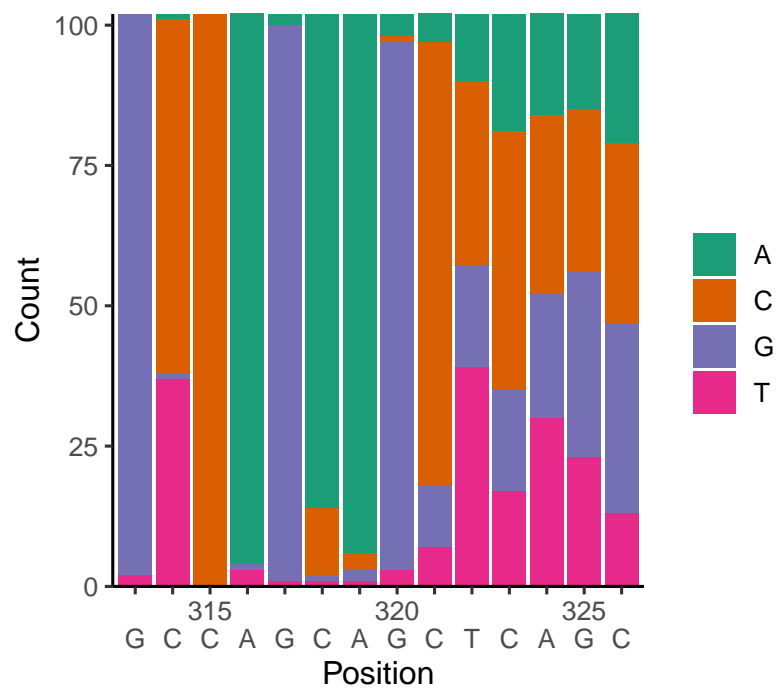
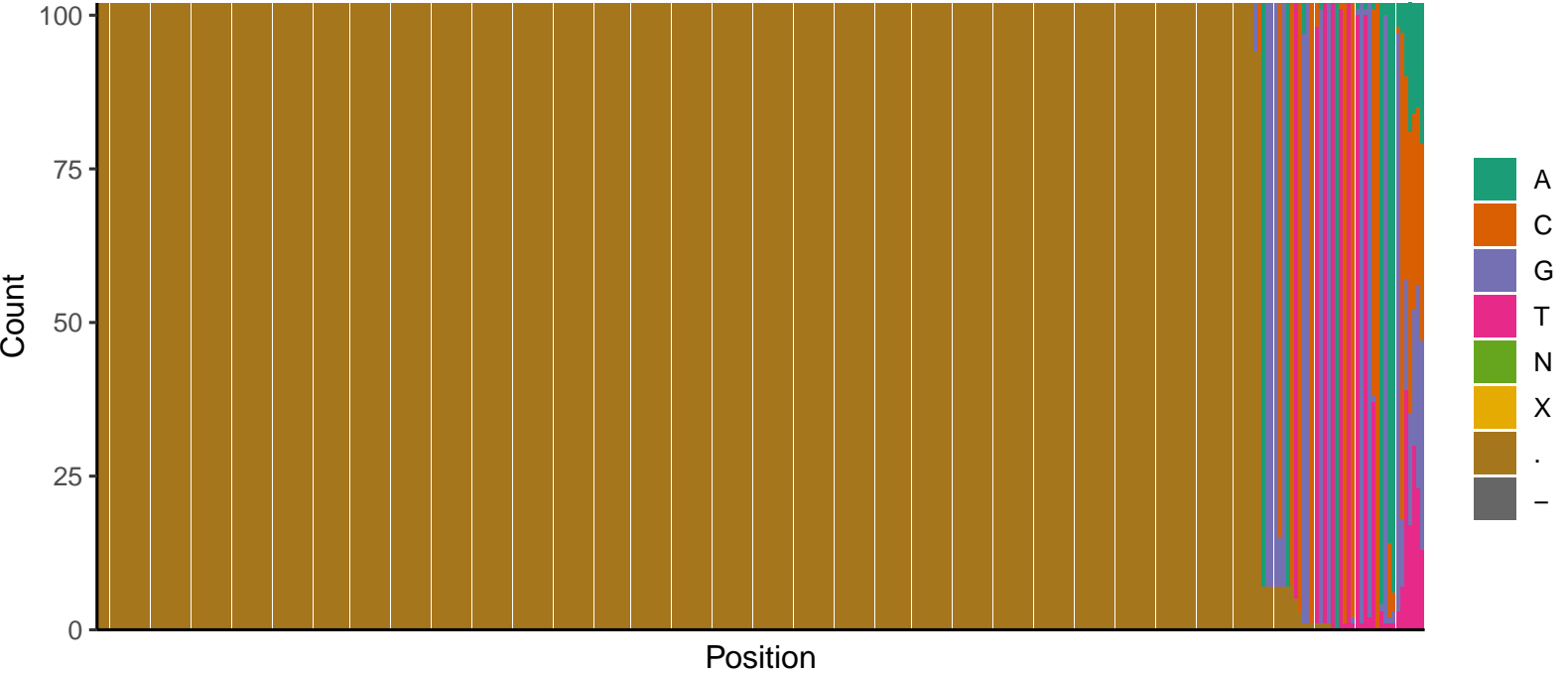


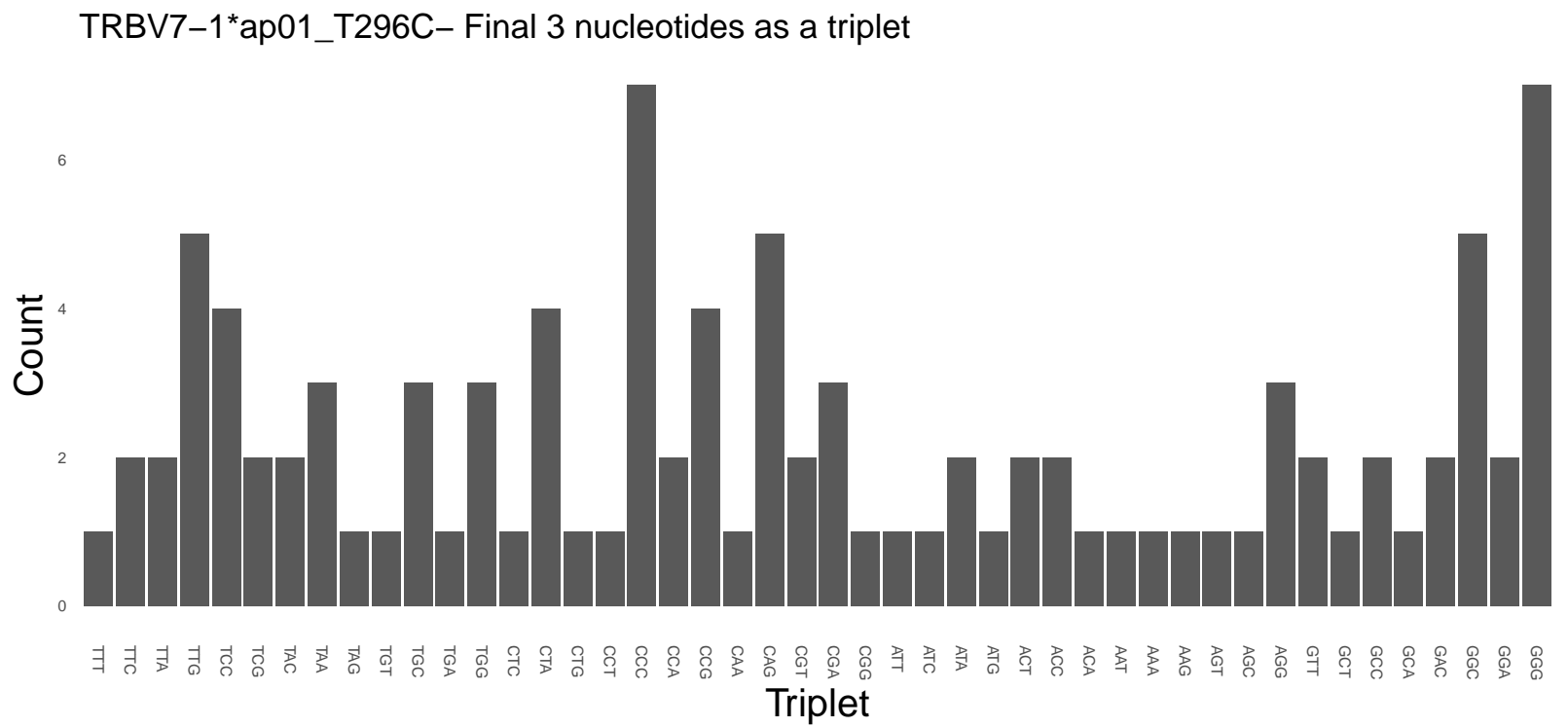
Gene TRBV7-1*ap01_T296C



Gene TRBV7-1*ap01_T296C

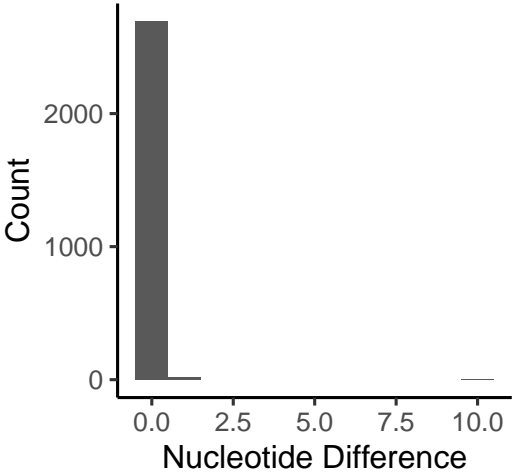


TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet



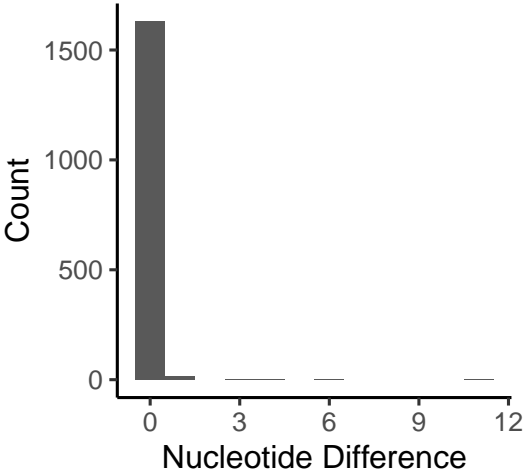
TRBV10-1*ap01

2714 sequences assigned
2693 (99.2%) exact matches, in which:
2608 unique CDR3
13 unique J



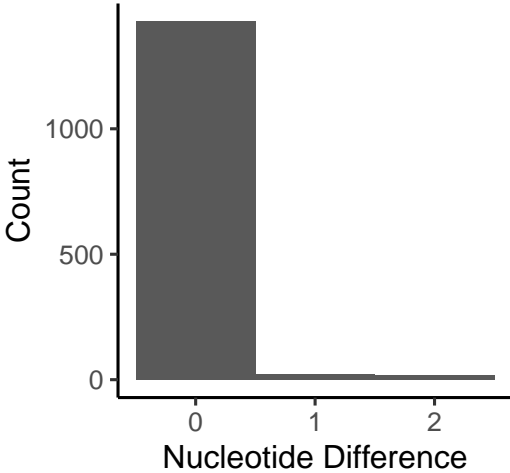
TRBV10-2*ap01

1648 sequences assigned
1630 (98.9%) exact matches, in which:
1575 unique CDR3
13 unique J



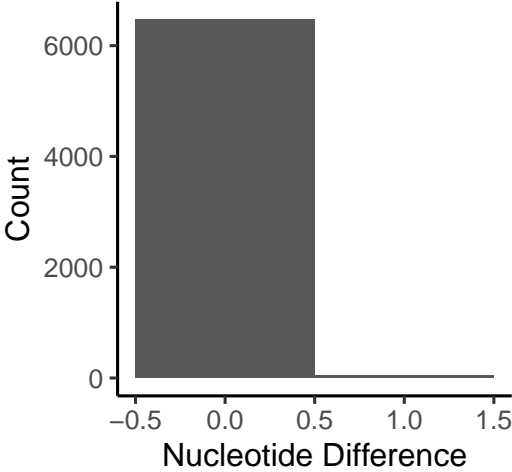
TRBV13*ap01

1467 sequences assigned
1428 (97.3%) exact matches, in which:
1363 unique CDR3
13 unique J



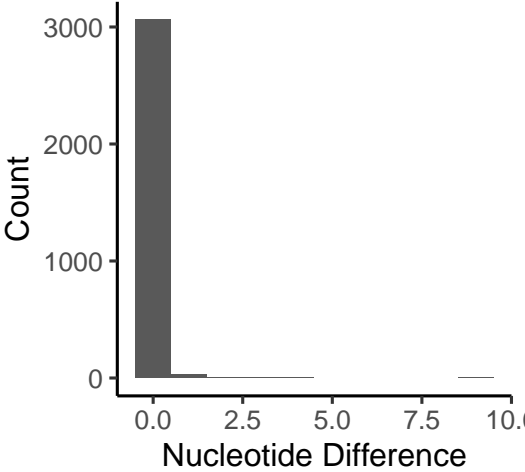
TRBV20-1*ap01

6515 sequences assigned
6468 (99.3%) exact matches, in which:
6390 unique CDR3
13 unique J



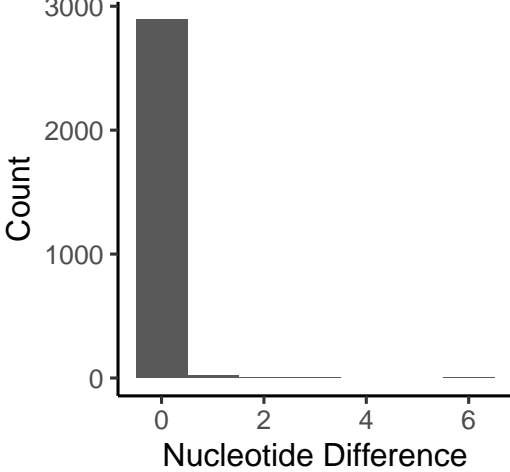
TRBV10-3*ap01

3102 sequences assigned
3062 (98.7%) exact matches, in which:
2956 unique CDR3
13 unique J



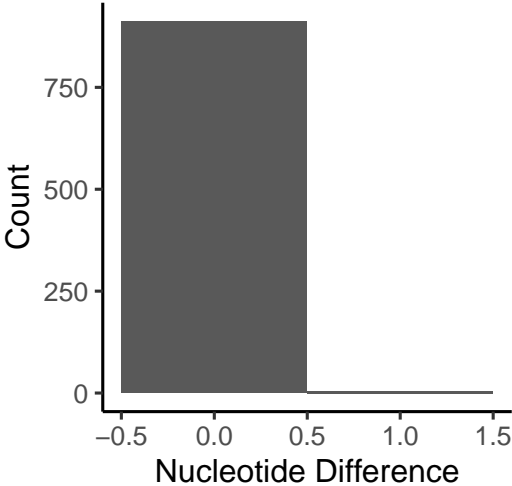
TRBV14*ap01

2919 sequences assigned
2891 (99%) exact matches, in which:
2828 unique CDR3
13 unique J



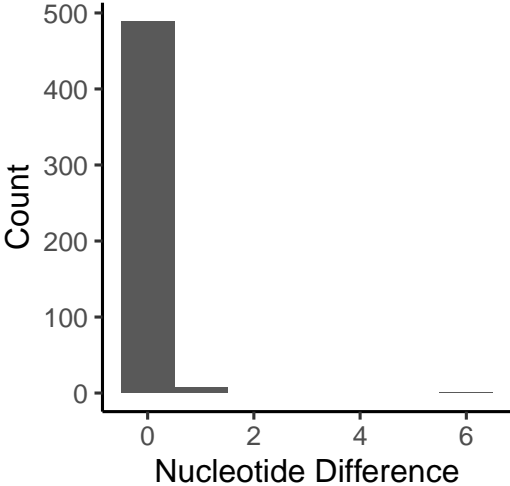
TRBV20-1*ap02

917 sequences assigned
912 (99.5%) exact matches, in which:
901 unique CDR3
13 unique J



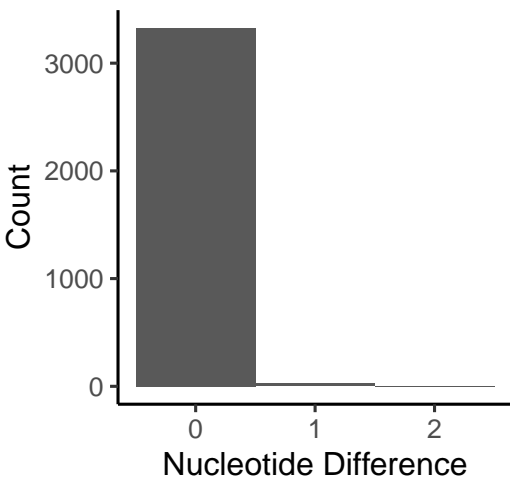
TRBV1*ap01

497 sequences assigned
489 (98.4%) exact matches, in which:
456 unique CDR3
13 unique J



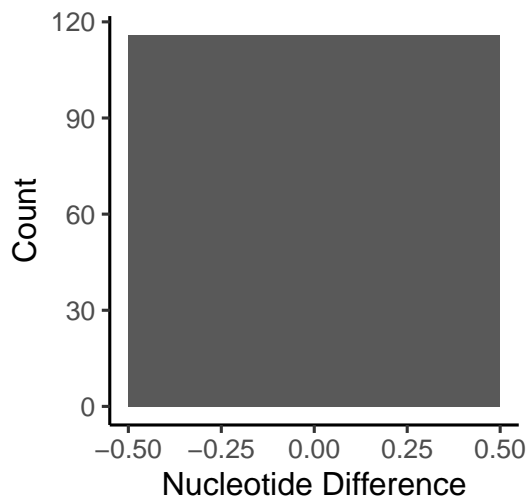
TRBV15*ap02

3353 sequences assigned
3326 (99.2%) exact matches, in which:
3215 unique CDR3
13 unique J



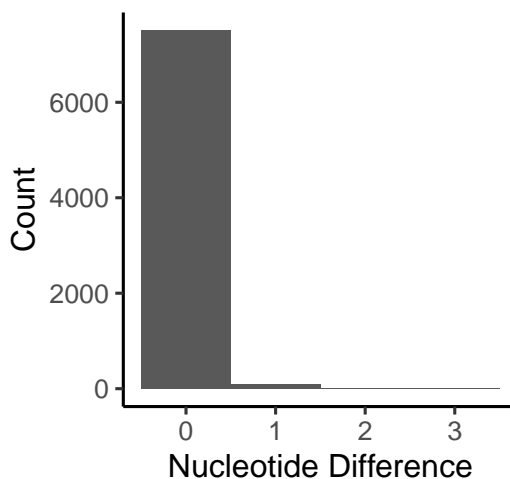
TRBV16*ap01

116 sequences assigned
116 (100%) exact matches, in which:
114 unique CDR3
12 unique J



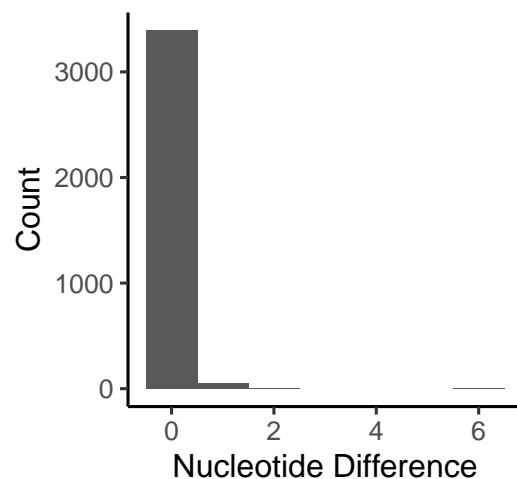
TRBV2*ap01

7604 sequences assigned
7506 (98.7%) exact matches, in which:
7263 unique CDR3
13 unique J



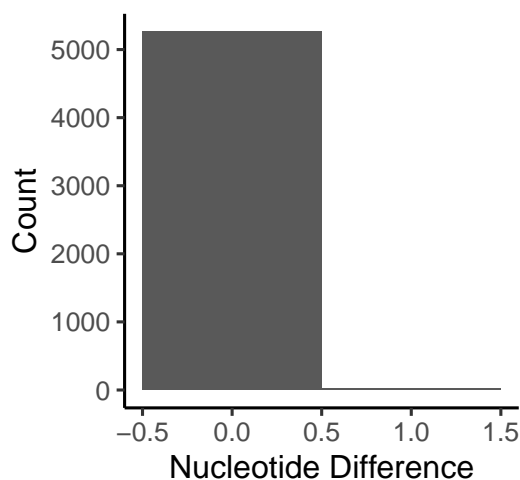
TRBV30*ap01

3447 sequences assigned
3393 (98.4%) exact matches, in which:
3187 unique CDR3
13 unique J



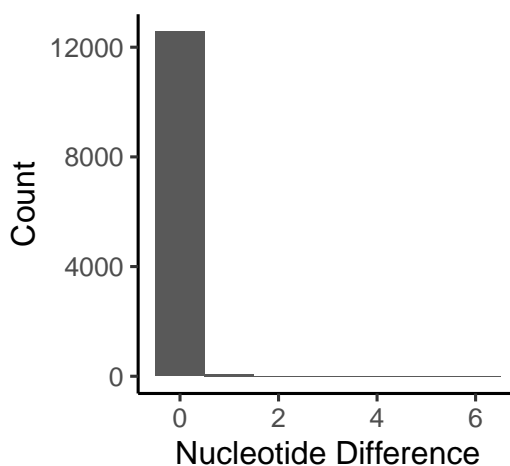
TRBV18*ap01

5290 sequences assigned
5262 (99.5%) exact matches, in which:
5198 unique CDR3
13 unique J



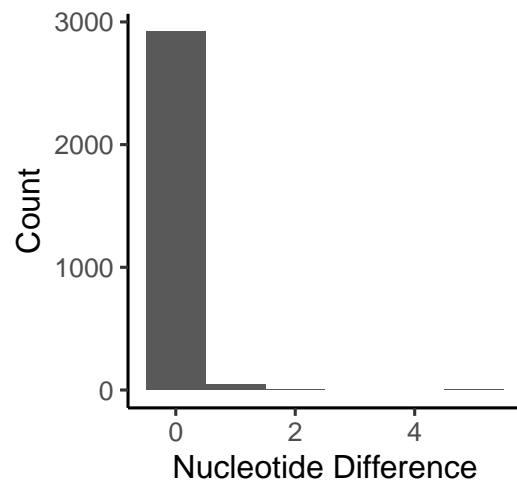
TRBV27*ap01

12665 sequences assigned
12574 (99.3%) exact matches, in which:
12229 unique CDR3
13 unique J



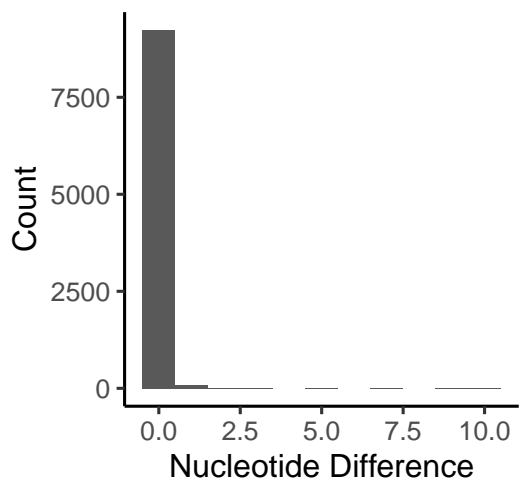
TRBV30*ap02

2965 sequences assigned
2920 (98.5%) exact matches, in which:
2781 unique CDR3
13 unique J



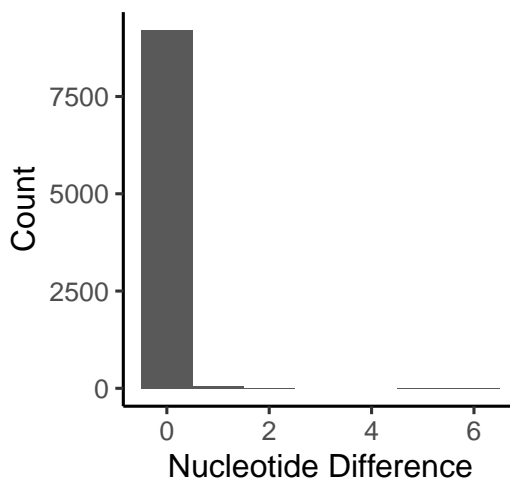
TRBV19*ap01

9338 sequences assigned
9233 (98.9%) exact matches, in which:
9106 unique CDR3
13 unique J



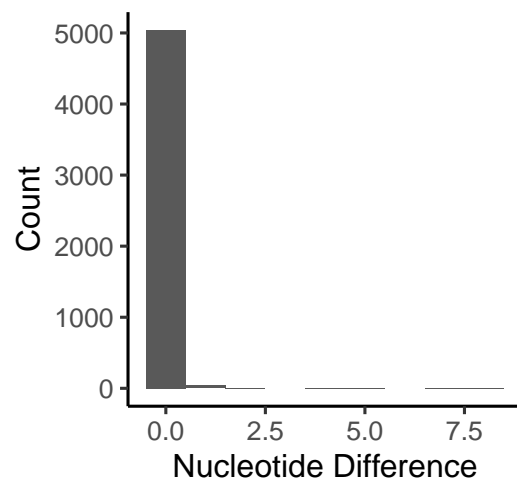
TRBV28*ap01

9278 sequences assigned
9208 (99.2%) exact matches, in which:
9015 unique CDR3
13 unique J



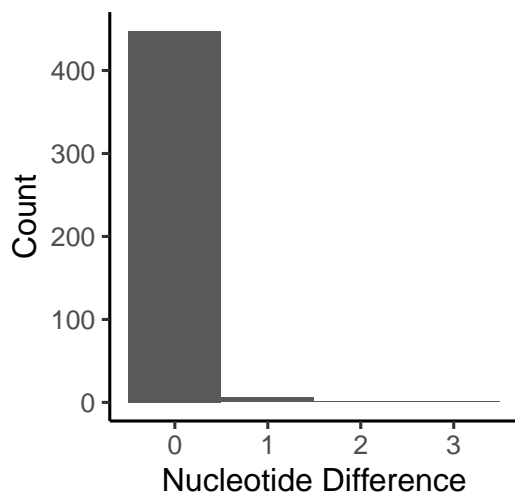
TRBV9*ap01

5089 sequences assigned
5041 (99.1%) exact matches, in which:
4959 unique CDR3
13 unique J



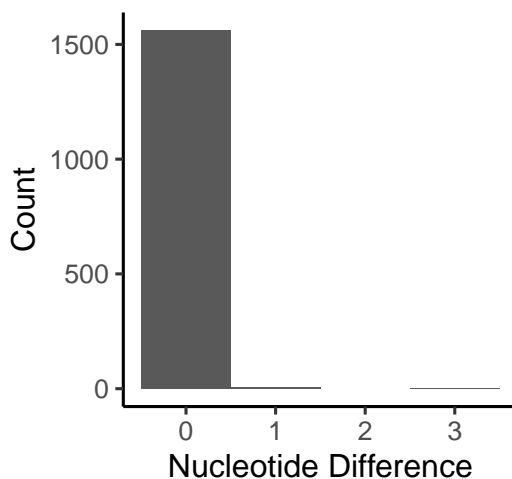
TRBV11-1*ap01

456 sequences assigned
448 (98.2%) exact matches, in which:
444 unique CDR3
12 unique J



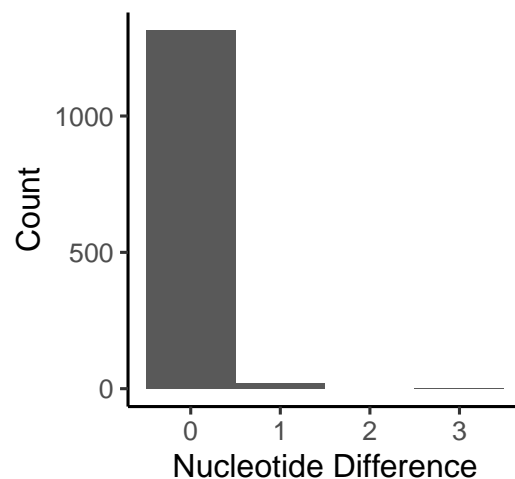
TRBV11-3*ap01

1569 sequences assigned
1561 (99.5%) exact matches, in which:
1542 unique CDR3
13 unique J



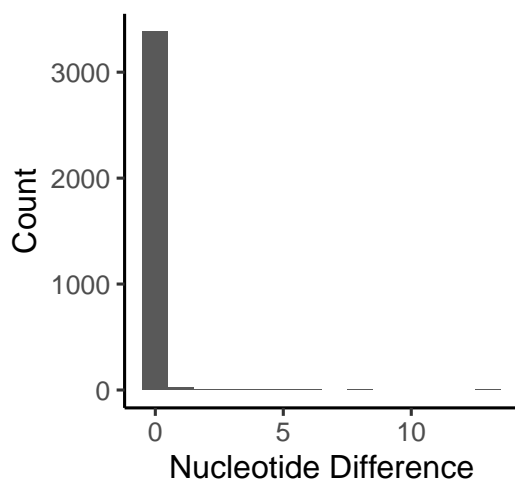
TRBV12-5*ap01

1335 sequences assigned
1314 (98.4%) exact matches, in which:
1279 unique CDR3
13 unique J



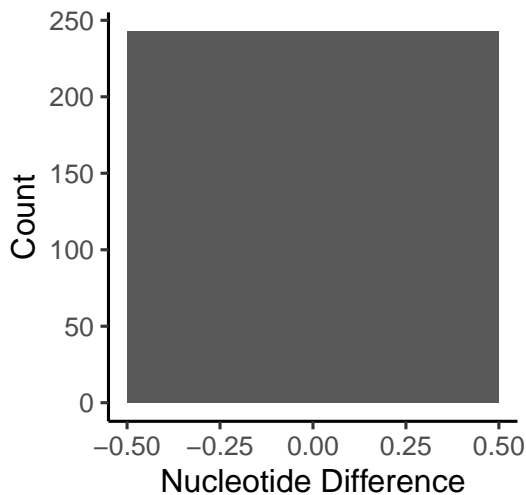
TRBV21-1*ap01

3420 sequences assigned
3382 (98.9%) exact matches, in which:
3331 unique CDR3
13 unique J



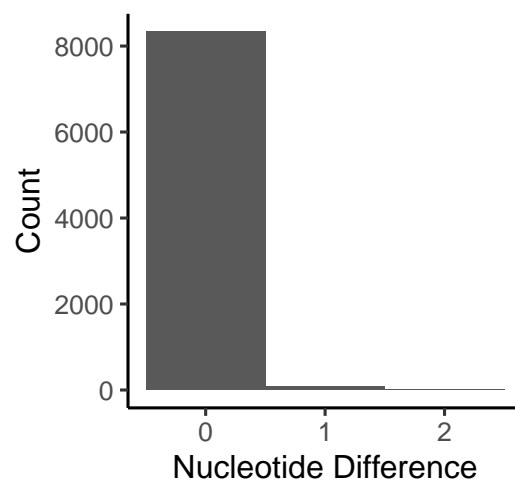
TRBV12-1*ap01

243 sequences assigned
243 (100%) exact matches, in which:
238 unique CDR3
13 unique J



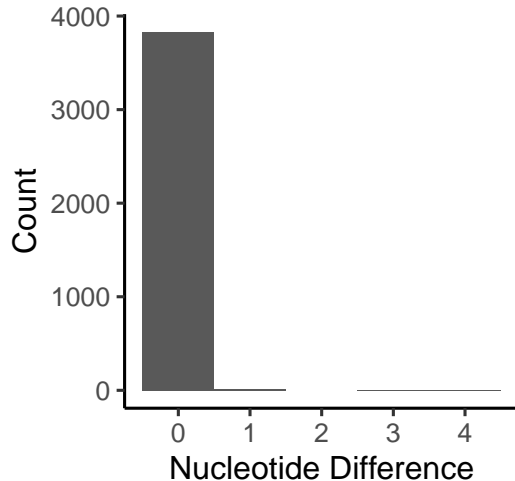
TRBV12-34*ap01

8409 sequences assigned
8333 (99.1%) exact matches, in which:
8121 unique CDR3
13 unique J



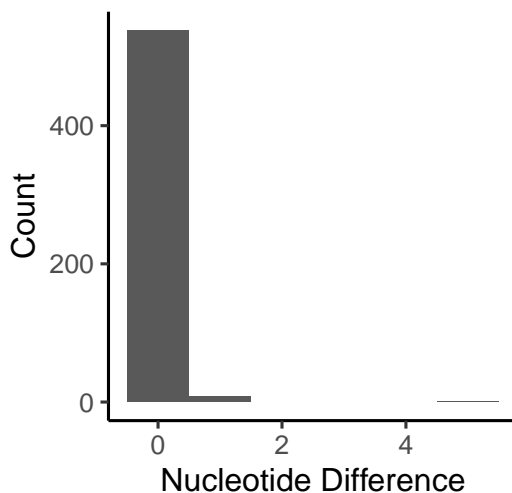
TRBV11-2*ap01

3847 sequences assigned
3829 (99.5%) exact matches, in which:
3788 unique CDR3
13 unique J



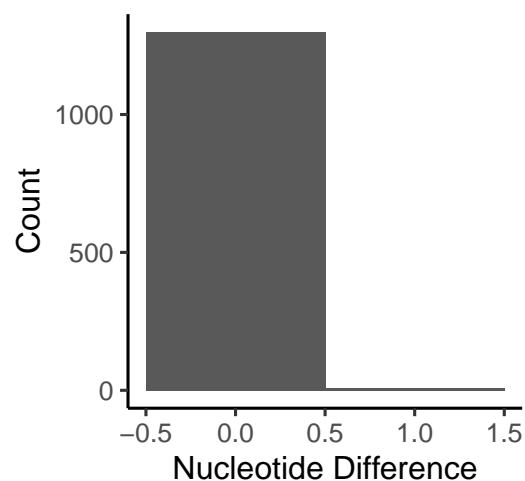
TRBV12-2*ap01

547 sequences assigned
538 (98.4%) exact matches, in which:
519 unique CDR3
13 unique J



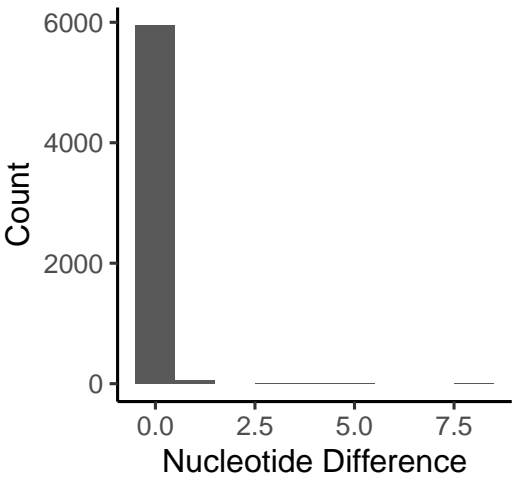
TRBV23-1*ap01

1308 sequences assigned
1299 (99.3%) exact matches, in which:
1272 unique CDR3
13 unique J



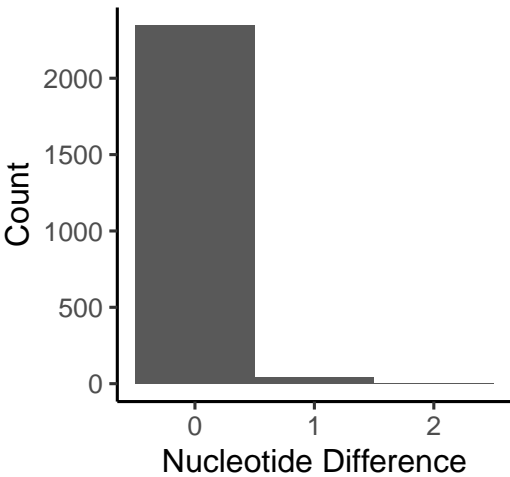
TRBV3-12*ap01

6004 sequences assigned
5948 (99.1%) exact matches, in which:
5854 unique CDR3
13 unique J



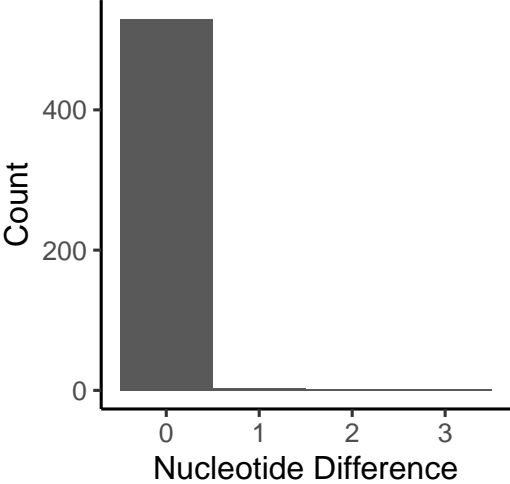
TRBV4-2*ap01

2388 sequences assigned
2346 (98.2%) exact matches, in which:
2245 unique CDR3
13 unique J



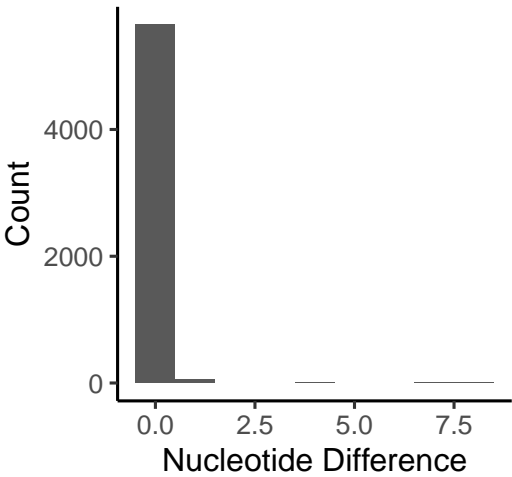
TRBV5-3*ap01

538 sequences assigned
530 (98.5%) exact matches, in which:
519 unique CDR3
13 unique J



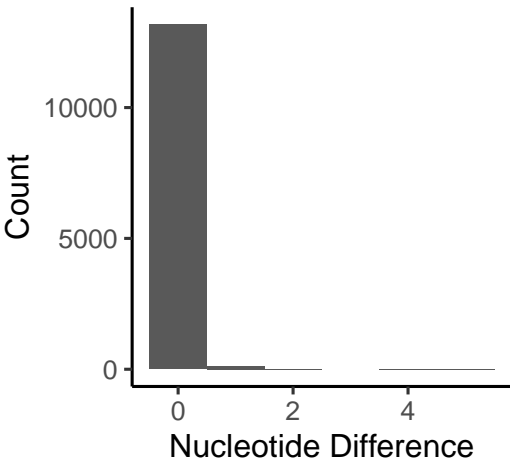
TRBV4-1*ap01

5714 sequences assigned
5653 (98.9%) exact matches, in which:
5407 unique CDR3
13 unique J



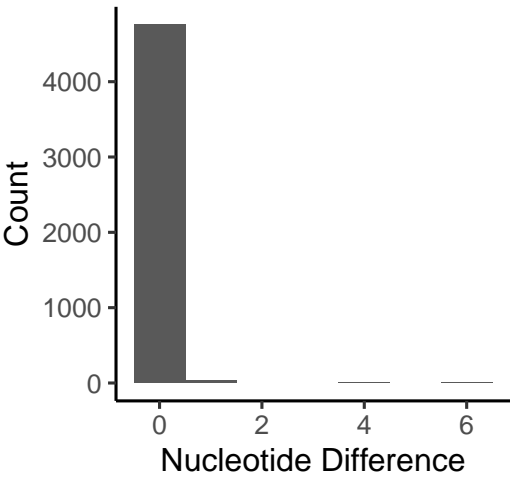
TRBV5-1*ap01

13312 sequences assigned
13175 (99%) exact matches, in which:
12749 unique CDR3
13 unique J



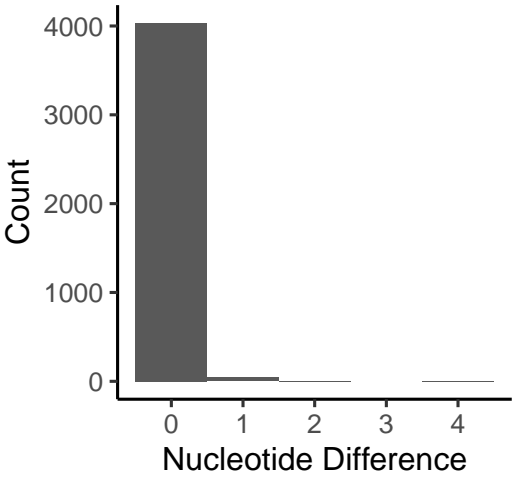
TRBV5-4*ap01

4790 sequences assigned
4756 (99.3%) exact matches, in which:
4595 unique CDR3
13 unique J



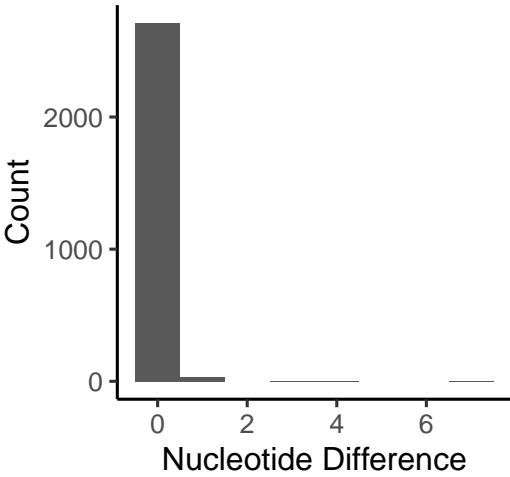
TRBV24-1*ap01

4081 sequences assigned
4033 (98.8%) exact matches, in which:
3907 unique CDR3
13 unique J



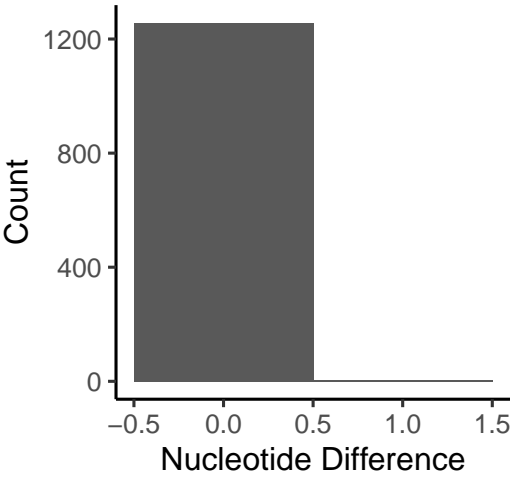
TRBV25-1*ap01

2746 sequences assigned
2711 (98.7%) exact matches, in which:
2583 unique CDR3
13 unique J



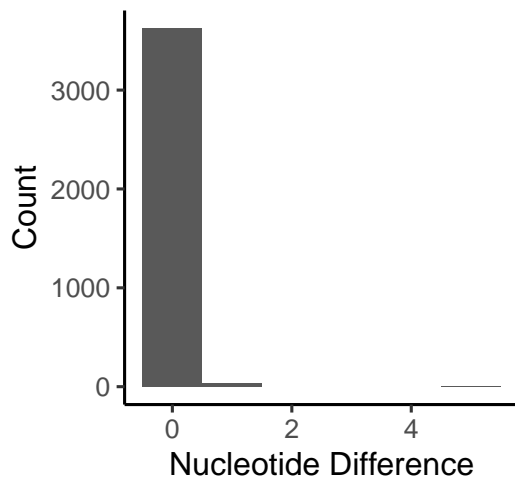
TRBV5-5*ap01

1260 sequences assigned
1256 (99.7%) exact matches, in which:
1251 unique CDR3
13 unique J



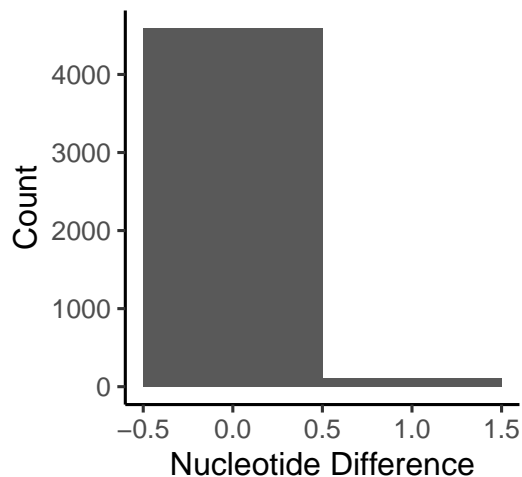
TRBV5-6*ap01

3663 sequences assigned
3624 (98.9%) exact matches, in which:
3444 unique CDR3
13 unique J



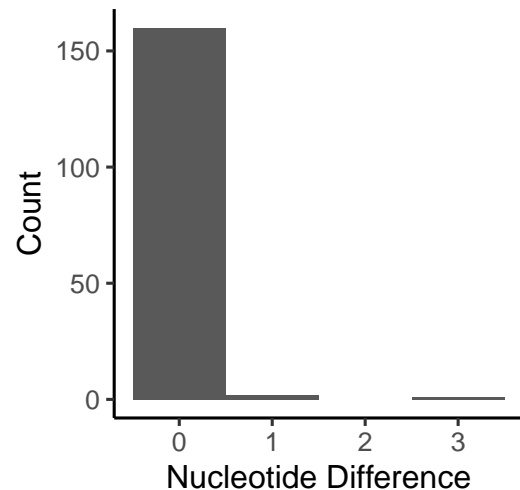
TRBV6-1*ap01

4699 sequences assigned
4590 (97.7%) exact matches, in which:
4408 unique CDR3
13 unique J



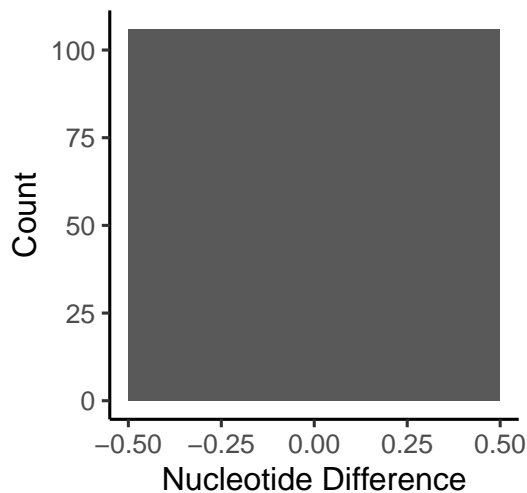
TRBV6-8*ap01

163 sequences assigned
160 (98.2%) exact matches, in which:
145 unique CDR3
13 unique J



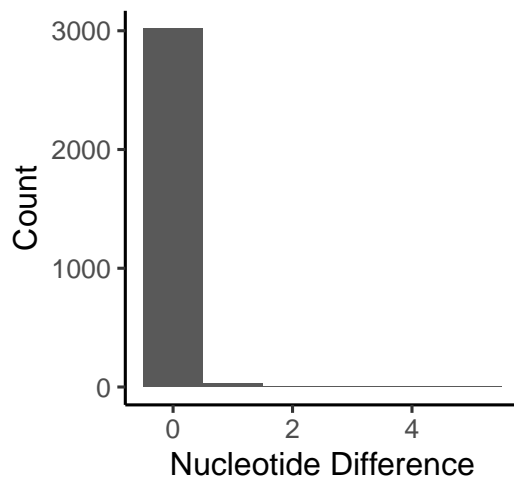
TRBV5-7*ap01

106 sequences assigned
106 (100%) exact matches, in which:
101 unique CDR3
12 unique J



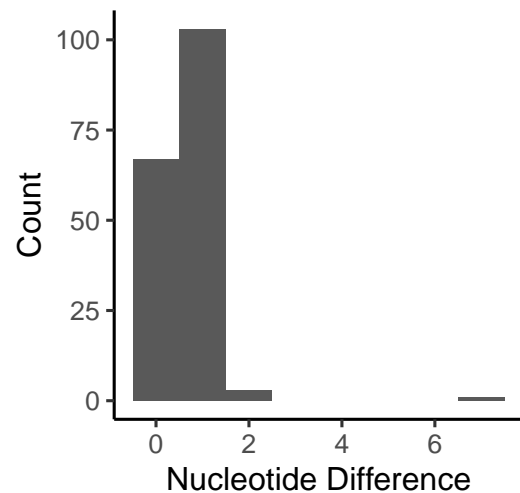
TRBV6-4*ap01

3053 sequences assigned
3017 (98.8%) exact matches, in which:
2946 unique CDR3
13 unique J



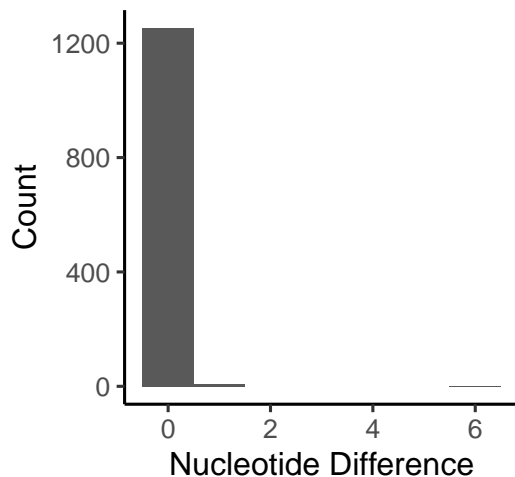
TRBV6-9*ap01

174 sequences assigned
67 (38.5%) exact matches, in which:
63 unique CDR3
11 unique J



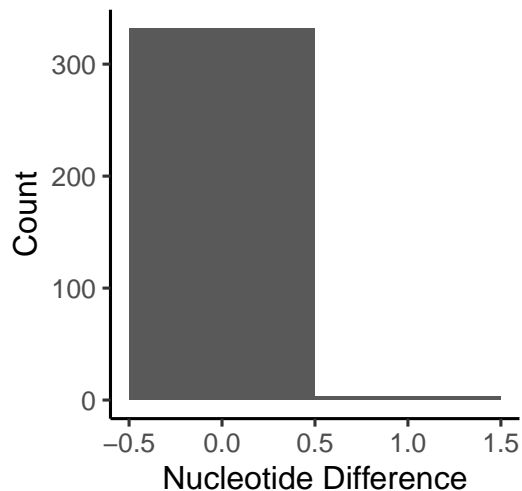
TRBV5-8*ap01

1262 sequences assigned
1253 (99.3%) exact matches, in which:
1223 unique CDR3
13 unique J



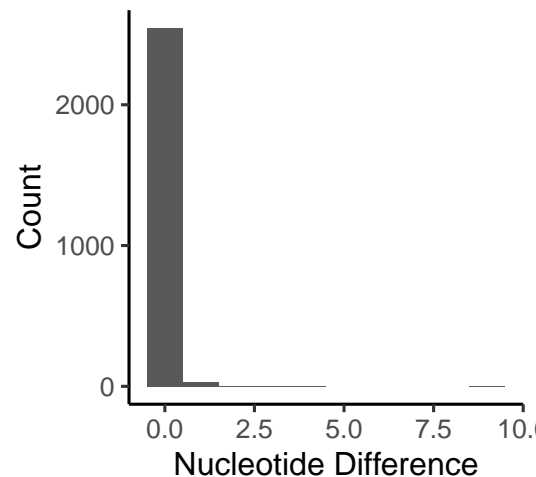
TRBV6-7*ap01

335 sequences assigned
332 (99.1%) exact matches, in which:
316 unique CDR3
13 unique J



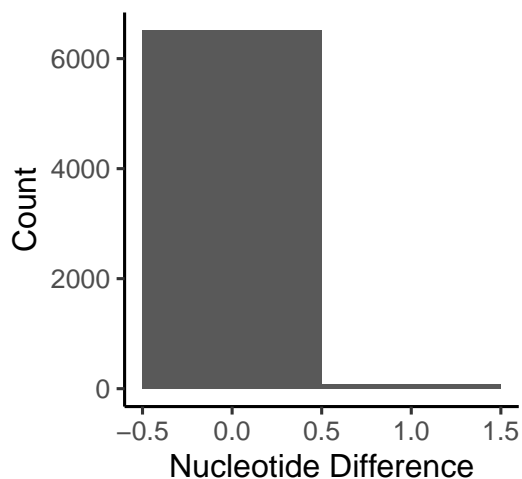
TRBV6-23*ap01

2579 sequences assigned
2545 (98.7%) exact matches, in which:
2418 unique CDR3
13 unique J



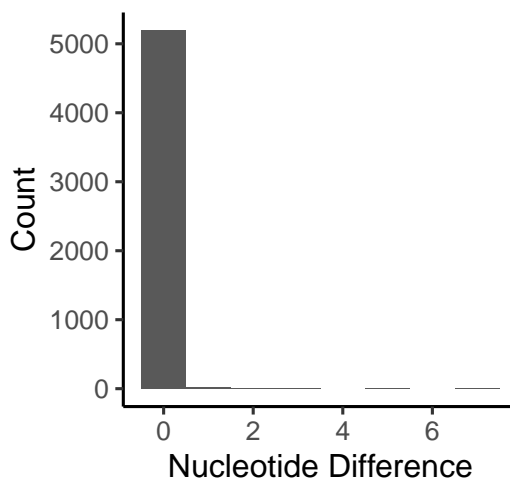
TRBV6-56*ap01

6590 sequences assigned
6513 (98.8%) exact matches, in which:
6212 unique CDR3
13 unique J



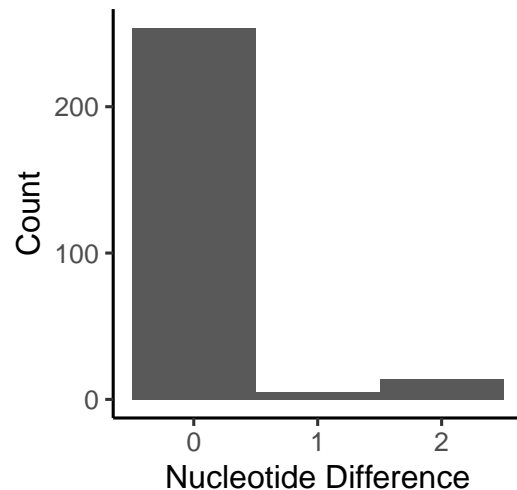
TRBV7-2*ap01

5216 sequences assigned
5194 (99.6%) exact matches, in which:
5047 unique CDR3
13 unique J



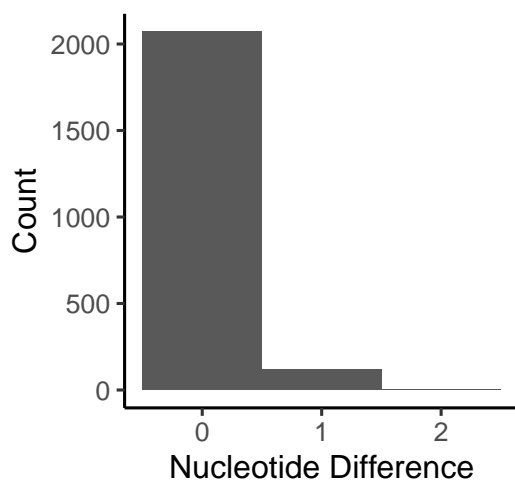
TRBV7-4*ap01

273 sequences assigned
254 (93%) exact matches, in which:
248 unique CDR3
13 unique J



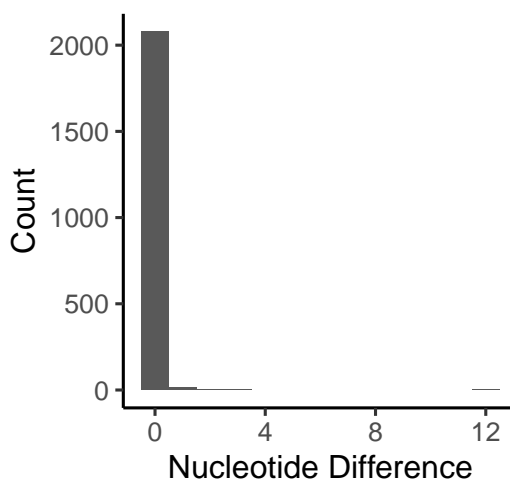
TRBV6-56*ap02

2194 sequences assigned
2071 (94.4%) exact matches, in which:
1973 unique CDR3
13 unique J



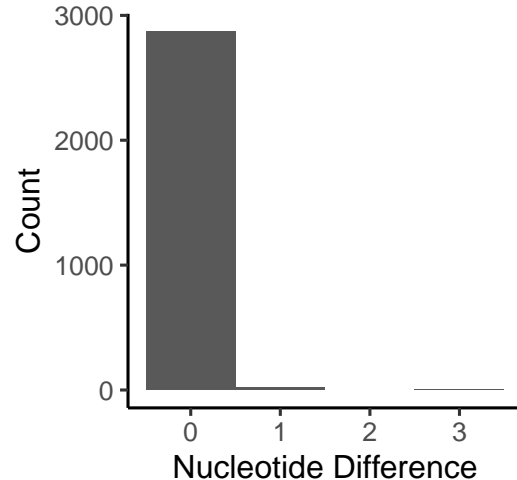
TRBV7-3*ap01

2099 sequences assigned
2078 (99%) exact matches, in which:
2043 unique CDR3
13 unique J



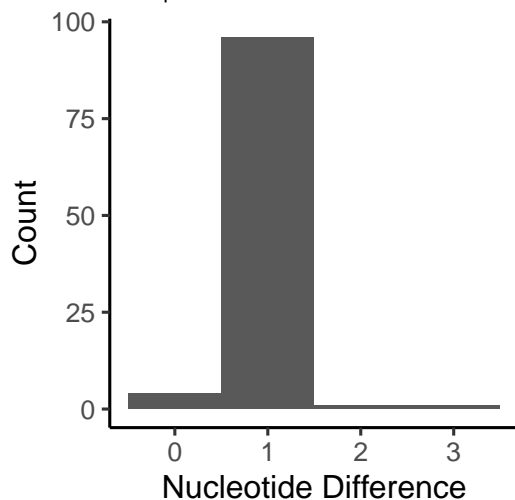
TRBV7-6*ap01

2893 sequences assigned
2869 (99.2%) exact matches, in which:
2777 unique CDR3
13 unique J



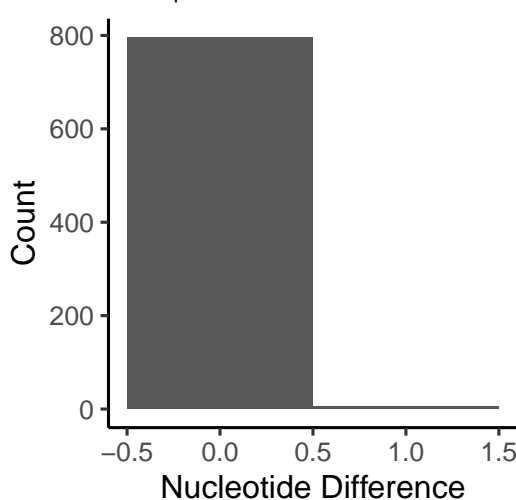
TRBV7-1*ap01_T296C

102 sequences assigned
4 (3.9%) exact matches, in which:
4 unique CDR3
4 unique J



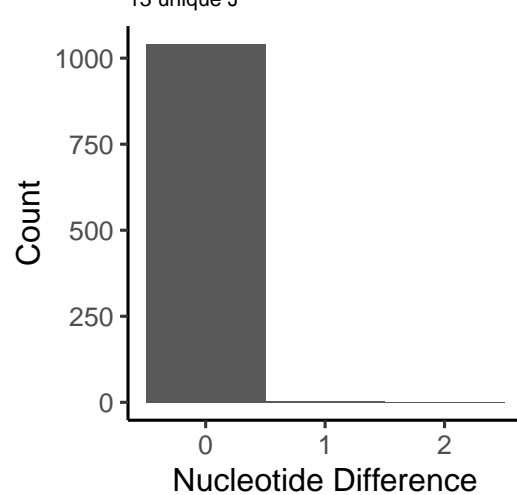
TRBV7-3*ap03

801 sequences assigned
796 (99.4%) exact matches, in which:
779 unique CDR3
13 unique J



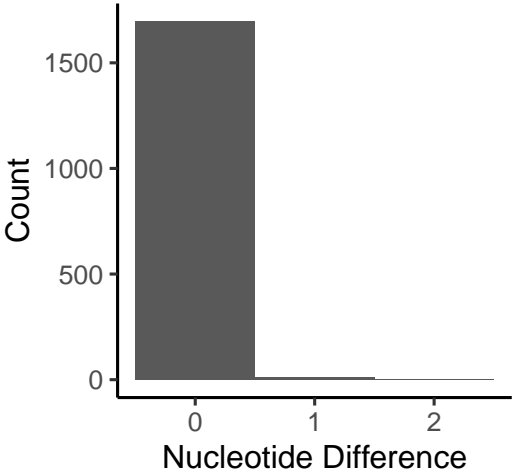
TRBV7-7*ap01

1046 sequences assigned
1041 (99.5%) exact matches, in which:
1016 unique CDR3
13 unique J



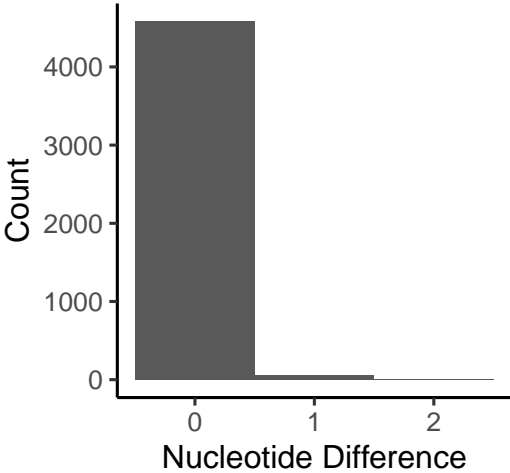
TRBV7-8*ap01

1708 sequences assigned
1696 (99.3%) exact matches, in which:
1647 unique CDR3
13 unique J



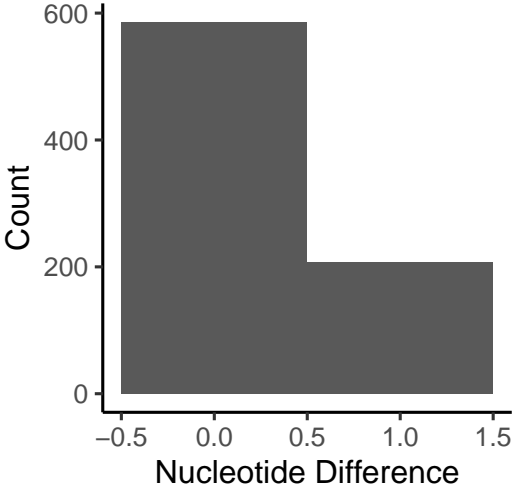
TRBV29-1*ap01

4640 sequences assigned
4582 (98.8%) exact matches, in which:
4300 unique CDR3
13 unique J



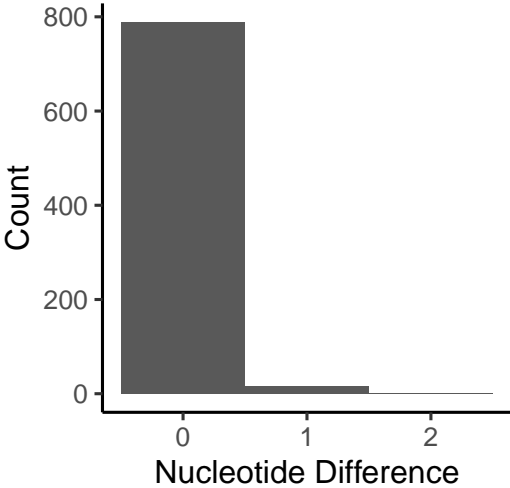
TRBV7-8*ap03

794 sequences assigned
586 (73.8%) exact matches, in which:
571 unique CDR3
13 unique J



TRBV29-1*ap02

806 sequences assigned
789 (97.9%) exact matches, in which:
754 unique CDR3
13 unique J



TRBV7-9*ap01

8452 sequences assigned
8383 (99.2%) exact matches, in which:
8176 unique CDR3
13 unique J

