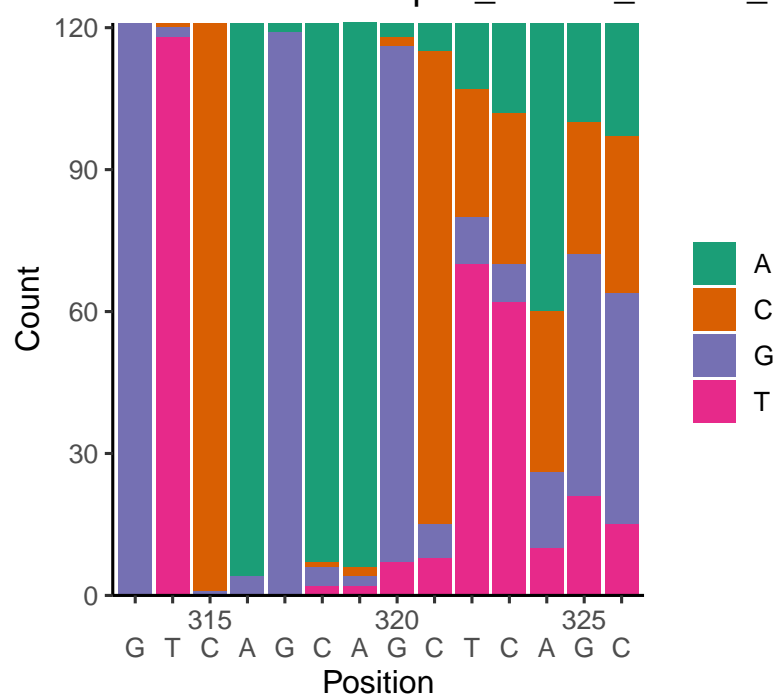
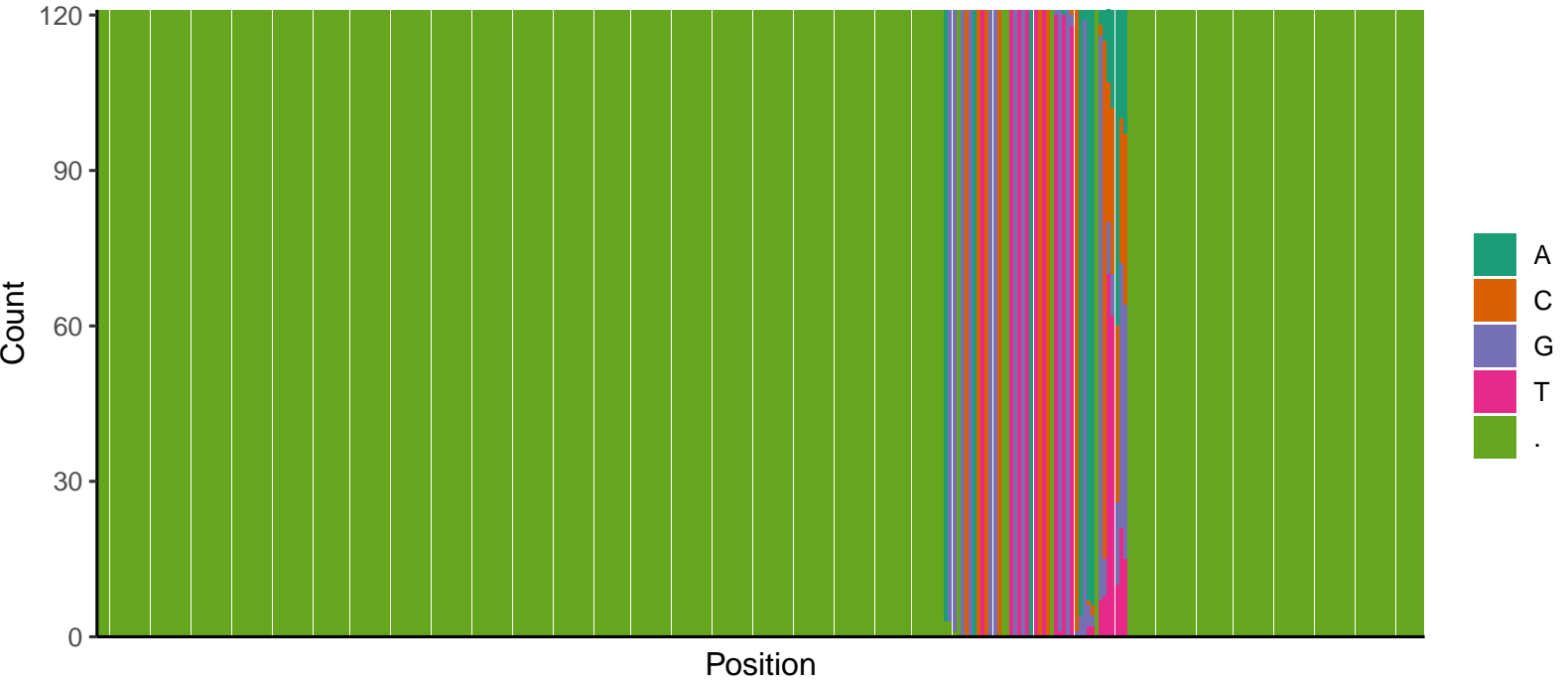


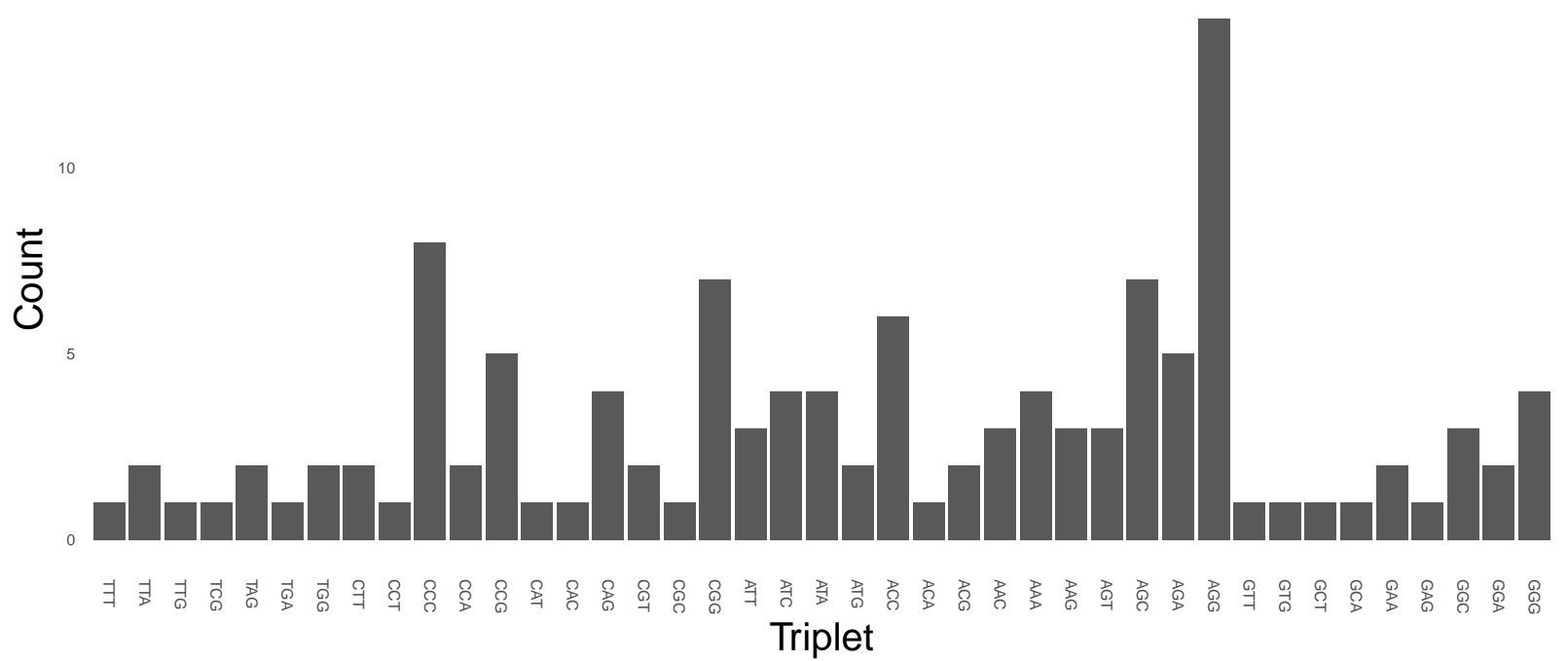
Gene TRBV7-1*ap01_G291C_T296C_C314T



Gene TRBV7-1*ap01_G291C_T296C_C314T

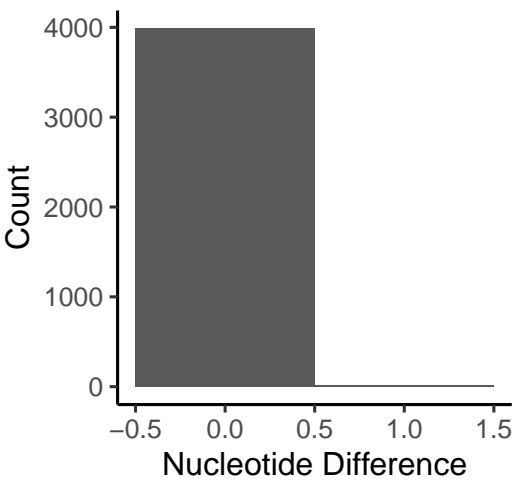


TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



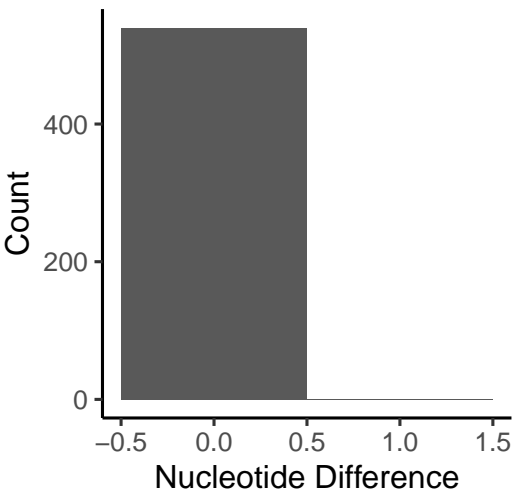
TRBV20-1*ap01

4007 sequences assigned
3988 (99.5%) exact matches, in which:
3980 unique CDR3
13 unique J



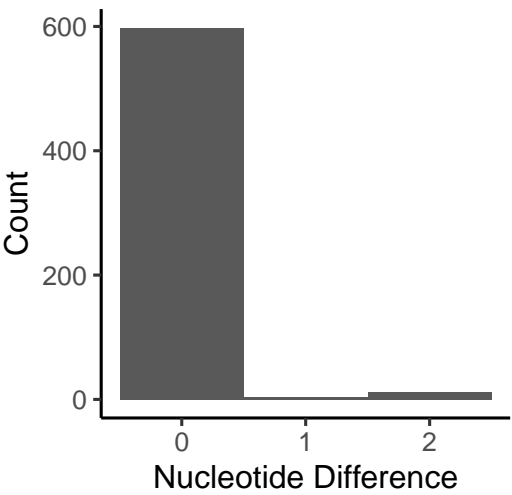
TRBV10-2*ap01

541 sequences assigned
540 (99.8%) exact matches, in which:
540 unique CDR3
13 unique J



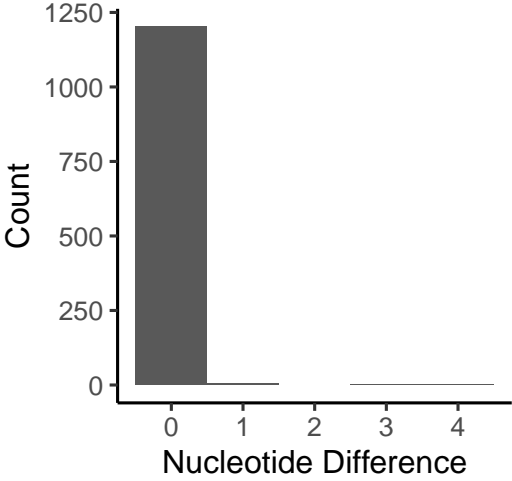
TRBV13*ap01

614 sequences assigned
598 (97.4%) exact matches, in which:
595 unique CDR3
13 unique J



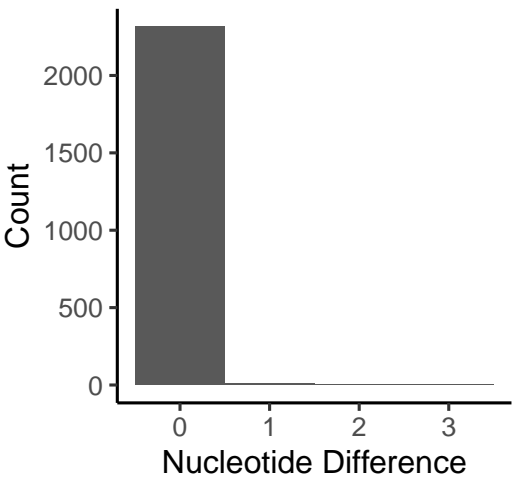
TRBV10-1*ap01

1208 sequences assigned
1202 (99.5%) exact matches, in which:
1197 unique CDR3
13 unique J



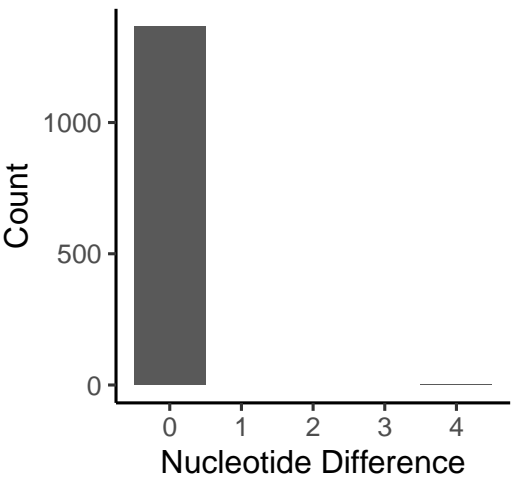
TRBV10-3*ap01

2327 sequences assigned
2315 (99.5%) exact matches, in which:
2299 unique CDR3
13 unique J



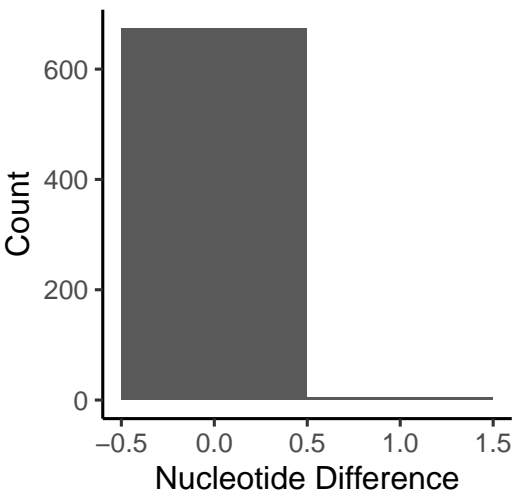
TRBV14*ap01

1366 sequences assigned
1365 (99.9%) exact matches, in which:
1362 unique CDR3
13 unique J



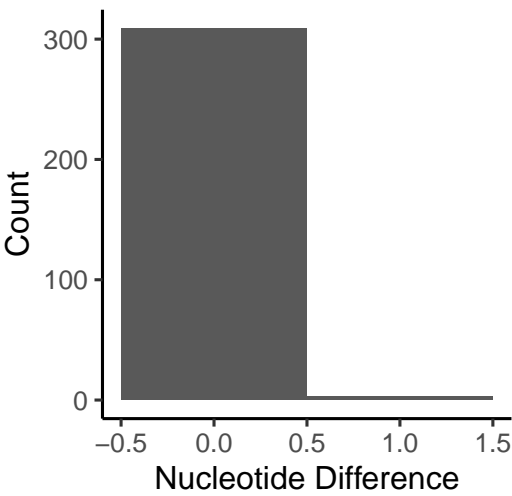
TRBV20-1*ap02

678 sequences assigned
674 (99.4%) exact matches, in which:
671 unique CDR3
13 unique J



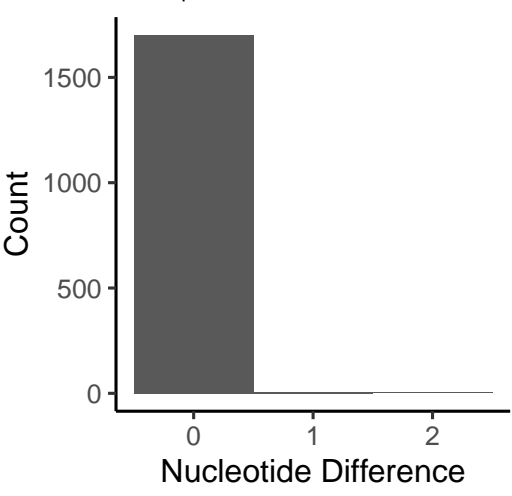
TRBV1*ap01

312 sequences assigned
309 (99%) exact matches, in which:
307 unique CDR3
13 unique J



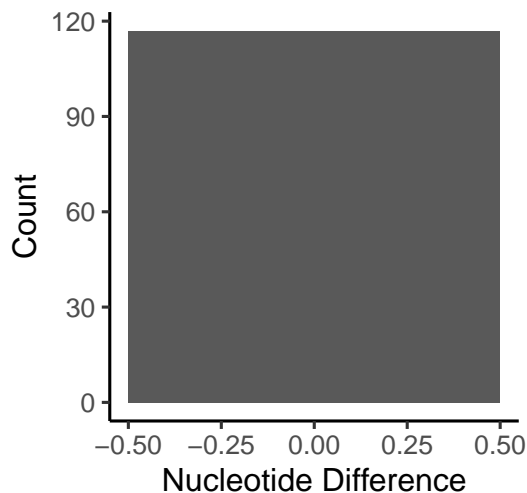
TRBV15*ap02

1711 sequences assigned
1701 (99.4%) exact matches, in which:
1685 unique CDR3
13 unique J



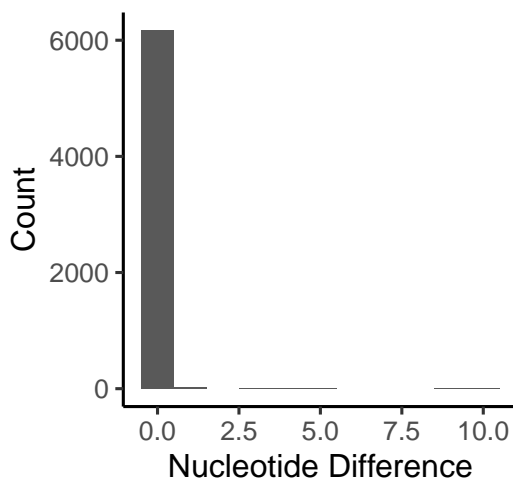
TRBV16*ap01

117 sequences assigned
117 (100%) exact matches, in which:
117 unique CDR3
13 unique J



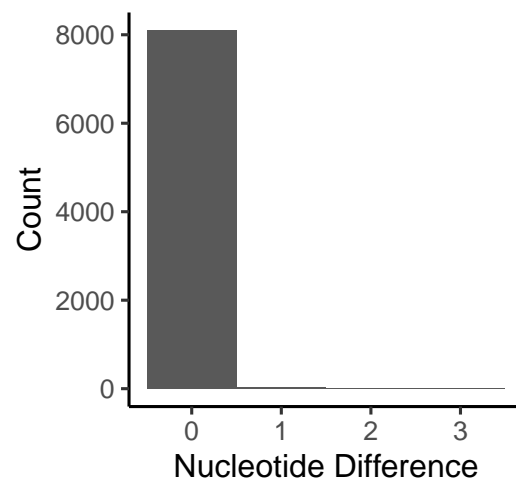
TRBV19*ap01

6195 sequences assigned
6169 (99.6%) exact matches, in which:
6156 unique CDR3
13 unique J



TRBV28*ap01

8132 sequences assigned
8098 (99.6%) exact matches, in which:
8077 unique CDR3
13 unique J



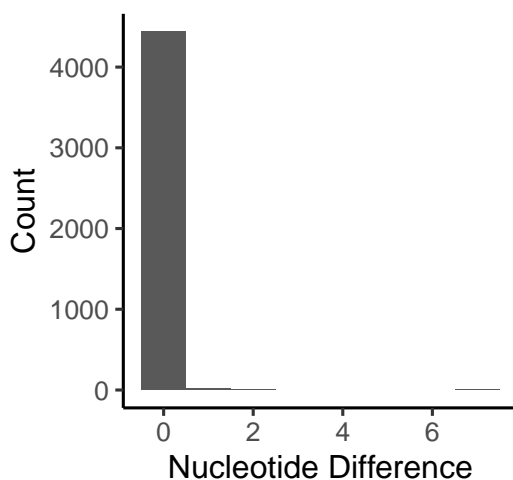
TRBV17*ap01

2 sequences assigned
2 (100%) exact matches, in which:
2 unique CDR3
2 unique J



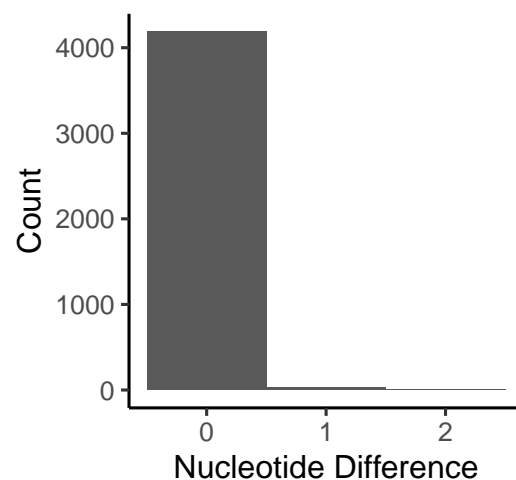
TRBV2*ap01

4458 sequences assigned
4438 (99.6%) exact matches, in which:
4430 unique CDR3
13 unique J



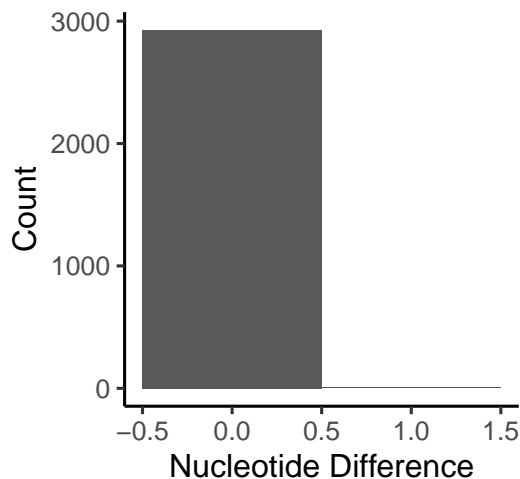
TRBV30*ap01

4217 sequences assigned
4187 (99.3%) exact matches, in which:
4177 unique CDR3
13 unique J



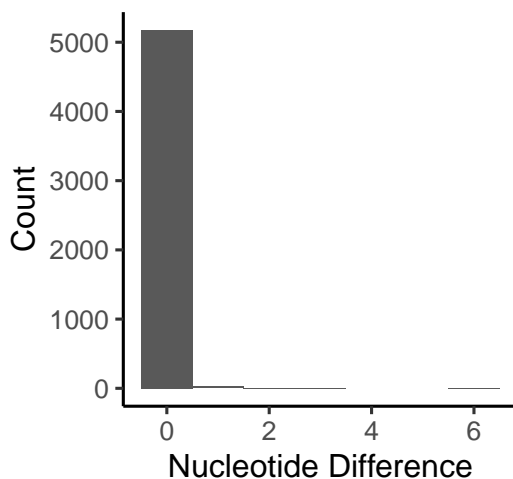
TRBV18*ap01

2934 sequences assigned
2927 (99.8%) exact matches, in which:
2921 unique CDR3
13 unique J



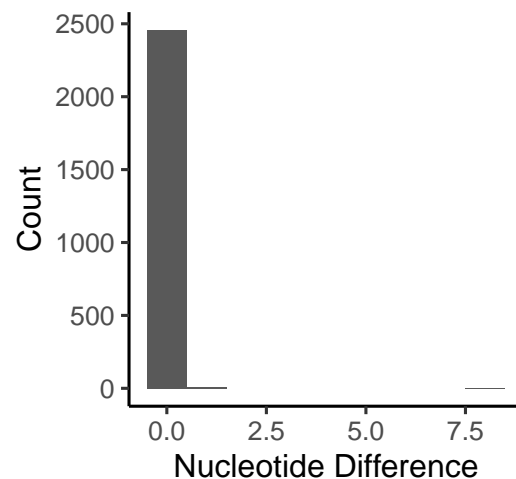
TRBV27*ap01

5213 sequences assigned
5176 (99.3%) exact matches, in which:
5165 unique CDR3
13 unique J



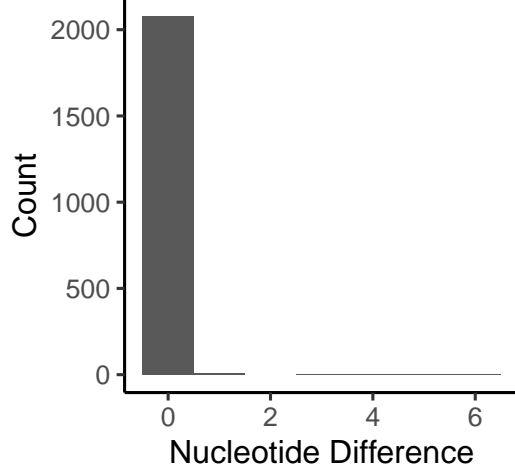
TRBV9*ap01

2468 sequences assigned
2457 (99.6%) exact matches, in which:
2441 unique CDR3
13 unique J



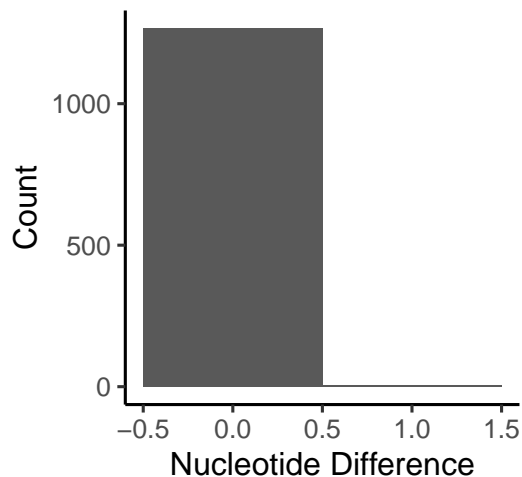
TRBV21-1*ap01

2090 sequences assigned
2077 (99.4%) exact matches, in which:
2076 unique CDR3
13 unique J



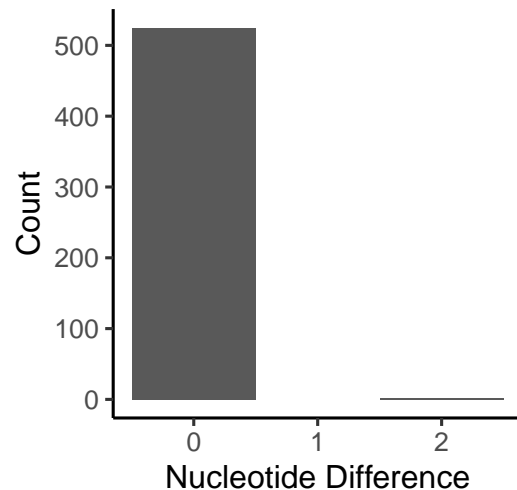
TRBV11-3*ap01

1273 sequences assigned
1266 (99.5%) exact matches, in which:
1262 unique CDR3
13 unique J



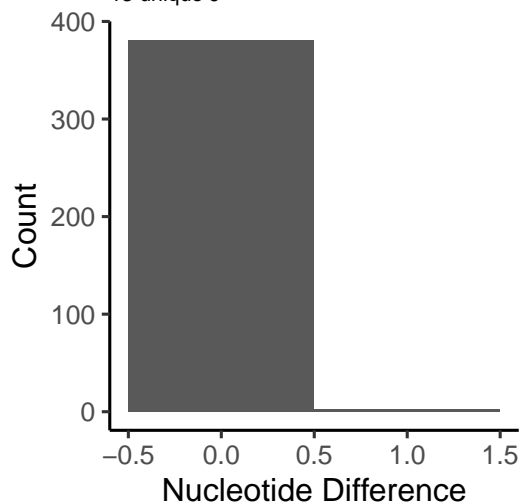
TRBV12-5*ap01

527 sequences assigned
525 (99.6%) exact matches, in which:
524 unique CDR3
13 unique J



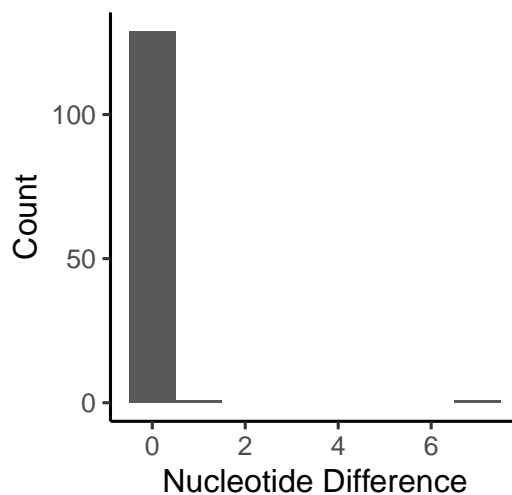
TRBV11-1*ap01

384 sequences assigned
381 (99.2%) exact matches, in which:
379 unique CDR3
13 unique J



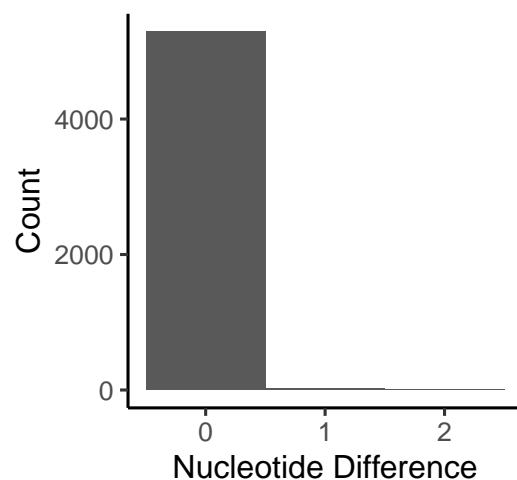
TRBV12-1*ap01

131 sequences assigned
129 (98.5%) exact matches, in which:
129 unique CDR3
13 unique J



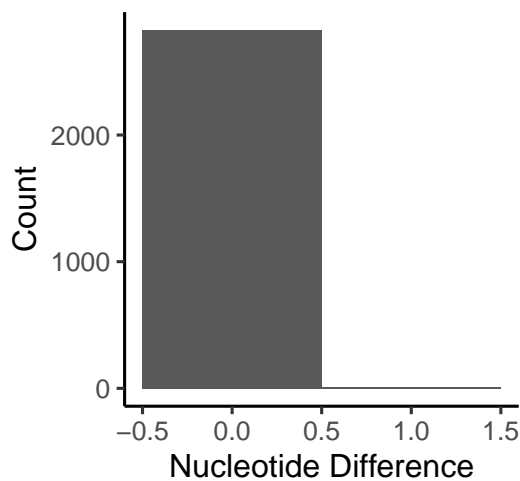
TRBV12-34*ap01

5318 sequences assigned
5289 (99.5%) exact matches, in which:
5277 unique CDR3
13 unique J



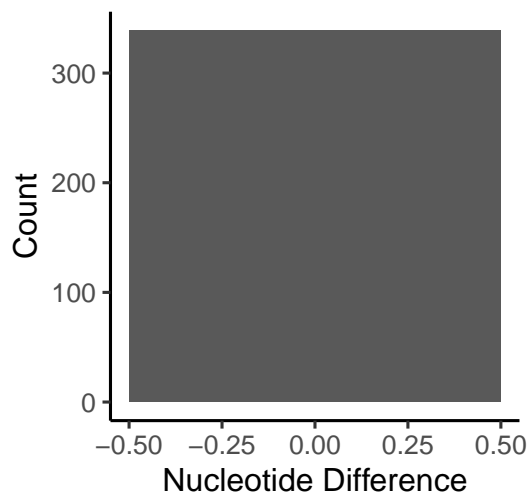
TRBV11-2*ap01

2840 sequences assigned
2829 (99.6%) exact matches, in which:
2815 unique CDR3
13 unique J



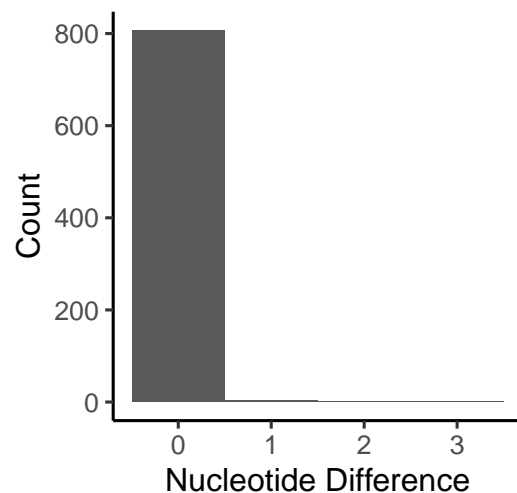
TRBV12-2*ap01

339 sequences assigned
339 (100%) exact matches, in which:
335 unique CDR3
13 unique J



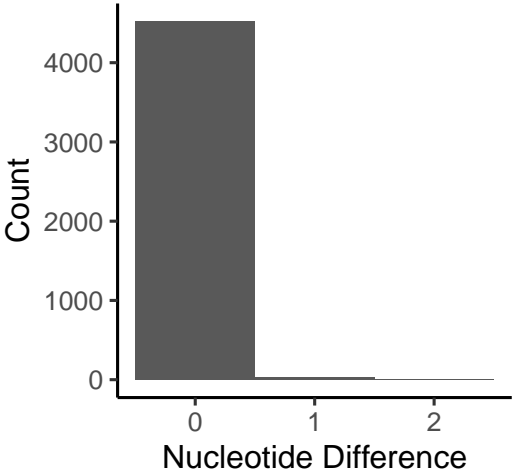
TRBV23-1*ap01

812 sequences assigned
807 (99.4%) exact matches, in which:
805 unique CDR3
13 unique J



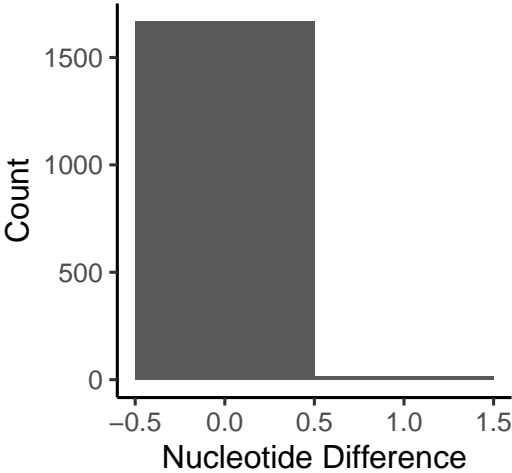
TRBV3-12*ap01

4551 sequences assigned
4521 (99.3%) exact matches, in which:
4511 unique CDR3
13 unique J



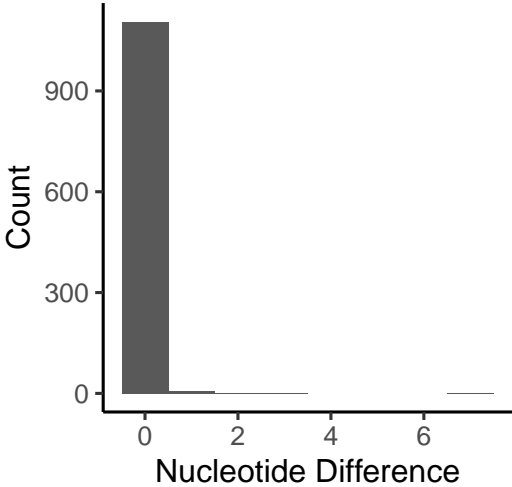
TRBV4-2*ap01

1682 sequences assigned
1668 (99.2%) exact matches, in which:
1662 unique CDR3
13 unique J



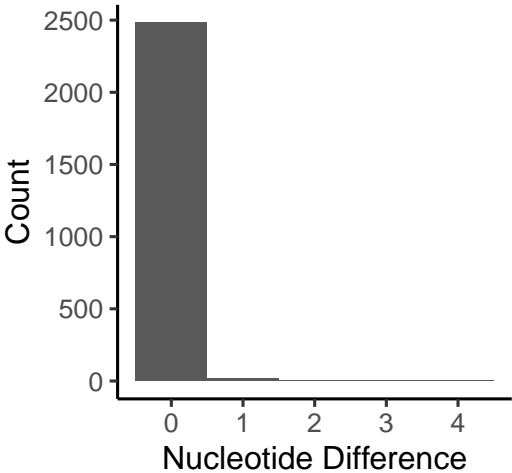
TRBV25-1*ap01

1117 sequences assigned
1106 (99%) exact matches, in which:
1105 unique CDR3
13 unique J



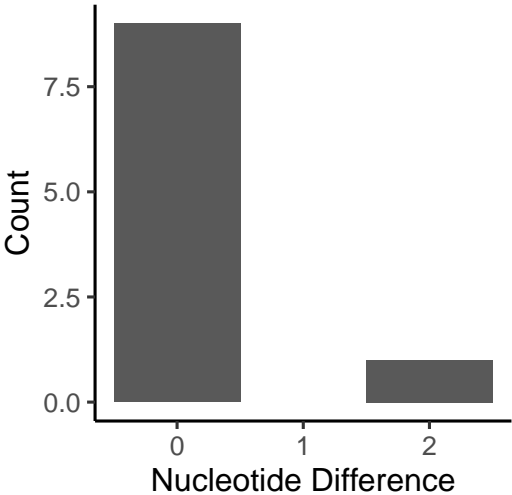
TRBV24-1*ap01

2501 sequences assigned
2482 (99.2%) exact matches, in which:
2479 unique CDR3
13 unique J



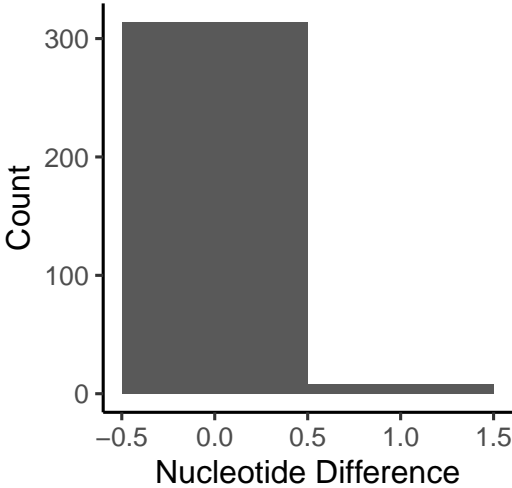
TRBV4-3*ap01

10 sequences assigned
9 (90%) exact matches, in which:
9 unique CDR3
5 unique J



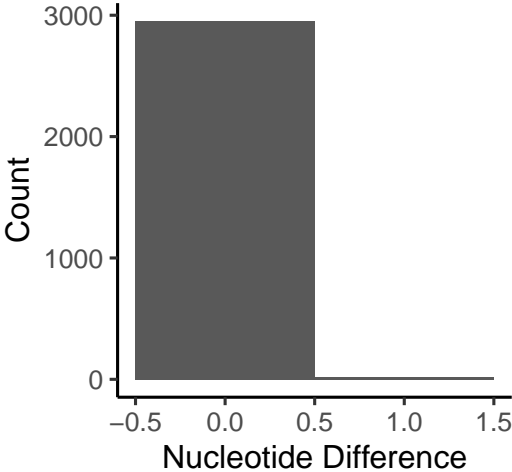
TRBV5-3*ap01

322 sequences assigned
314 (97.5%) exact matches, in which:
310 unique CDR3
13 unique J



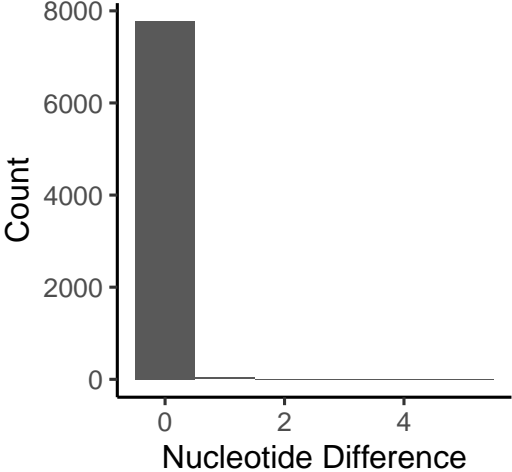
TRBV4-1*ap01

2970 sequences assigned
2952 (99.4%) exact matches, in which:
2943 unique CDR3
13 unique J



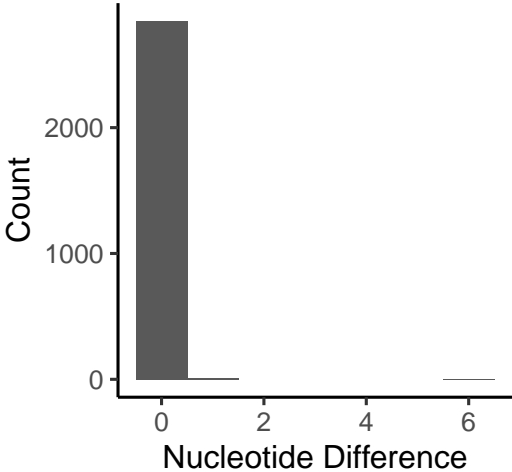
TRBV5-1*ap01

7828 sequences assigned
7778 (99.4%) exact matches, in which:
7692 unique CDR3
13 unique J



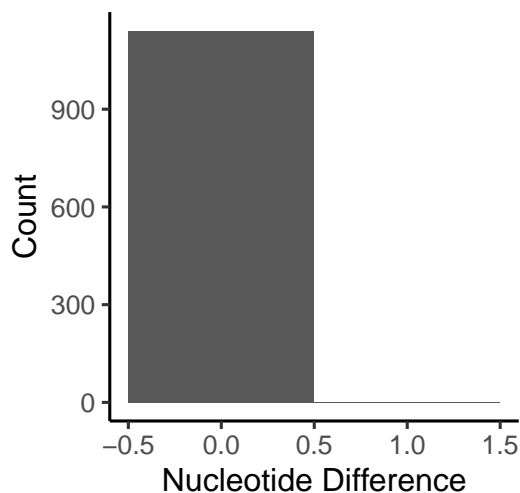
TRBV5-4*ap01

2861 sequences assigned
2847 (99.5%) exact matches, in which:
2842 unique CDR3
13 unique J



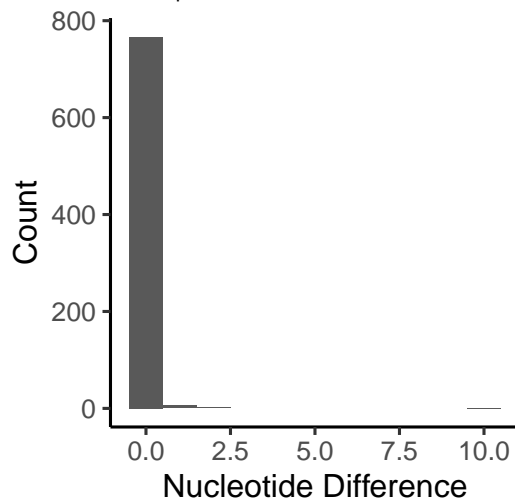
TRBV5-5*ap01

1143 sequences assigned
1141 (99.8%) exact matches, in which:
1141 unique CDR3
13 unique J



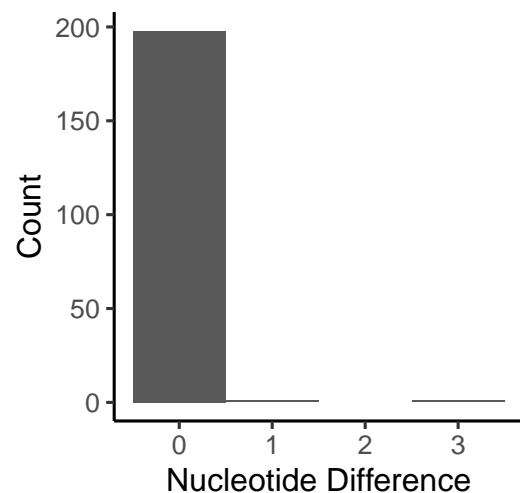
TRBV5-8*ap01

776 sequences assigned
767 (98.8%) exact matches, in which:
767 unique CDR3
13 unique J



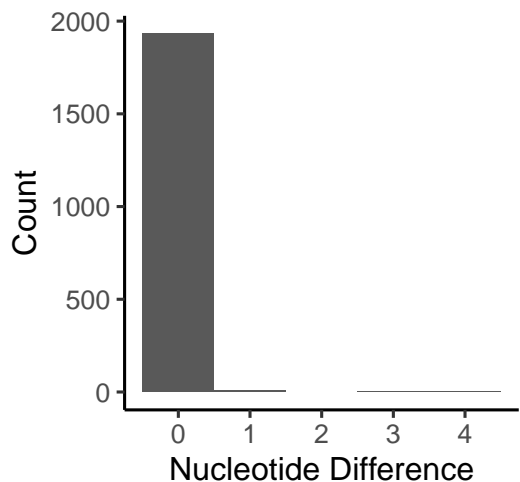
TRBV6-7*ap01

200 sequences assigned
198 (99%) exact matches, in which:
198 unique CDR3
12 unique J



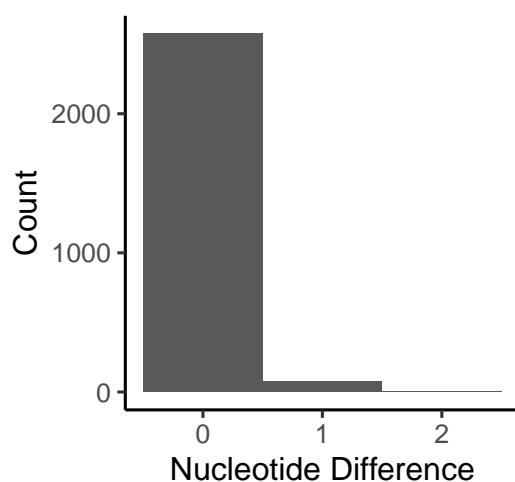
TRBV5-6*ap01

1943 sequences assigned
1932 (99.4%) exact matches, in which:
1925 unique CDR3
13 unique J



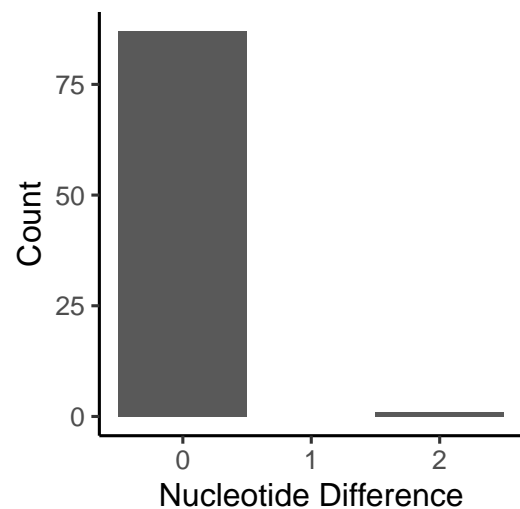
TRBV6-1*ap01

2655 sequences assigned
2575 (97%) exact matches, in which:
2562 unique CDR3
13 unique J



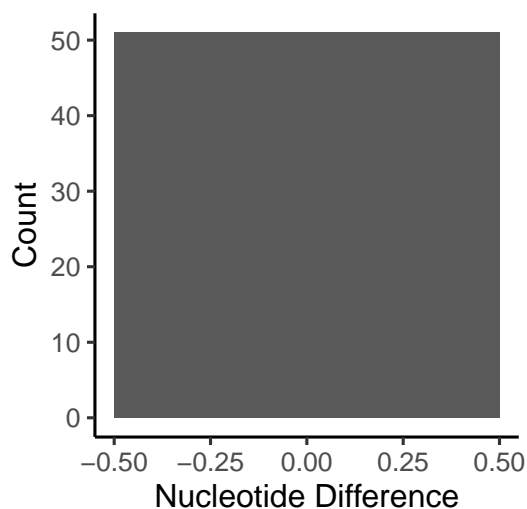
TRBV6-8*ap01

88 sequences assigned
87 (98.9%) exact matches, in which:
87 unique CDR3
11 unique J



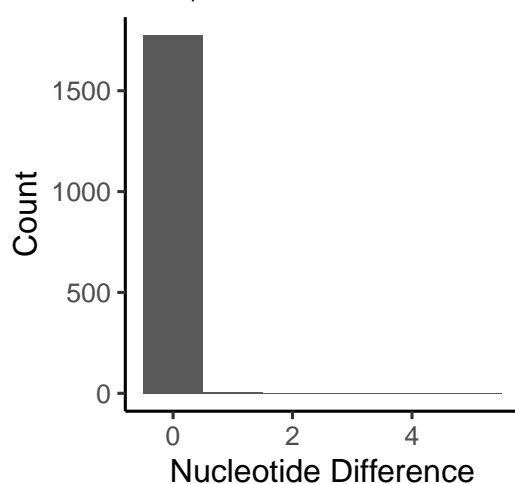
TRBV5-7*ap01

51 sequences assigned
51 (100%) exact matches, in which:
51 unique CDR3
12 unique J



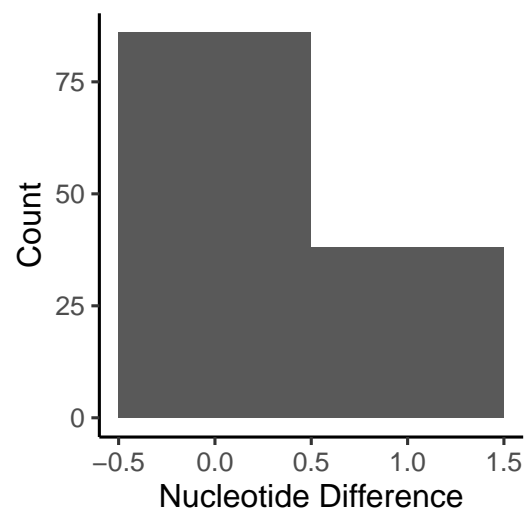
TRBV6-4*ap01

1789 sequences assigned
1776 (99.3%) exact matches, in which:
1773 unique CDR3
13 unique J



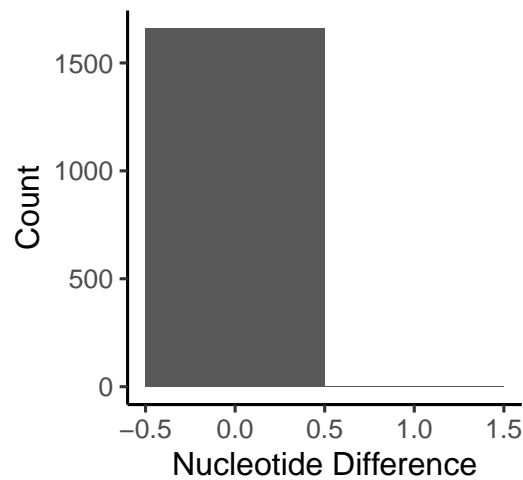
TRBV6-9*ap01

124 sequences assigned
86 (69.4%) exact matches, in which:
86 unique CDR3
12 unique J



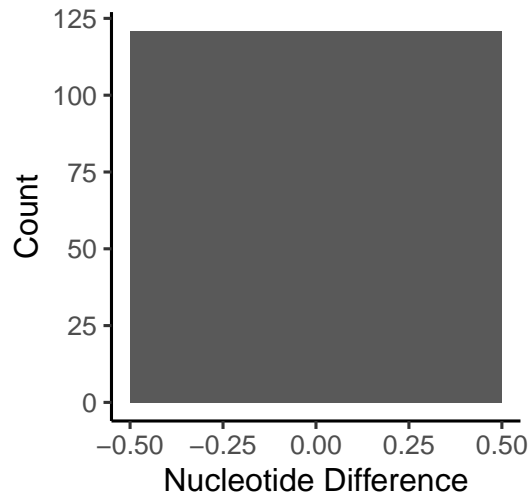
TRBV6-23*ap01

1664 sequences assigned
1660 (99.8%) exact matches, in which:
1656 unique CDR3
13 unique J



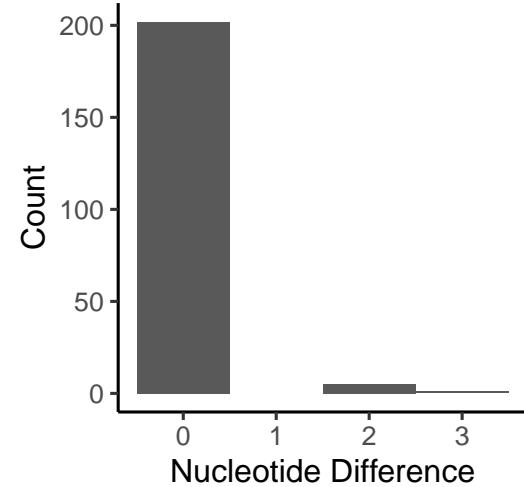
TRBV7-1*ap01_G291C_

121 sequences assigned
121 (100%) exact matches, in which:
120 unique CDR3
13 unique J



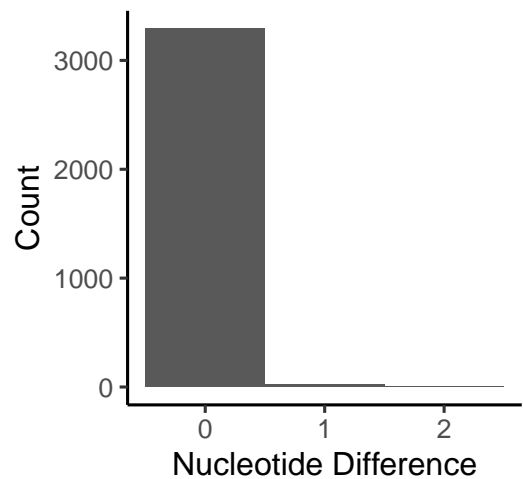
TRBV7-4*ap01

208 sequences assigned
202 (97.1%) exact matches, in which:
202 unique CDR3
13 unique J



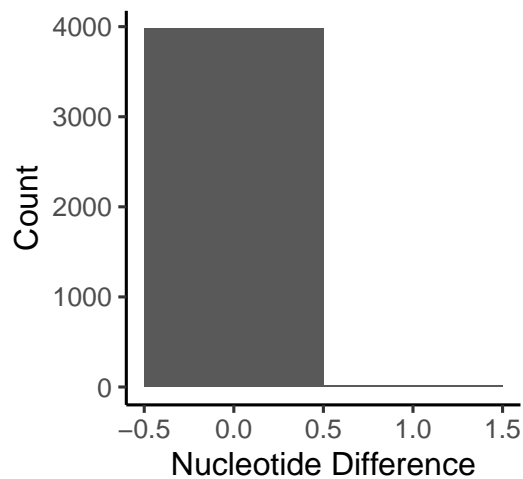
TRBV6-56*ap01

3311 sequences assigned
3291 (99.4%) exact matches, in which:
3284 unique CDR3
13 unique J



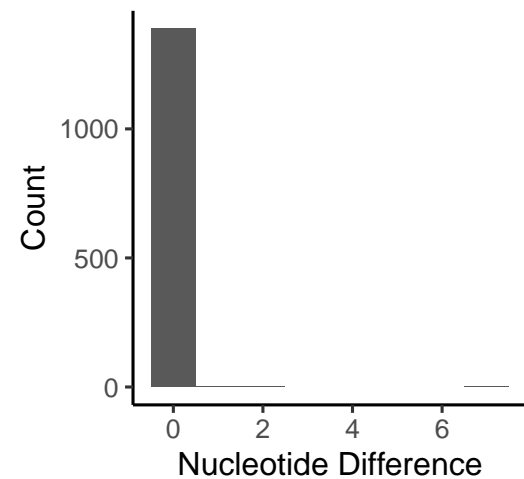
TRBV7-2*ap01

3991 sequences assigned
3977 (99.6%) exact matches, in which:
3961 unique CDR3
13 unique J



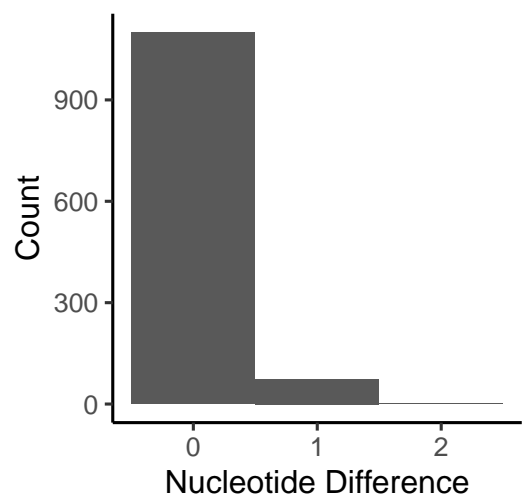
TRBV7-6*ap01

1392 sequences assigned
1388 (99.7%) exact matches, in which:
1382 unique CDR3
13 unique J



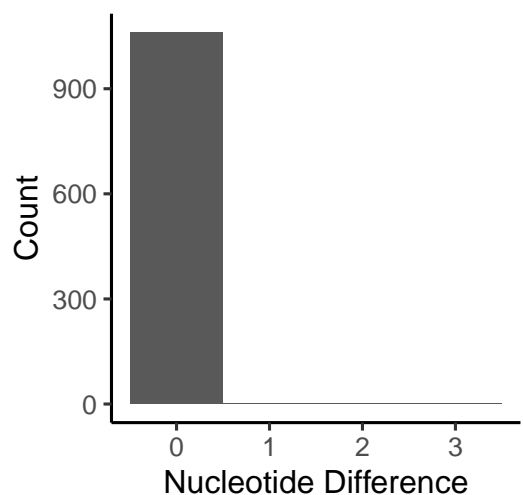
TRBV6-56*ap02

1175 sequences assigned
1100 (93.6%) exact matches, in which:
1095 unique CDR3
13 unique J



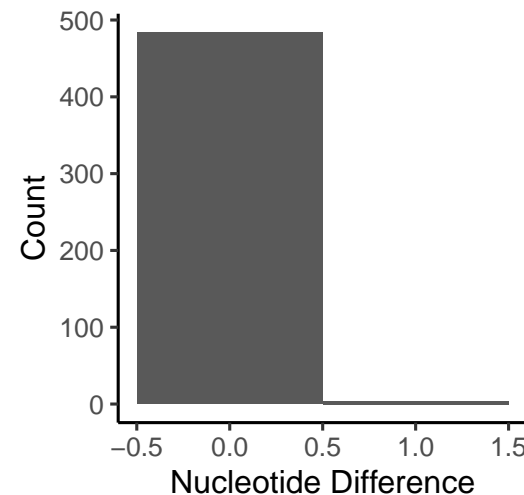
TRBV7-3*ap03

1065 sequences assigned
1061 (99.6%) exact matches, in which:
1056 unique CDR3
13 unique J



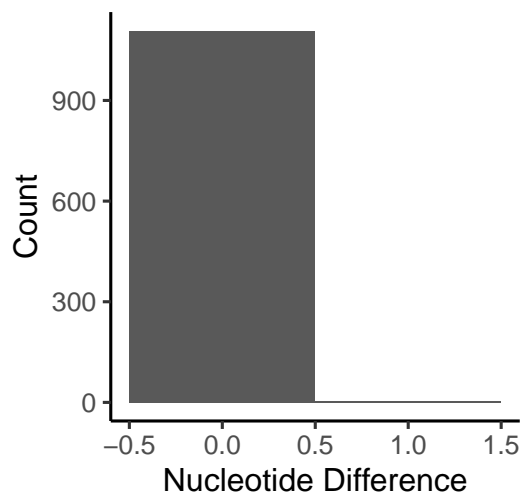
TRBV7-7*ap01

488 sequences assigned
484 (99.2%) exact matches, in which:
483 unique CDR3
13 unique J



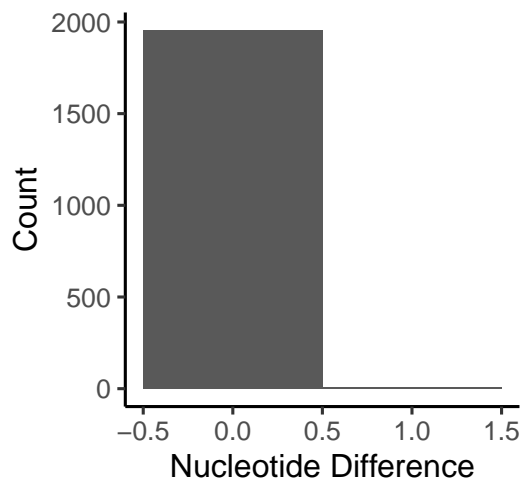
TRBV7-8*ap01

1111 sequences assigned
1108 (99.7%) exact matches, in which:
1101 unique CDR3
13 unique J



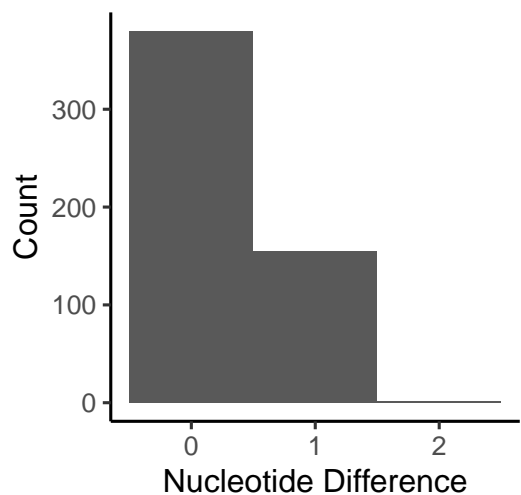
TRBV29-1*ap01

1963 sequences assigned
1954 (99.5%) exact matches, in which:
1948 unique CDR3
13 unique J



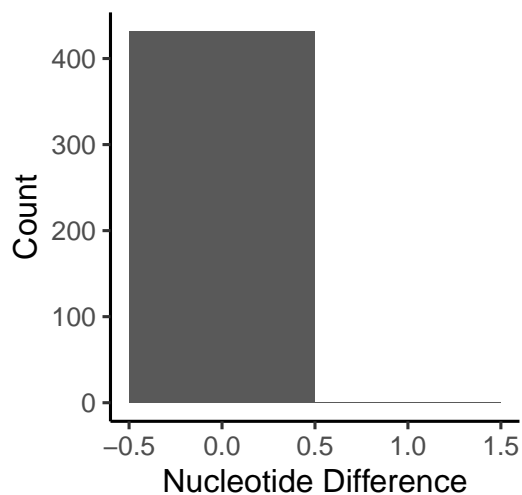
TRBV7-8*ap03

537 sequences assigned
380 (70.8%) exact matches, in which:
379 unique CDR3
13 unique J



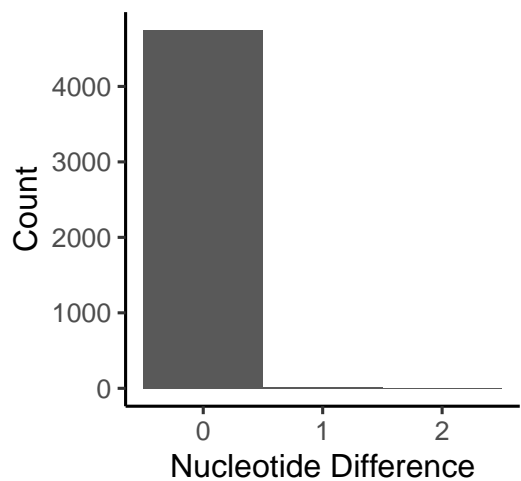
TRBV29-1*ap02

433 sequences assigned
432 (99.8%) exact matches, in which:
430 unique CDR3
13 unique J



TRBV7-9*ap01

4765 sequences assigned
4747 (99.6%) exact matches, in which:
4732 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T

