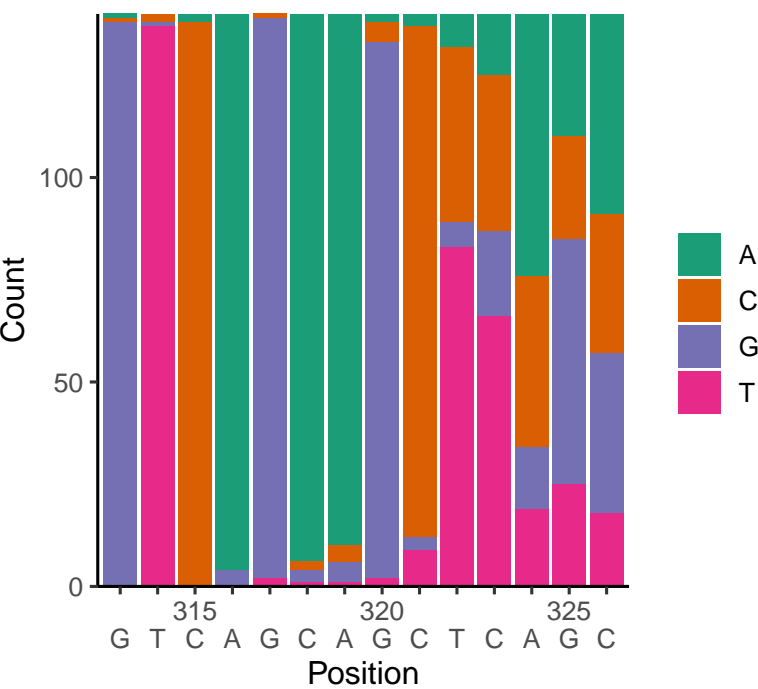
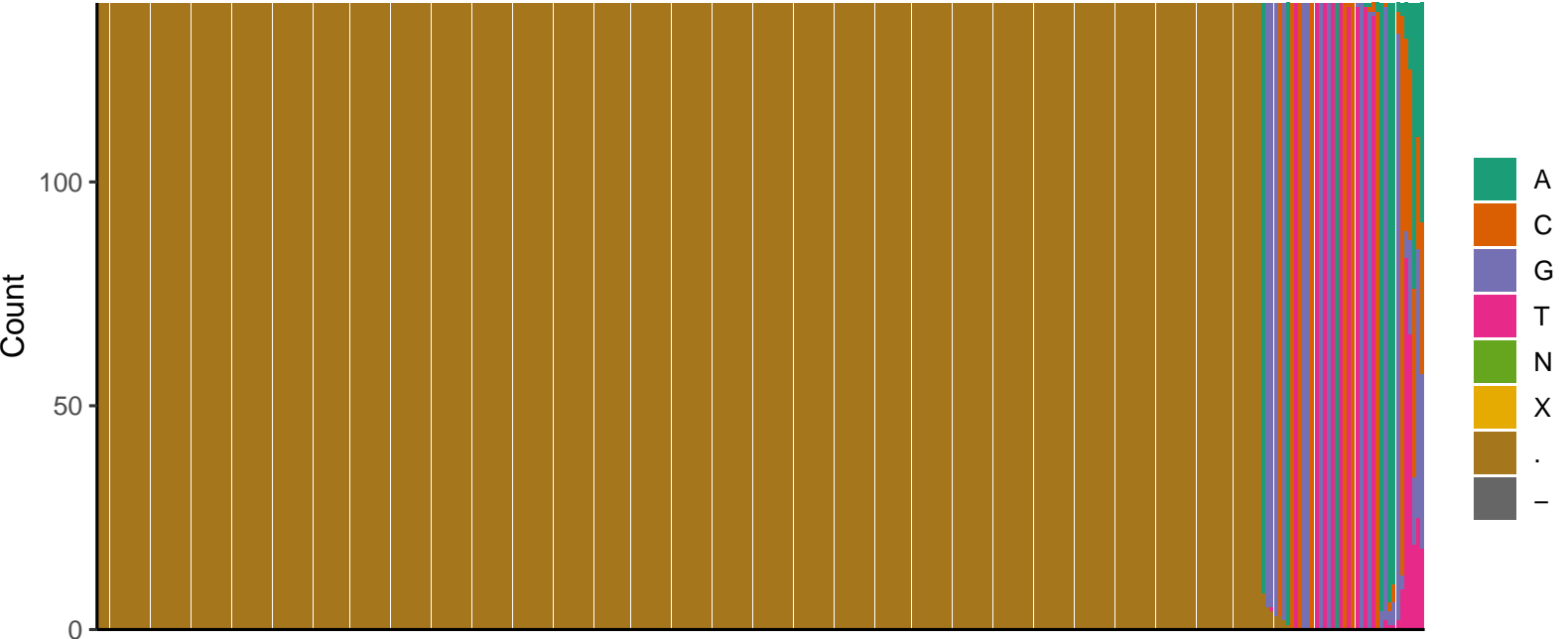


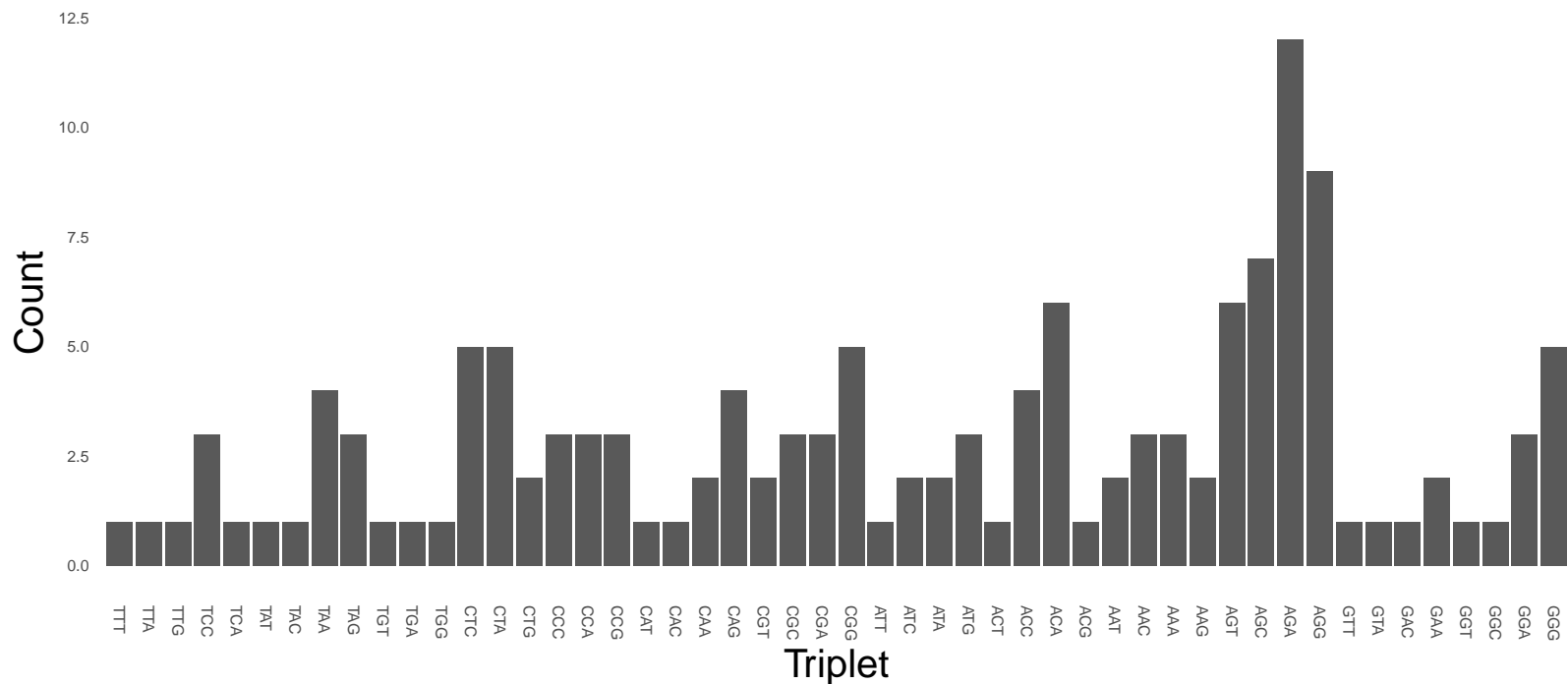
Gene TRBV7-1*ap01_G291C_T296C_C314T



Gene TRBV7-1*ap01_G291C_T296C_C314T

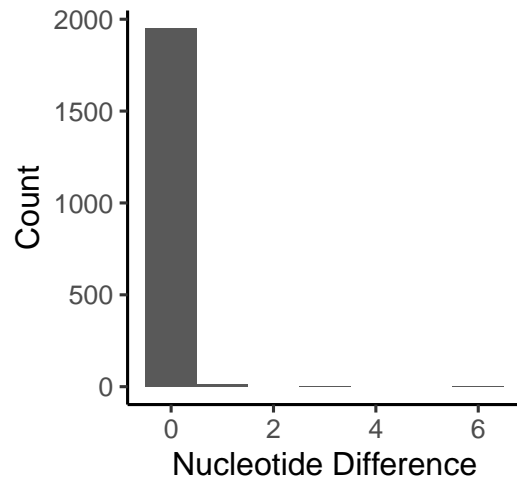


TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



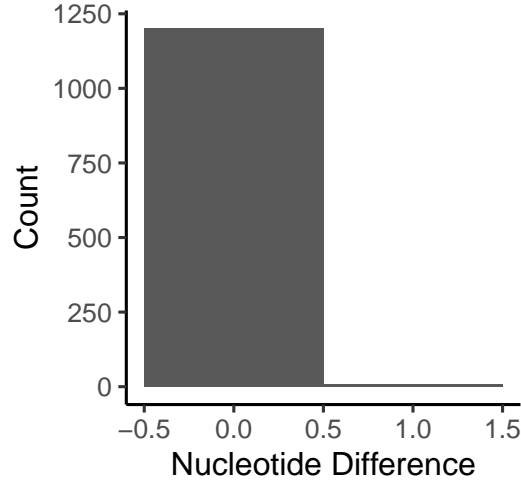
TRBV10-1*ap01

1967 sequences assigned
1950 (99.1%) exact matches, in which:
1930 unique CDR3
13 unique J



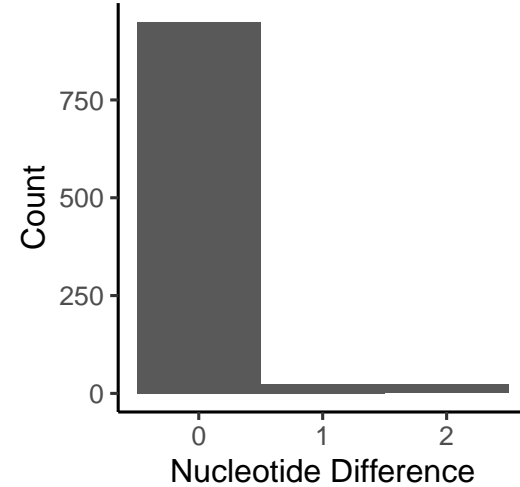
TRBV10-2*ap01

1208 sequences assigned
1201 (99.4%) exact matches, in which:
1192 unique CDR3
13 unique J



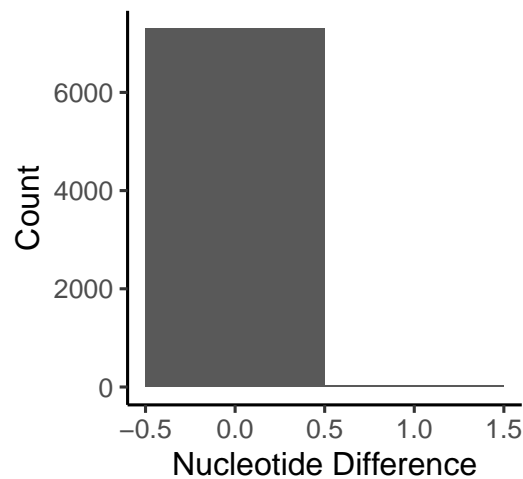
TRBV13*ap01

997 sequences assigned
950 (95.3%) exact matches, in which:
932 unique CDR3
13 unique J



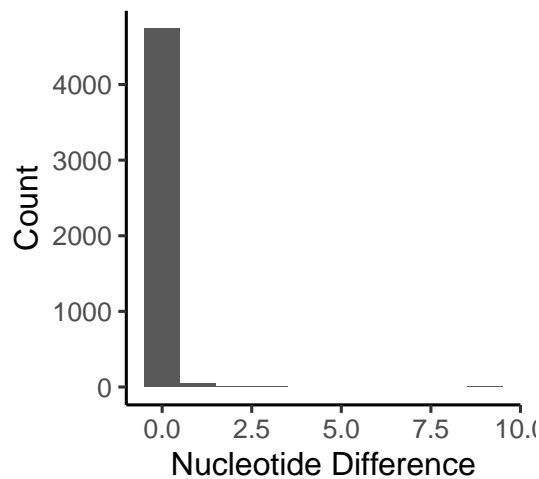
TRBV20-1*ap01

7322 sequences assigned
7297 (99.7%) exact matches, in which:
7261 unique CDR3
13 unique J



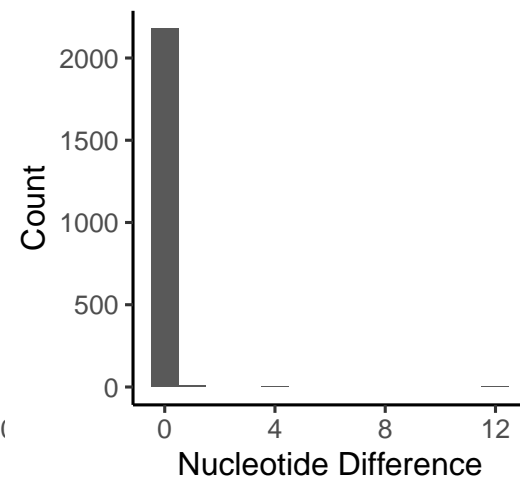
TRBV10-3*ap01

4785 sequences assigned
4738 (99%) exact matches, in which:
4693 unique CDR3
13 unique J



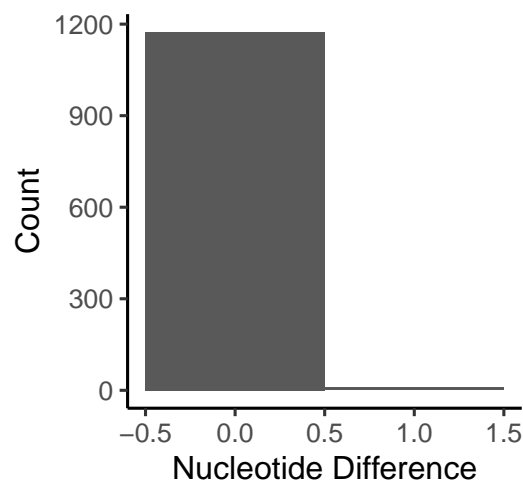
TRBV14*ap01

2190 sequences assigned
2178 (99.5%) exact matches, in which:
2157 unique CDR3
13 unique J



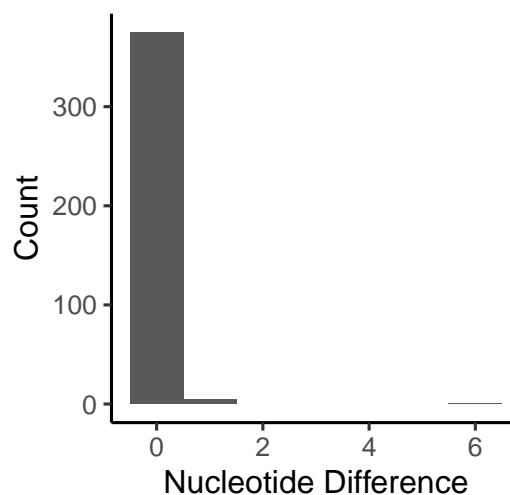
TRBV20-1*ap02

1183 sequences assigned
1174 (99.2%) exact matches, in which:
1171 unique CDR3
13 unique J



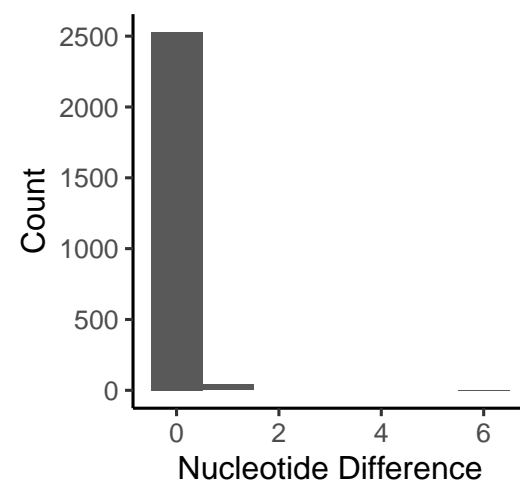
TRBV1*ap01

381 sequences assigned
375 (98.4%) exact matches, in which:
366 unique CDR3
13 unique J



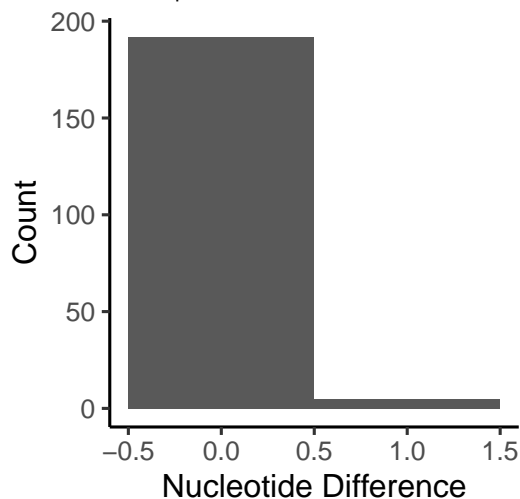
TRBV15*ap02

2571 sequences assigned
2529 (98.4%) exact matches, in which:
2493 unique CDR3
13 unique J



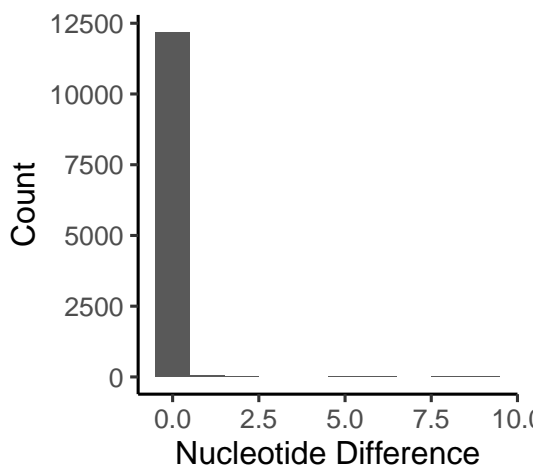
TRBV16*ap01

197 sequences assigned
192 (97.5%) exact matches, in which:
192 unique CDR3
13 unique J



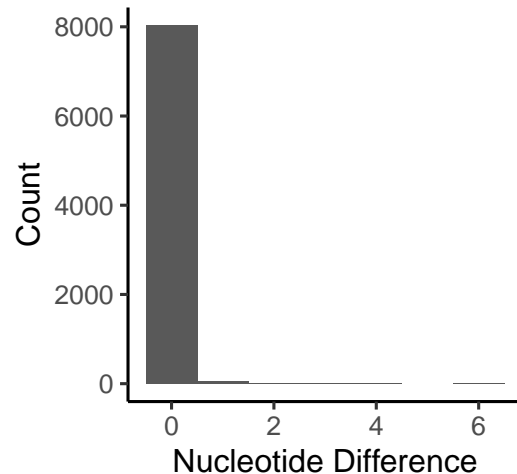
TRBV19*ap01

12257 sequences assigned
12185 (99.4%) exact matches, in which:
12132 unique CDR3
13 unique J



TRBV27*ap01

8087 sequences assigned
8031 (99.3%) exact matches, in which:
7948 unique CDR3
13 unique J



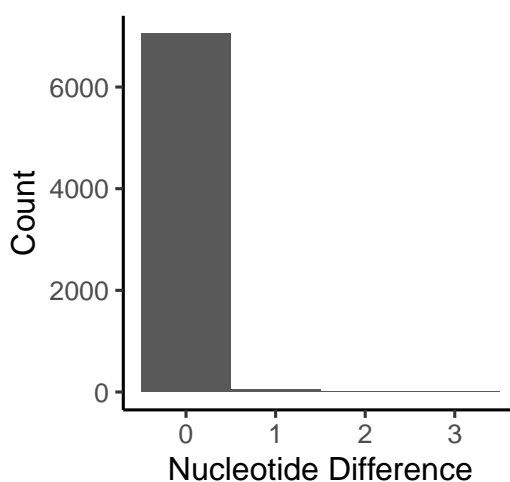
TRBV17*ap01

1 sequences assigned
No exact matches.



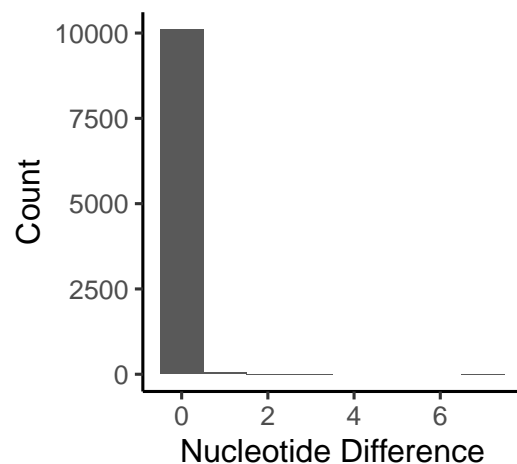
TRBV2*ap01

7093 sequences assigned
7049 (99.4%) exact matches, in which:
6985 unique CDR3
13 unique J



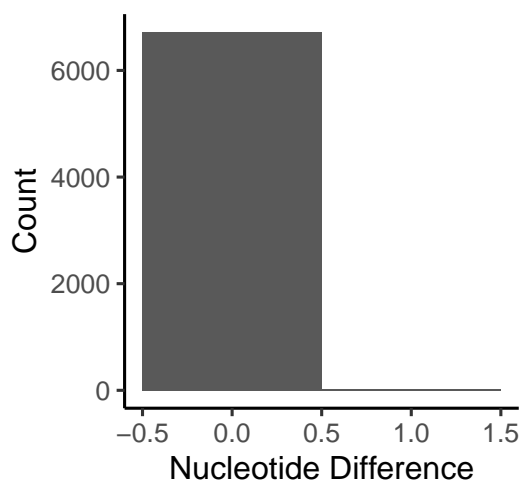
TRBV28*ap01

10165 sequences assigned
10105 (99.4%) exact matches, in which:
10015 unique CDR3
13 unique J



TRBV18*ap01

6739 sequences assigned
6720 (99.7%) exact matches, in which:
6682 unique CDR3
13 unique J



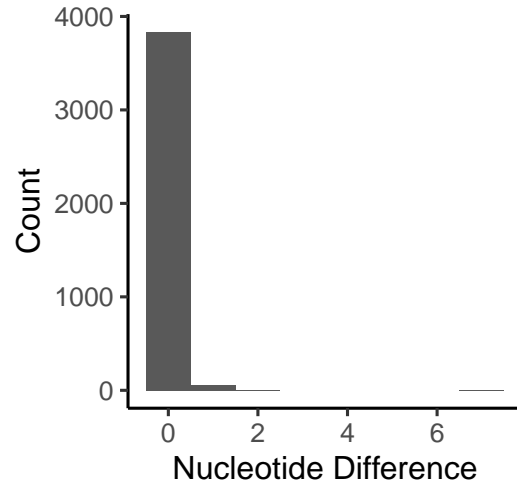
TRBV26*ap01

1 sequences assigned
1 (100%) exact matches, in which:
1 unique CDR3
1 unique J



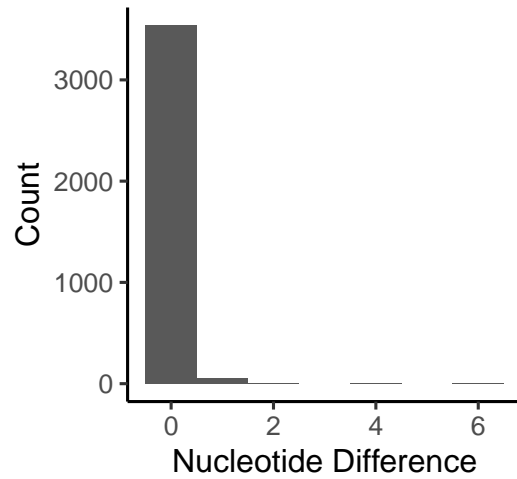
TRBV30*ap01

3895 sequences assigned
3833 (98.4%) exact matches, in which:
3750 unique CDR3
13 unique J



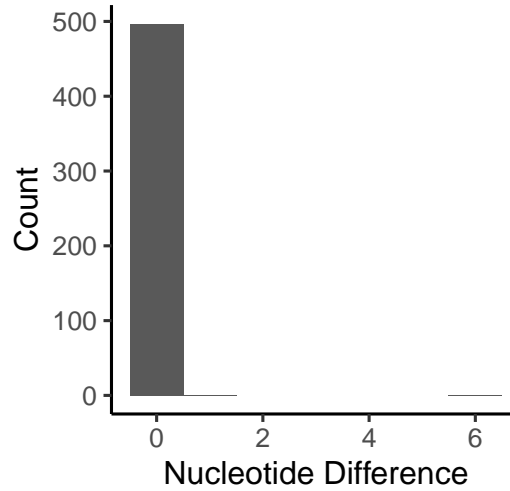
TRBV30*ap02

3595 sequences assigned
3538 (98.4%) exact matches, in which:
3484 unique CDR3
13 unique J



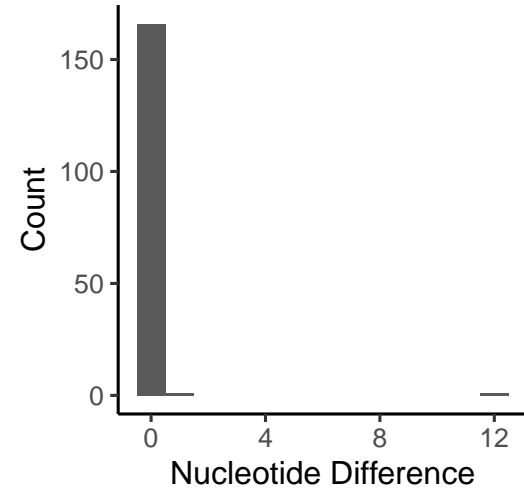
TRBV11-1*ap01

499 sequences assigned
497 (99.6%) exact matches, in which:
493 unique CDR3
13 unique J



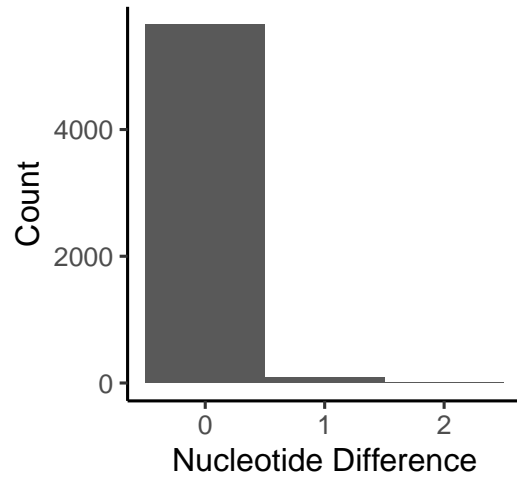
TRBV12-1*ap01

168 sequences assigned
166 (98.8%) exact matches, in which:
165 unique CDR3
13 unique J



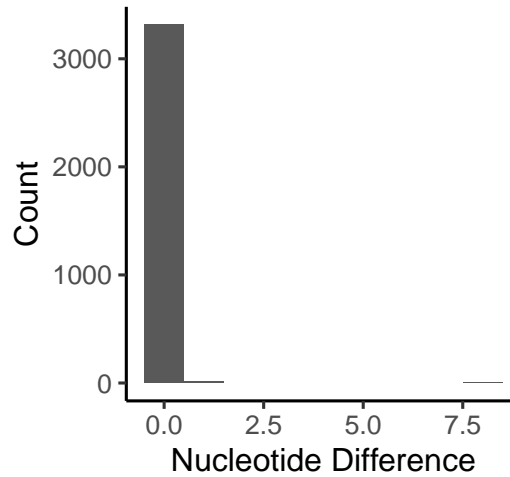
TRBV9*ap01

5741 sequences assigned
5654 (98.5%) exact matches, in which:
5623 unique CDR3
13 unique J



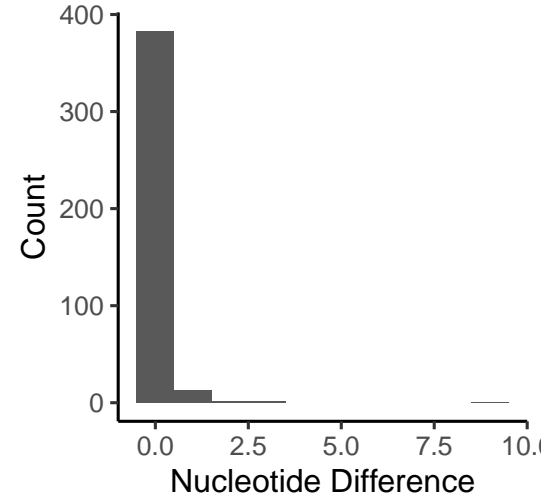
TRBV11-2*ap01

3328 sequences assigned
3315 (99.6%) exact matches, in which:
3308 unique CDR3
13 unique J



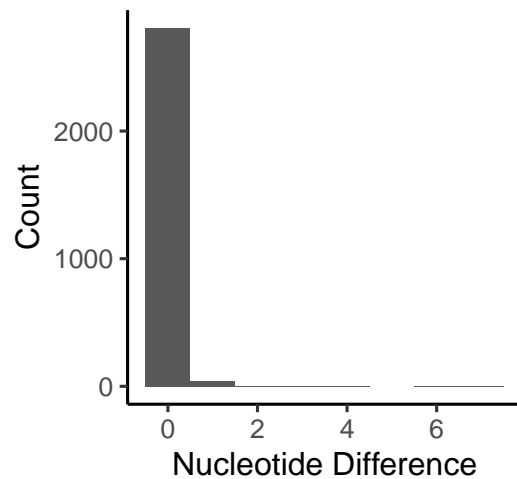
TRBV12-2*ap01

401 sequences assigned
383 (95.5%) exact matches, in which:
381 unique CDR3
13 unique J



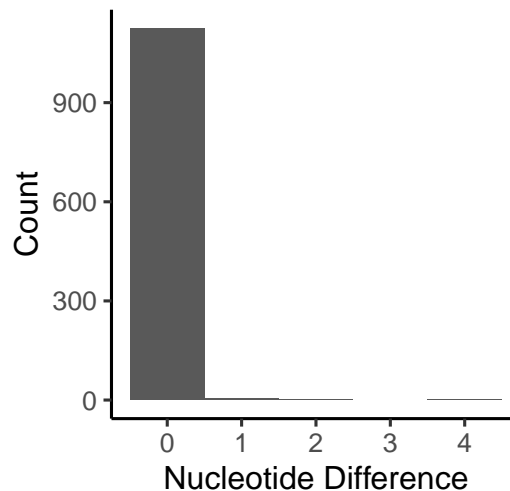
TRBV21-1*ap01

2857 sequences assigned
2807 (98.2%) exact matches, in which:
2794 unique CDR3
13 unique J



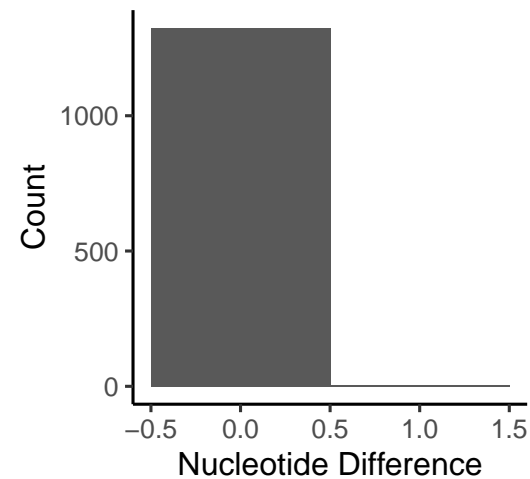
TRBV11-3*ap01

1131 sequences assigned
1125 (99.5%) exact matches, in which:
1121 unique CDR3
13 unique J



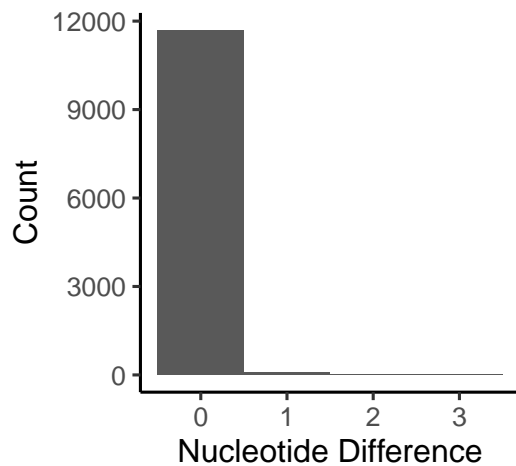
TRBV12-5*ap01

1329 sequences assigned
1324 (99.6%) exact matches, in which:
1309 unique CDR3
13 unique J



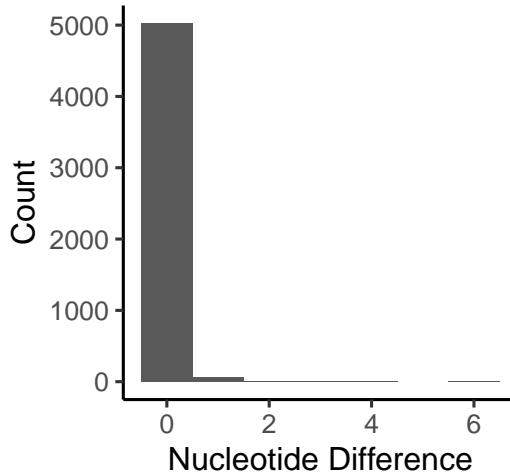
TRBV12–34*ap01

11801 sequences assigned
11694 (99.1%) exact matches, in which:
11569 unique CDR3
13 unique J



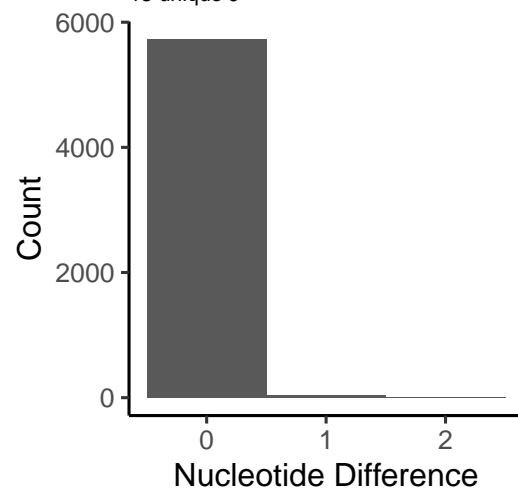
TRBV24–1*ap01

5089 sequences assigned
5024 (98.7%) exact matches, in which:
4960 unique CDR3
13 unique J



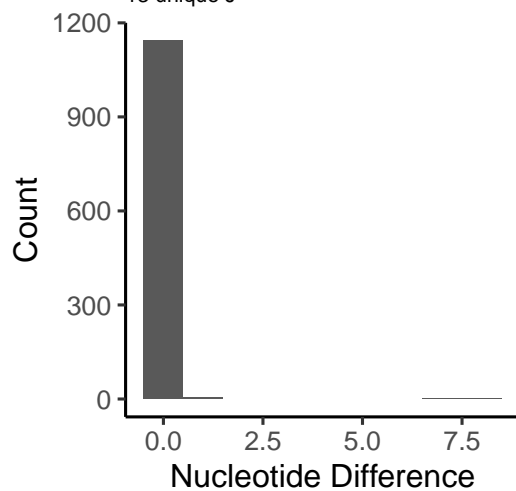
TRBV4–3*ap01

5773 sequences assigned
5725 (99.2%) exact matches, in which:
5675 unique CDR3
13 unique J



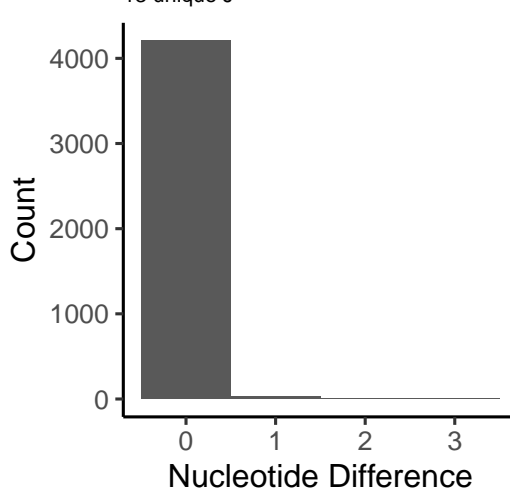
TRBV23–1*ap01

1151 sequences assigned
1143 (99.3%) exact matches, in which:
1134 unique CDR3
13 unique J



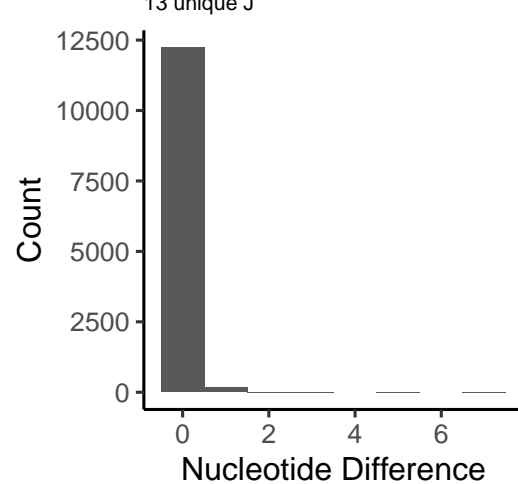
TRBV4–1*ap01

4242 sequences assigned
4207 (99.2%) exact matches, in which:
4155 unique CDR3
13 unique J



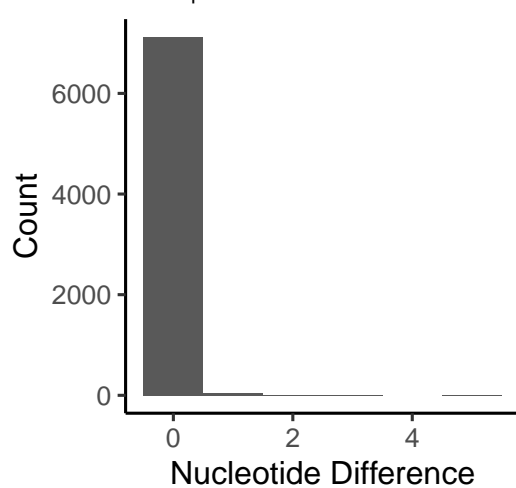
TRBV5–1*ap01

12408 sequences assigned
12238 (98.6%) exact matches, in which:
12090 unique CDR3
13 unique J



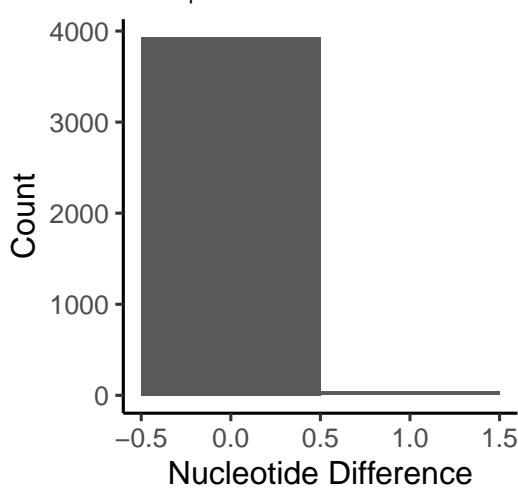
TRBV3–12*ap01

7168 sequences assigned
7120 (99.3%) exact matches, in which:
7083 unique CDR3
13 unique J



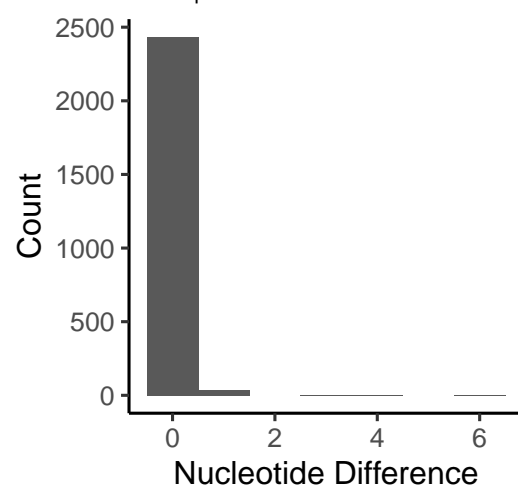
TRBV4–2*ap01

3974 sequences assigned
3934 (99%) exact matches, in which:
3883 unique CDR3
13 unique J



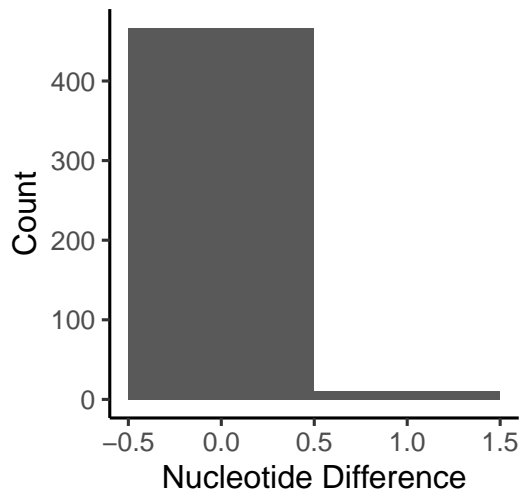
TRBV25–1*ap01

2471 sequences assigned
2433 (98.5%) exact matches, in which:
2392 unique CDR3
13 unique J



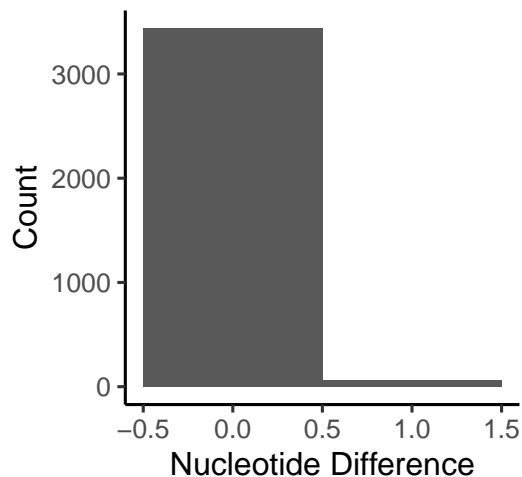
TRBV5-3*ap01

478 sequences assigned
467 (97.7%) exact matches, in which:
463 unique CDR3
13 unique J



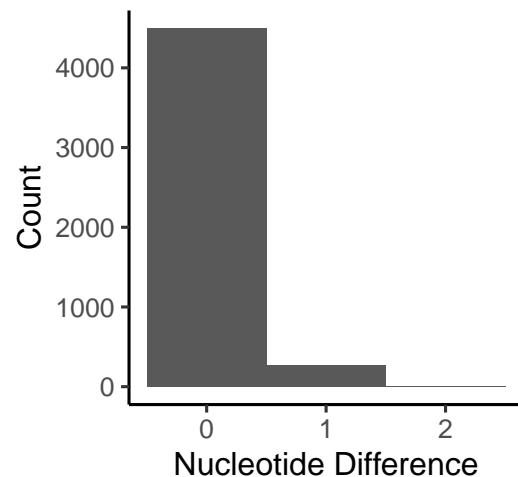
TRBV5-6*ap01

3502 sequences assigned
3437 (98.1%) exact matches, in which:
3390 unique CDR3
13 unique J



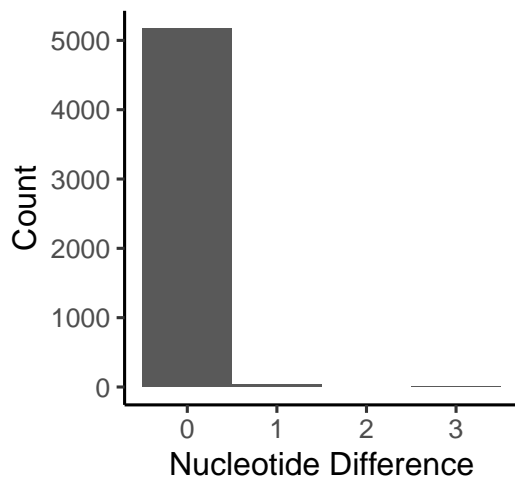
TRBV6-1*ap01

4771 sequences assigned
4495 (94.2%) exact matches, in which:
4419 unique CDR3
13 unique J



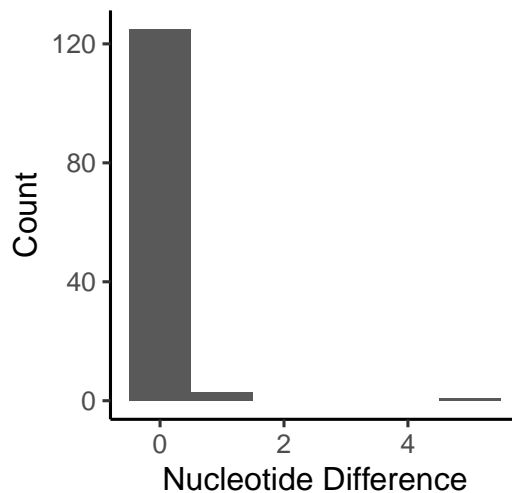
TRBV5-4*ap01

5199 sequences assigned
5168 (99.4%) exact matches, in which:
5113 unique CDR3
13 unique J



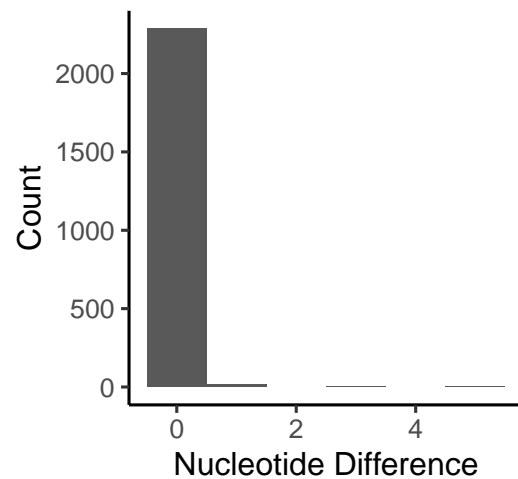
TRBV5-7*ap01

129 sequences assigned
125 (96.9%) exact matches, in which:
124 unique CDR3
12 unique J



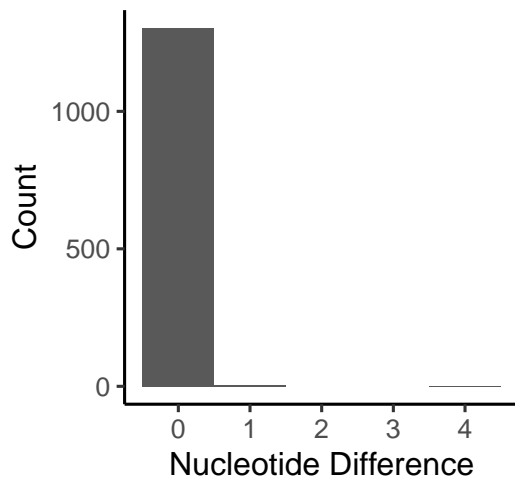
TRBV6-4*ap01

2307 sequences assigned
2286 (99.1%) exact matches, in which:
2271 unique CDR3
13 unique J



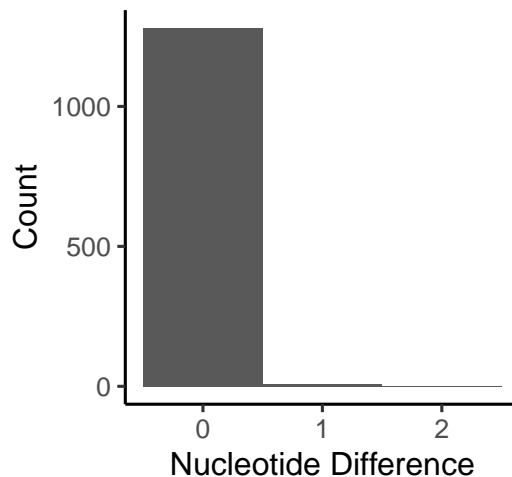
TRBV5-5*ap01

1309 sequences assigned
1303 (99.5%) exact matches, in which:
1299 unique CDR3
13 unique J



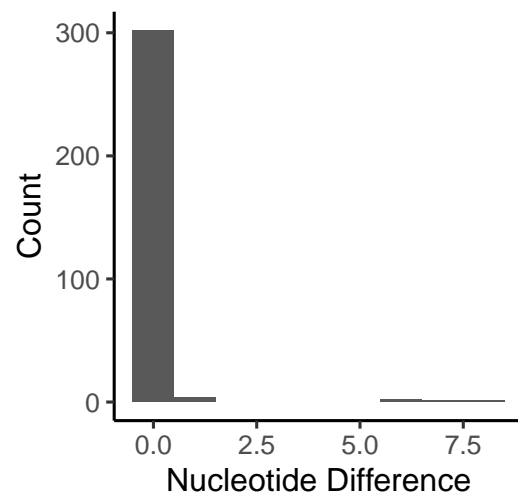
TRBV5-8*ap01

1290 sequences assigned
1280 (99.2%) exact matches, in which:
1268 unique CDR3
13 unique J



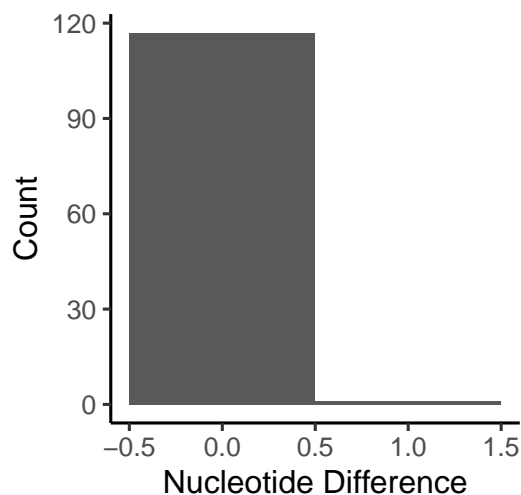
TRBV6-7*ap01

310 sequences assigned
302 (97.4%) exact matches, in which:
300 unique CDR3
13 unique J



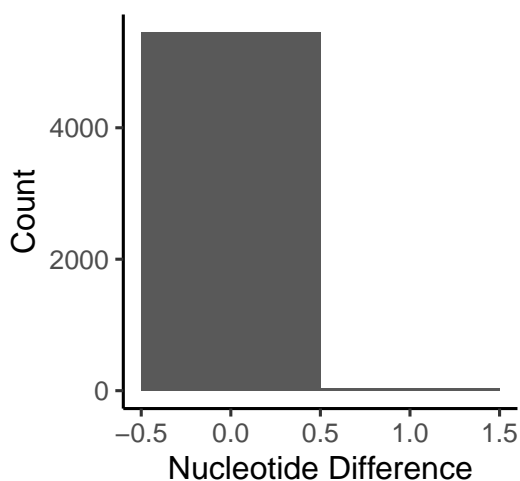
TRBV6–8*ap01

118 sequences assigned
117 (99.2%) exact matches, in which:
115 unique CDR3
13 unique J



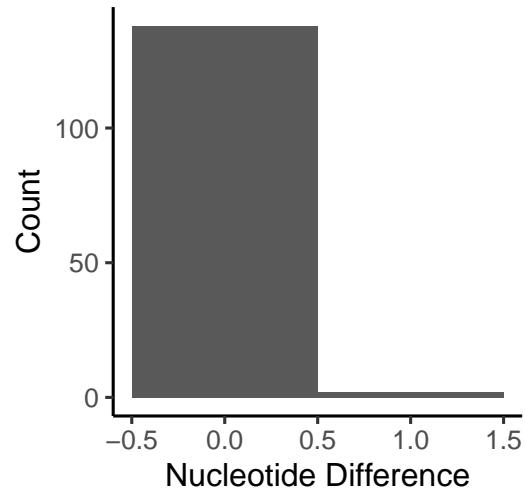
TRBV6–56*ap01

5494 sequences assigned
5451 (99.2%) exact matches, in which:
5337 unique CDR3
13 unique J



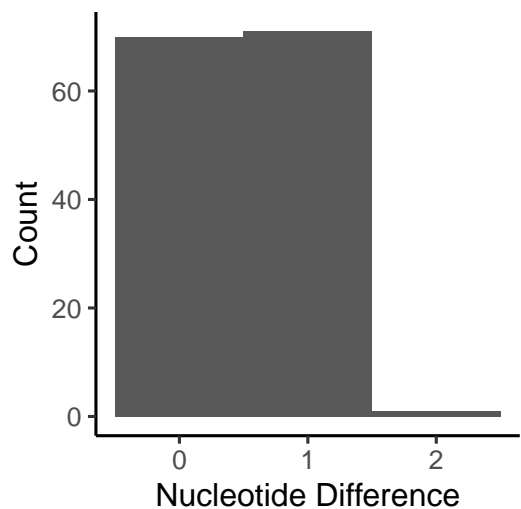
TRBV7–1*ap01_G291C_1

140 sequences assigned
138 (98.6%) exact matches, in which:
136 unique CDR3
13 unique J



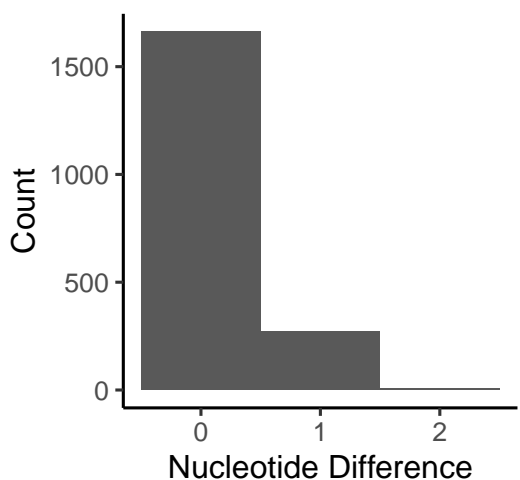
TRBV6–9*ap01

142 sequences assigned
70 (49.3%) exact matches, in which:
67 unique CDR3
13 unique J



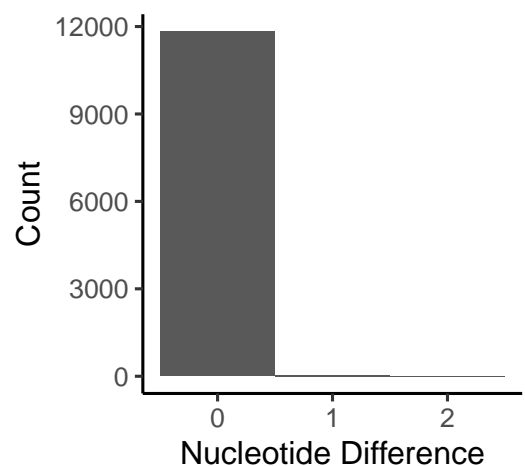
TRBV6–56*ap02

1938 sequences assigned
1662 (85.8%) exact matches, in which:
1639 unique CDR3
13 unique J



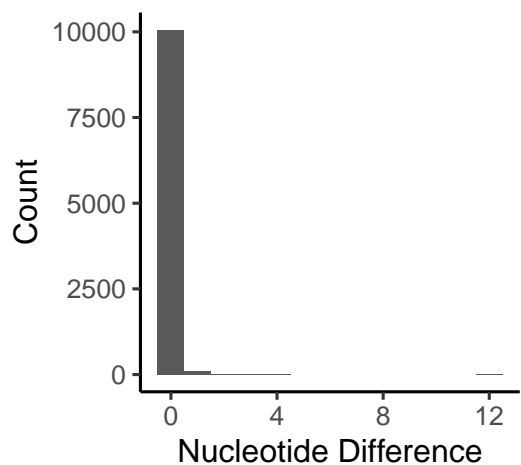
TRBV7–2*ap01

11881 sequences assigned
11831 (99.6%) exact matches, in which:
11751 unique CDR3
13 unique J



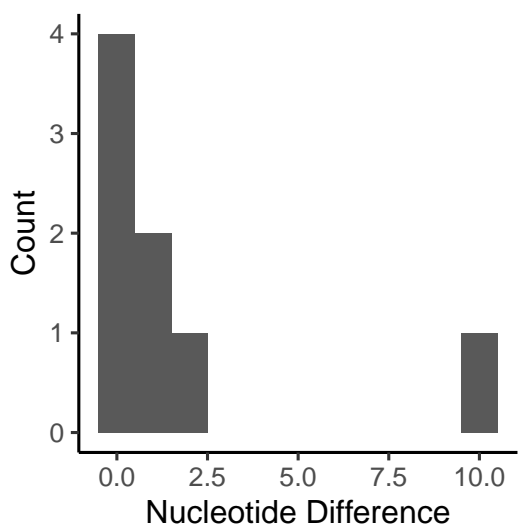
TRBV6–23*ap01

10160 sequences assigned
10060 (99%) exact matches, in which:
9922 unique CDR3
13 unique J



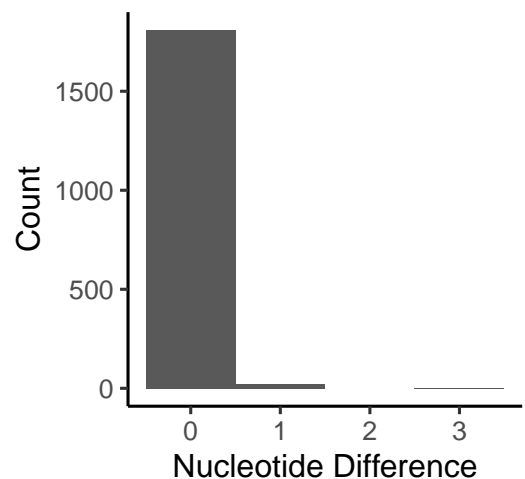
TRBV7–1*ap01

8 sequences assigned
4 (50%) exact matches, in which:
4 unique CDR3
3 unique J



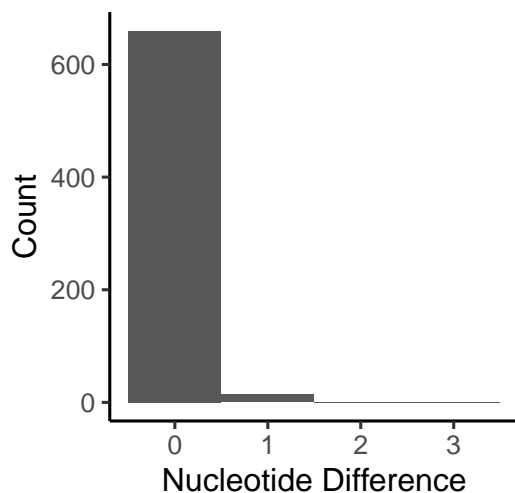
TRBV7–3*ap01

1832 sequences assigned
1809 (98.7%) exact matches, in which:
1803 unique CDR3
13 unique J



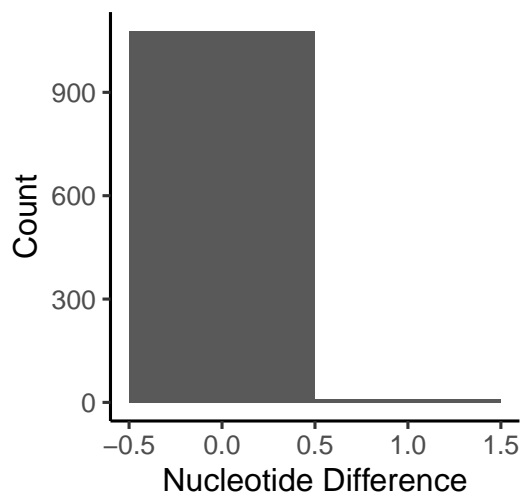
TRBV7-3*ap03

676 sequences assigned
660 (97.6%) exact matches, in which:
654 unique CDR3
13 unique J



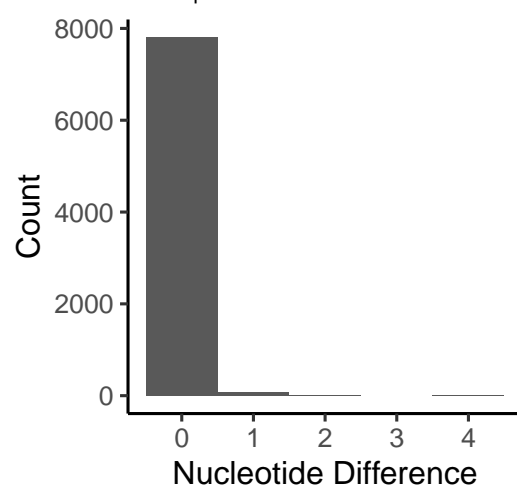
TRBV7-7*ap01

1088 sequences assigned
1079 (99.2%) exact matches, in which:
1067 unique CDR3
13 unique J



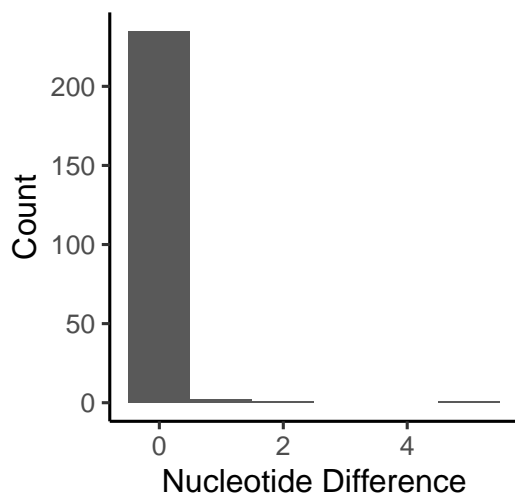
TRBV7-9*ap01

7879 sequences assigned
7804 (99%) exact matches, in which:
7752 unique CDR3
13 unique J



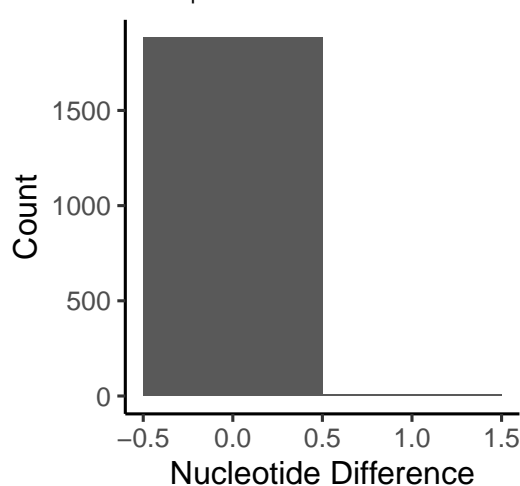
TRBV7-4*ap01

239 sequences assigned
235 (98.3%) exact matches, in which:
234 unique CDR3
13 unique J



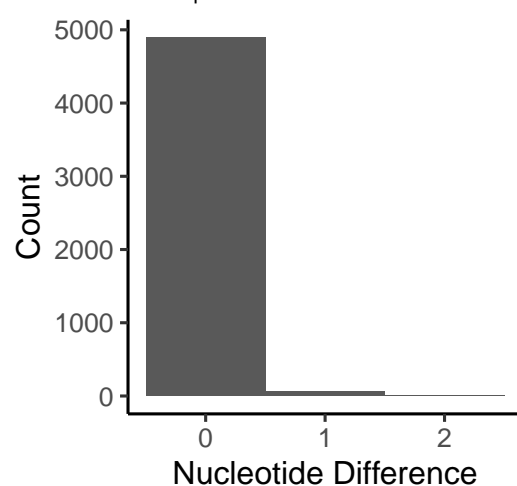
TRBV7-8*ap01

1891 sequences assigned
1882 (99.5%) exact matches, in which:
1861 unique CDR3
13 unique J



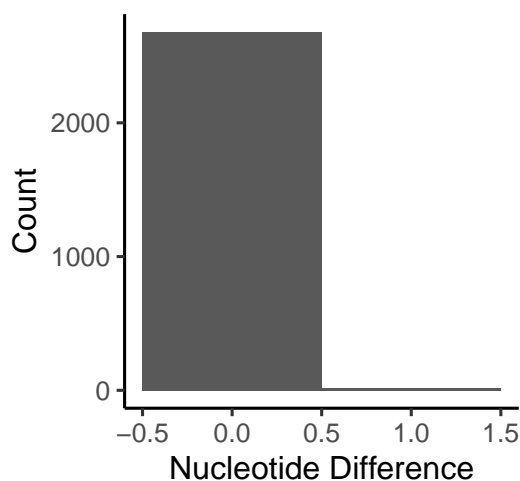
TRBV29-1*ap01

4959 sequences assigned
4892 (98.6%) exact matches, in which:
4811 unique CDR3
13 unique J



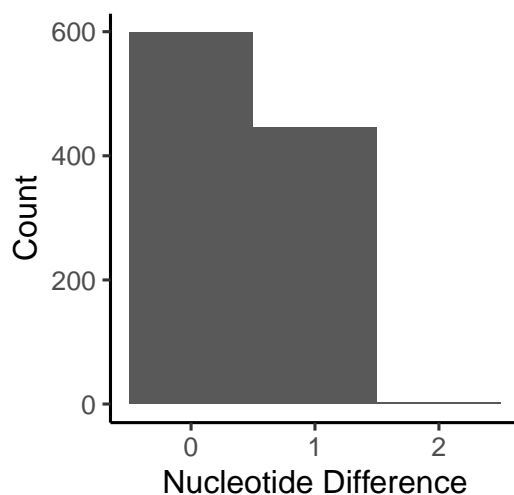
TRBV7-6*ap01

2698 sequences assigned
2679 (99.3%) exact matches, in which:
2658 unique CDR3
13 unique J



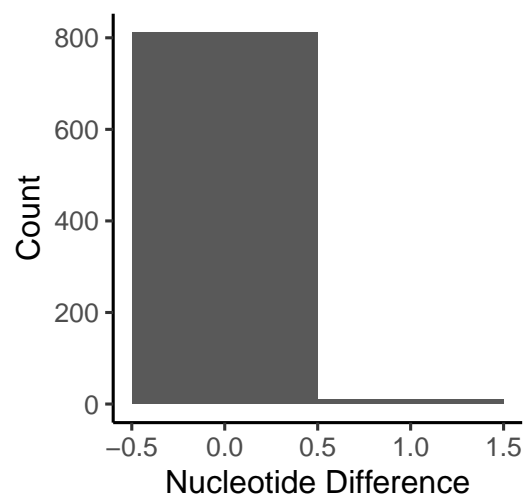
TRBV7-8*ap03

1047 sequences assigned
599 (57.2%) exact matches, in which:
596 unique CDR3
13 unique J



TRBV29-1*ap02

822 sequences assigned
812 (98.8%) exact matches, in which:
798 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T

