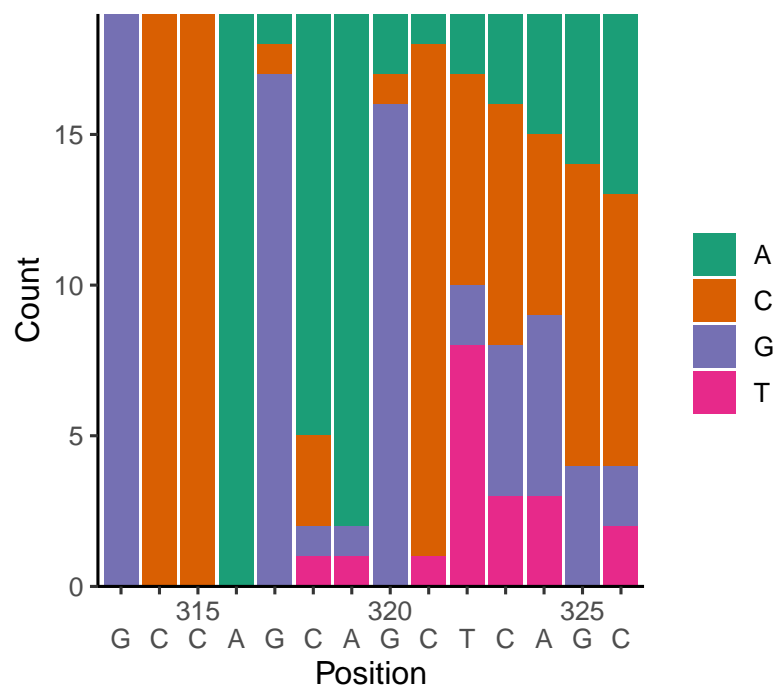
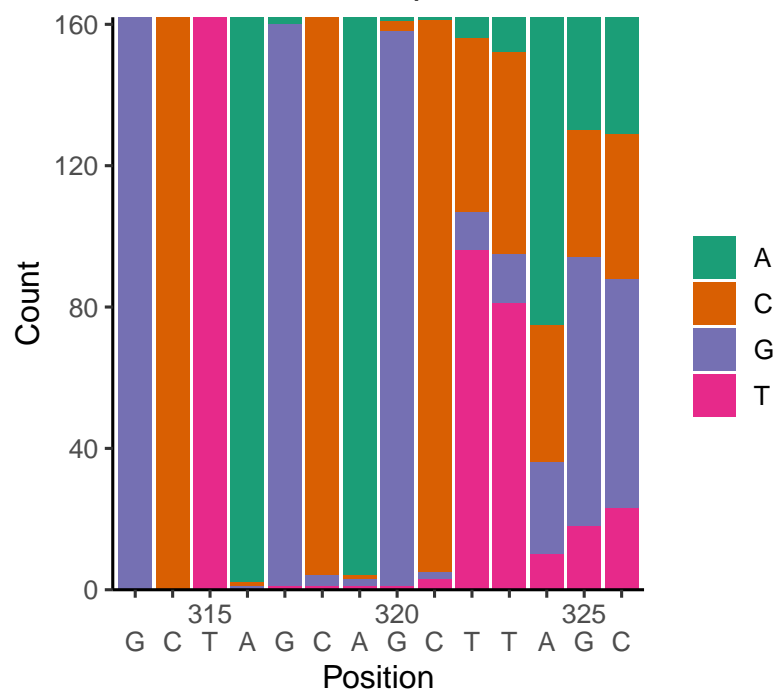


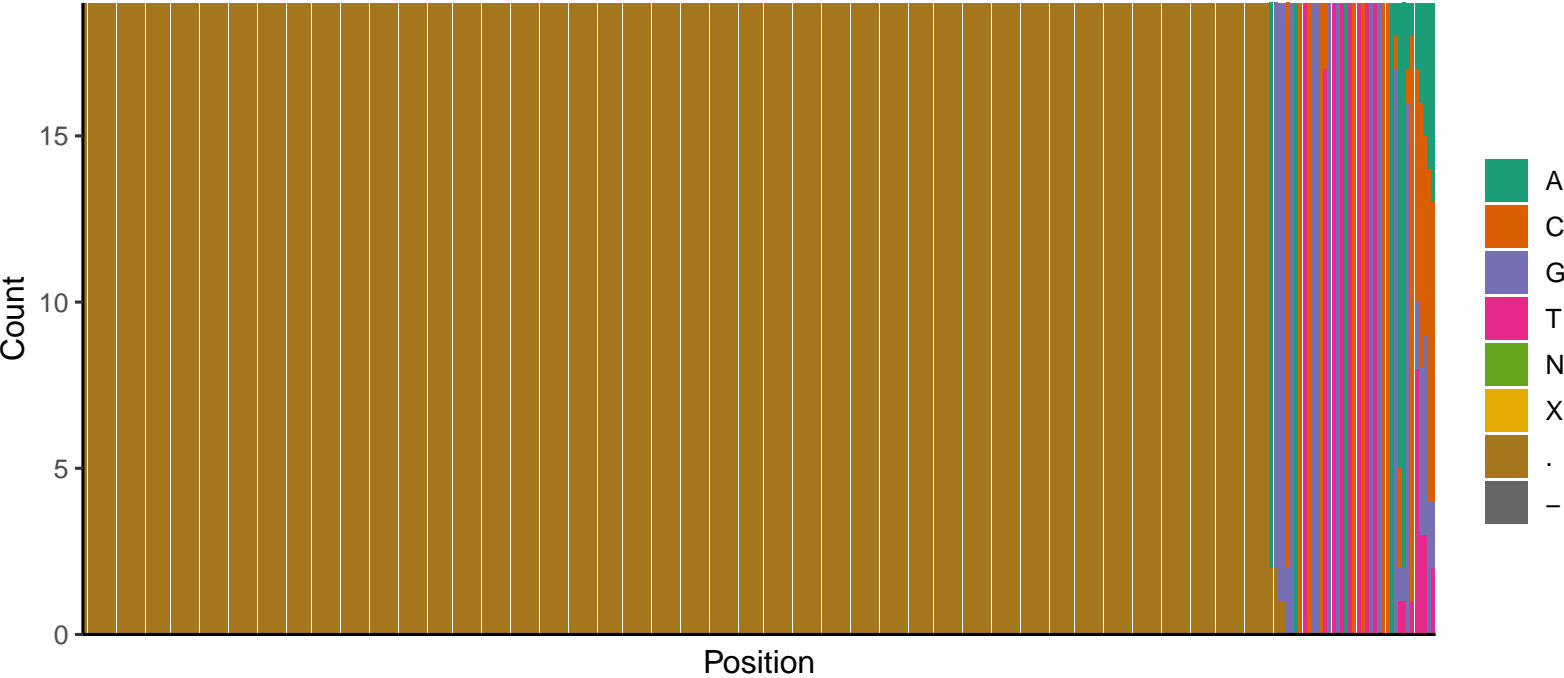
Gene TRBV7-1*ap01_T296C



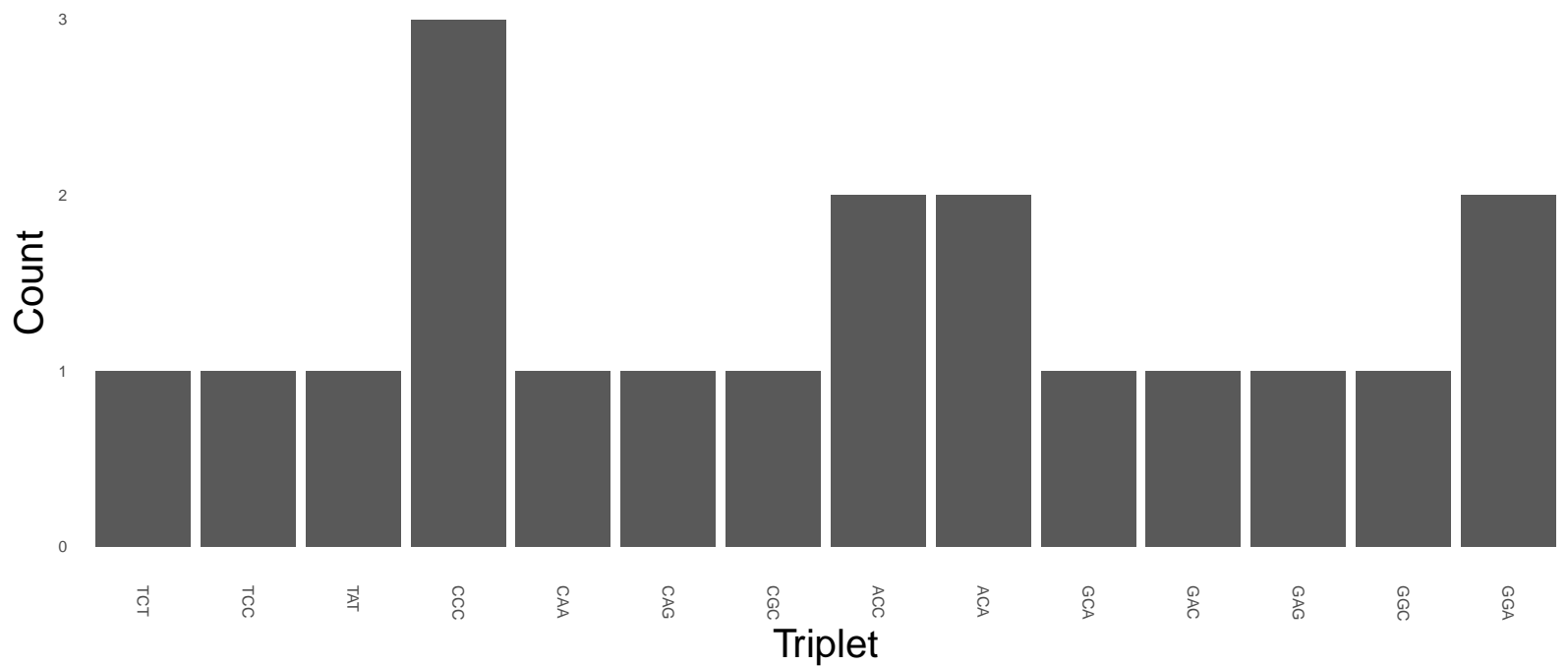
Gene TRBV7-7*ap01_C315T



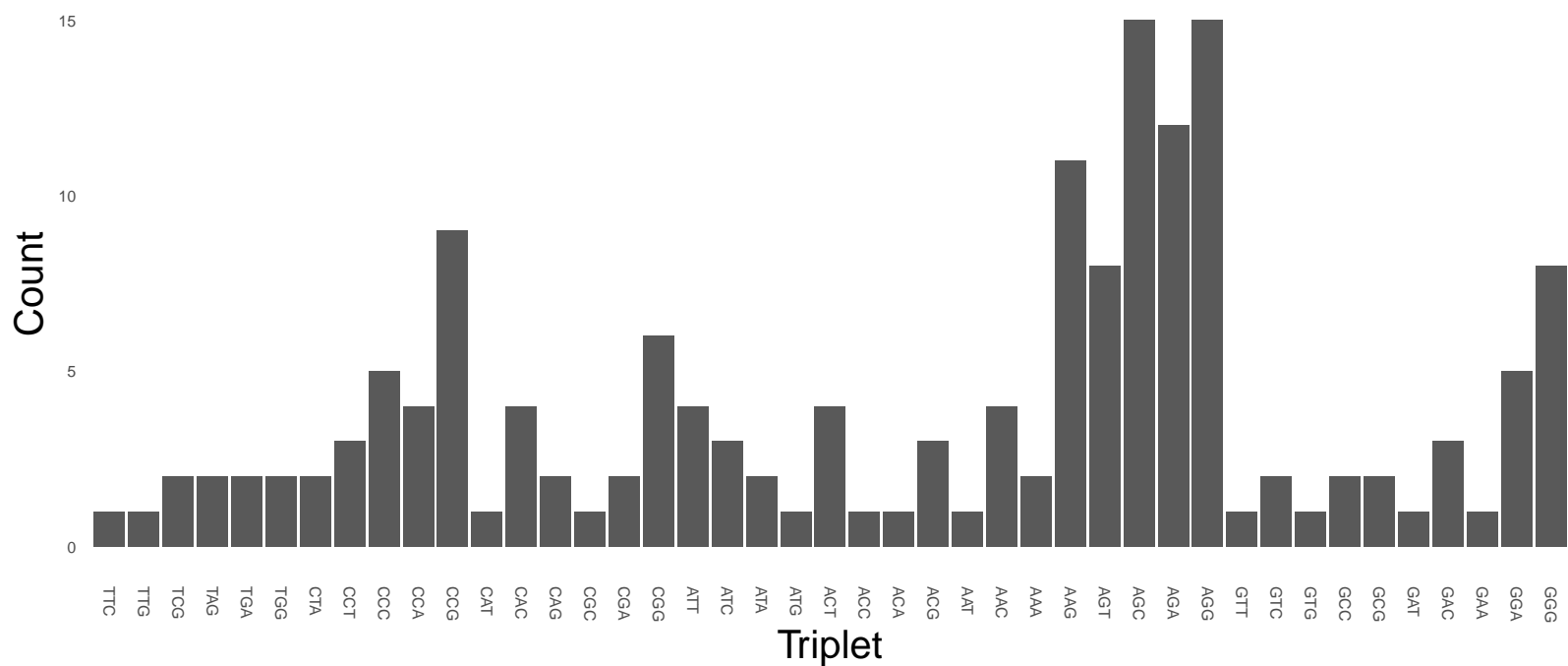
Gene TRBV7-1*ap01_T296C



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

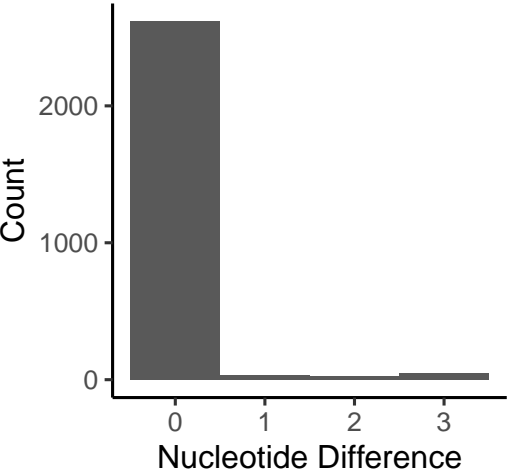


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



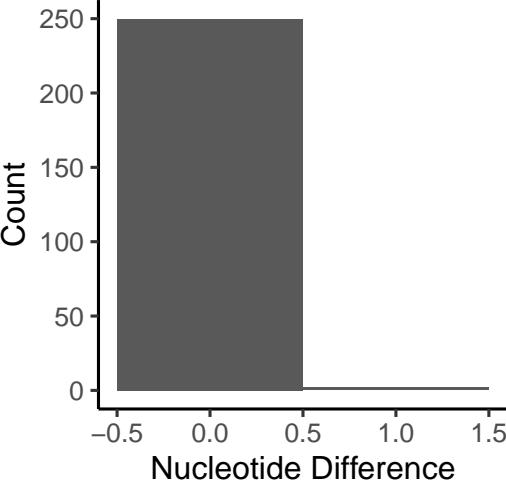
TRBV20-1*ap01

2727 sequences assigned
2617 (96%) exact matches, in which:
2586 unique CDR3
13 unique J



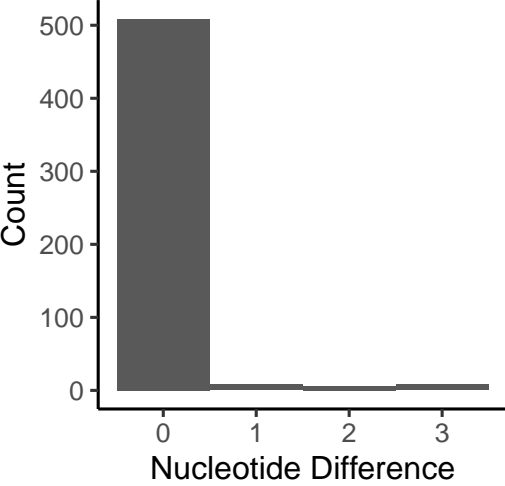
TRBV10-2*ap01

252 sequences assigned
250 (99.2%) exact matches, in which:
244 unique CDR3
13 unique J



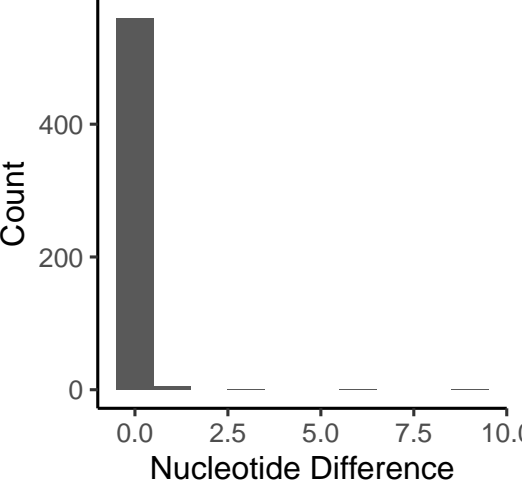
TRBV13*ap01

531 sequences assigned
509 (95.9%) exact matches, in which:
499 unique CDR3
13 unique J



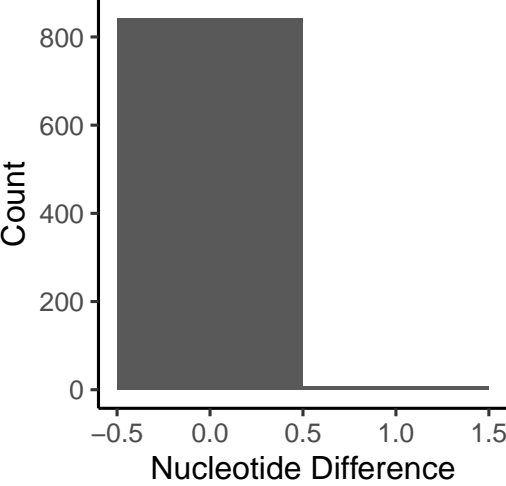
TRBV10-1*ap01

568 sequences assigned
560 (98.6%) exact matches, in which:
555 unique CDR3
13 unique J



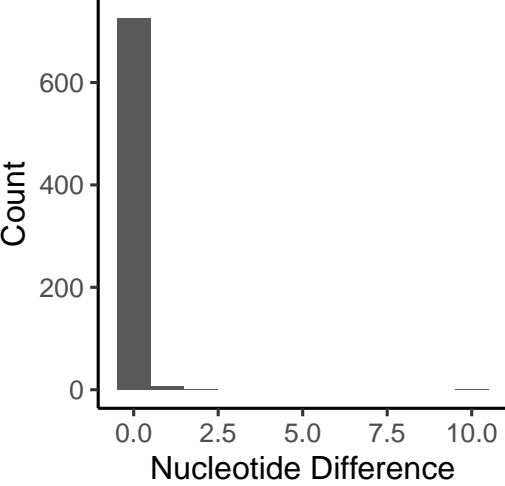
TRBV10-3*ap01

851 sequences assigned
843 (99.1%) exact matches, in which:
836 unique CDR3
13 unique J



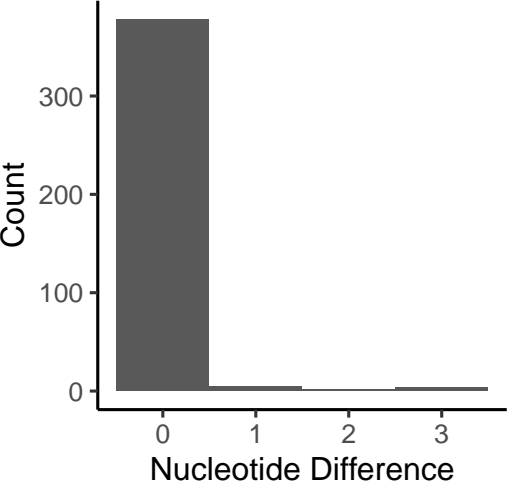
TRBV14*ap01

735 sequences assigned
726 (98.8%) exact matches, in which:
715 unique CDR3
13 unique J



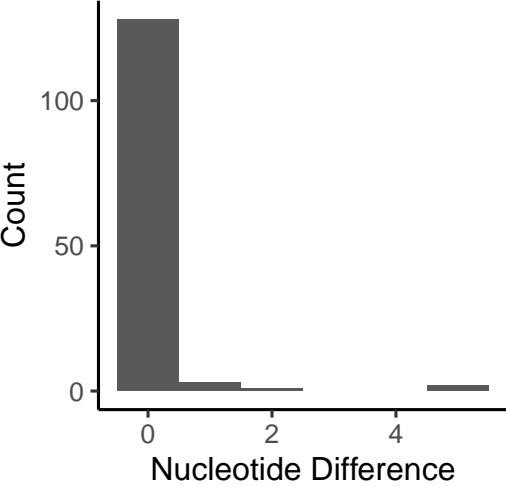
TRBV20-1*ap02

389 sequences assigned
378 (97.2%) exact matches, in which:
366 unique CDR3
13 unique J



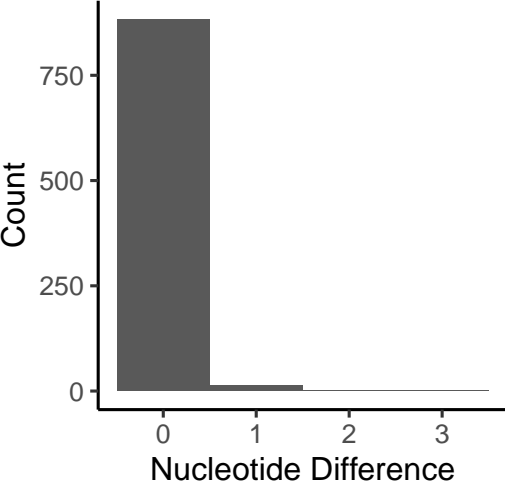
TRBV1*ap01

134 sequences assigned
128 (95.5%) exact matches, in which:
127 unique CDR3
12 unique J



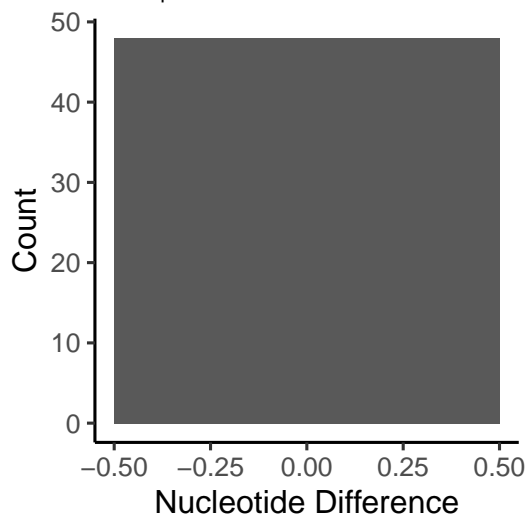
TRBV15*ap02

899 sequences assigned
883 (98.2%) exact matches, in which:
874 unique CDR3
13 unique J



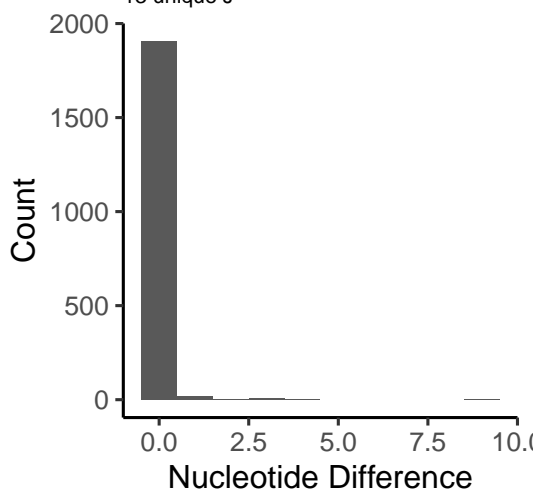
TRBV16*ap01

48 sequences assigned
48 (100%) exact matches, in which:
48 unique CDR3
12 unique J



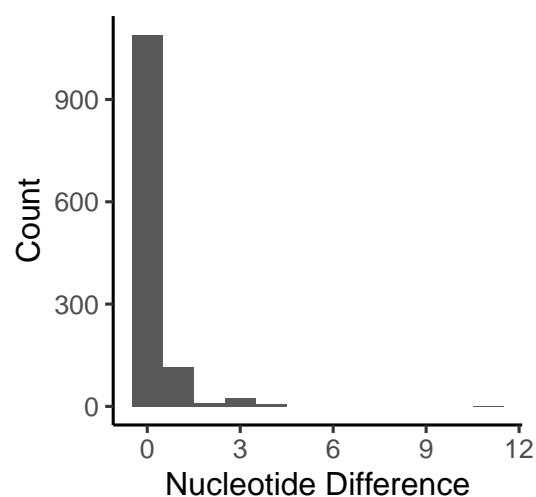
TRBV2*ap01

1935 sequences assigned
1905 (98.4%) exact matches, in which:
1888 unique CDR3
13 unique J



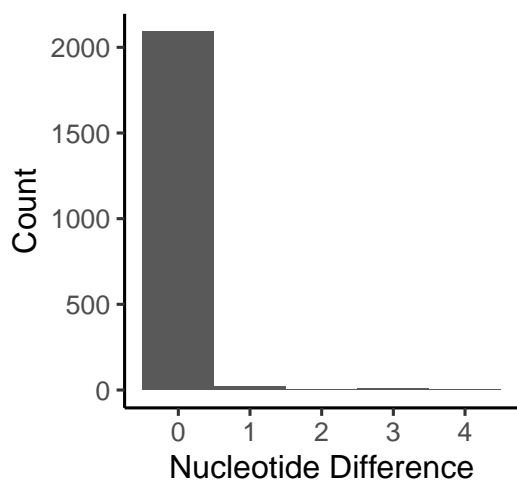
TRBV30*ap01

1250 sequences assigned
1090 (87.2%) exact matches, in which:
1062 unique CDR3
13 unique J



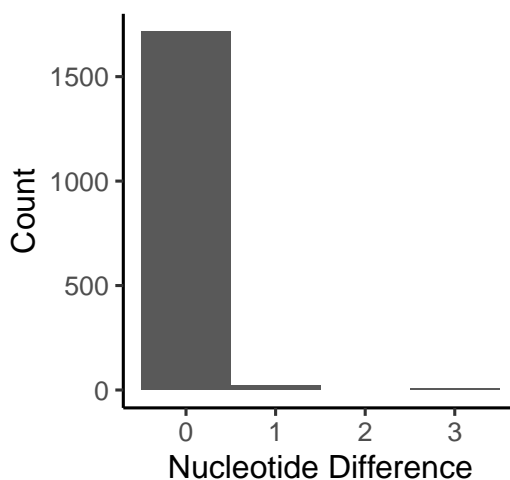
TRBV18*ap01

2124 sequences assigned
2091 (98.4%) exact matches, in which:
2059 unique CDR3
13 unique J



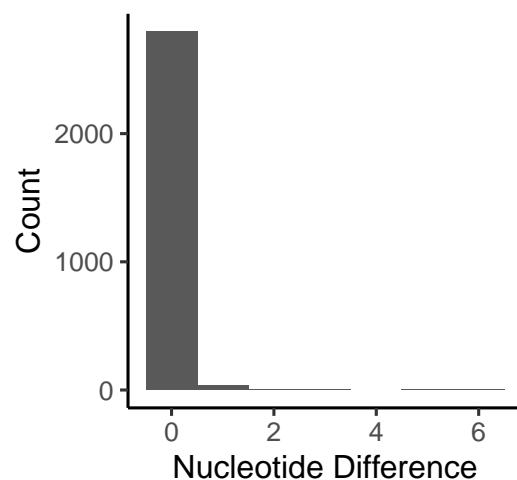
TRBV27*ap01

1743 sequences assigned
1715 (98.4%) exact matches, in which:
1700 unique CDR3
13 unique J



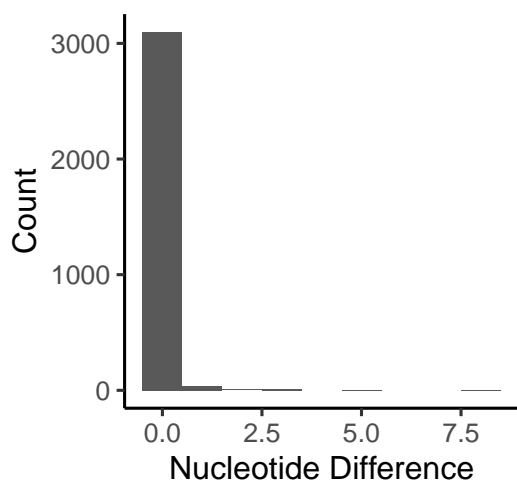
TRBV9*ap01

2840 sequences assigned
2795 (98.4%) exact matches, in which:
2773 unique CDR3
13 unique J



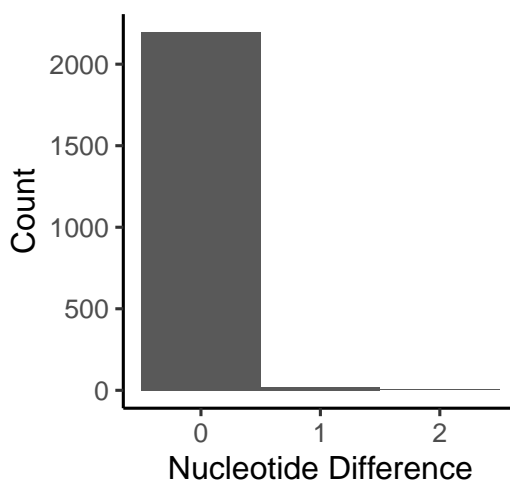
TRBV19*ap01

3157 sequences assigned
3098 (98.1%) exact matches, in which:
3059 unique CDR3
13 unique J



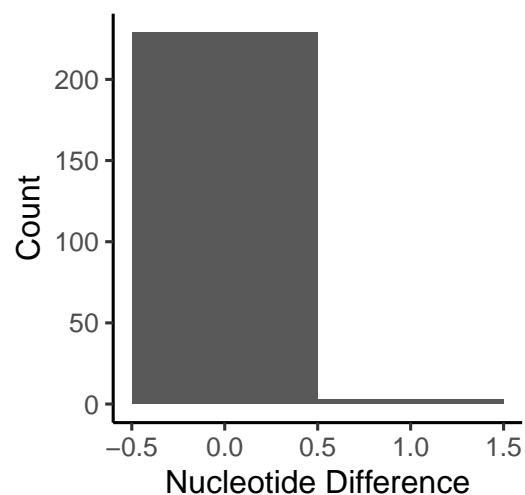
TRBV28*ap01

2221 sequences assigned
2197 (98.9%) exact matches, in which:
2169 unique CDR3
13 unique J



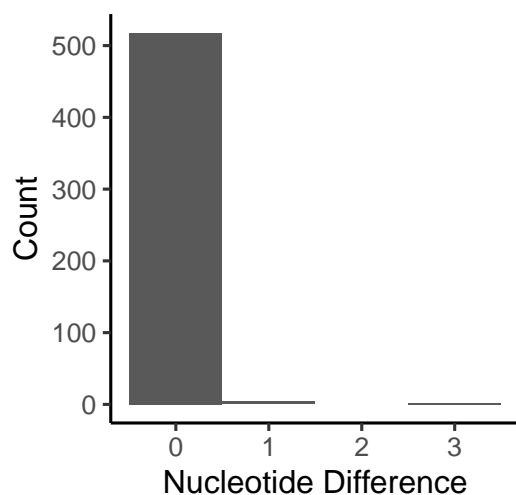
TRBV11-1*ap01

232 sequences assigned
229 (98.7%) exact matches, in which:
225 unique CDR3
13 unique J



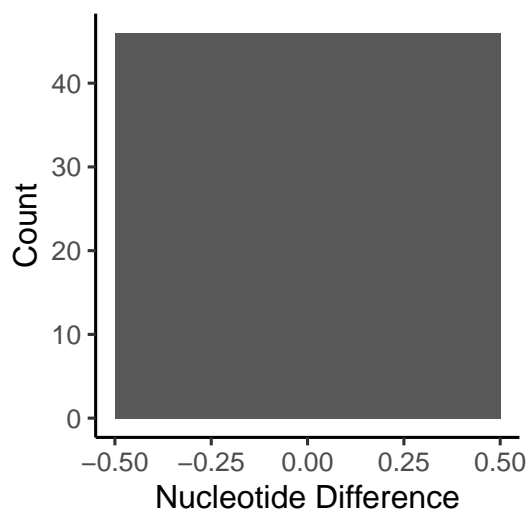
TRBV21-1*ap01

524 sequences assigned
518 (98.9%) exact matches, in which:
516 unique CDR3
13 unique J



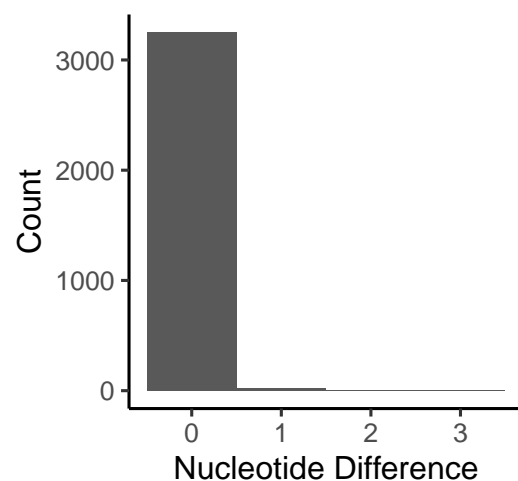
TRBV12-1*ap01

46 sequences assigned
46 (100%) exact matches, in which:
46 unique CDR3
12 unique J



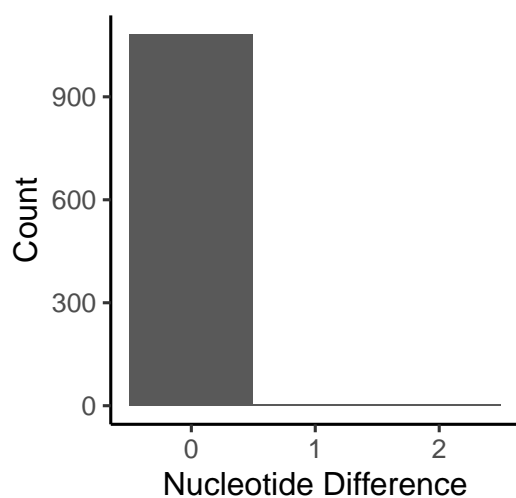
TRBV12-34*ap01

3286 sequences assigned
3250 (98.9%) exact matches, in which:
3210 unique CDR3
13 unique J



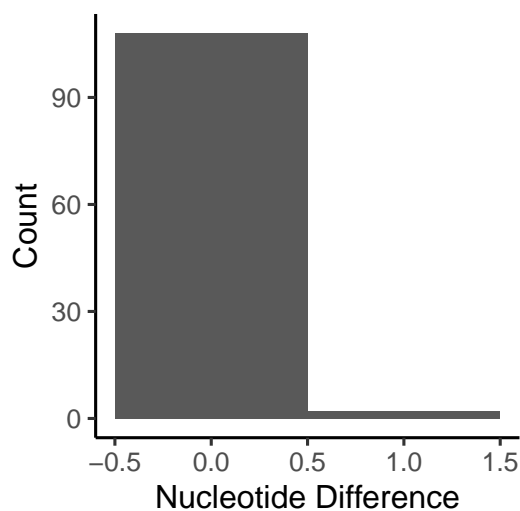
TRBV11-2*ap01

1091 sequences assigned
1083 (99.3%) exact matches, in which:
1070 unique CDR3
13 unique J



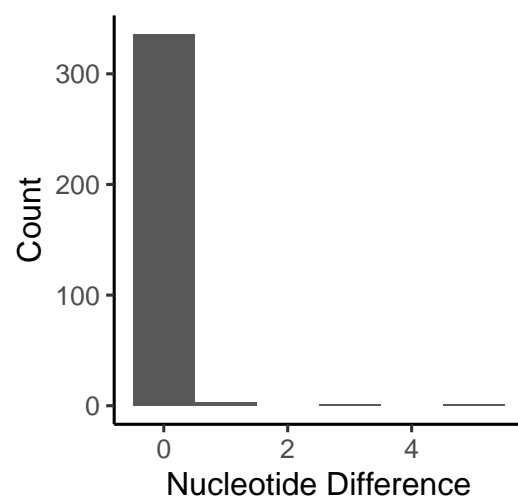
TRBV12-2*ap01

110 sequences assigned
108 (98.2%) exact matches, in which:
108 unique CDR3
13 unique J



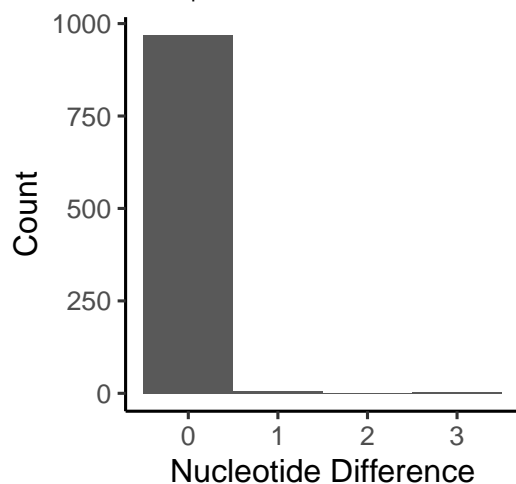
TRBV23-1*ap01

341 sequences assigned
336 (98.5%) exact matches, in which:
333 unique CDR3
13 unique J



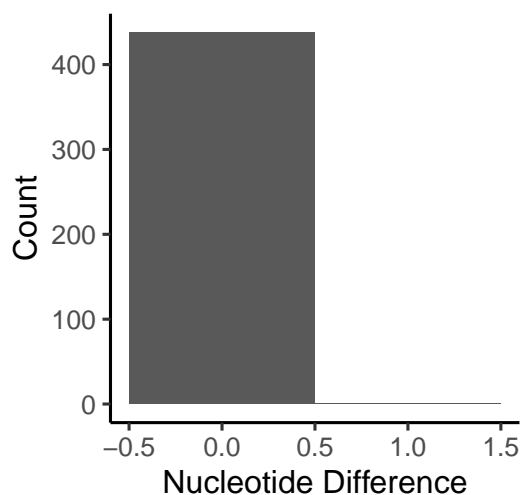
TRBV11-3*ap01

980 sequences assigned
969 (98.9%) exact matches, in which:
959 unique CDR3
13 unique J



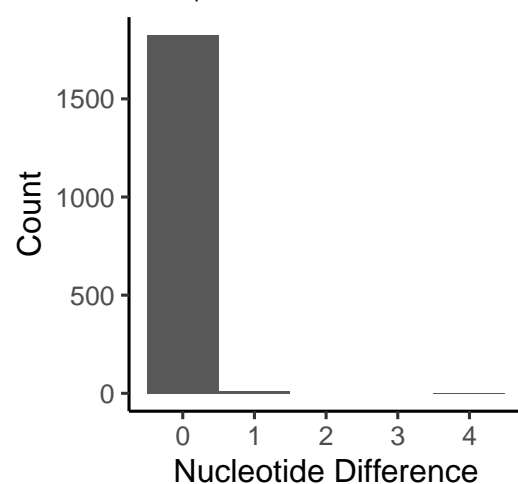
TRBV12-5*ap01

439 sequences assigned
438 (99.8%) exact matches, in which:
433 unique CDR3
13 unique J



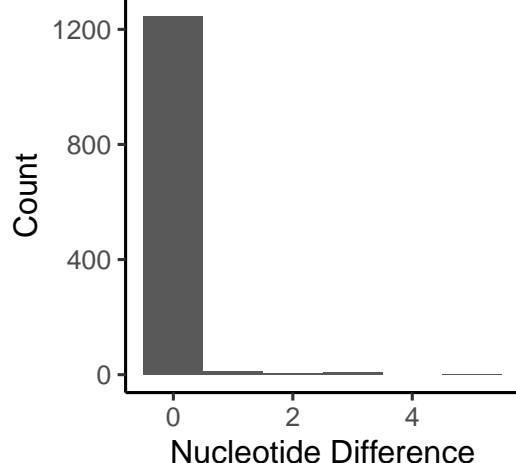
TRBV3-12*ap01

1839 sequences assigned
1825 (99.2%) exact matches, in which:
1804 unique CDR3
13 unique J



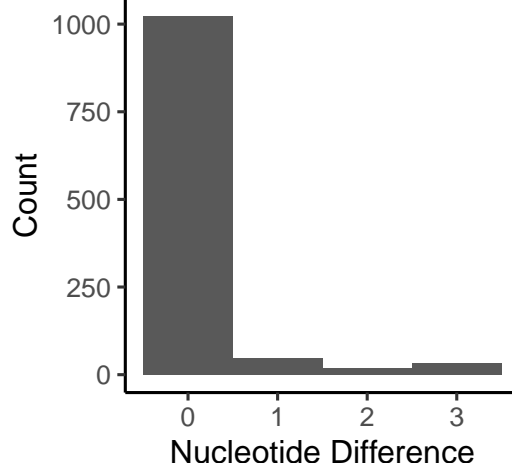
TRBV24-1*ap01

1275 sequences assigned
1245 (97.6%) exact matches, in which:
1233 unique CDR3
13 unique J



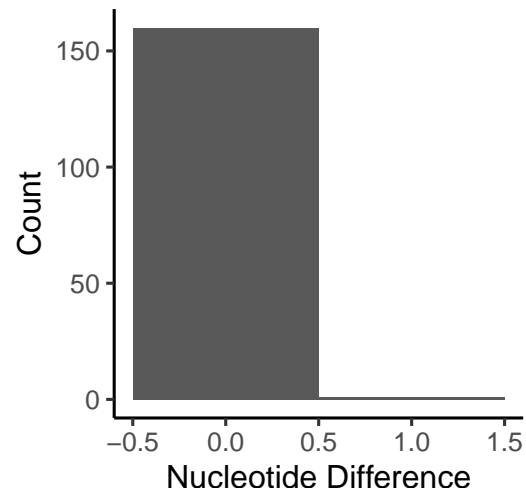
TRBV4-3*ap01

1119 sequences assigned
1022 (91.3%) exact matches, in which:
1000 unique CDR3
13 unique J



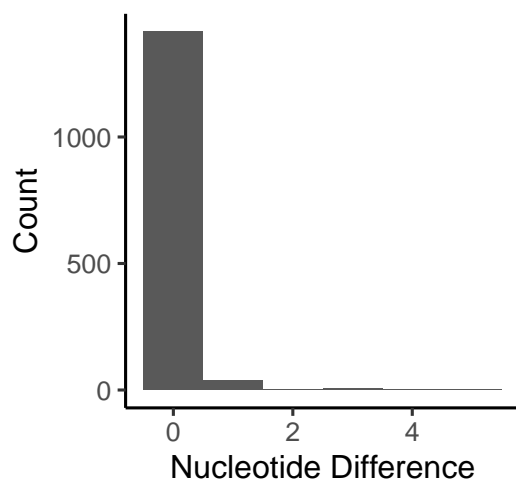
TRBV5-3*ap01

161 sequences assigned
160 (99.4%) exact matches, in which:
158 unique CDR3
13 unique J



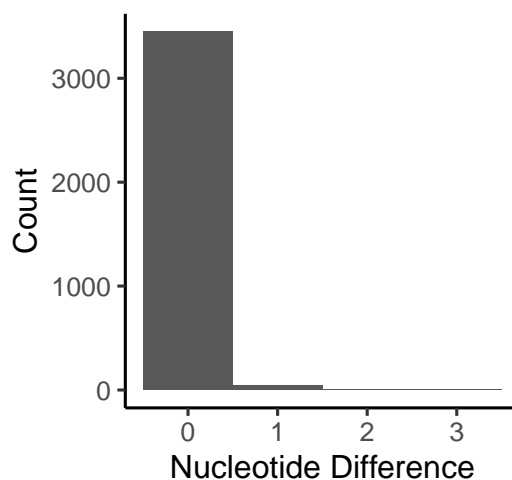
TRBV4-1*ap01

1464 sequences assigned
1416 (96.7%) exact matches, in which:
1401 unique CDR3
13 unique J



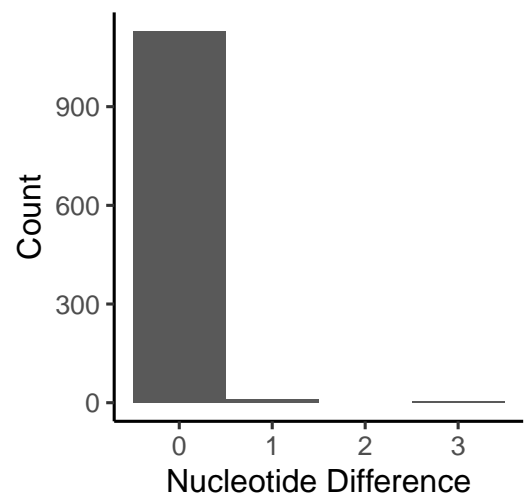
TRBV5-1*ap01

3499 sequences assigned
3448 (98.5%) exact matches, in which:
3392 unique CDR3
13 unique J



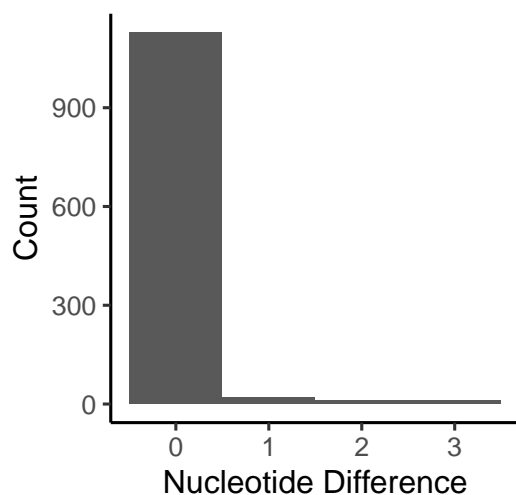
TRBV5-4*ap01

1145 sequences assigned
1130 (98.7%) exact matches, in which:
1123 unique CDR3
13 unique J



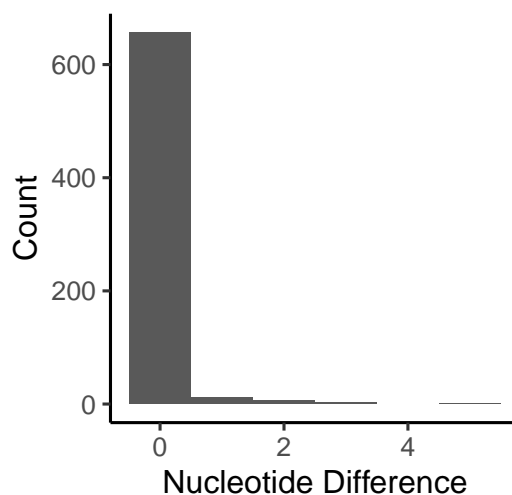
TRBV4-2*ap01

1171 sequences assigned
1129 (96.4%) exact matches, in which:
1112 unique CDR3
13 unique J



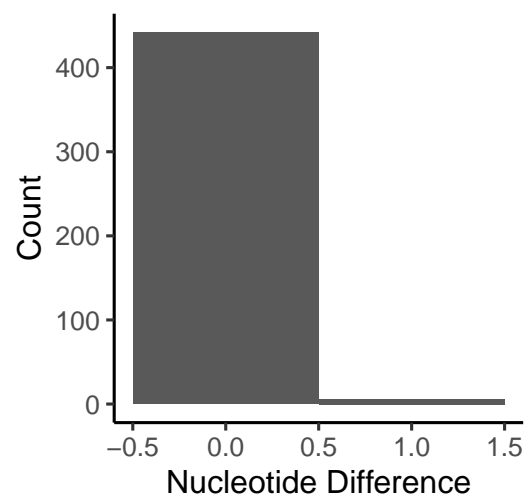
TRBV25-1*ap01

679 sequences assigned
657 (96.8%) exact matches, in which:
655 unique CDR3
13 unique J



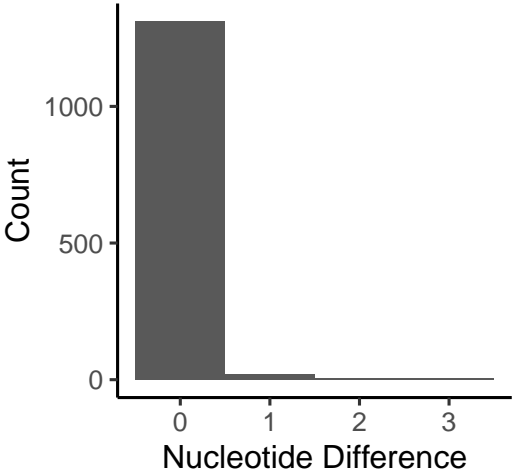
TRBV5-5*ap01

448 sequences assigned
442 (98.7%) exact matches, in which:
436 unique CDR3
13 unique J



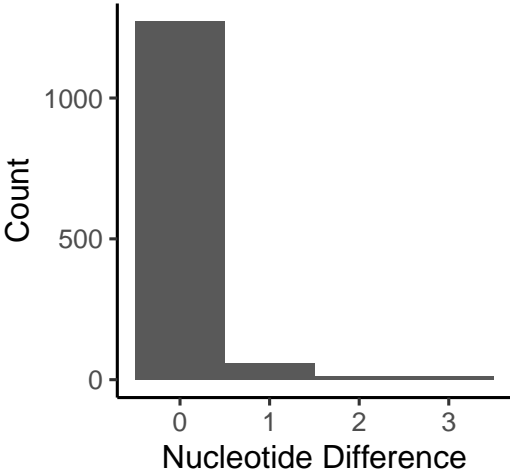
TRBV5-6*ap01

1342 sequences assigned
1311 (97.7%) exact matches, in which:
1290 unique CDR3
13 unique J



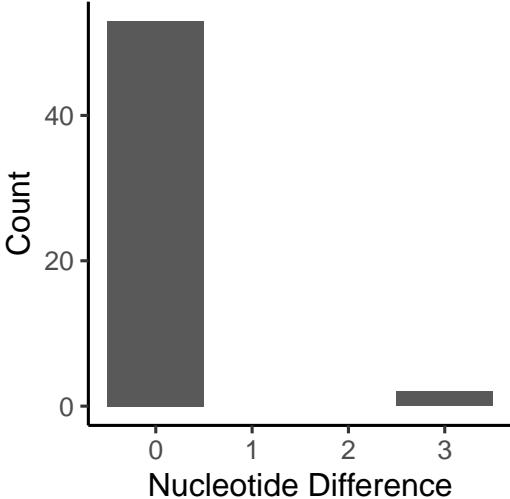
TRBV6-1*ap01

1355 sequences assigned
1272 (93.9%) exact matches, in which:
1247 unique CDR3
13 unique J



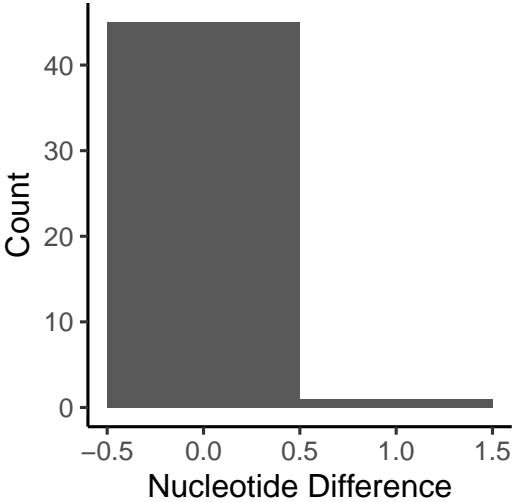
TRBV6-8*ap01

55 sequences assigned
53 (96.4%) exact matches, in which:
51 unique CDR3
11 unique J



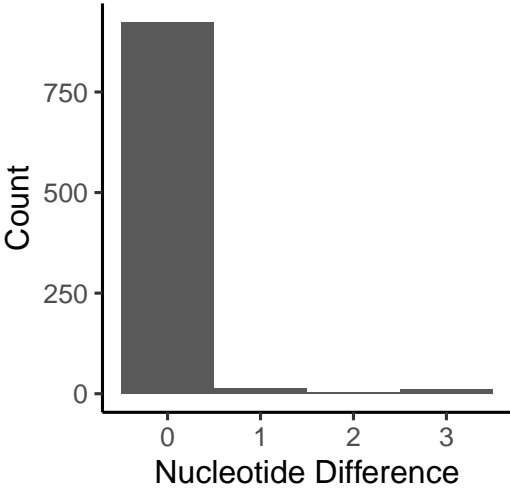
TRBV5-7*ap01

46 sequences assigned
45 (97.8%) exact matches, in which:
43 unique CDR3
11 unique J



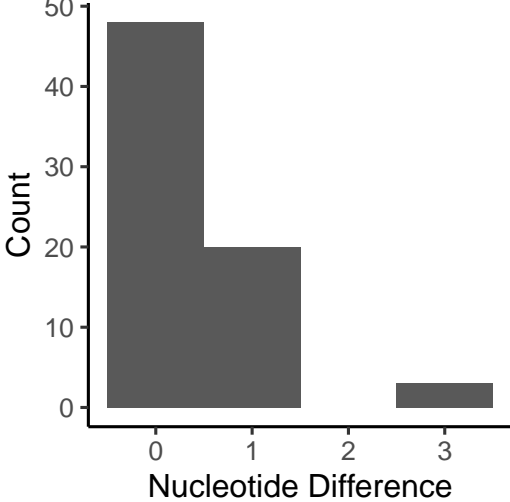
TRBV6-4*ap01

953 sequences assigned
924 (97%) exact matches, in which:
915 unique CDR3
13 unique J



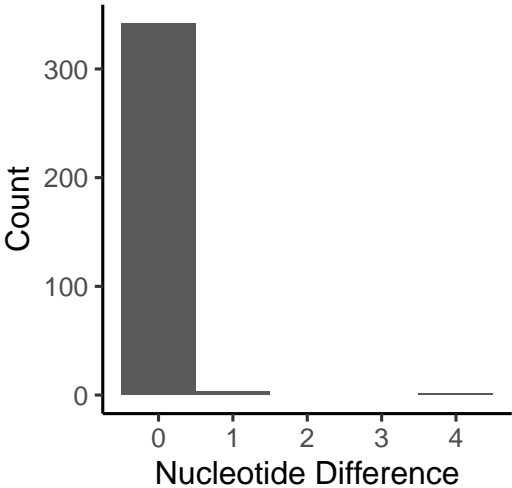
TRBV6-9*ap01

71 sequences assigned
48 (67.6%) exact matches, in which:
47 unique CDR3
12 unique J



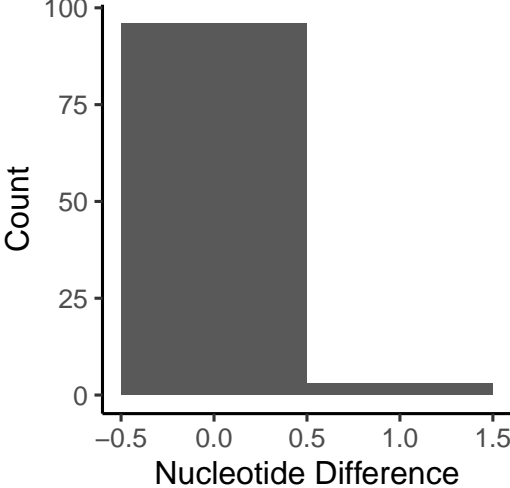
TRBV5-8*ap01

346 sequences assigned
342 (98.8%) exact matches, in which:
339 unique CDR3
13 unique J



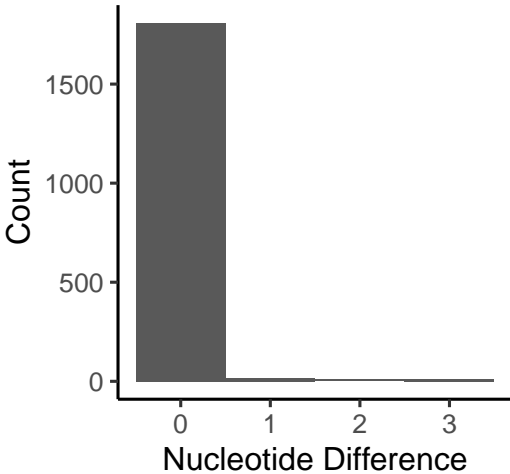
TRBV6-7*ap01

99 sequences assigned
96 (97%) exact matches, in which:
95 unique CDR3
13 unique J



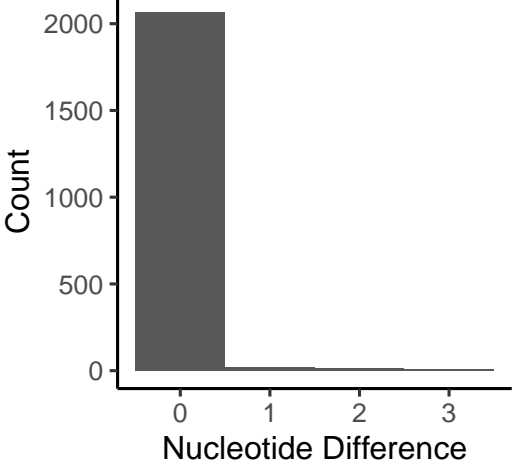
TRBV6-23*ap01

1846 sequences assigned
1808 (97.9%) exact matches, in which:
1776 unique CDR3
13 unique J



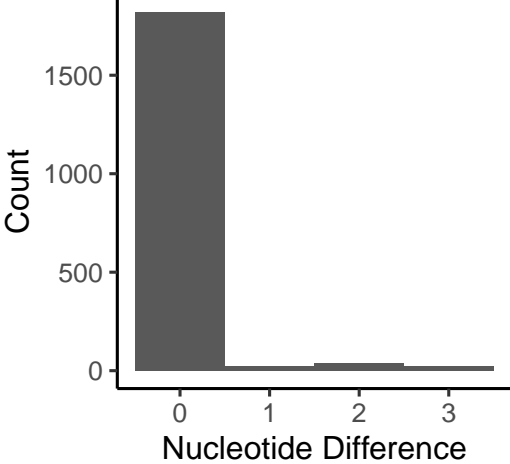
TRBV6-56*ap01

2105 sequences assigned
2065 (98.1%) exact matches, in which:
2024 unique CDR3
13 unique J



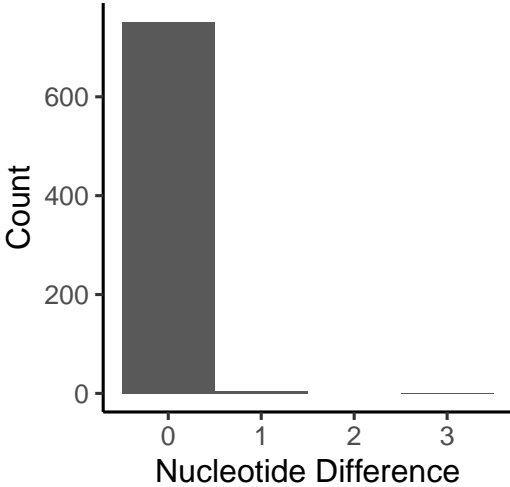
TRBV7-2*ap01

1903 sequences assigned
1819 (95.6%) exact matches, in which:
1804 unique CDR3
13 unique J



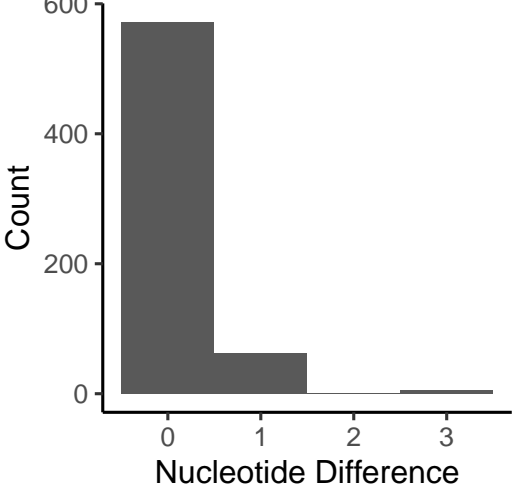
TRBV7-6*ap01

758 sequences assigned
752 (99.2%) exact matches, in which:
743 unique CDR3
13 unique J



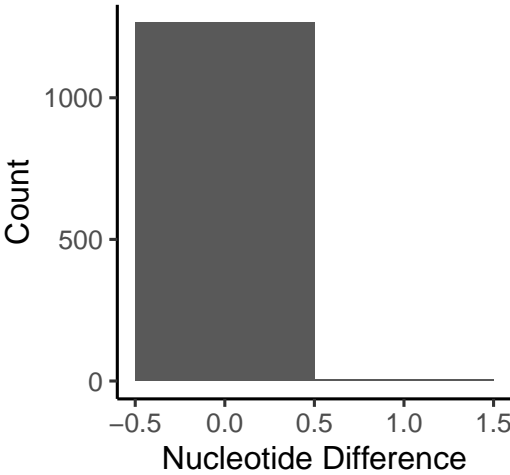
TRBV6-56*ap02

641 sequences assigned
572 (89.2%) exact matches, in which:
560 unique CDR3
13 unique J



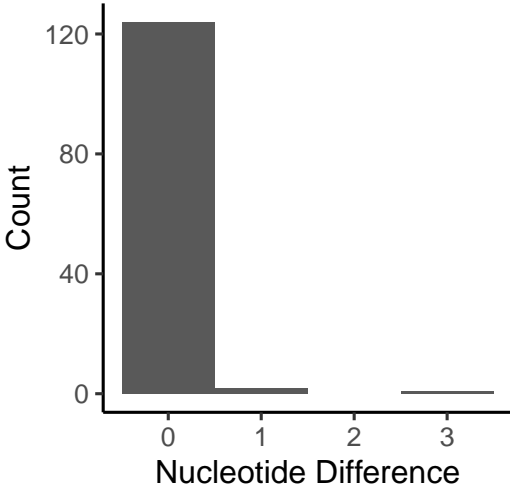
TRBV7-3*ap01

1270 sequences assigned
1265 (99.6%) exact matches, in which:
1254 unique CDR3
13 unique J



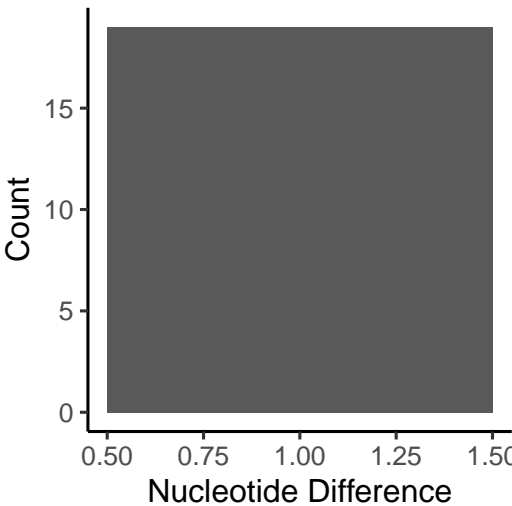
TRBV7-7*ap01

127 sequences assigned
124 (97.6%) exact matches, in which:
122 unique CDR3
11 unique J



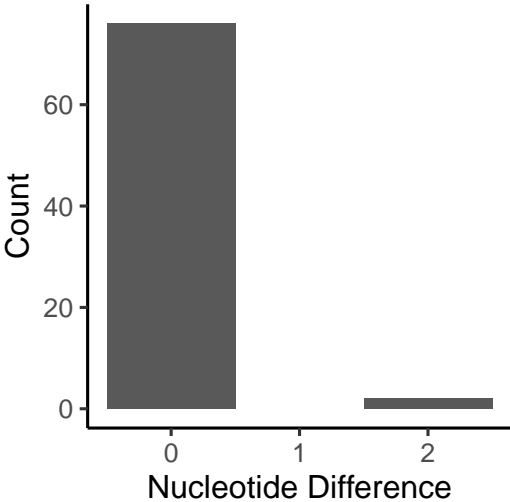
TRBV7-1*ap01_T296C

19 sequences assigned
No exact matches.



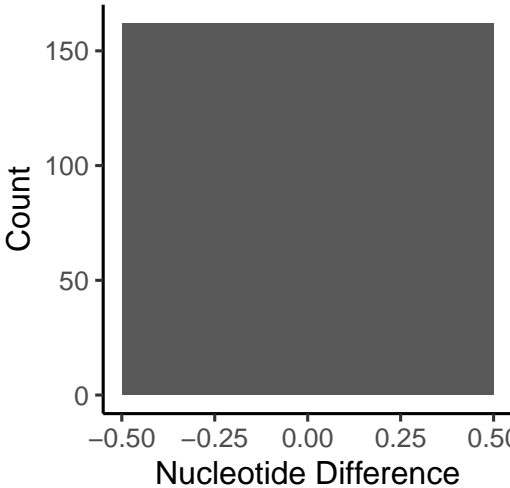
TRBV7-4*ap01

78 sequences assigned
76 (97.4%) exact matches, in which:
76 unique CDR3
13 unique J



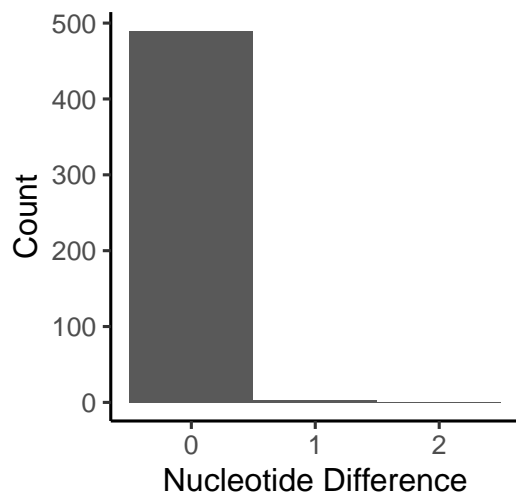
TRBV7-7*ap01_C315T

162 sequences assigned
162 (100%) exact matches, in which:
162 unique CDR3
12 unique J



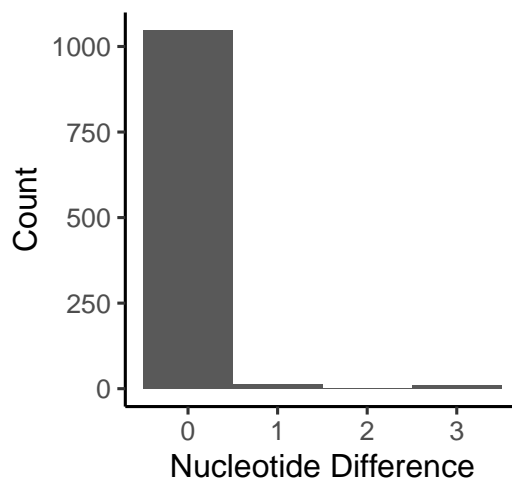
TRBV7-8*ap01

494 sequences assigned
490 (99.2%) exact matches, in which:
483 unique CDR3
13 unique J



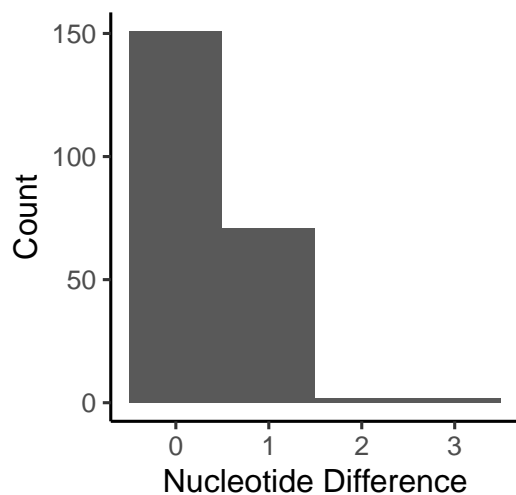
TRBV29-1*ap01

1072 sequences assigned
1047 (97.7%) exact matches, in which:
1023 unique CDR3
13 unique J



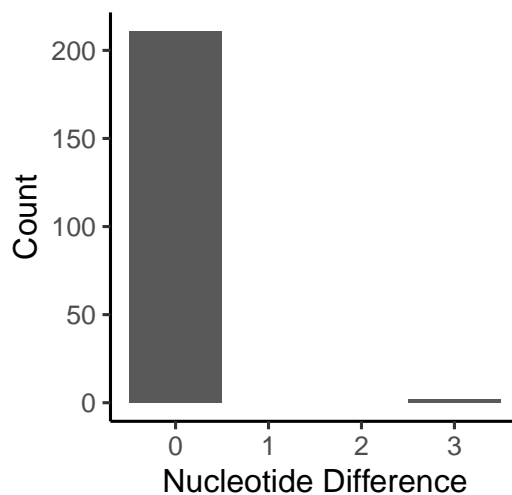
TRBV7-8*ap03

226 sequences assigned
151 (66.8%) exact matches, in which:
150 unique CDR3
12 unique J



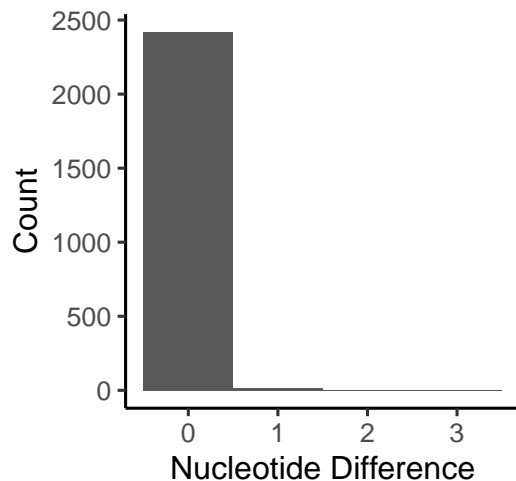
TRBV29-1*ap02

213 sequences assigned
211 (99.1%) exact matches, in which:
207 unique CDR3
13 unique J

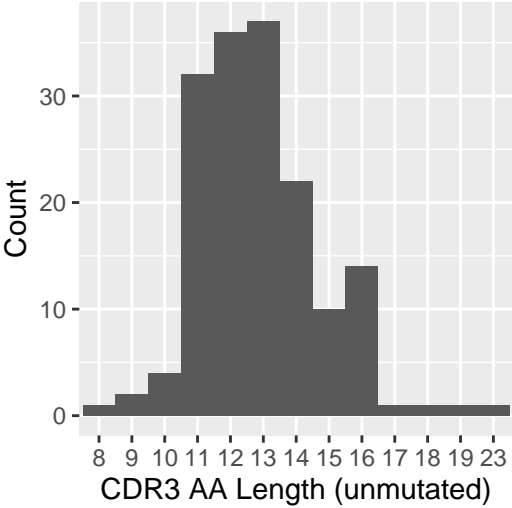


TRBV7-9*ap01

2441 sequences assigned
2419 (99.1%) exact matches, in which:
2390 unique CDR3
13 unique J



TRBV7-7*ap01_C315T





[illegible]