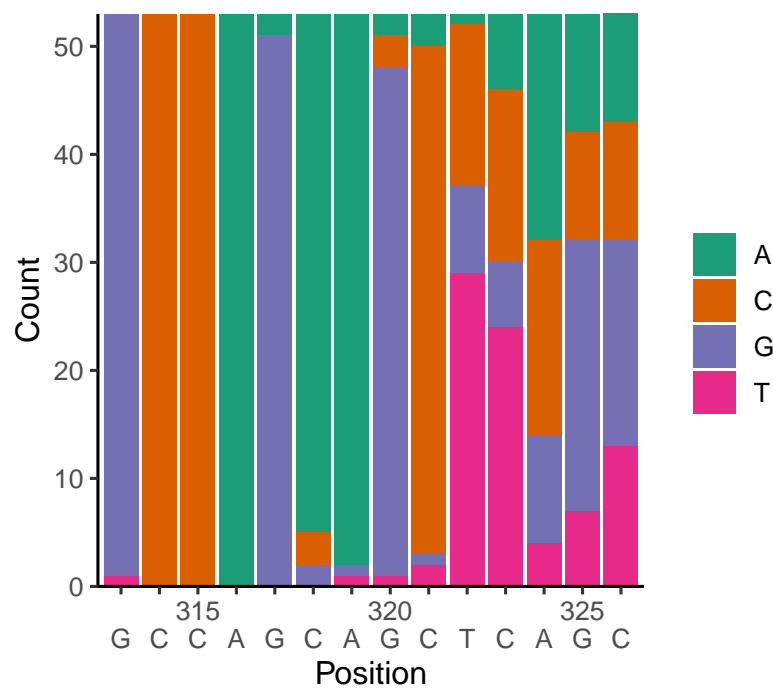
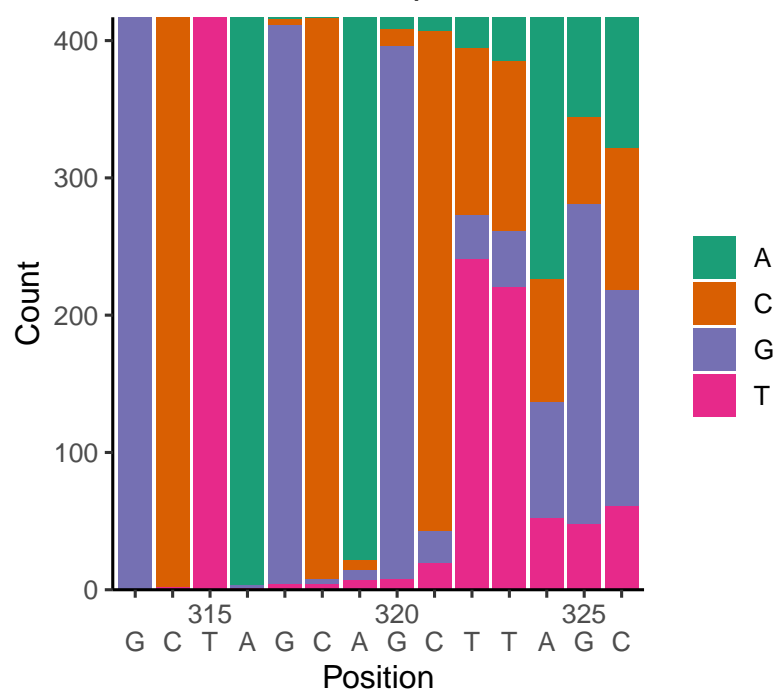


Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-7*ap01_C315T



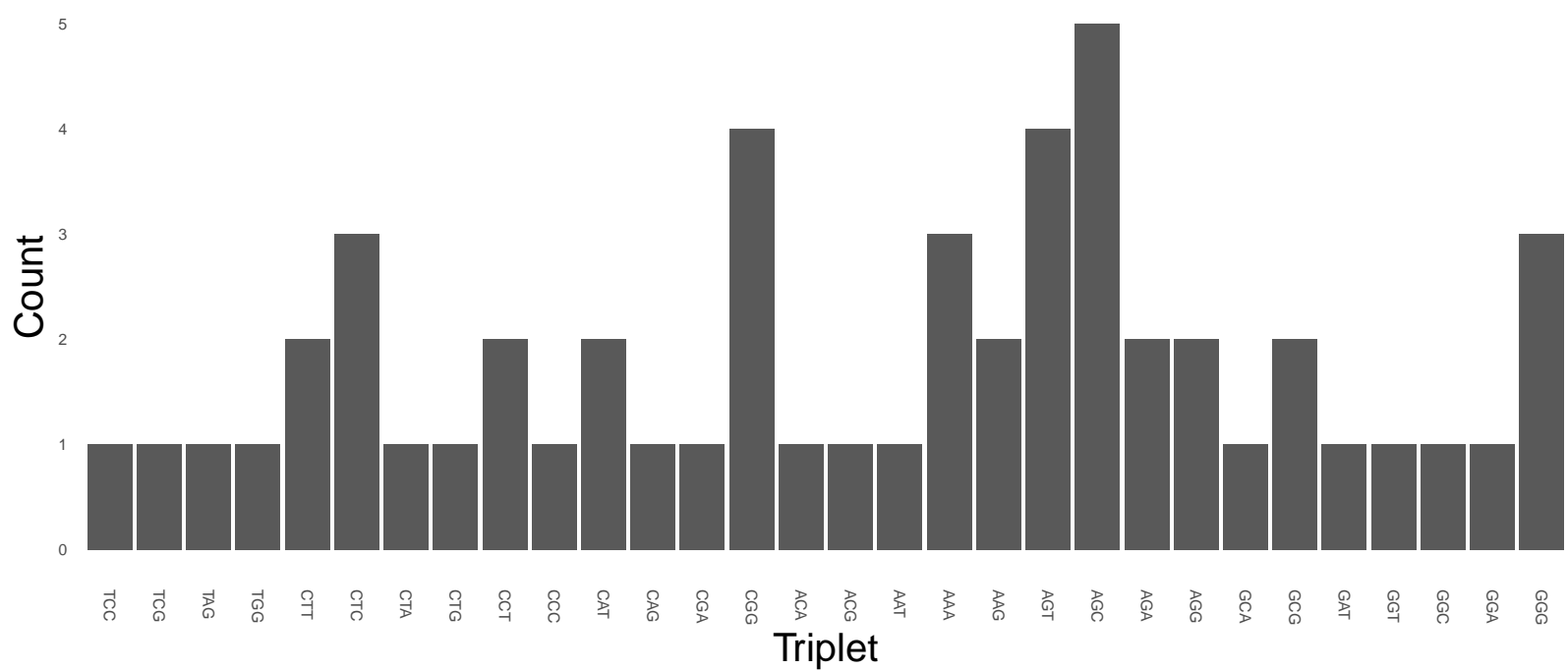
Gene TRBV7-1*ap01_G291C_T296C



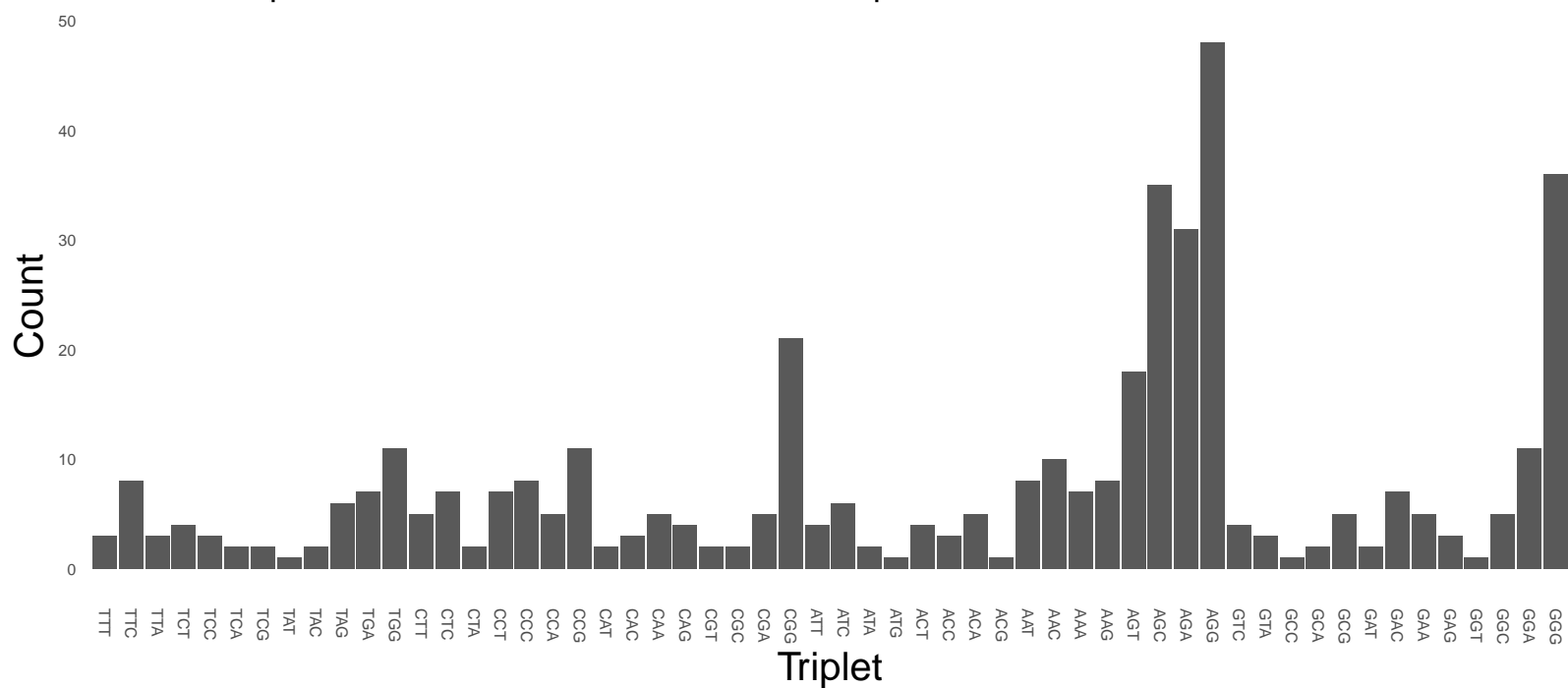
Gene TRBV7-7*ap01_C315T



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

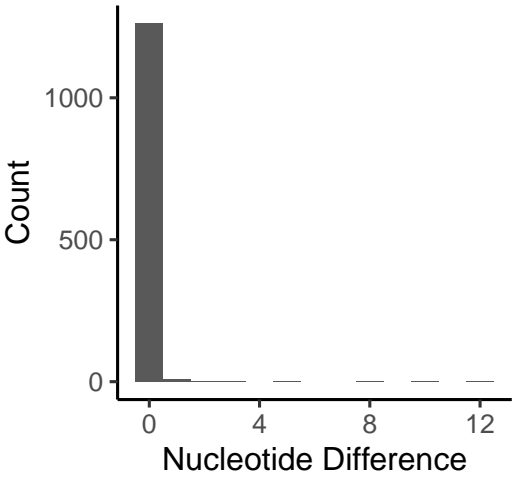


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



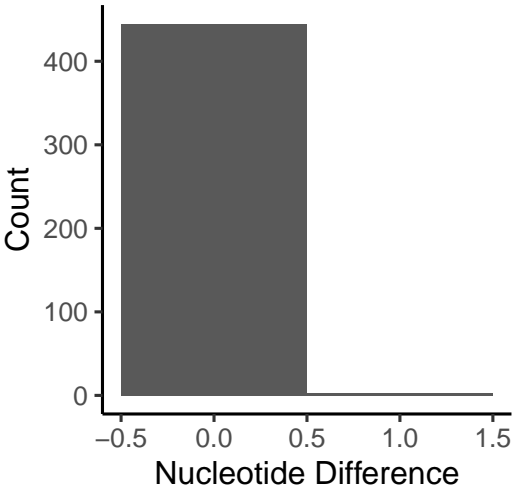
TRBV10-1*ap01

1280 sequences assigned
1262 (98.6%) exact matches, in which:
1237 unique CDR3
13 unique J



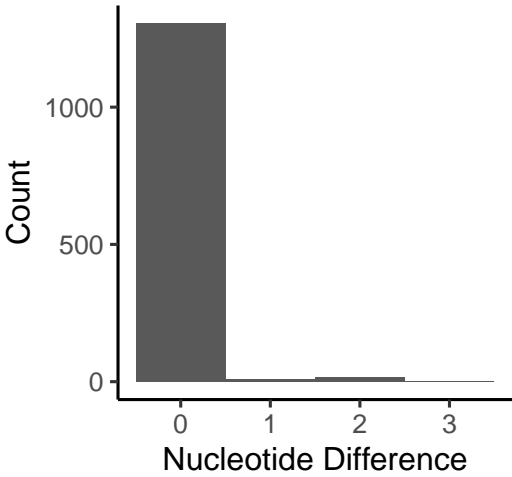
TRBV10-2*ap01

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



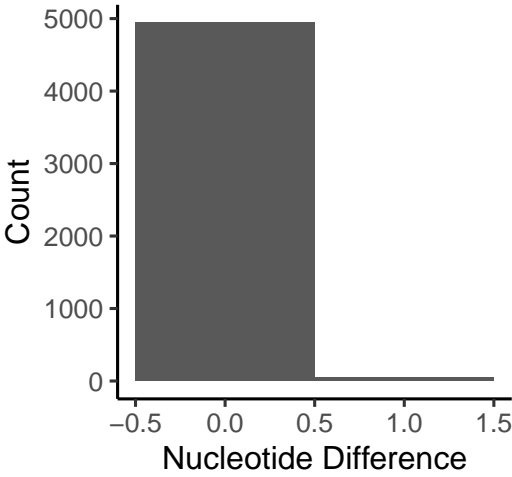
TRBV13*ap01

1331 sequences assigned
1305 (98%) exact matches, in which:
1277 unique CDR3
13 unique J



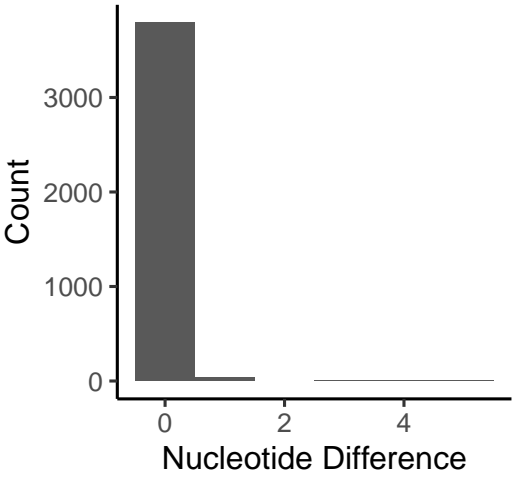
TRBV20-1*ap01

4986 sequences assigned
4943 (99.1%) exact matches, in which:
4887 unique CDR3
13 unique J



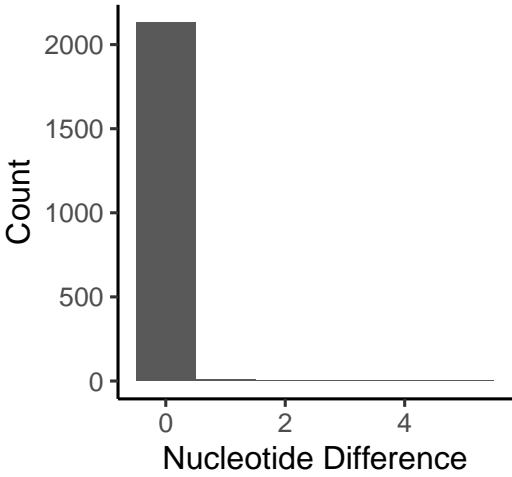
TRBV10-3*ap01

3829 sequences assigned
3791 (99%) exact matches, in which:
3746 unique CDR3
13 unique J



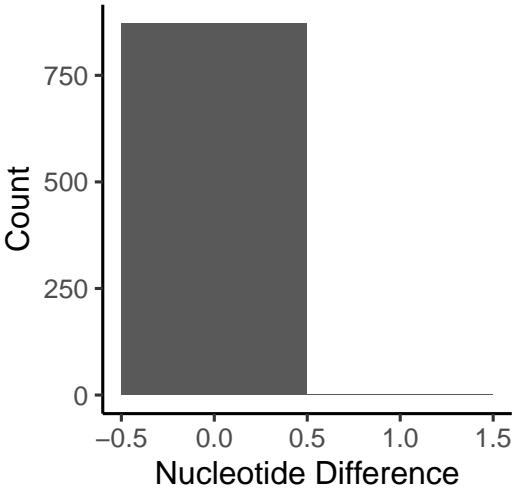
TRBV14*ap01

2146 sequences assigned
2130 (99.3%) exact matches, in which:
2101 unique CDR3
13 unique J



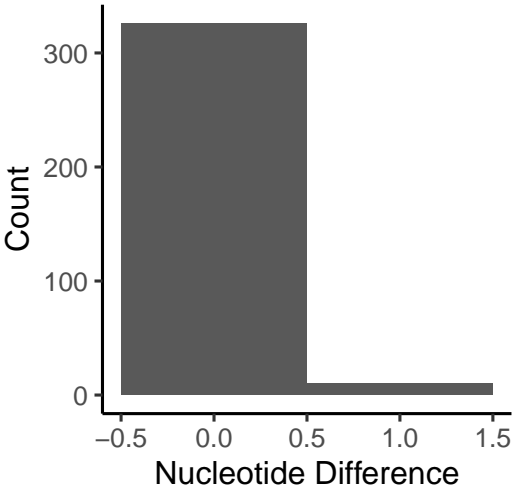
TRBV20-1*ap02

873 sequences assigned
872 (99.9%) exact matches, in which:
864 unique CDR3
13 unique J



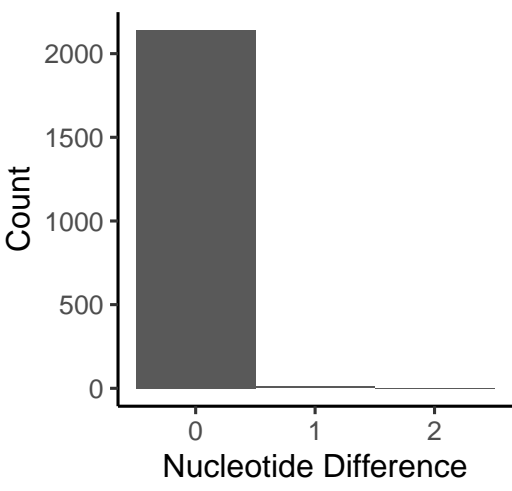
TRBV1*ap01

336 sequences assigned
326 (97%) exact matches, in which:
322 unique CDR3
12 unique J



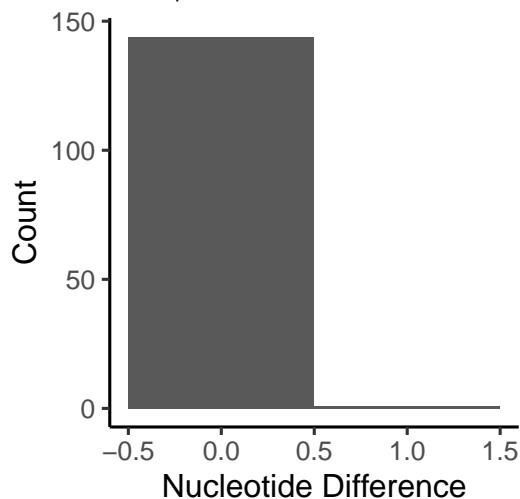
TRBV15*ap02

2153 sequences assigned
2141 (99.4%) exact matches, in which:
2100 unique CDR3
13 unique J



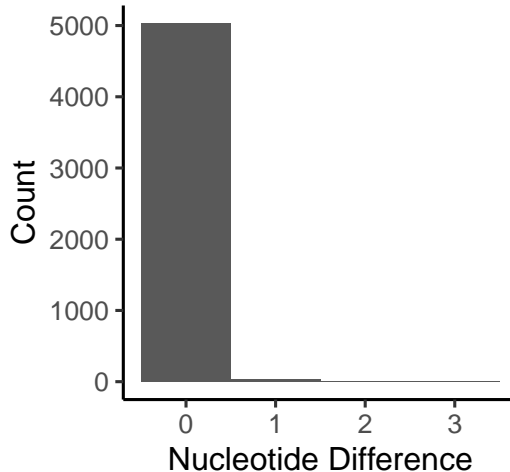
TRBV16*ap01

145 sequences assigned
144 (99.3%) exact matches, in which:
143 unique CDR3
12 unique J



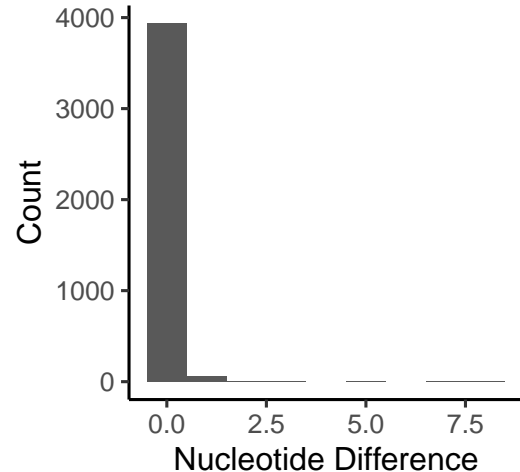
TRBV2*ap01

5073 sequences assigned
5030 (99.2%) exact matches, in which:
4948 unique CDR3
14 unique J



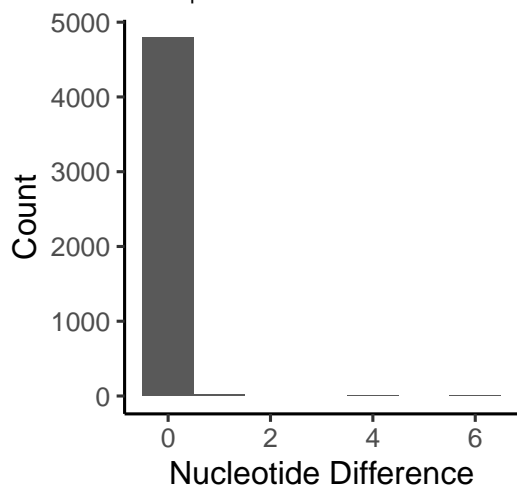
TRBV30*ap01

4008 sequences assigned
3936 (98.2%) exact matches, in which:
3862 unique CDR3
13 unique J



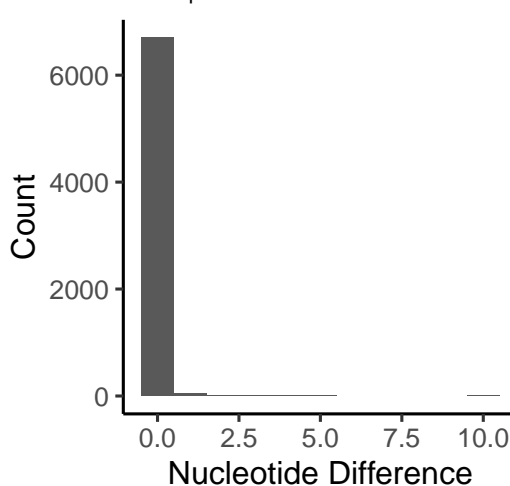
TRBV18*ap01

4812 sequences assigned
4792 (99.6%) exact matches, in which:
4756 unique CDR3
13 unique J



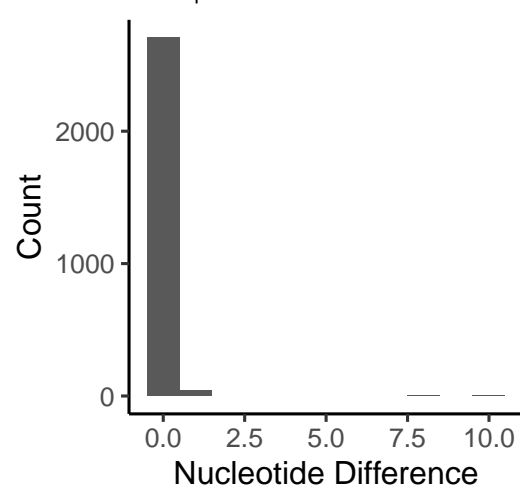
TRBV27*ap01

6756 sequences assigned
6700 (99.2%) exact matches, in which:
6577 unique CDR3
13 unique J



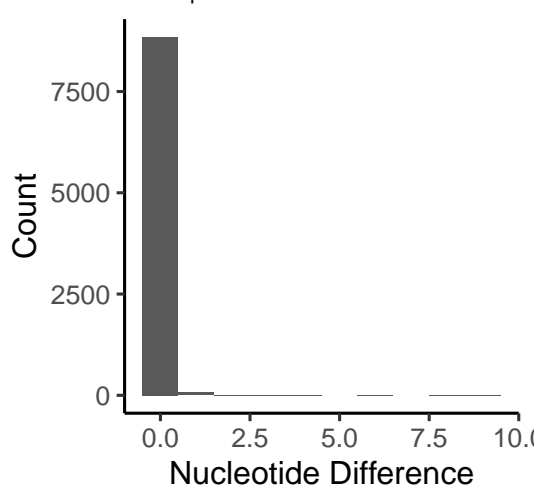
TRBV30*ap02

2748 sequences assigned
2706 (98.5%) exact matches, in which:
2657 unique CDR3
13 unique J



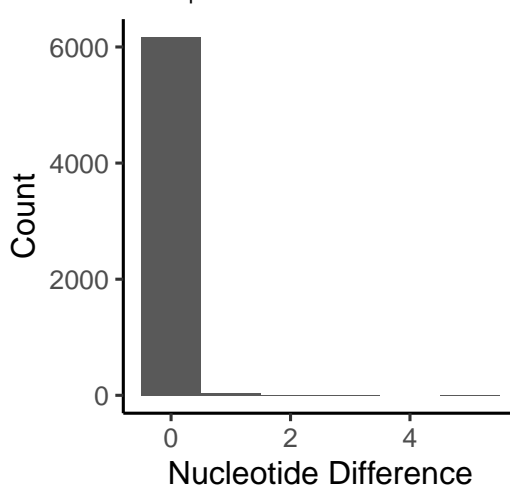
TRBV19*ap01

8924 sequences assigned
8845 (99.1%) exact matches, in which:
8764 unique CDR3
13 unique J



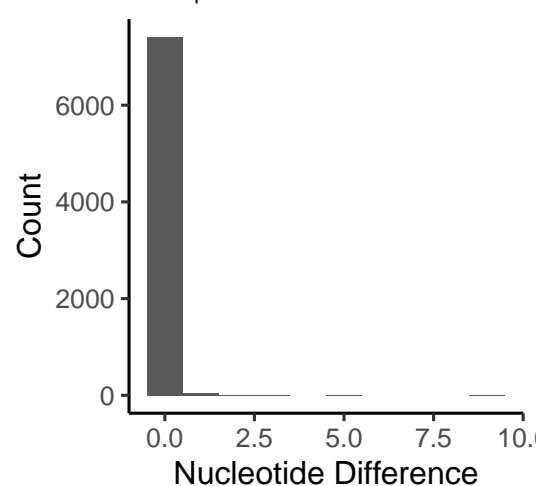
TRBV28*ap01

6220 sequences assigned
6171 (99.2%) exact matches, in which:
6100 unique CDR3
13 unique J



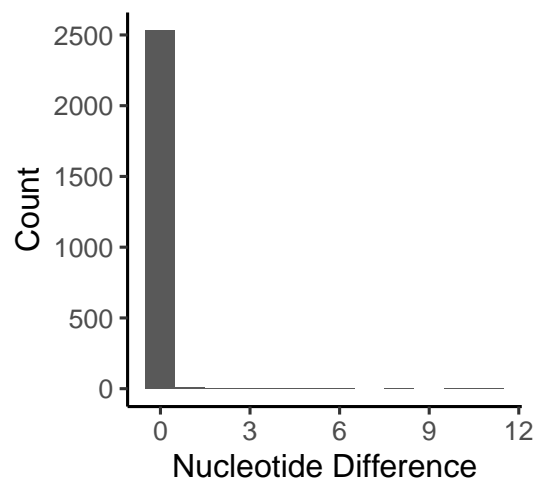
TRBV9*ap01

7464 sequences assigned
7410 (99.3%) exact matches, in which:
7326 unique CDR3
13 unique J



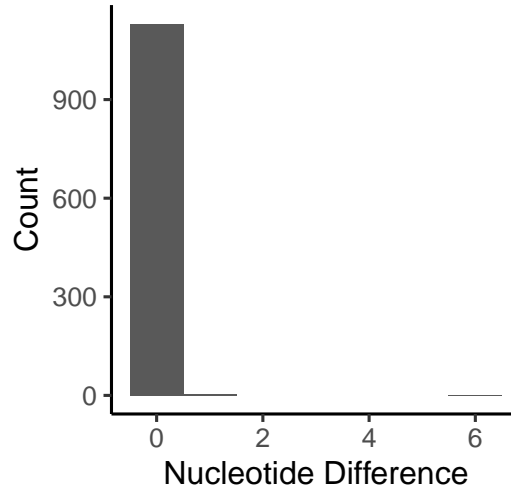
TRBV21-1*ap01

2566 sequences assigned
2532 (98.7%) exact matches, in which:
2513 unique CDR3
13 unique J



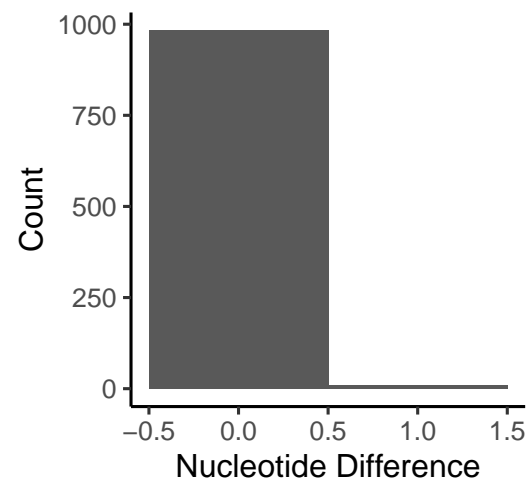
TRBV11-3*ap01

1137 sequences assigned
1131 (99.5%) exact matches, in which:
1120 unique CDR3
13 unique J



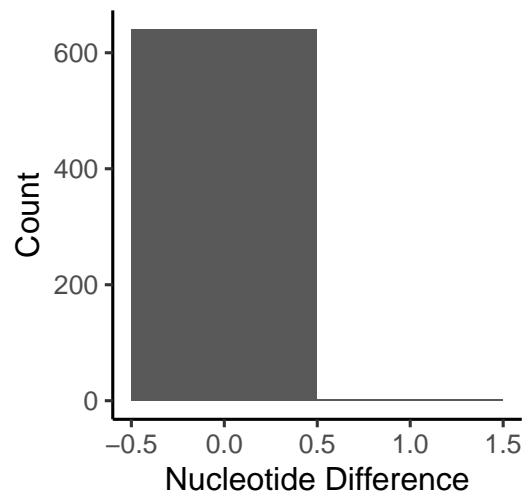
TRBV12-5*ap01

994 sequences assigned
983 (98.9%) exact matches, in which:
971 unique CDR3
13 unique J



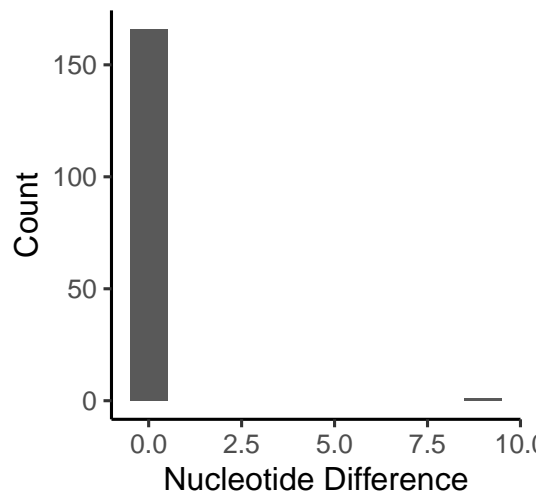
TRBV11-1*ap01

643 sequences assigned
641 (99.7%) exact matches, in which:
638 unique CDR3
13 unique J



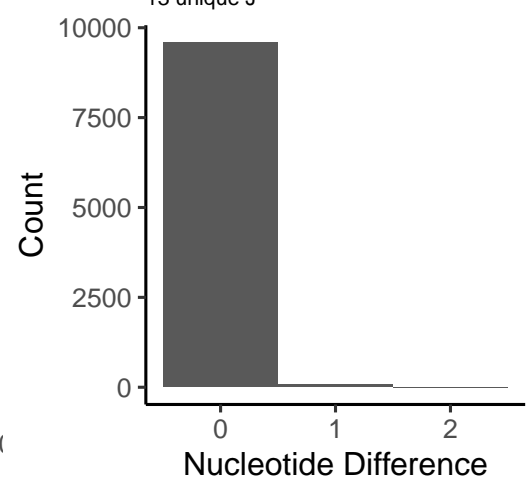
TRBV12-1*ap01

167 sequences assigned
166 (99.4%) exact matches, in which:
163 unique CDR3
13 unique J



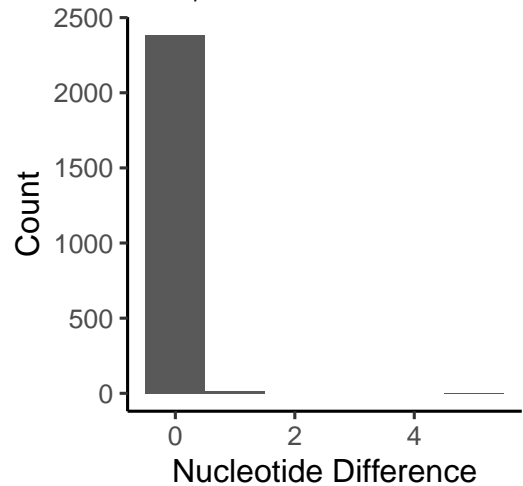
TRBV12-34*ap01

9677 sequences assigned
9590 (99.1%) exact matches, in which:
9431 unique CDR3
13 unique J



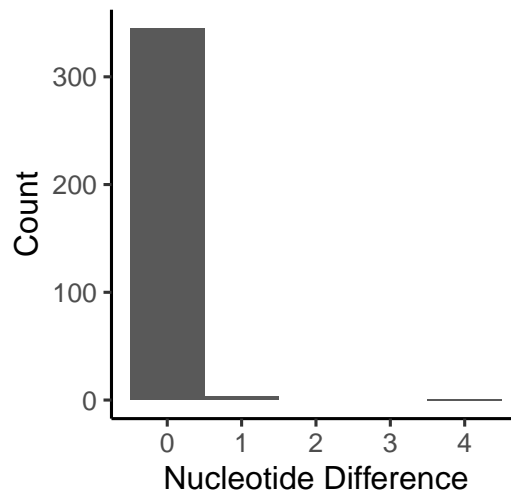
TRBV11-2*ap01

2400 sequences assigned
2384 (99.3%) exact matches, in which:
2372 unique CDR3
13 unique J



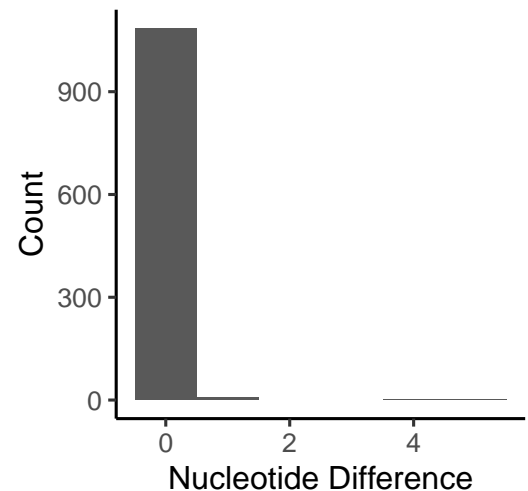
TRBV12-2*ap01

349 sequences assigned
345 (98.9%) exact matches, in which:
341 unique CDR3
13 unique J



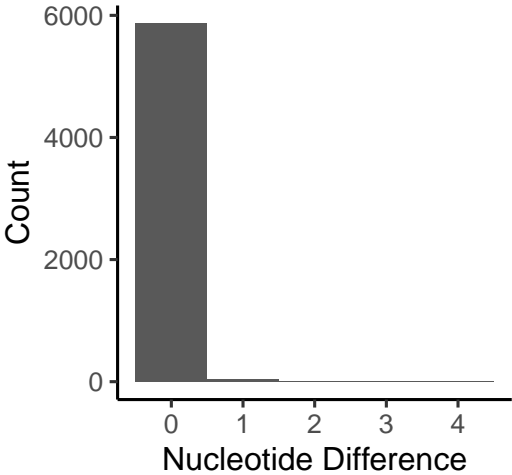
TRBV23-1*ap01

1095 sequences assigned
1085 (99.1%) exact matches, in which:
1072 unique CDR3
13 unique J



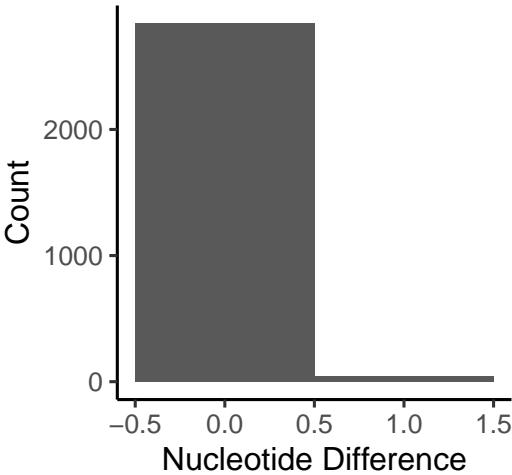
TRBV3-12*ap01

5910 sequences assigned
5868 (99.3%) exact matches, in which:
5828 unique CDR3
13 unique J



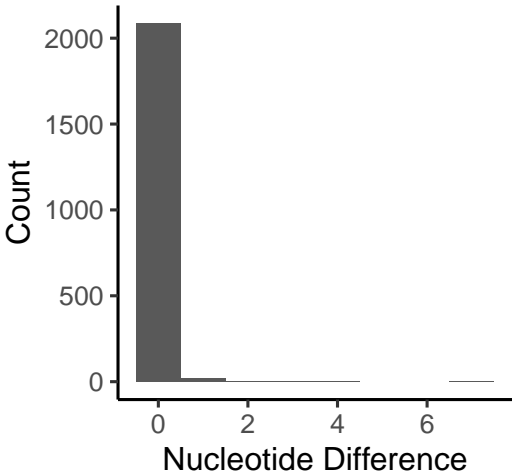
TRBV4-2*ap01

2881 sequences assigned
2841 (98.6%) exact matches, in which:
2793 unique CDR3
13 unique J



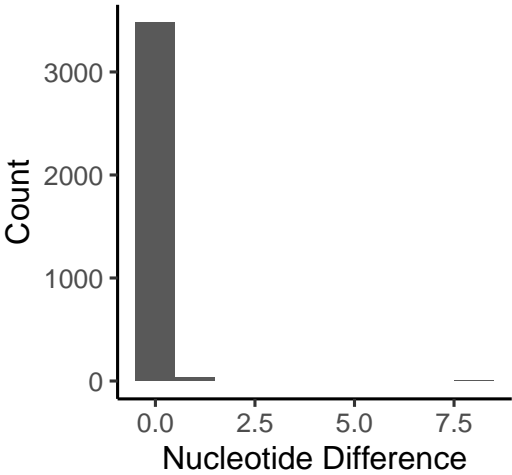
TRBV25-1*ap01

2113 sequences assigned
2086 (98.7%) exact matches, in which:
2037 unique CDR3
13 unique J



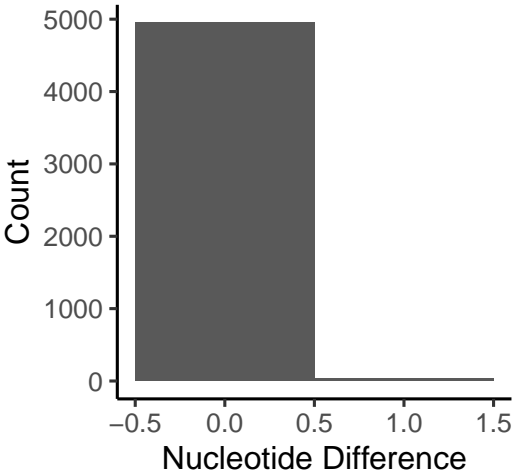
TRBV4-1*ap01

3510 sequences assigned
3478 (99.1%) exact matches, in which:
3414 unique CDR3
13 unique J



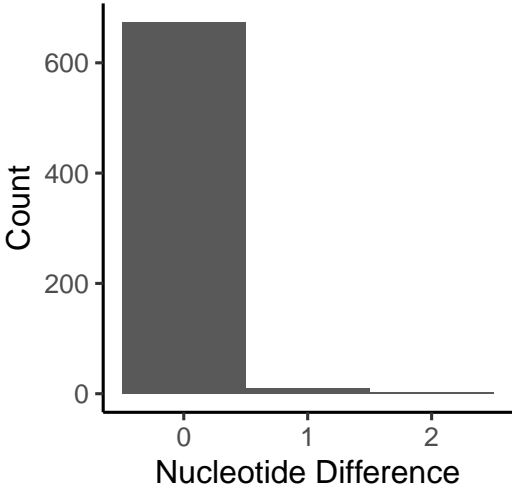
TRBV4-3*ap01

4992 sequences assigned
4951 (99.2%) exact matches, in which:
4847 unique CDR3
13 unique J



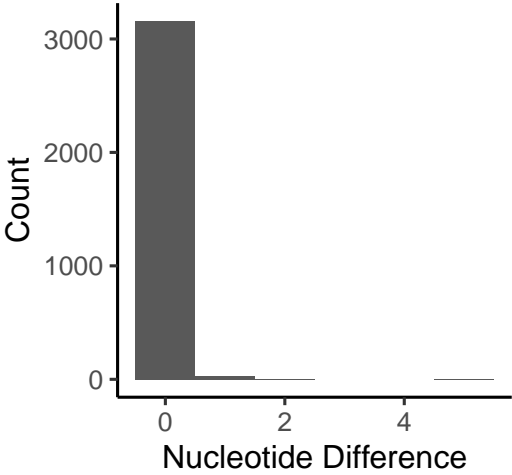
TRBV5-3*ap01

686 sequences assigned
674 (98.3%) exact matches, in which:
658 unique CDR3
13 unique J



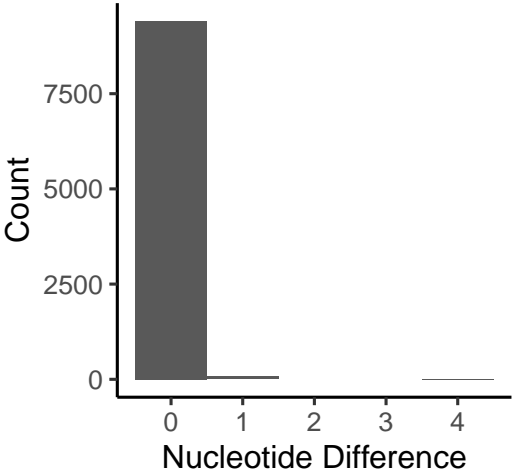
TRBV24-1*ap01

3195 sequences assigned
3158 (98.8%) exact matches, in which:
3110 unique CDR3
13 unique J



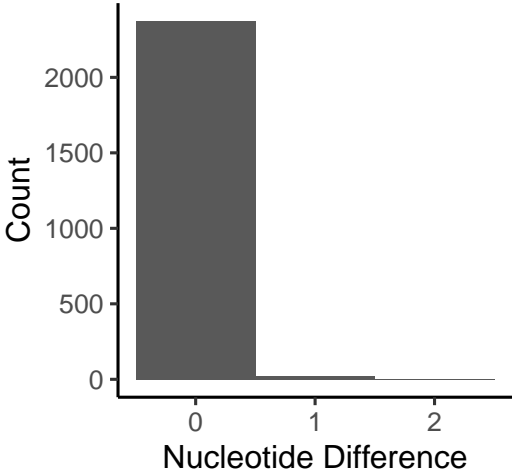
TRBV5-1*ap01

9479 sequences assigned
9407 (99.2%) exact matches, in which:
9203 unique CDR3
13 unique J



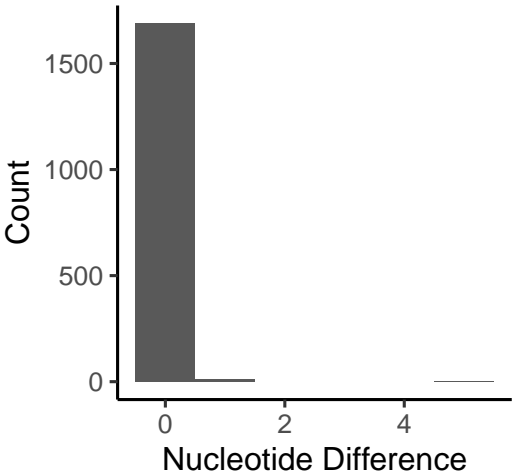
TRBV5-4*ap01

2396 sequences assigned
2373 (99%) exact matches, in which:
2321 unique CDR3
13 unique J



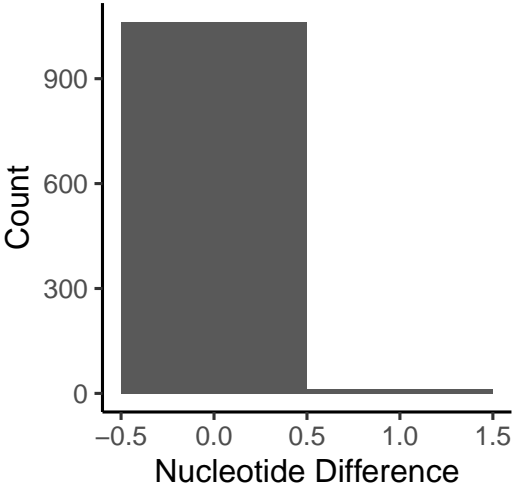
TRBV5-5*ap01

1700 sequences assigned
1689 (99.4%) exact matches, in which:
1673 unique CDR3
13 unique J



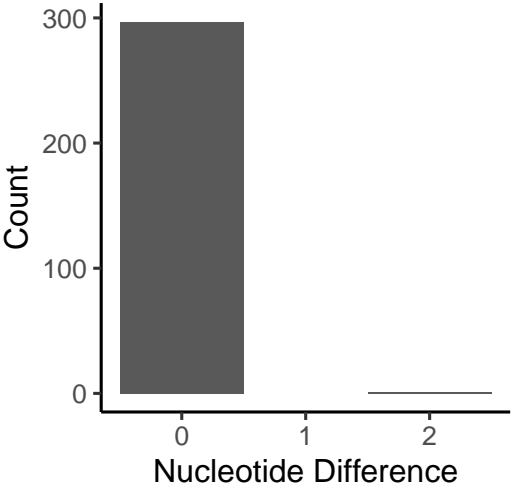
TRBV5-8*ap01

1076 sequences assigned
1063 (98.8%) exact matches, in which:
1055 unique CDR3
13 unique J



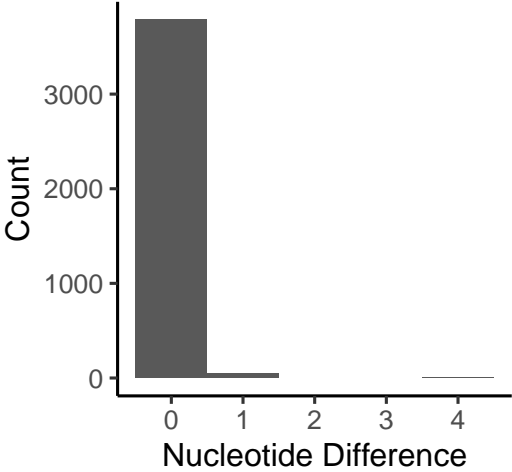
TRBV6-7*ap01

298 sequences assigned
297 (99.7%) exact matches, in which:
291 unique CDR3
13 unique J



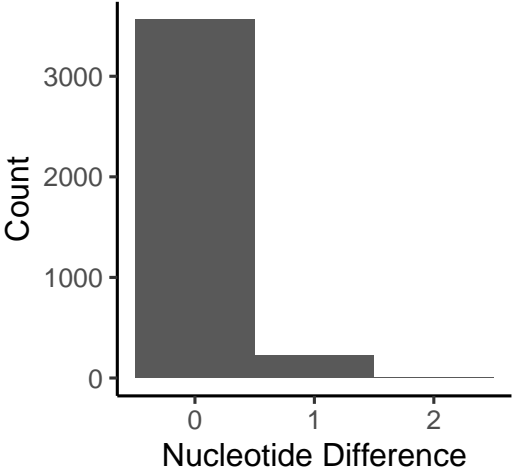
TRBV5-6*ap01

3830 sequences assigned
3786 (98.9%) exact matches, in which:
3701 unique CDR3
13 unique J



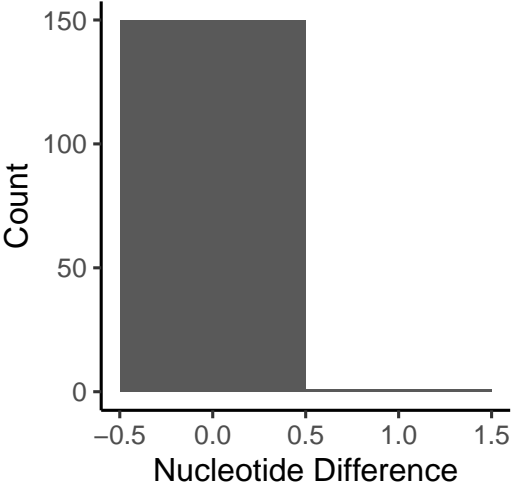
TRBV6-1*ap01

3788 sequences assigned
3562 (94%) exact matches, in which:
3511 unique CDR3
13 unique J



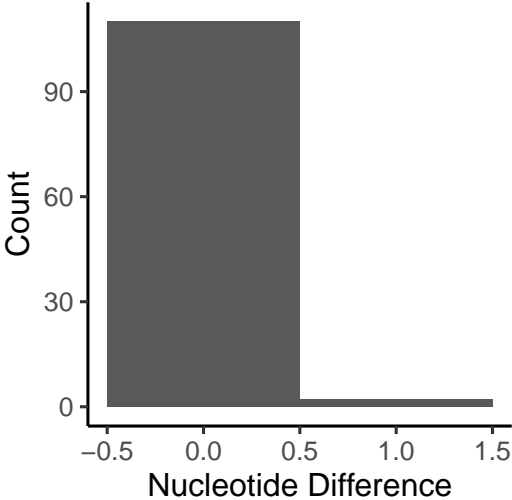
TRBV6-8*ap01

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



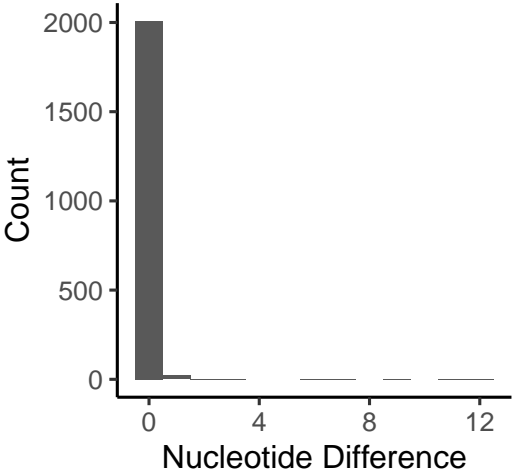
TRBV5-7*ap01

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



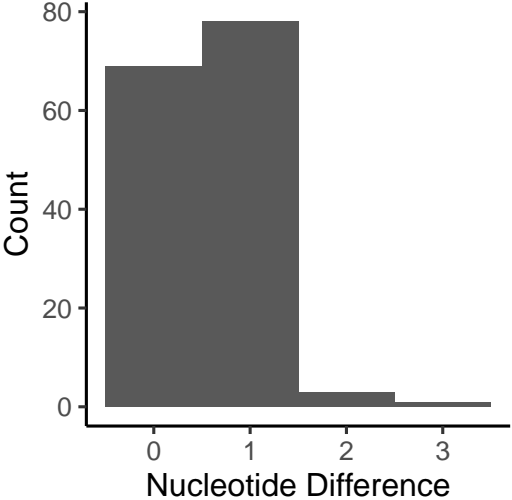
TRBV6-4*ap01

2039 sequences assigned
2008 (98.5%) exact matches, in which:
1980 unique CDR3
13 unique J



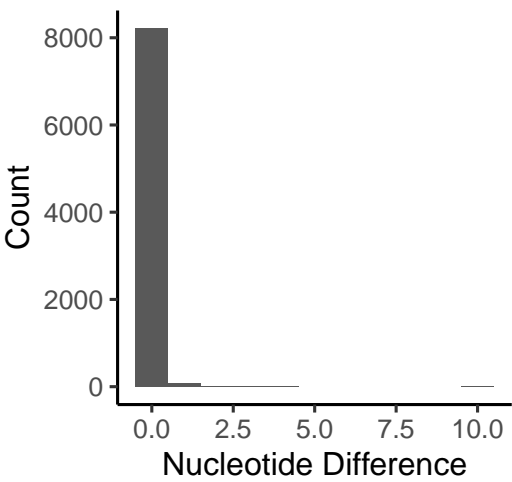
TRBV6-9*ap01

151 sequences assigned
69 (45.7%) exact matches, in which:
68 unique CDR3
12 unique J



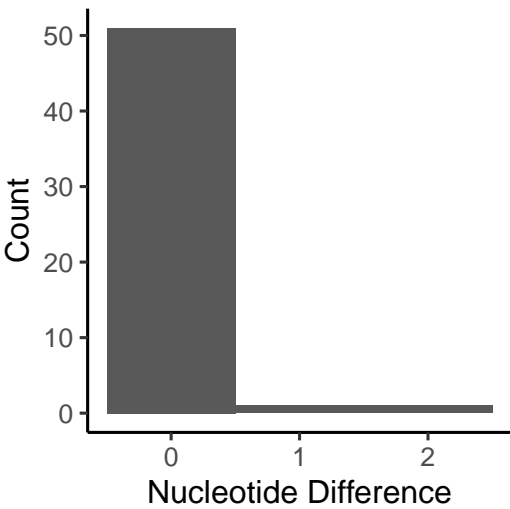
TRBV6-23*ap01

8314 sequences assigned
8214 (98.8%) exact matches, in which:
7986 unique CDR3
13 unique J



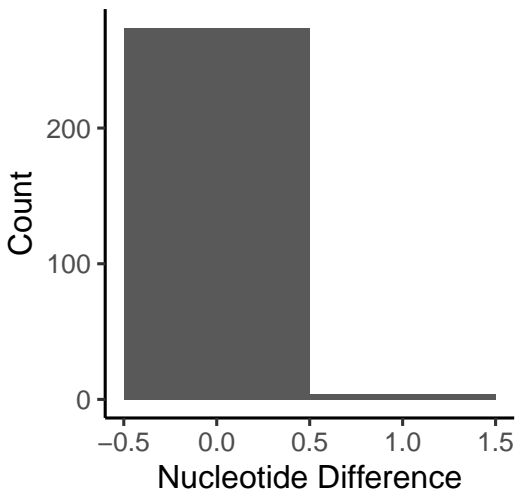
TRBV7-1*ap01_G291C_T

53 sequences assigned
51 (96.2%) exact matches, in which:
50 unique CDR3
10 unique J



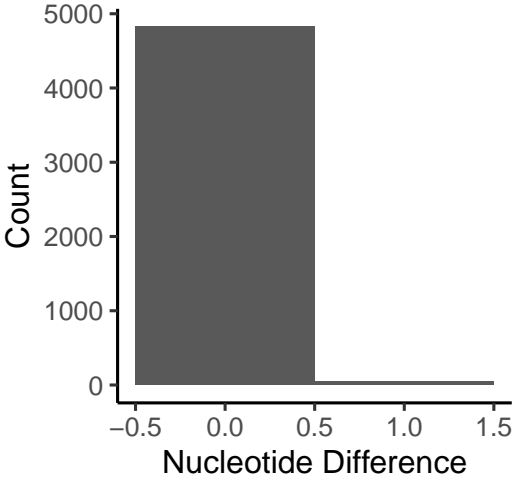
TRBV7-4*ap01

278 sequences assigned
274 (98.6%) exact matches, in which:
269 unique CDR3
13 unique J



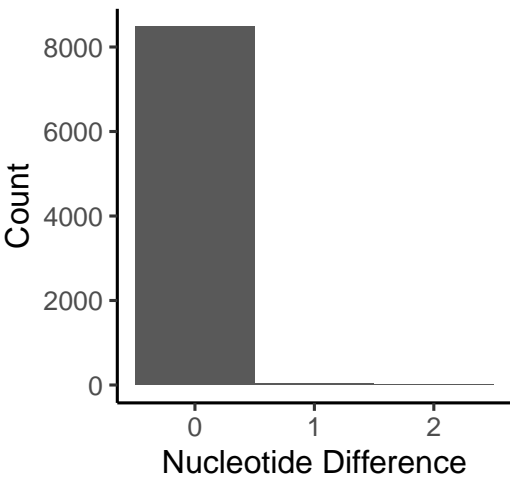
TRBV6-56*ap01

4875 sequences assigned
4825 (99%) exact matches, in which:
4721 unique CDR3
13 unique J



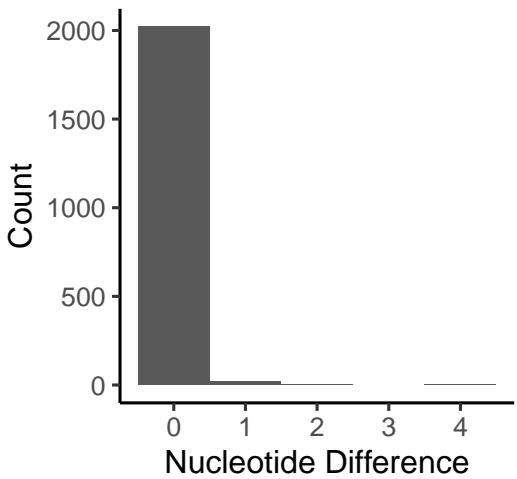
TRBV7-2*ap01

8526 sequences assigned
8480 (99.5%) exact matches, in which:
8377 unique CDR3
13 unique J



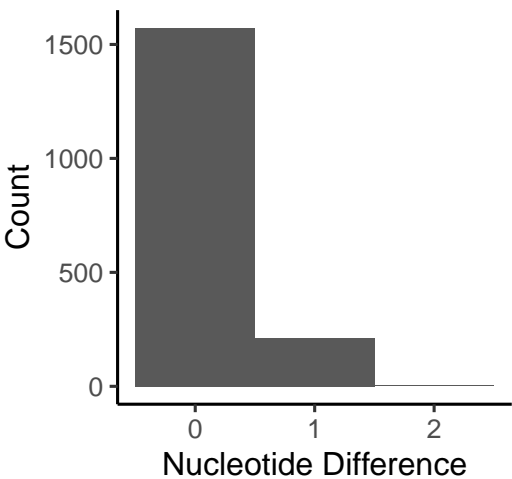
TRBV7-6*ap01

2040 sequences assigned
2021 (99.1%) exact matches, in which:
1985 unique CDR3
13 unique J



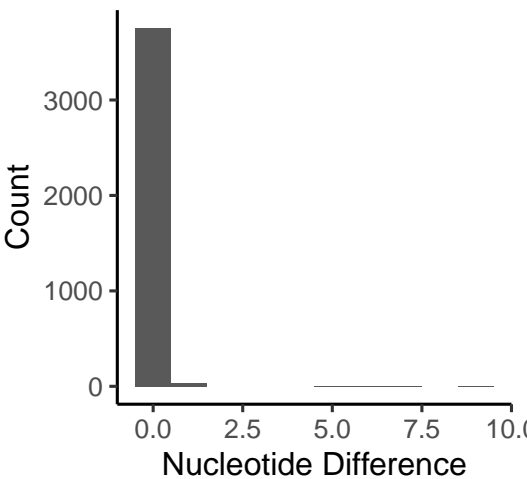
TRBV6-56*ap02

1787 sequences assigned
1572 (88%) exact matches, in which:
1524 unique CDR3
13 unique J



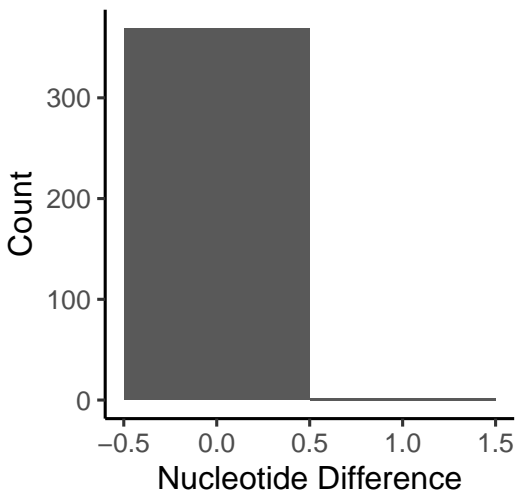
TRBV7-3*ap01

3793 sequences assigned
3754 (99%) exact matches, in which:
3722 unique CDR3
13 unique J



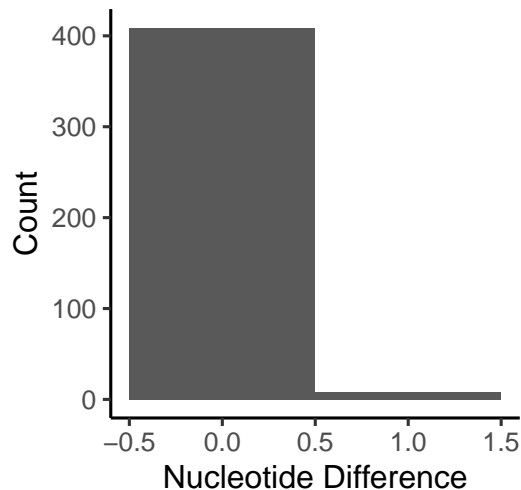
TRBV7-7*ap01

371 sequences assigned
369 (99.5%) exact matches, in which:
366 unique CDR3
13 unique J



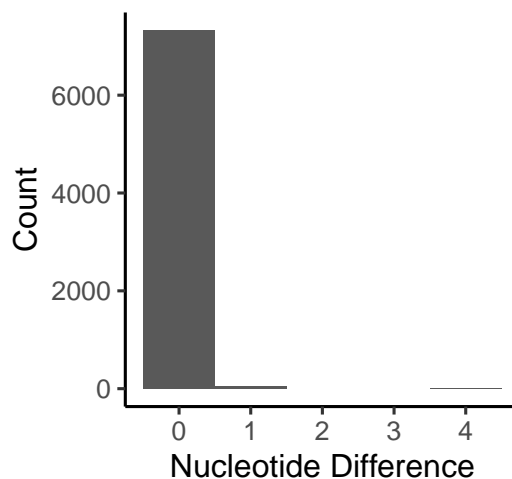
TRBV7-7*ap01_C315T

417 sequences assigned
409 (98.1%) exact matches, in which:
402 unique CDR3
13 unique J



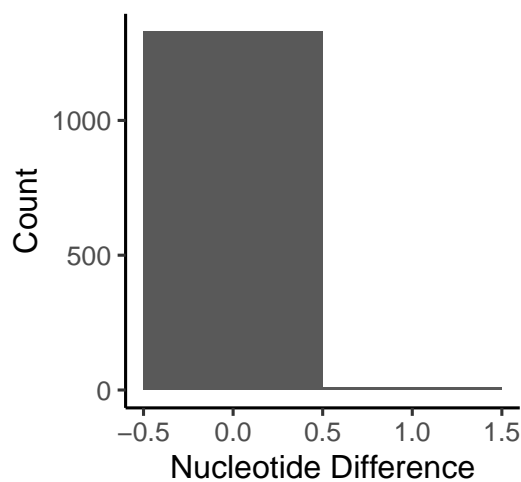
TRBV7-9*ap01

7378 sequences assigned
7324 (99.3%) exact matches, in which:
7228 unique CDR3
13 unique J



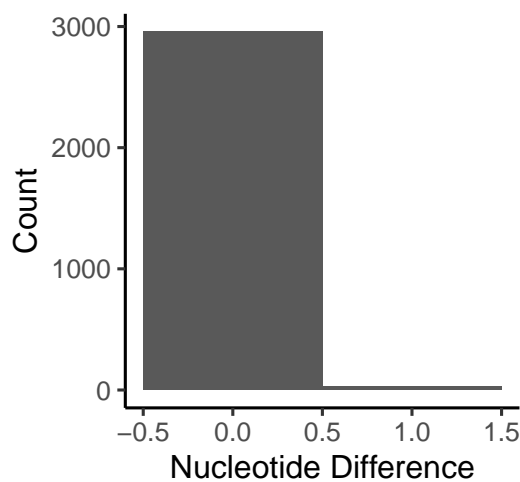
TRBV7-8*ap01

1340 sequences assigned
1329 (99.2%) exact matches, in which:
1314 unique CDR3
13 unique J



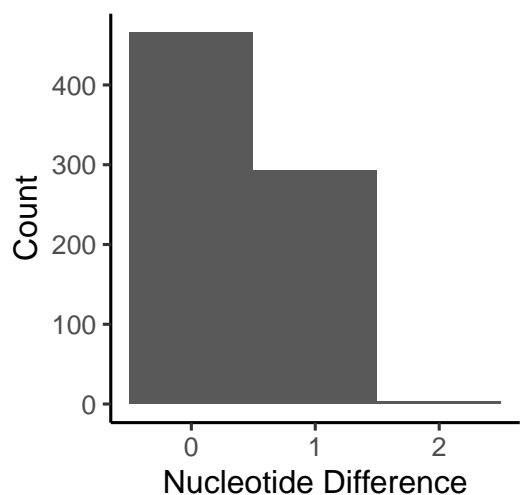
TRBV29-1*ap01

2990 sequences assigned
2957 (98.9%) exact matches, in which:
2891 unique CDR3
13 unique J



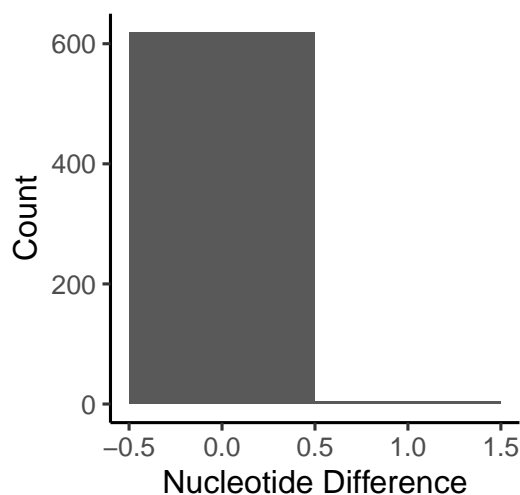
TRBV7-8*ap03

762 sequences assigned
466 (61.2%) exact matches, in which:
459 unique CDR3
13 unique J

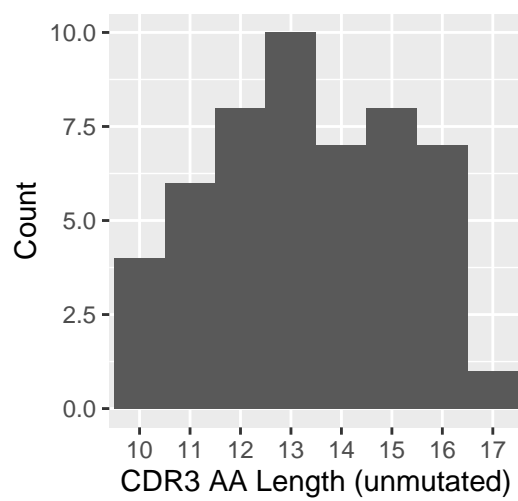


TRBV29-1*ap02

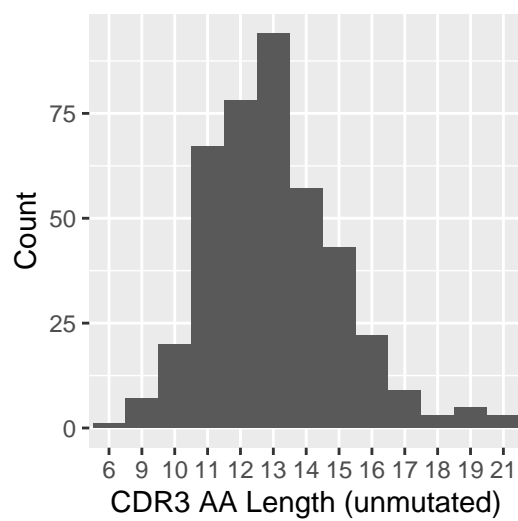
623 sequences assigned
619 (99.4%) exact matches, in which:
601 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]