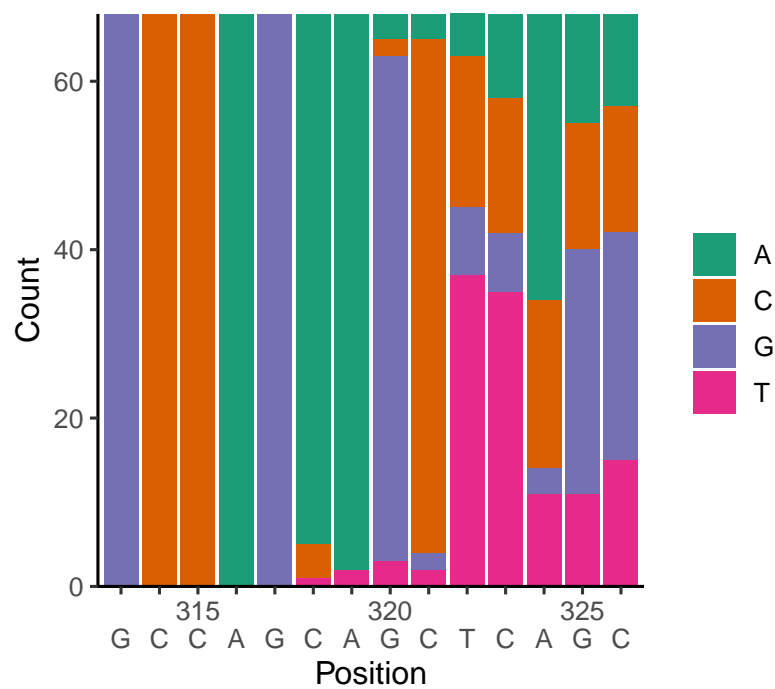
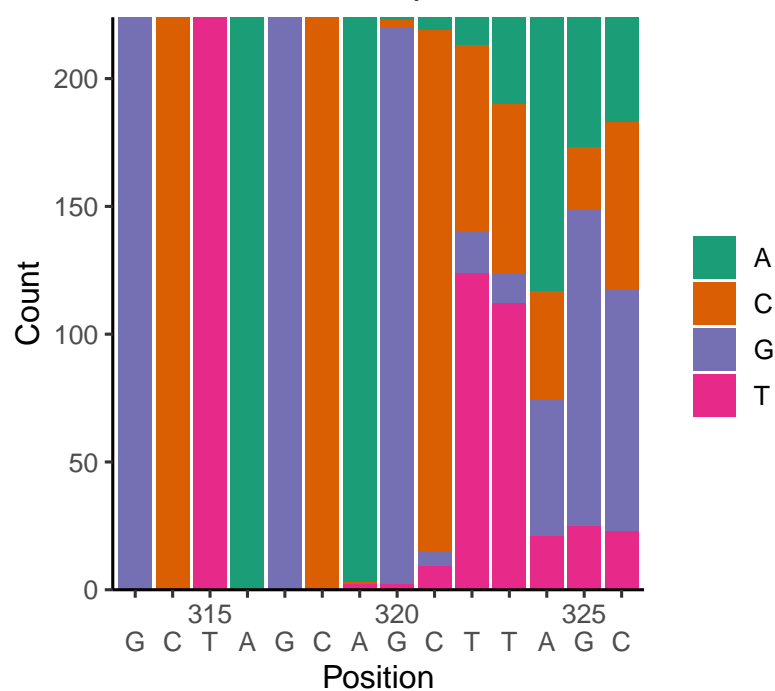


Gene TRBV7-1*ap01_G291C_T296C



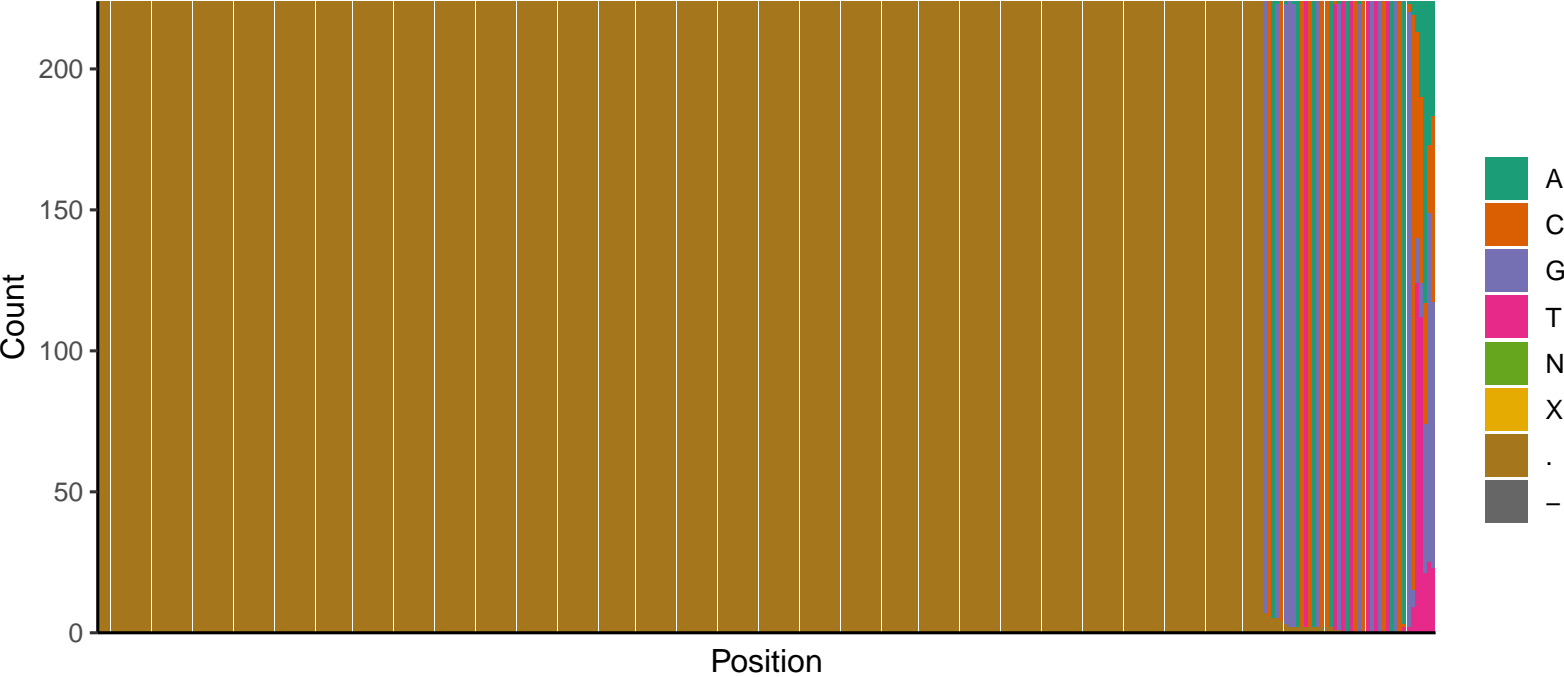
Gene TRBV7-7*ap01_C315T



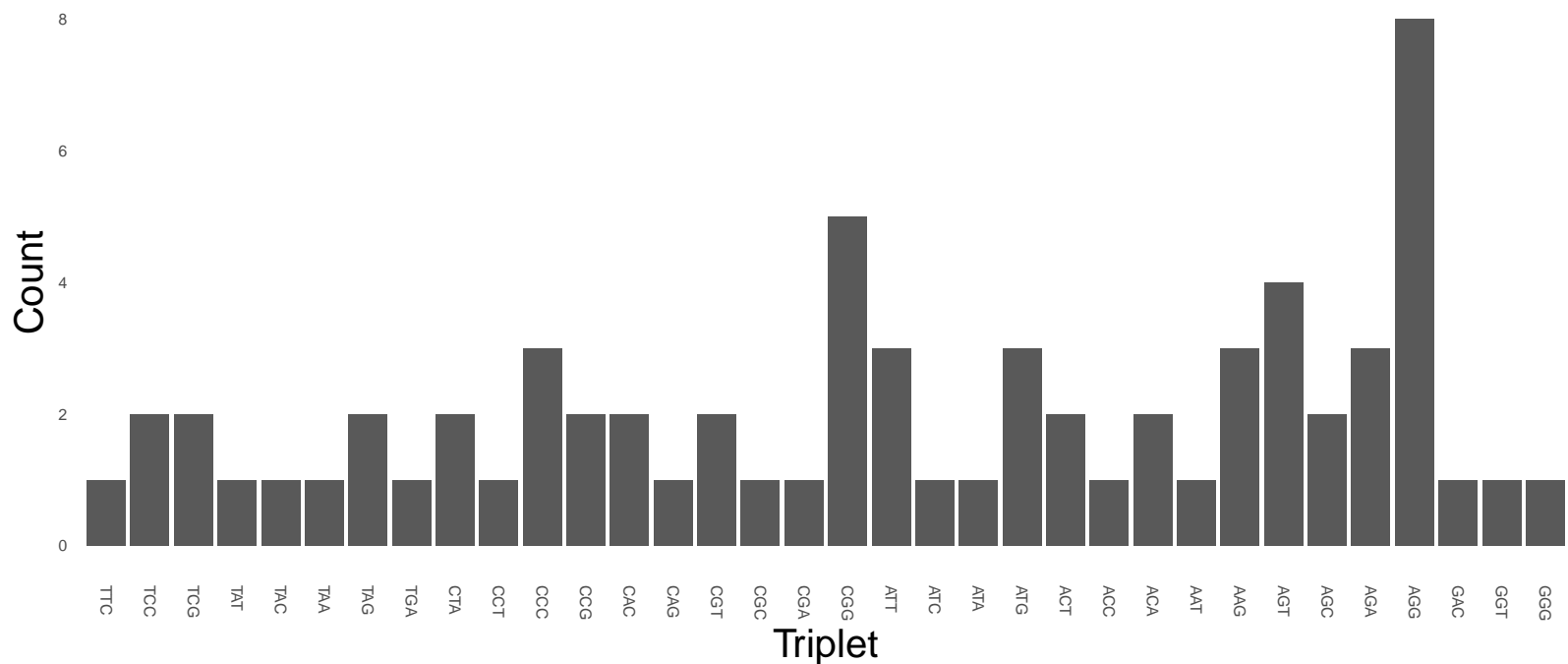
Gene TRBV7-1*ap01_G291C_T296C



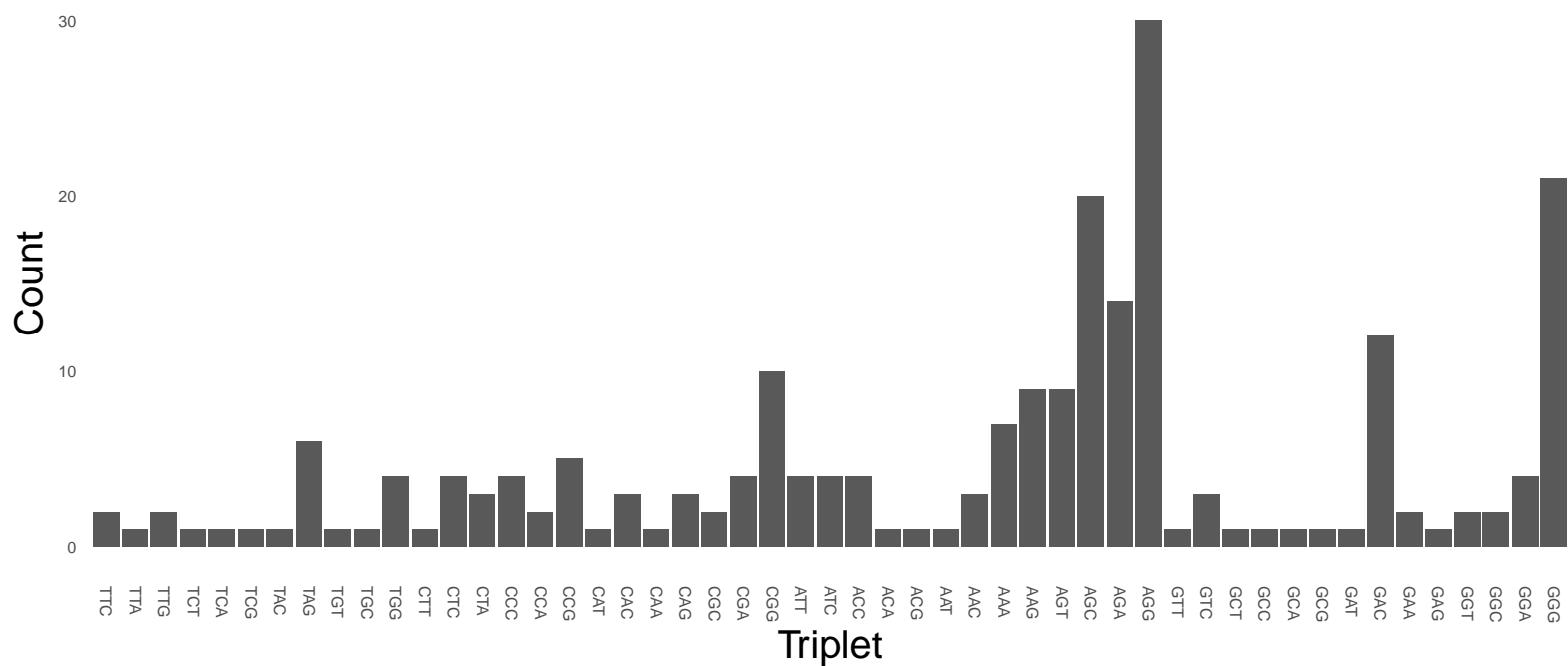
Gene TRBV7-7*ap01_C315T



TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet

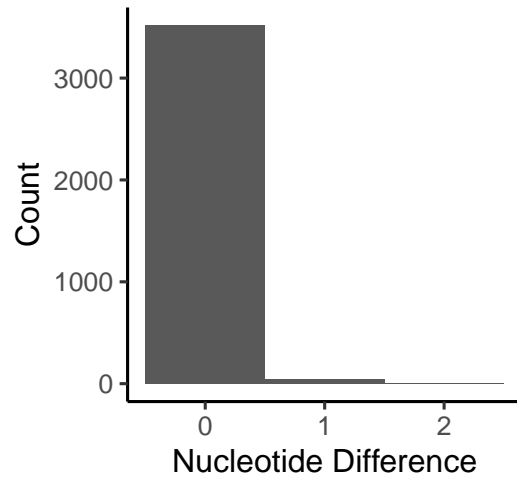


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



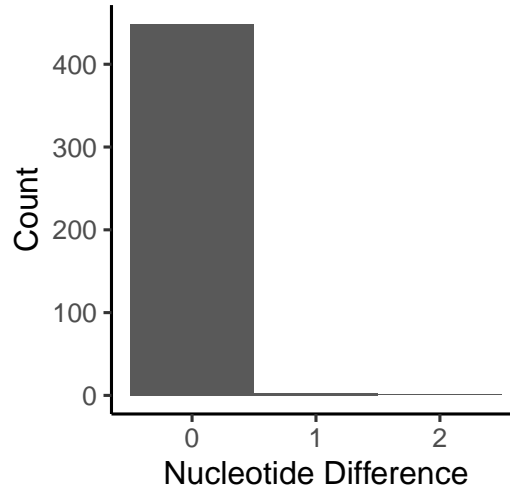
TRBV20-1*ap01

3566 sequences assigned
3517 (98.6%) exact matches, in which:
3481 unique CDR3
13 unique J



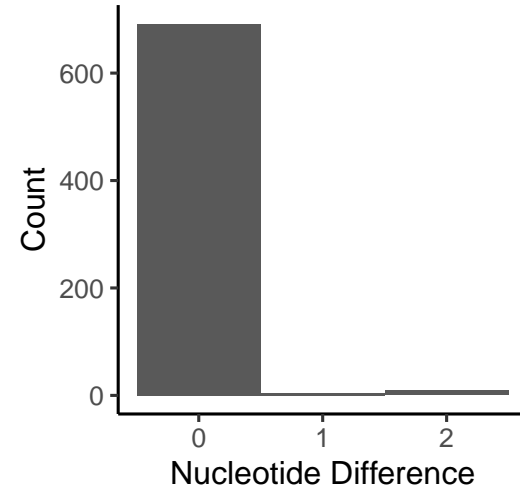
TRBV10-2*ap01

453 sequences assigned
449 (99.1%) exact matches, in which:
446 unique CDR3
13 unique J



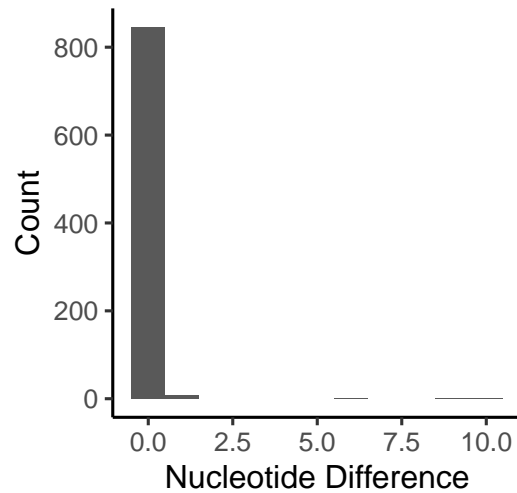
TRBV13*ap01

705 sequences assigned
692 (98.2%) exact matches, in which:
683 unique CDR3
13 unique J



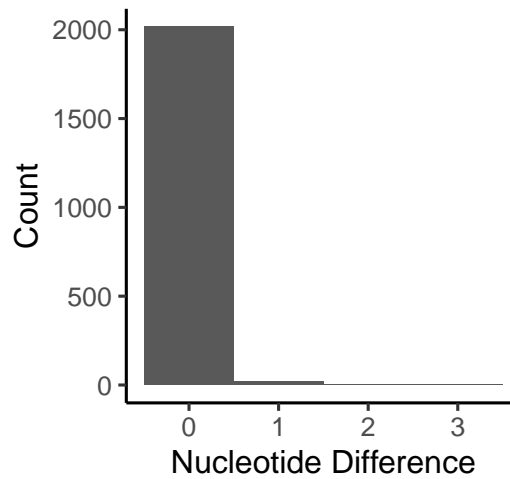
TRBV10-1*ap01

858 sequences assigned
846 (98.6%) exact matches, in which:
842 unique CDR3
13 unique J



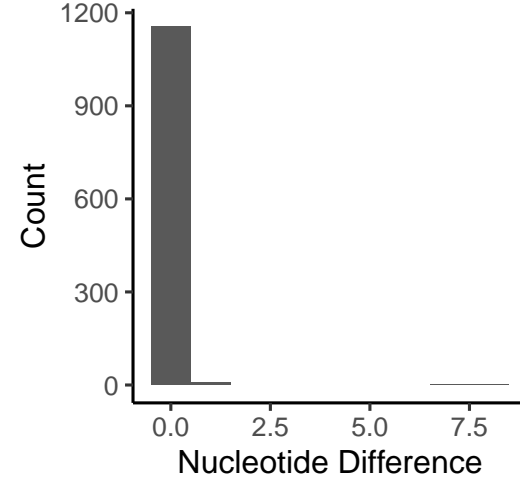
TRBV10-3*ap01

2039 sequences assigned
2017 (98.9%) exact matches, in which:
1992 unique CDR3
13 unique J



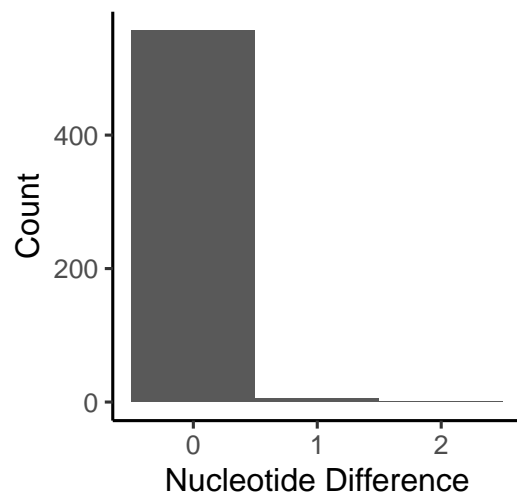
TRBV14*ap01

1164 sequences assigned
1155 (99.2%) exact matches, in which:
1146 unique CDR3
13 unique J



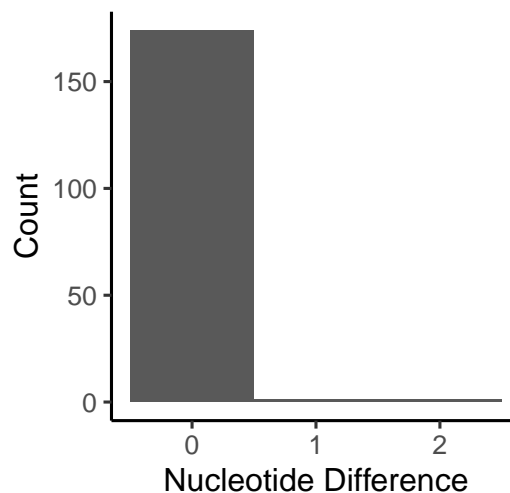
TRBV20-1*ap02

564 sequences assigned
557 (98.8%) exact matches, in which:
550 unique CDR3
13 unique J



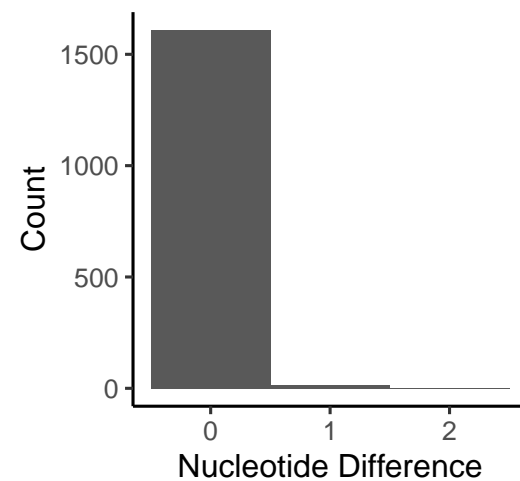
TRBV1*ap01

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



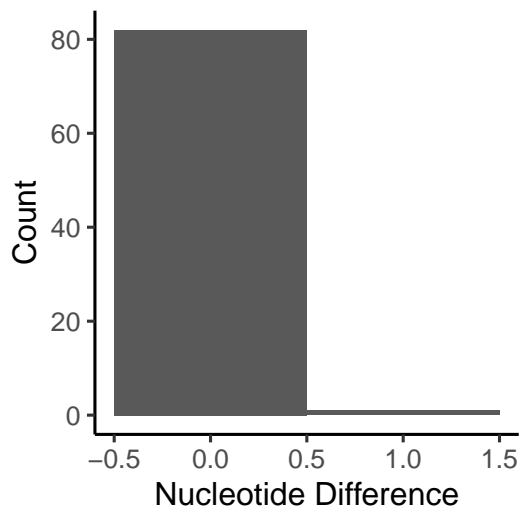
TRBV15*ap02

1626 sequences assigned
1609 (99%) exact matches, in which:
1592 unique CDR3
13 unique J



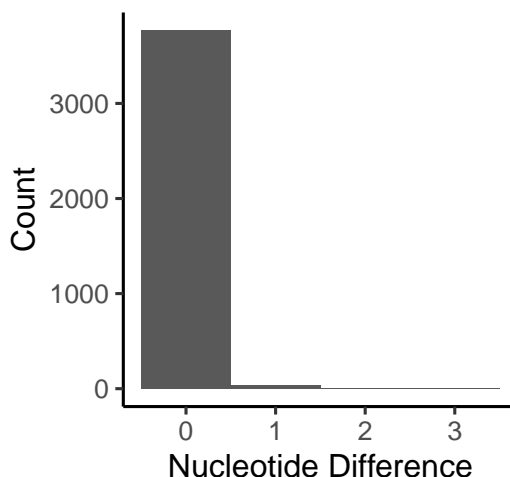
TRBV16*ap01

83 sequences assigned
82 (98.8%) exact matches, in which:
82 unique CDR3
12 unique J



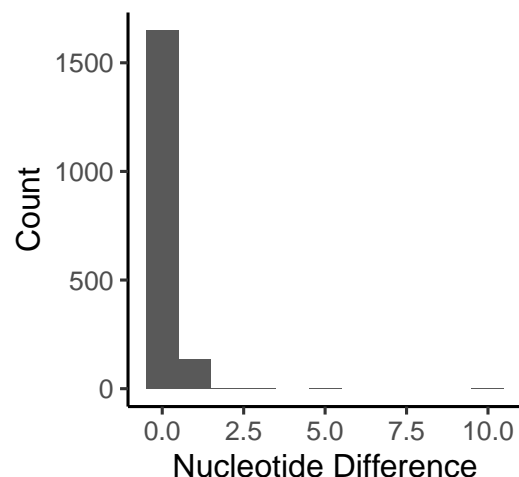
TRBV2*ap01

3807 sequences assigned
3768 (99%) exact matches, in which:
3754 unique CDR3
13 unique J



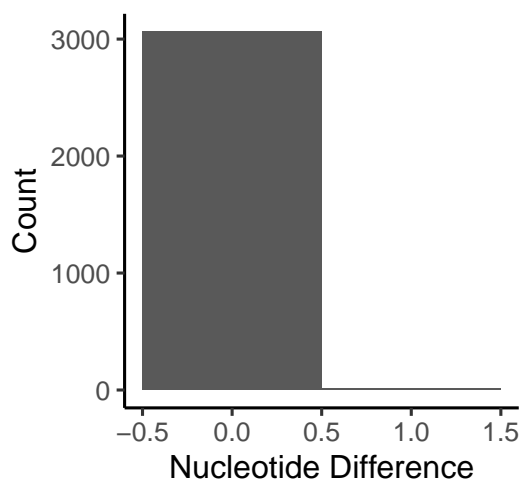
TRBV30*ap01

1789 sequences assigned
1649 (92.2%) exact matches, in which:
1641 unique CDR3
13 unique J



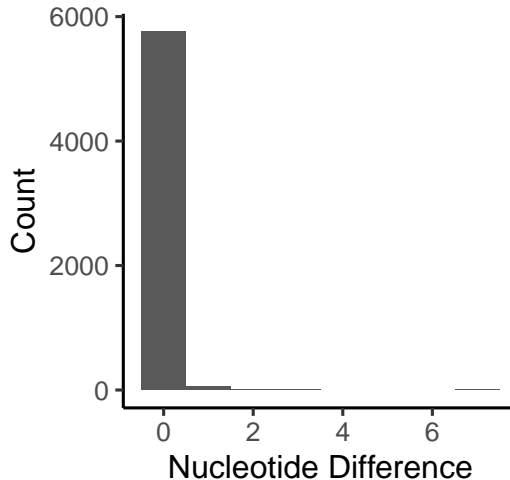
TRBV18*ap01

3078 sequences assigned
3063 (99.5%) exact matches, in which:
3043 unique CDR3
13 unique J



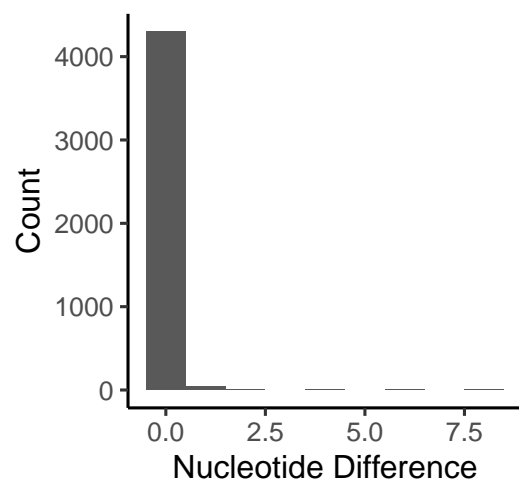
TRBV27*ap01

5822 sequences assigned
5757 (98.9%) exact matches, in which:
5712 unique CDR3
13 unique J



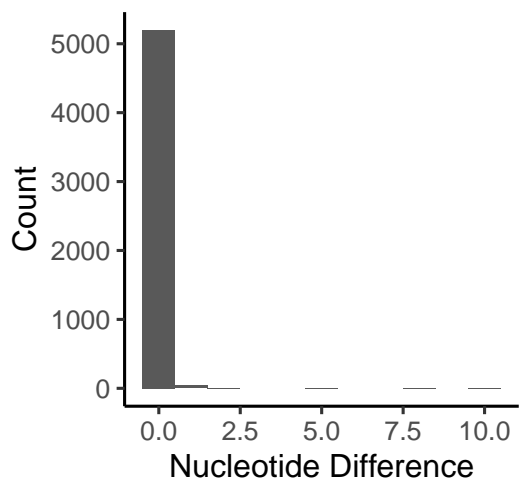
TRBV9*ap01

4343 sequences assigned
4299 (99%) exact matches, in which:
4250 unique CDR3
13 unique J



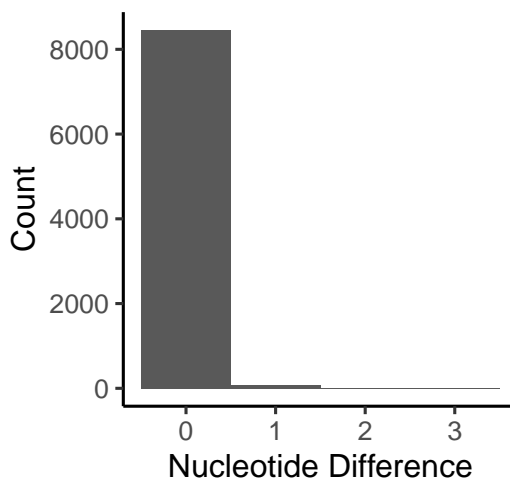
TRBV19*ap01

5244 sequences assigned
5199 (99.1%) exact matches, in which:
5170 unique CDR3
13 unique J



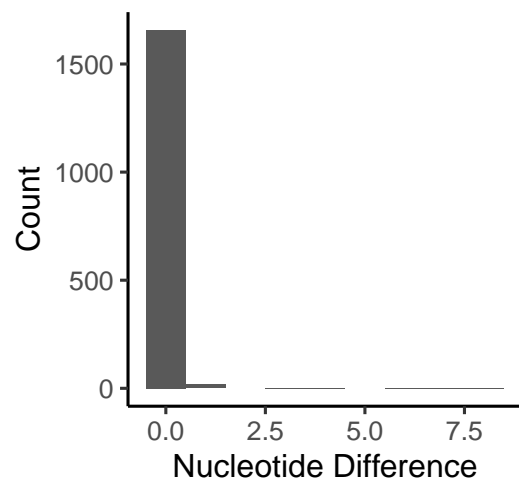
TRBV28*ap01

8544 sequences assigned
8455 (99%) exact matches, in which:
8379 unique CDR3
13 unique J



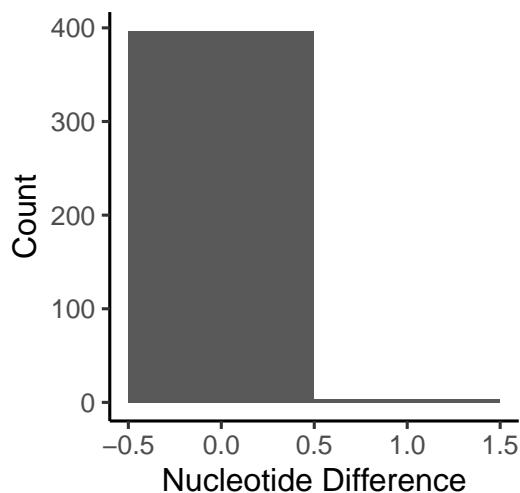
TRBV21-1*ap01

1683 sequences assigned
1657 (98.5%) exact matches, in which:
1643 unique CDR3
13 unique J



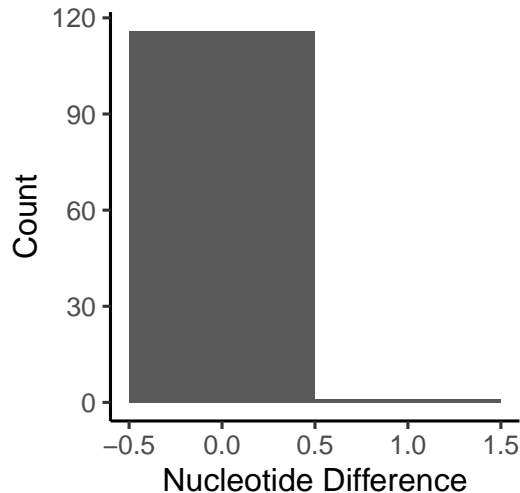
TRBV11-1*ap01

401 sequences assigned
397 (99%) exact matches, in which:
389 unique CDR3
13 unique J



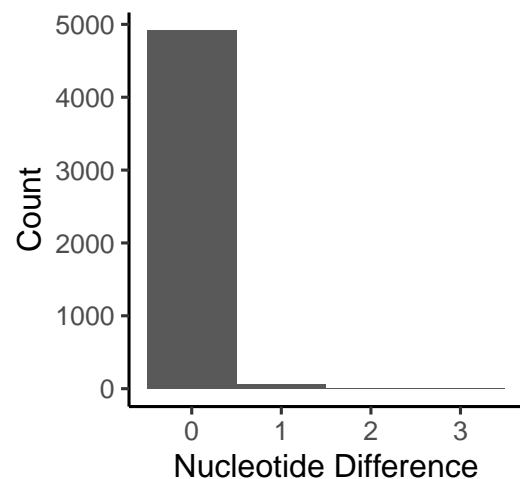
TRBV12-1*ap01

117 sequences assigned
116 (99.1%) exact matches, in which:
116 unique CDR3
12 unique J



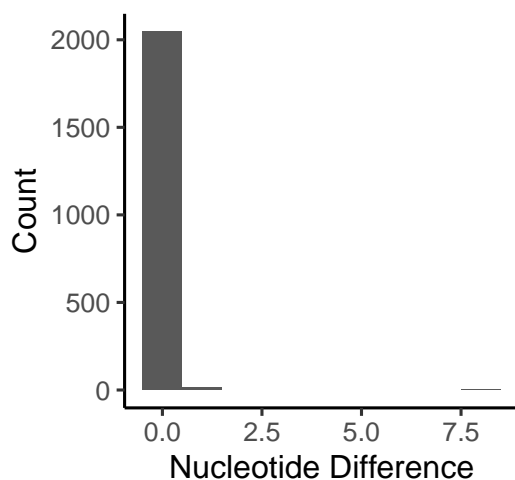
TRBV12-34*ap01

4982 sequences assigned
4917 (98.7%) exact matches, in which:
4873 unique CDR3
13 unique J



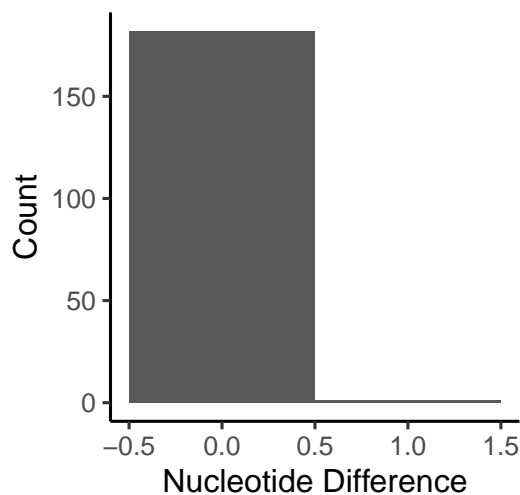
TRBV11-2*ap01

2060 sequences assigned
2046 (99.3%) exact matches, in which:
2025 unique CDR3
13 unique J



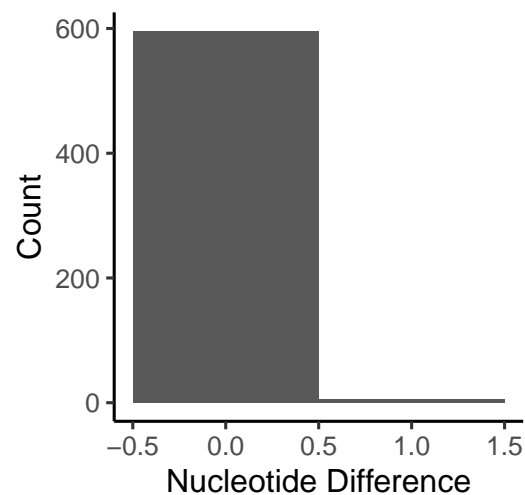
TRBV12-2*ap01

183 sequences assigned
182 (99.5%) exact matches, in which:
179 unique CDR3
13 unique J



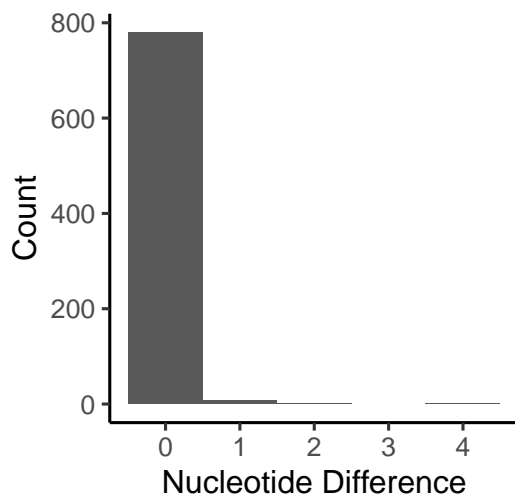
TRBV23-1*ap01

601 sequences assigned
596 (99.2%) exact matches, in which:
591 unique CDR3
13 unique J



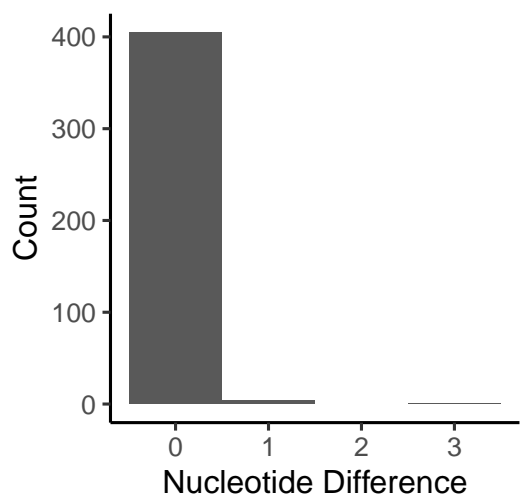
TRBV11-3*ap01

790 sequences assigned
780 (98.7%) exact matches, in which:
776 unique CDR3
13 unique J



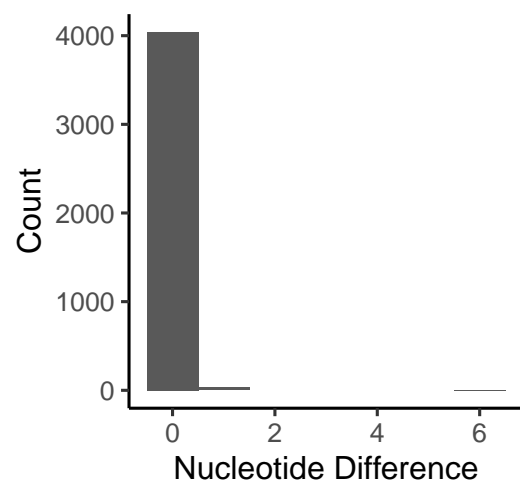
TRBV12-5*ap01

410 sequences assigned
405 (98.8%) exact matches, in which:
401 unique CDR3
12 unique J



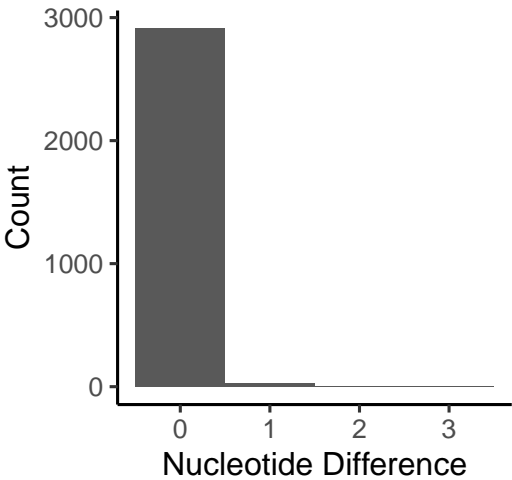
TRBV3-12*ap01

4074 sequences assigned
4041 (99.2%) exact matches, in which:
4018 unique CDR3
13 unique J



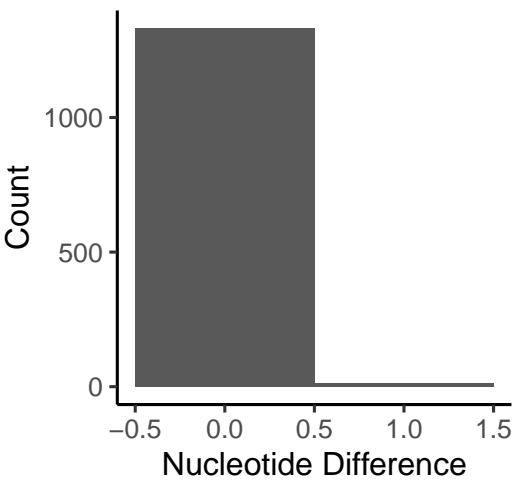
TRBV4-1*ap01

2948 sequences assigned
2912 (98.8%) exact matches, in which:
2889 unique CDR3
13 unique J



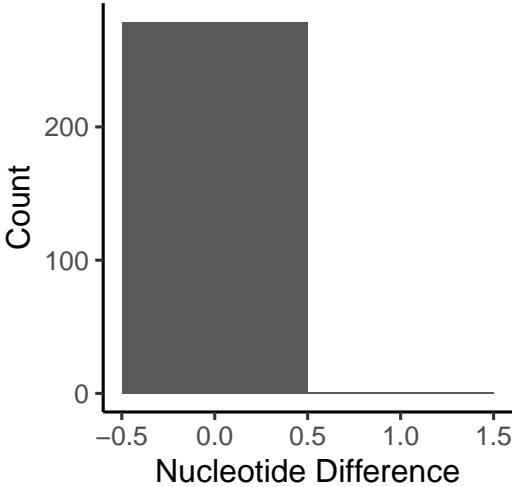
TRBV4-3*ap01

1344 sequences assigned
1331 (99%) exact matches, in which:
1316 unique CDR3
13 unique J



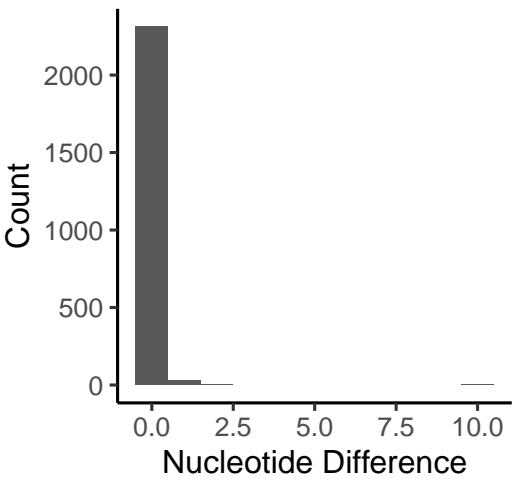
TRBV5-3*ap01

280 sequences assigned
279 (99.6%) exact matches, in which:
271 unique CDR3
13 unique J



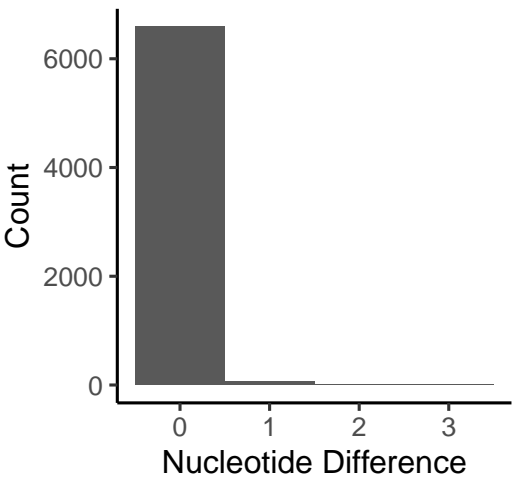
TRBV24-1*ap01

2342 sequences assigned
2312 (98.7%) exact matches, in which:
2306 unique CDR3
13 unique J



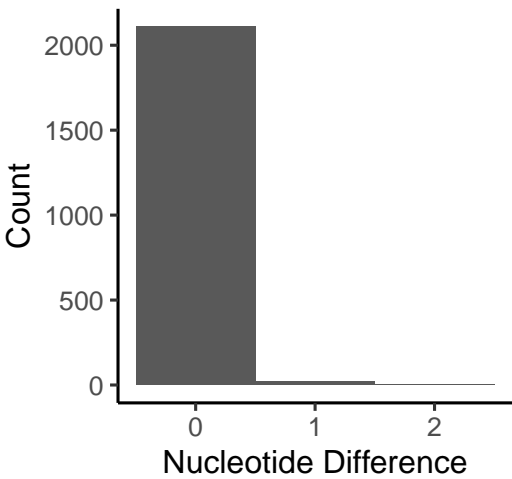
TRBV5-1*ap01

6668 sequences assigned
6589 (98.8%) exact matches, in which:
6504 unique CDR3
13 unique J



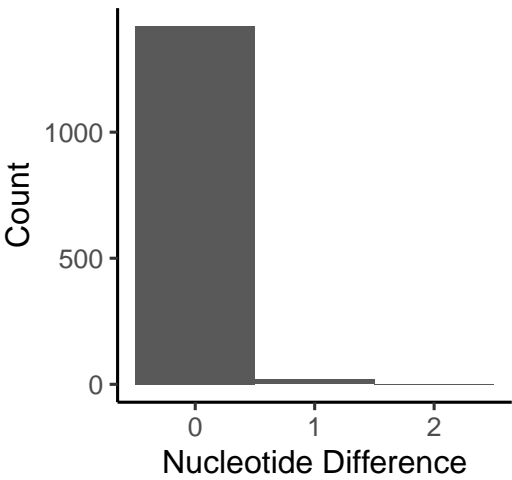
TRBV5-4*ap01

2133 sequences assigned
2109 (98.9%) exact matches, in which:
2085 unique CDR3
13 unique J



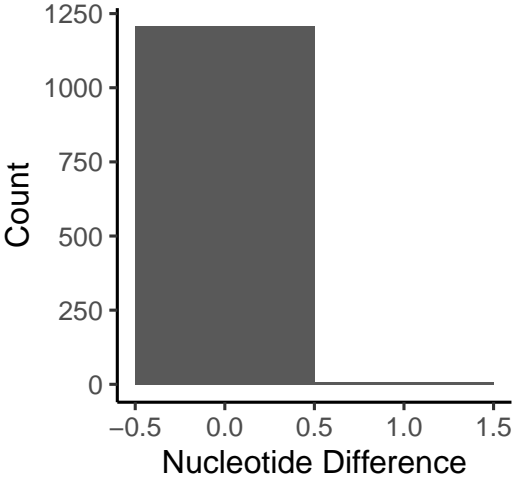
TRBV4-2*ap01

1441 sequences assigned
1421 (98.6%) exact matches, in which:
1417 unique CDR3
13 unique J



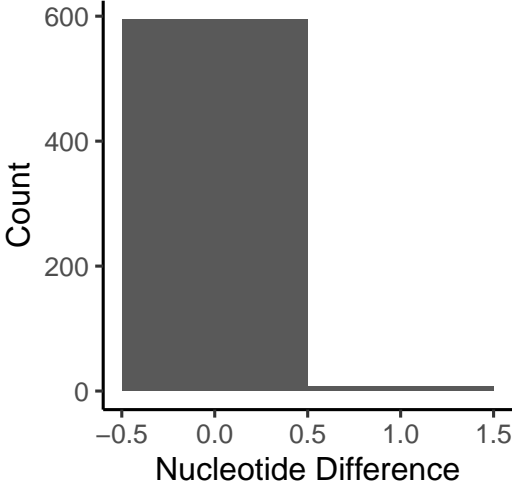
TRBV25-1*ap01

1216 sequences assigned
1208 (99.3%) exact matches, in which:
1204 unique CDR3
13 unique J



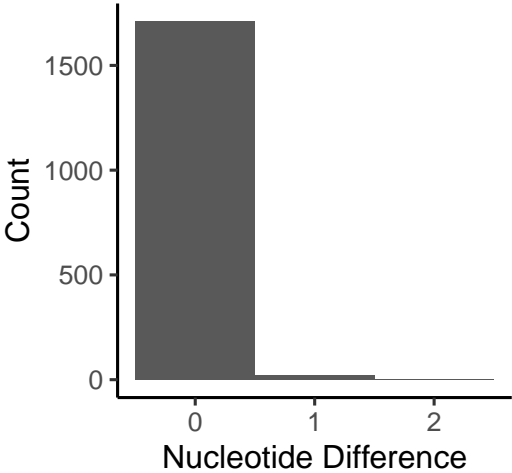
TRBV5-5*ap01

603 sequences assigned
595 (98.7%) exact matches, in which:
584 unique CDR3
13 unique J



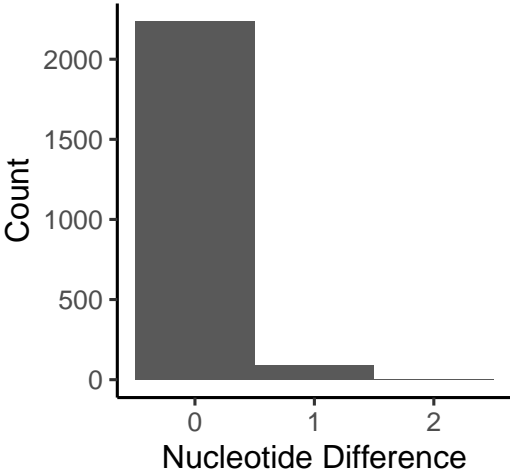
TRBV5-6*ap01

1731 sequences assigned
1710 (98.8%) exact matches, in which:
1695 unique CDR3
13 unique J



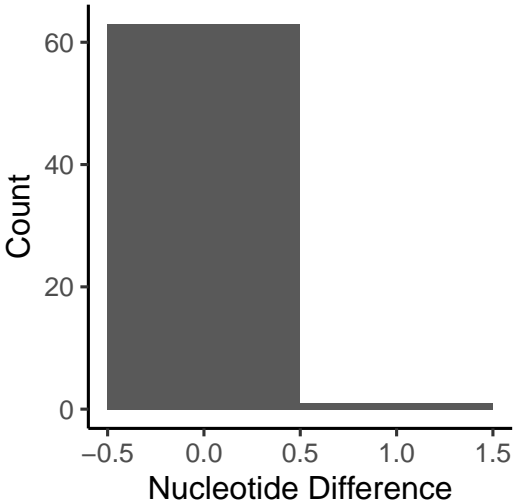
TRBV6-1*ap01

2329 sequences assigned
2236 (96%) exact matches, in which:
2218 unique CDR3
13 unique J



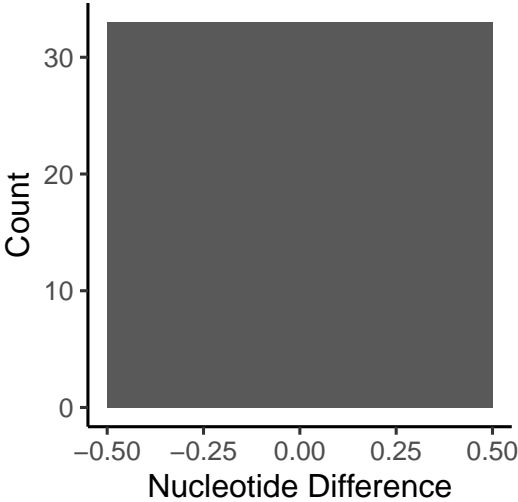
TRBV6-8*ap01

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



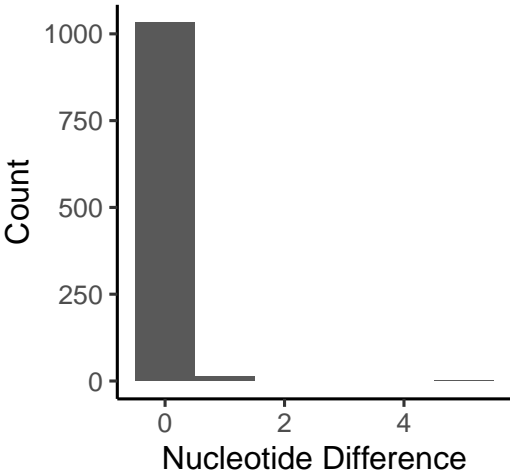
TRBV5-7*ap01

33 sequences assigned
33 (100%) exact matches, in which:
33 unique CDR3
12 unique J



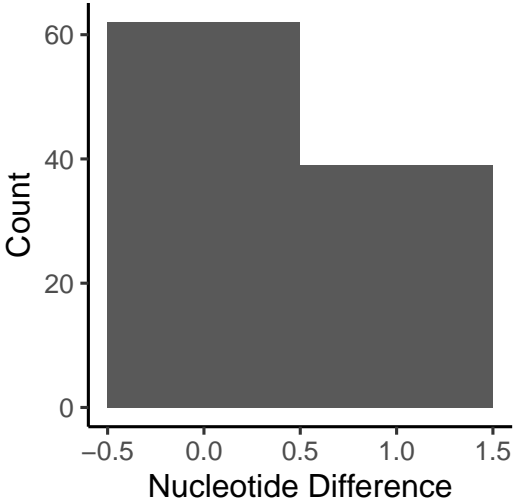
TRBV6-4*ap01

1045 sequences assigned
1032 (98.8%) exact matches, in which:
1023 unique CDR3
13 unique J



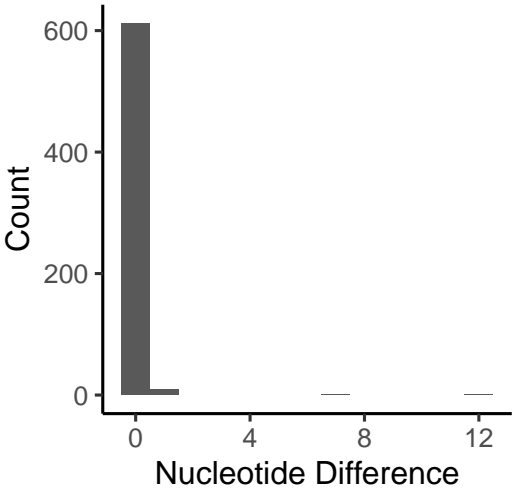
TRBV6-9*ap01

101 sequences assigned
62 (61.4%) exact matches, in which:
62 unique CDR3
10 unique J



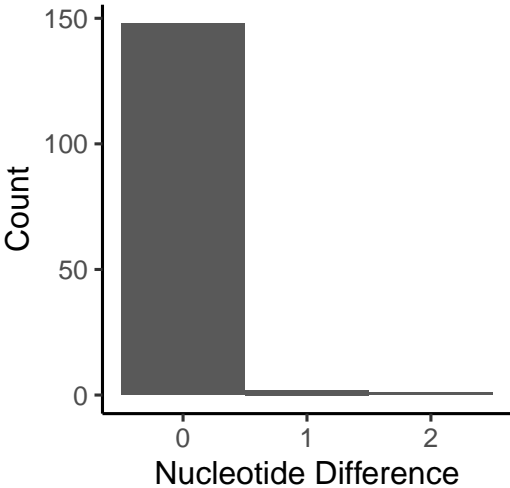
TRBV5-8*ap01

623 sequences assigned
612 (98.2%) exact matches, in which:
605 unique CDR3
13 unique J



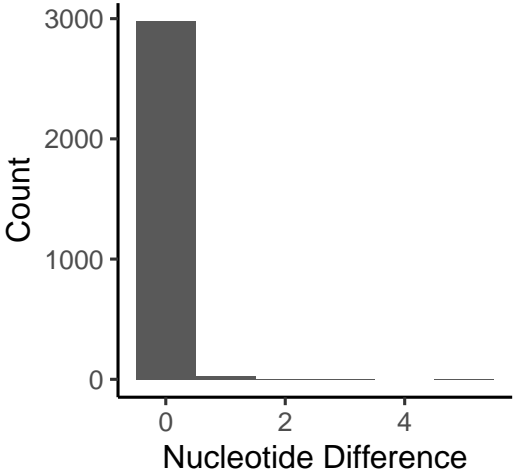
TRBV6-7*ap01

151 sequences assigned
148 (98%) exact matches, in which:
146 unique CDR3
12 unique J



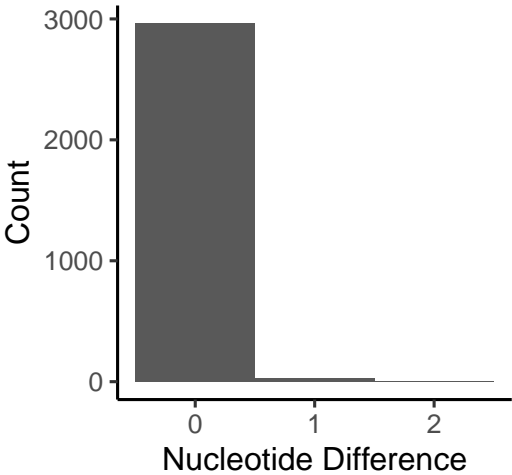
TRBV6-23*ap01

3016 sequences assigned
2980 (98.8%) exact matches, in which:
2960 unique CDR3
13 unique J



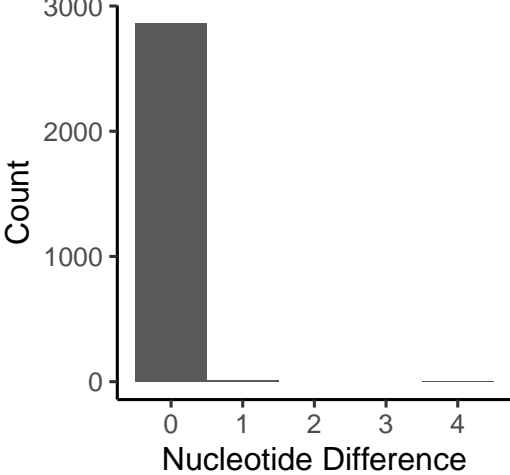
TRBV6-56*ap01

2989 sequences assigned
2963 (99.1%) exact matches, in which:
2947 unique CDR3
13 unique J



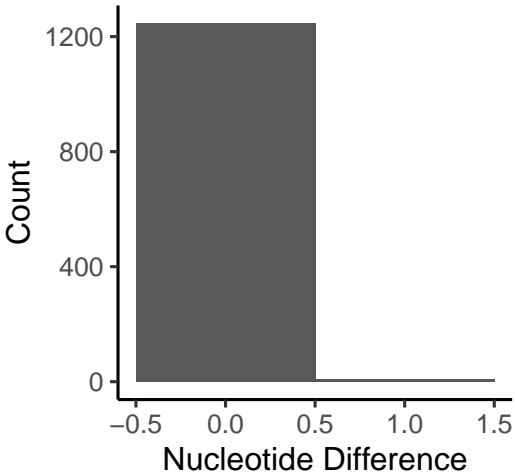
TRBV7-2*ap01

2876 sequences assigned
2861 (99.5%) exact matches, in which:
2829 unique CDR3
13 unique J



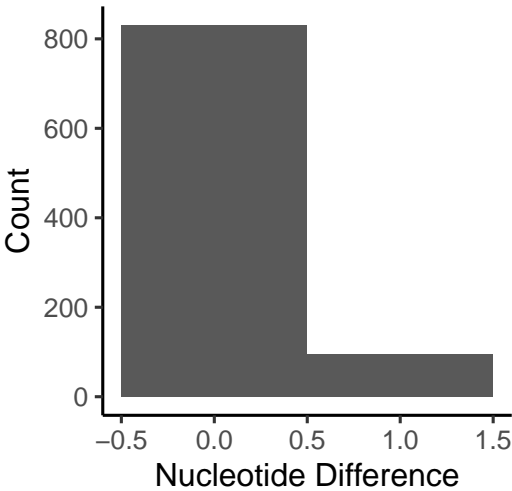
TRBV7-6*ap01

1256 sequences assigned
1246 (99.2%) exact matches, in which:
1238 unique CDR3
13 unique J



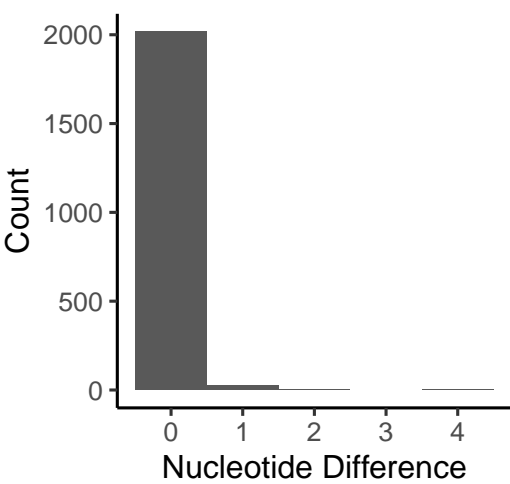
TRBV6-56*ap02

927 sequences assigned
831 (89.6%) exact matches, in which:
825 unique CDR3
13 unique J



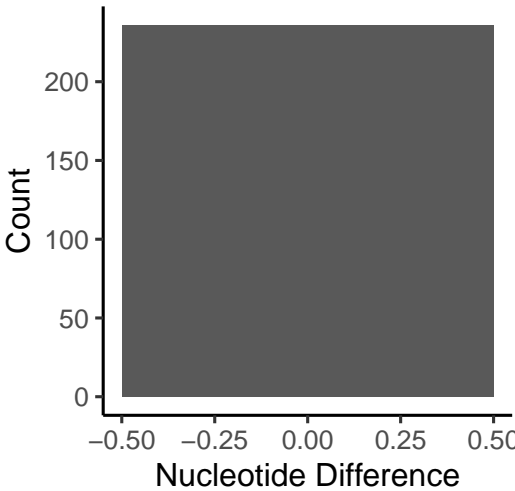
TRBV7-3*ap01

2043 sequences assigned
2017 (98.7%) exact matches, in which:
1992 unique CDR3
13 unique J



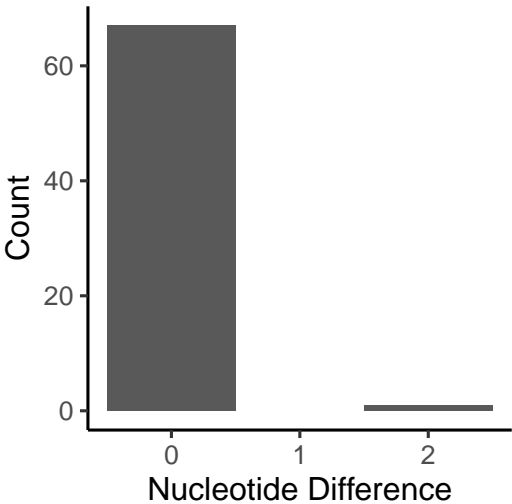
TRBV7-7*ap01

236 sequences assigned
236 (100%) exact matches, in which:
235 unique CDR3
13 unique J



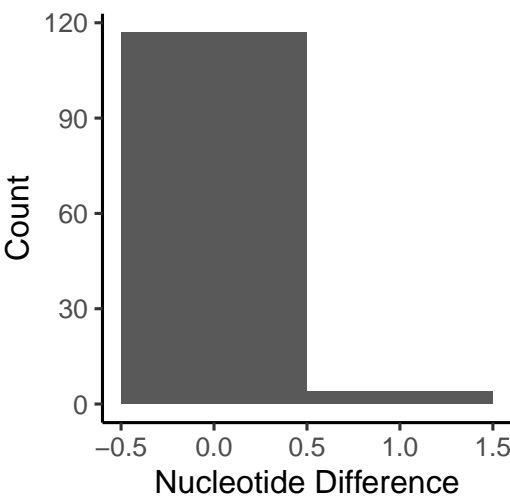
TRBV7-1*ap01_G291C_T

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



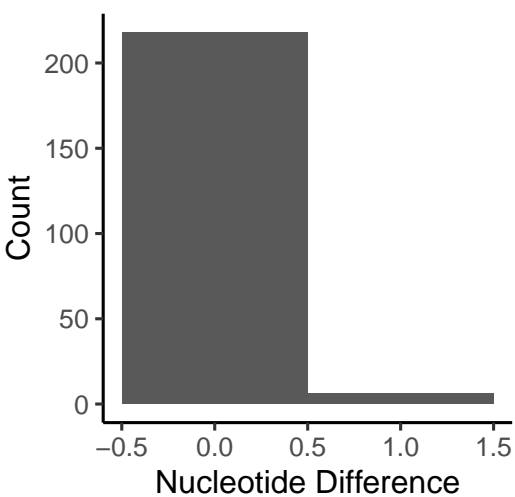
TRBV7-4*ap01

121 sequences assigned
117 (96.7%) exact matches, in which:
117 unique CDR3
13 unique J



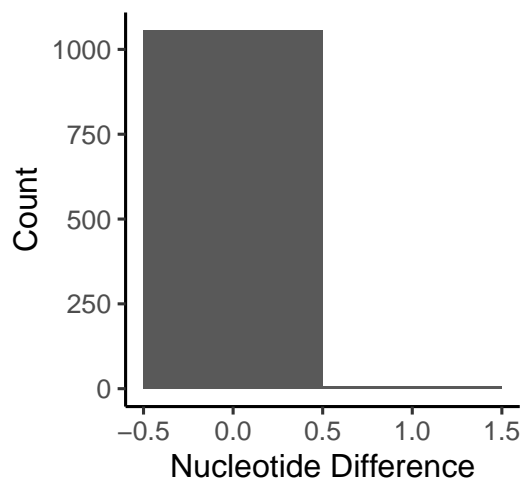
TRBV7-7*ap01_C315T

224 sequences assigned
218 (97.3%) exact matches, in which:
218 unique CDR3
13 unique J



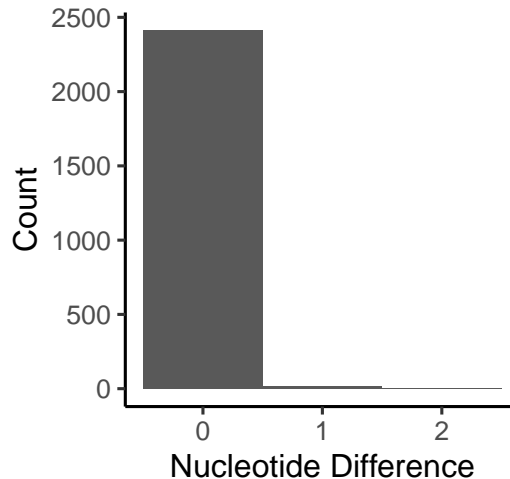
TRBV7-8*ap01

1063 sequences assigned
1056 (99.3%) exact matches, in which:
1048 unique CDR3
13 unique J



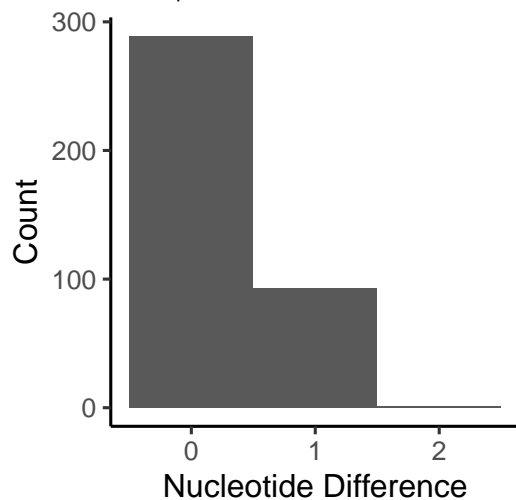
TRBV29-1*ap01

2430 sequences assigned
2412 (99.3%) exact matches, in which:
2390 unique CDR3
13 unique J



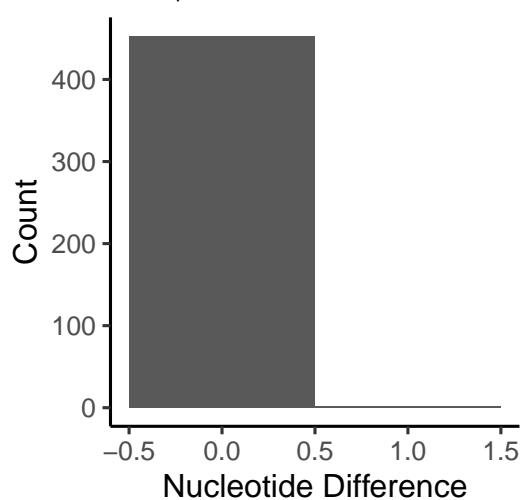
TRBV7-8*ap03

383 sequences assigned
289 (75.5%) exact matches, in which:
286 unique CDR3
13 unique J



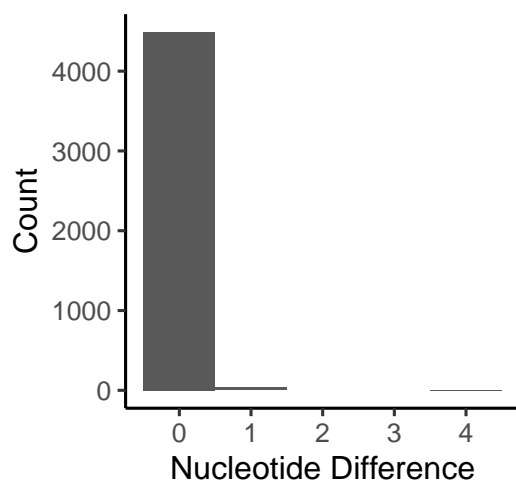
TRBV29-1*ap02

455 sequences assigned
453 (99.6%) exact matches, in which:
449 unique CDR3
12 unique J

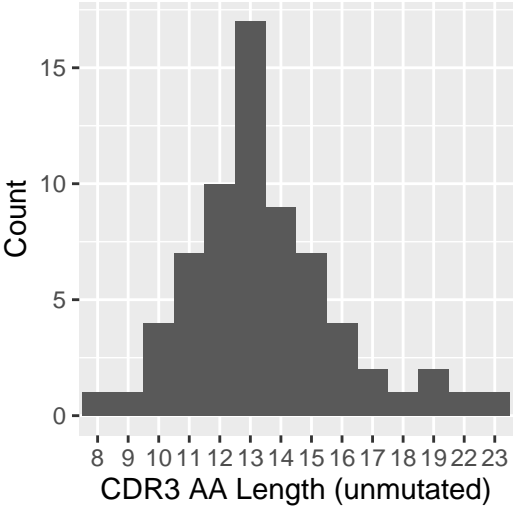


TRBV7-9*ap01

4527 sequences assigned
4490 (99.2%) exact matches, in which:
4452 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

