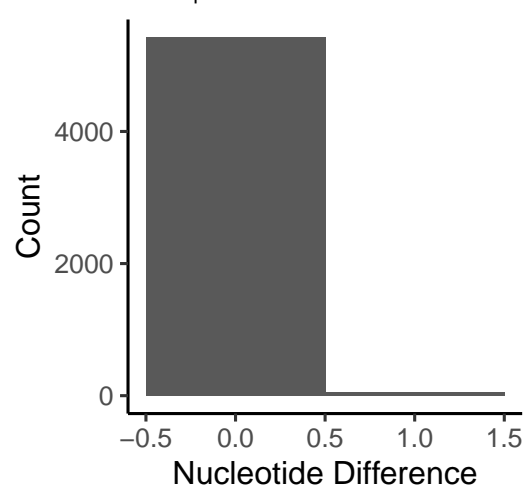
TRBV12-1*ap01

153 sequences assigned
152 (99.3%) exact matches, in which:
151 unique CDR3
12 unique J



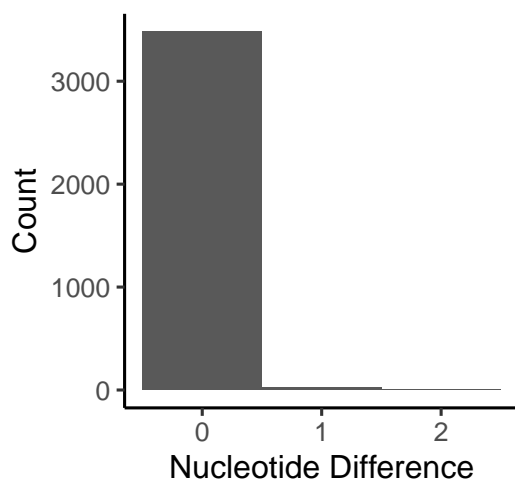
TRBV12-34*ap01

5473 sequences assigned
5424 (99.1%) exact matches, in which:
5332 unique CDR3
13 unique J



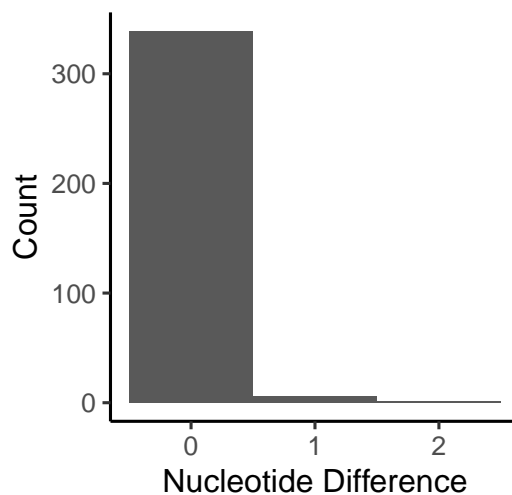
TRBV11-2*ap01

3506 sequences assigned
3481 (99.3%) exact matches, in which:
3443 unique CDR3
13 unique J



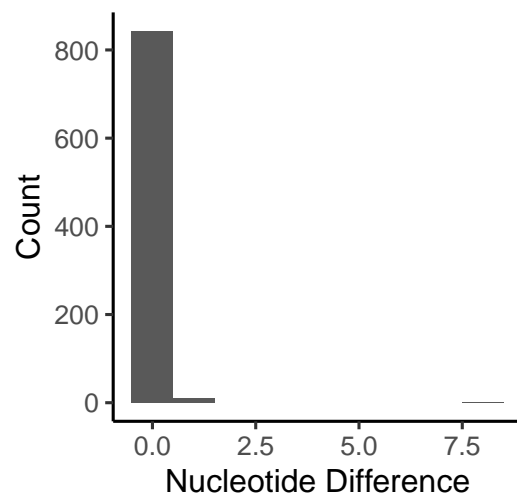
TRBV12-2*ap01

346 sequences assigned
339 (98%) exact matches, in which:
334 unique CDR3
13 unique J



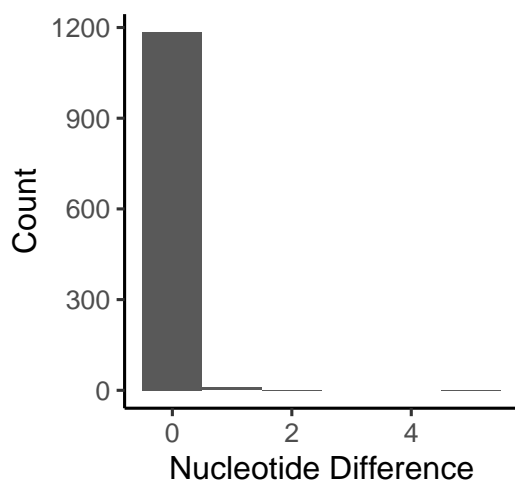
TRBV23-1*ap01

854 sequences assigned
843 (98.7%) exact matches, in which:
834 unique CDR3
13 unique J



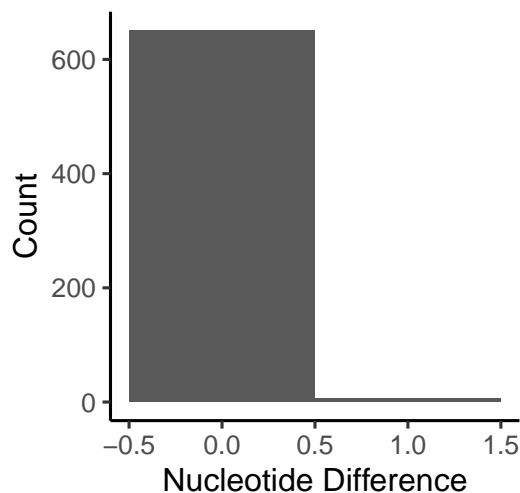
TRBV11-3*ap01

1197 sequences assigned
1185 (99%) exact matches, in which:
1170 unique CDR3
13 unique J



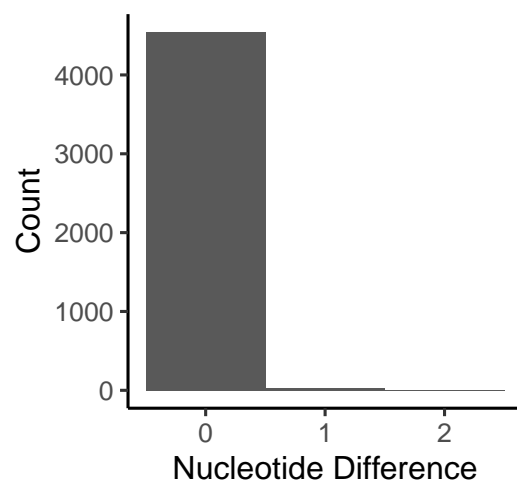
TRBV12-5*ap01

657 sequences assigned
651 (99.1%) exact matches, in which:
644 unique CDR3
13 unique J



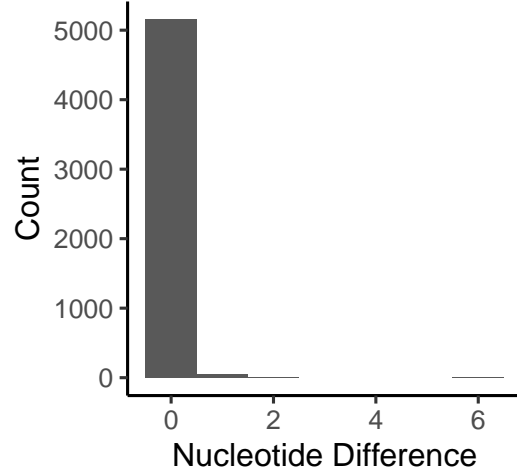
TRBV3-12*ap01

4577 sequences assigned
4544 (99.3%) exact matches, in which:
4512 unique CDR3
13 unique J



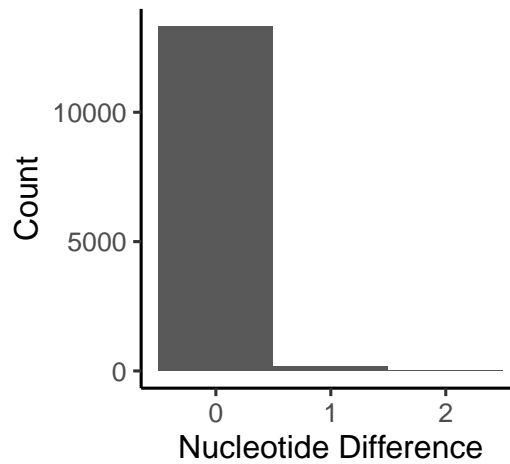
TRBV4-1*ap01

5212 sequences assigned
5155 (98.9%) exact matches, in which:
5064 unique CDR3
13 unique J



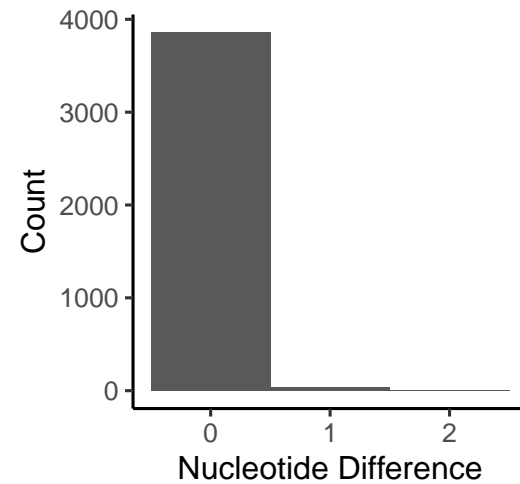
TRBV5-1*ap01

13497 sequences assigned
13329 (98.8%) exact matches, in which:
13101 unique CDR3
13 unique J



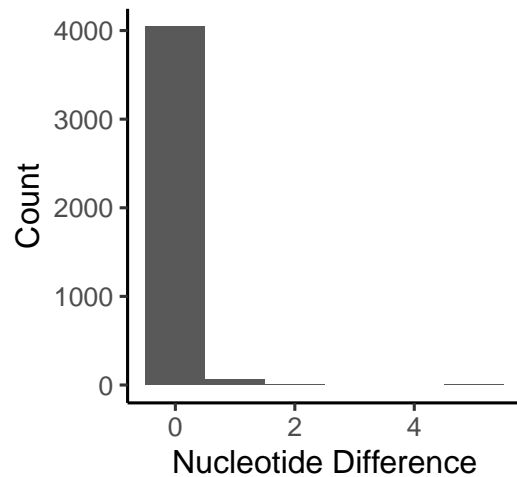
TRBV5-4*ap01

3898 sequences assigned
3859 (99%) exact matches, in which:
3800 unique CDR3
13 unique J



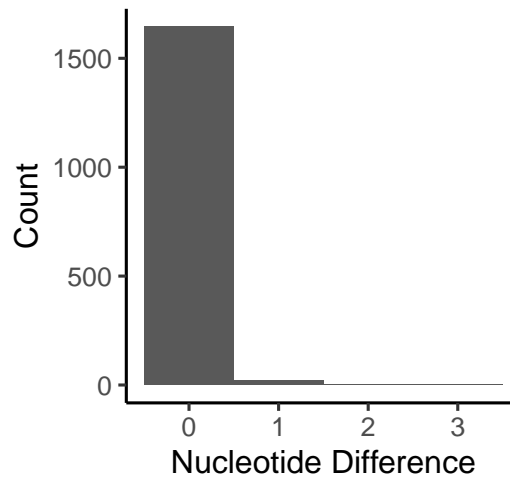
TRBV24-1*ap01

4107 sequences assigned
4043 (98.4%) exact matches, in which:
3979 unique CDR3
13 unique J



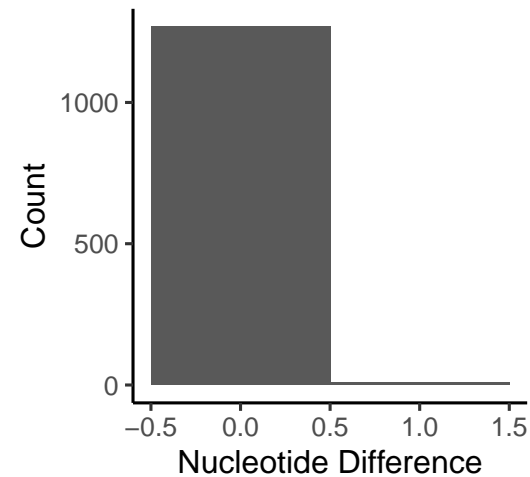
TRBV25-1*ap01

1670 sequences assigned
1645 (98.5%) exact matches, in which:
1608 unique CDR3
13 unique J



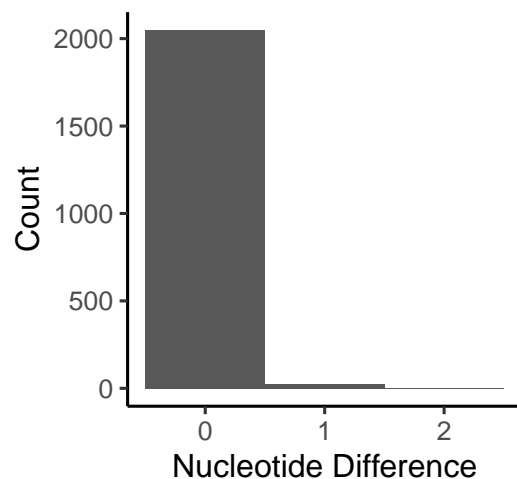
TRBV5-5*ap01

1278 sequences assigned
1268 (99.2%) exact matches, in which:
1263 unique CDR3
13 unique J



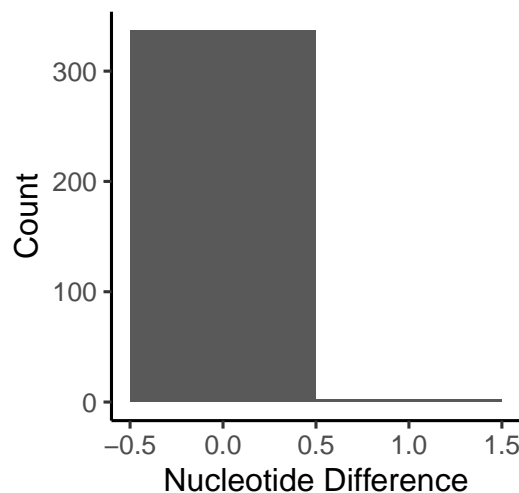
TRBV4-2*ap01

2075 sequences assigned
2049 (98.7%) exact matches, in which:
2015 unique CDR3
13 unique J



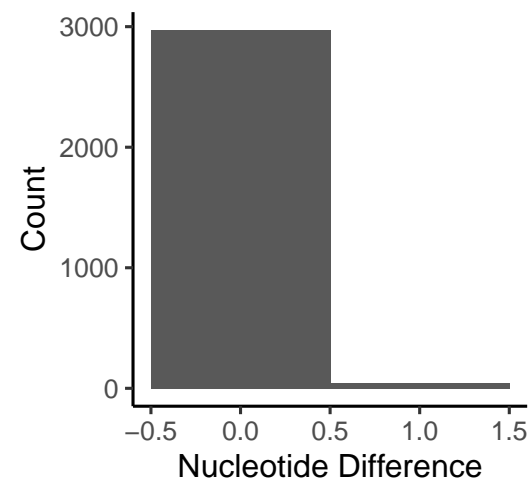
TRBV5-3*ap01

339 sequences assigned
337 (99.4%) exact matches, in which:
335 unique CDR3
13 unique J



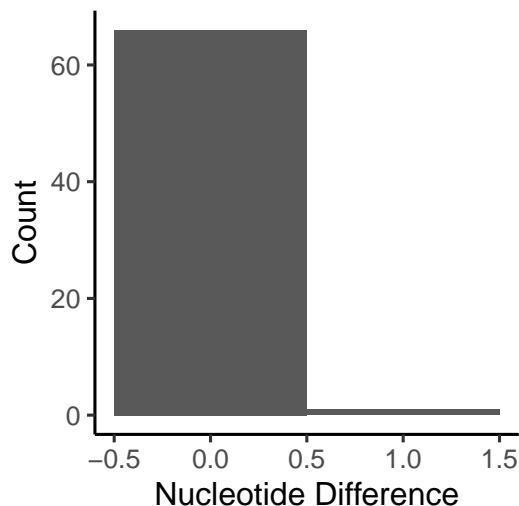
TRBV5-6*ap01

3018 sequences assigned
2972 (98.5%) exact matches, in which:
2914 unique CDR3
13 unique J



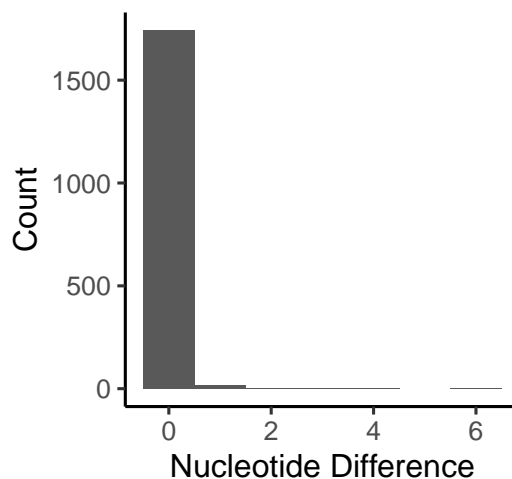
TRBV5-7*ap01

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



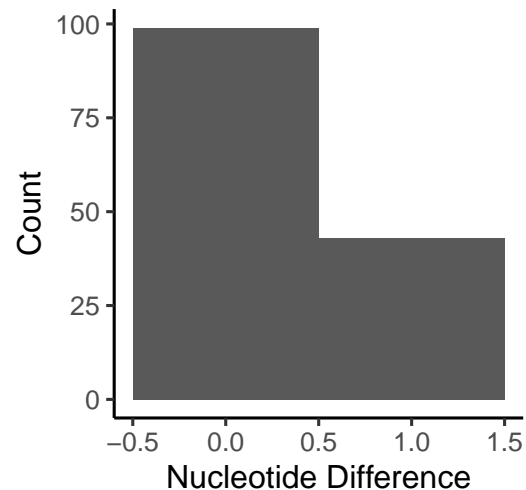
TRBV6-4*ap01

1764 sequences assigned
1742 (98.8%) exact matches, in which:
1724 unique CDR3
13 unique J



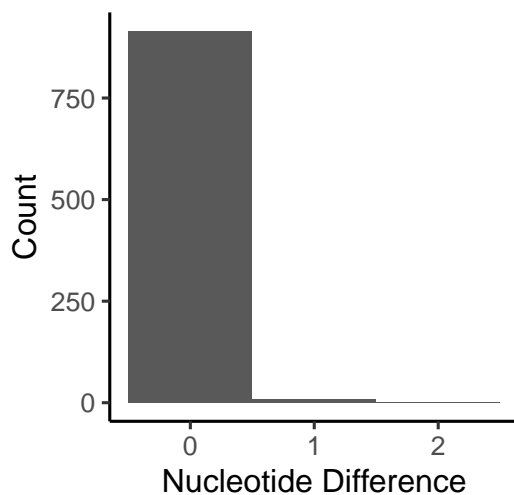
TRBV6-9*ap01

142 sequences assigned
99 (69.7%) exact matches, in which:
94 unique CDR3
13 unique J



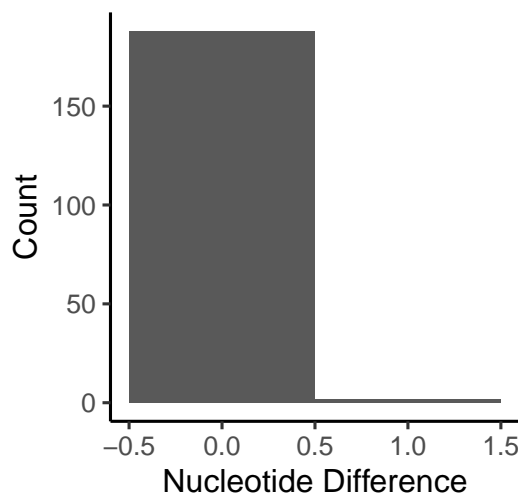
TRBV5-8*ap01

924 sequences assigned
915 (99%) exact matches, in which:
903 unique CDR3
13 unique J



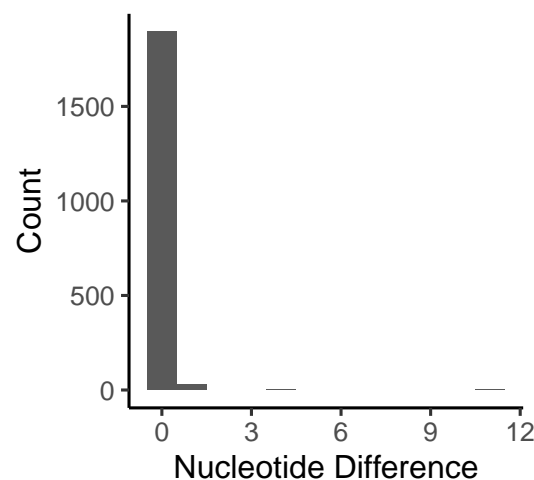
TRBV6-7*ap01

190 sequences assigned
188 (98.9%) exact matches, in which:
176 unique CDR3
13 unique J



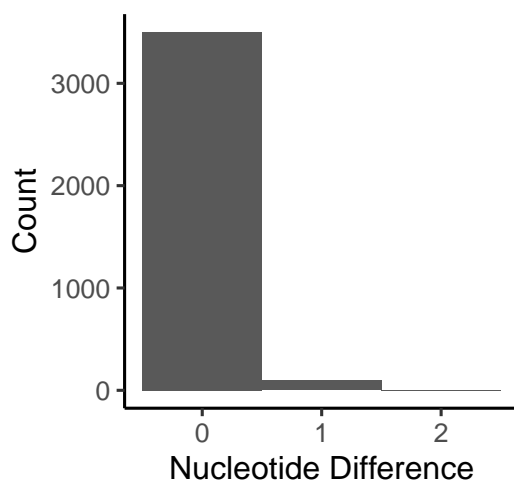
TRBV6-23*ap01

1927 sequences assigned
1895 (98.3%) exact matches, in which:
1858 unique CDR3
13 unique J



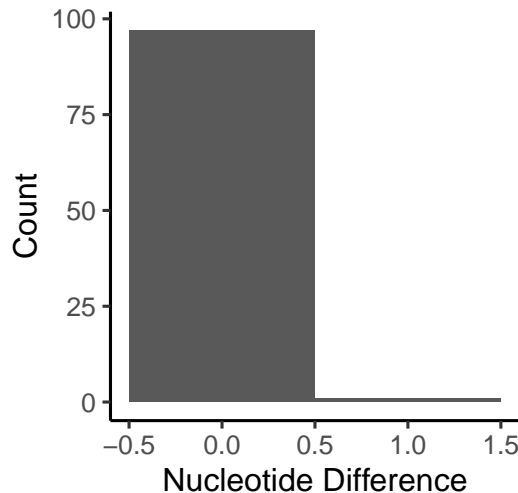
TRBV6-1*ap01

3598 sequences assigned
3501 (97.3%) exact matches, in which:
3422 unique CDR3
13 unique J



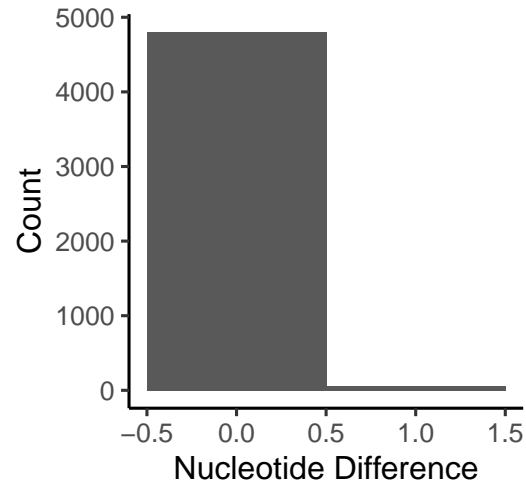
TRBV6-8*ap01

98 sequences assigned
97 (99%) exact matches, in which:
94 unique CDR3
13 unique J



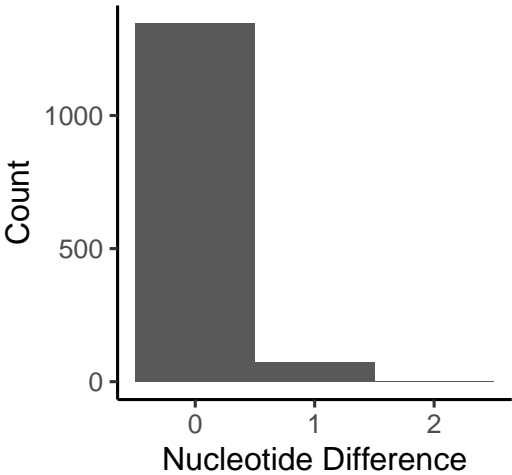
TRBV6-56*ap01

4862 sequences assigned
4802 (98.8%) exact matches, in which:
4701 unique CDR3
13 unique J



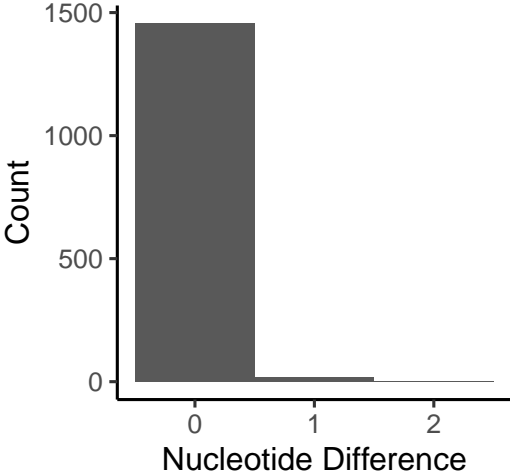
TRBV6-56*ap02

1422 sequences assigned
1346 (94.7%) exact matches, in which:
1321 unique CDR3
13 unique J



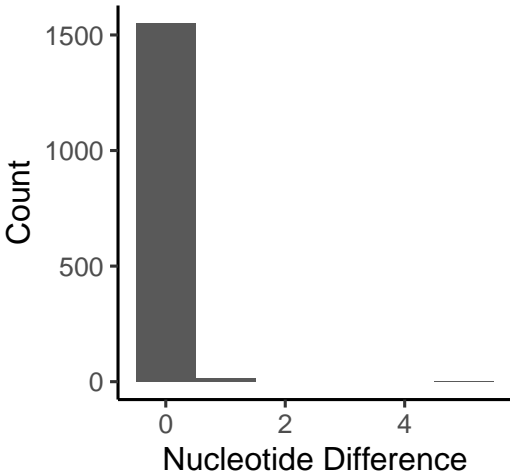
TRBV7-3*ap01

1475 sequences assigned
1456 (98.7%) exact matches, in which:
1445 unique CDR3
13 unique J



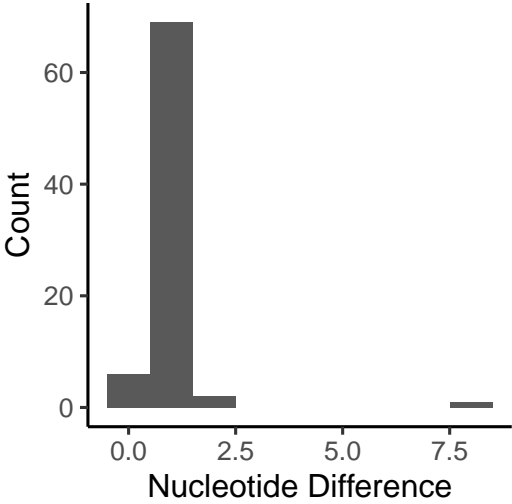
TRBV7-6*ap01

1566 sequences assigned
1550 (99%) exact matches, in which:
1523 unique CDR3
13 unique J



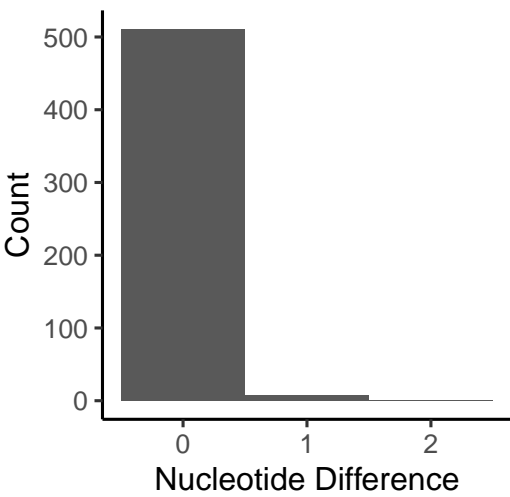
TRBV7-1*ap01_T296C

78 sequences assigned
6 (7.7%) exact matches, in which:
6 unique CDR3
4 unique J



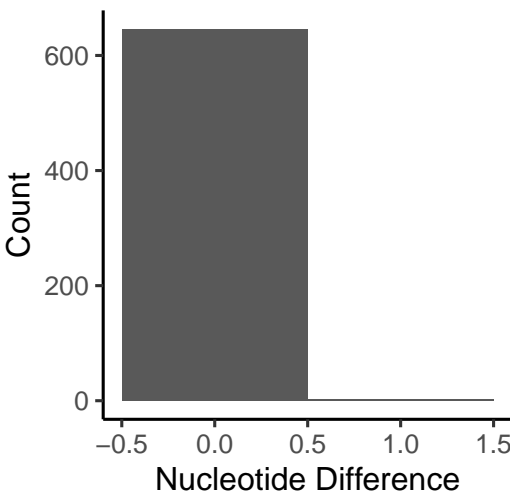
TRBV7-3*ap03

520 sequences assigned
511 (98.3%) exact matches, in which:
504 unique CDR3
13 unique J



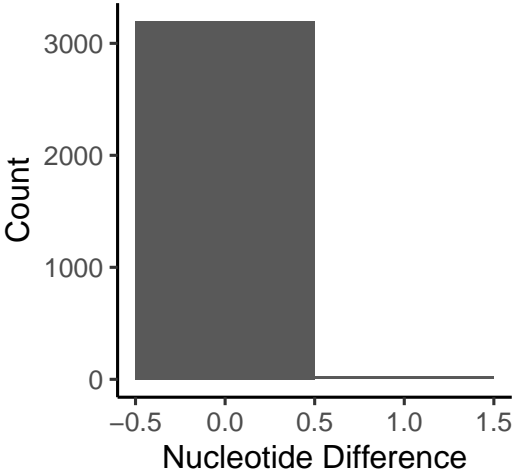
TRBV7-7*ap01_C315T

649 sequences assigned
646 (99.5%) exact matches, in which:
638 unique CDR3
13 unique J



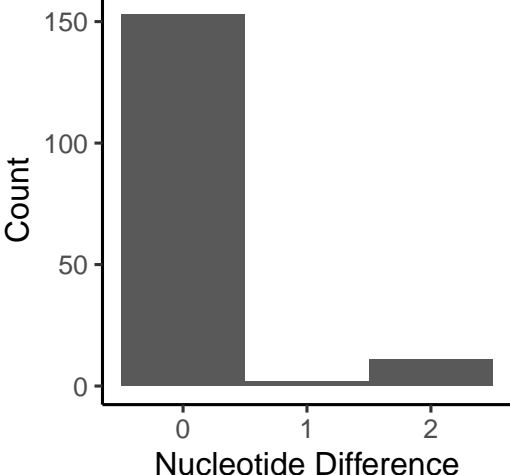
TRBV7-2*ap01

3224 sequences assigned
3199 (99.2%) exact matches, in which:
3164 unique CDR3
13 unique J



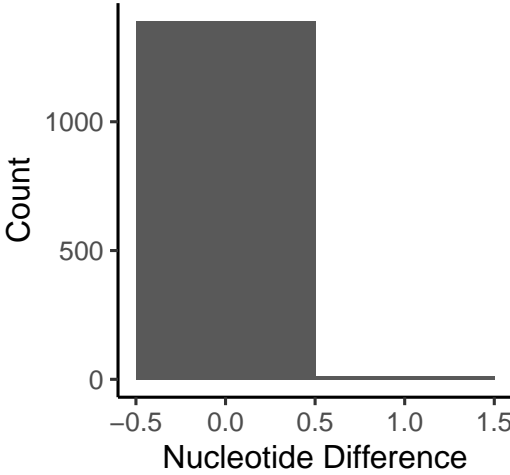
TRBV7-4*ap01

166 sequences assigned
153 (92.2%) exact matches, in which:
150 unique CDR3
13 unique J



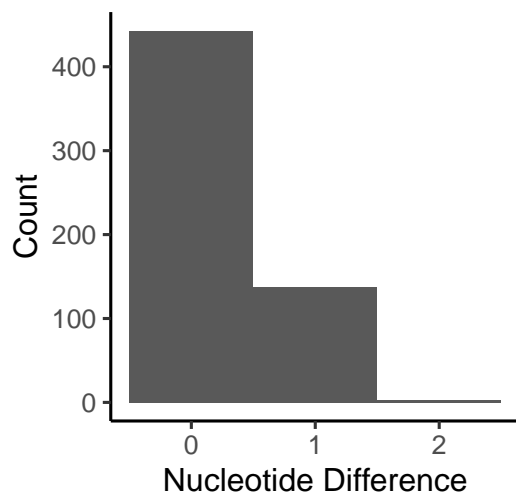
TRBV7-8*ap01

1405 sequences assigned
1391 (99%) exact matches, in which:
1372 unique CDR3
13 unique J



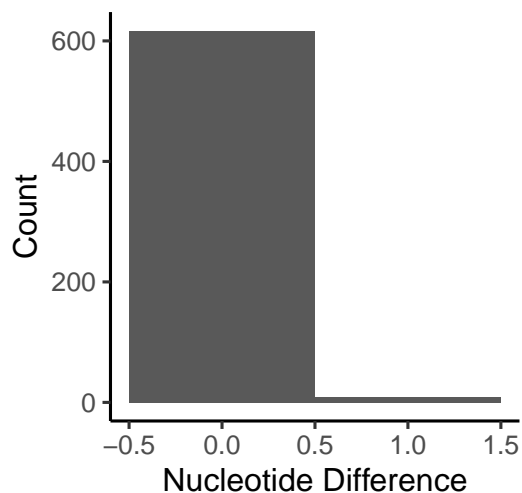
TRBV7–8*ap03

584 sequences assigned
443 (75.9%) exact matches, in which:
436 unique CDR3
13 unique J



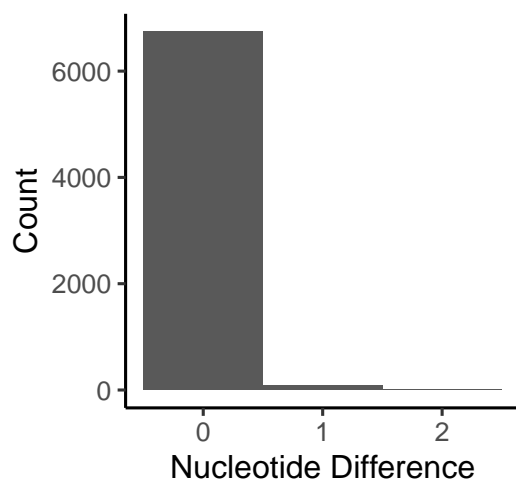
TRBV29–1*ap02

626 sequences assigned
617 (98.6%) exact matches, in which:
602 unique CDR3
13 unique J



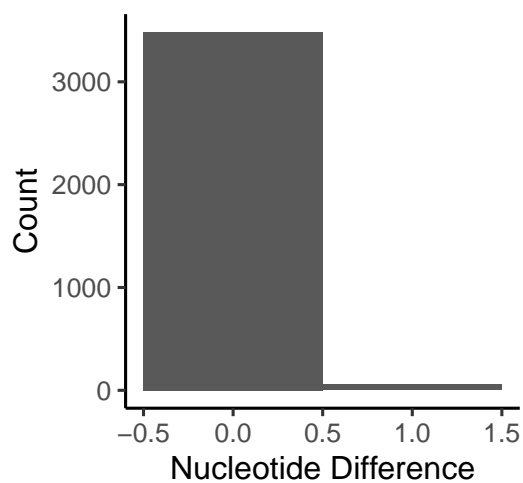
TRBV7–9*ap01

6830 sequences assigned
6741 (98.7%) exact matches, in which:
6667 unique CDR3
13 unique J

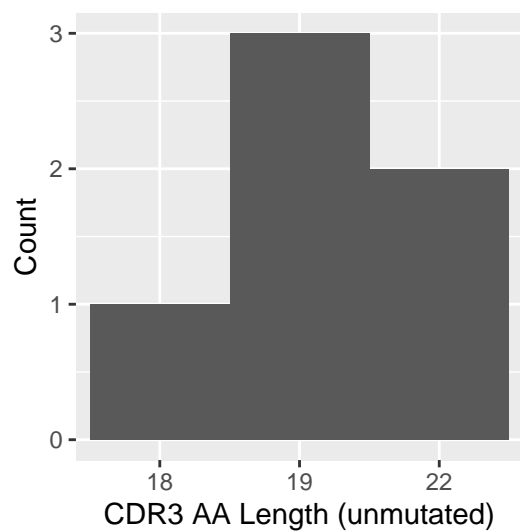


TRBV29–1*ap01

3541 sequences assigned
3484 (98.4%) exact matches, in which:
3386 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

