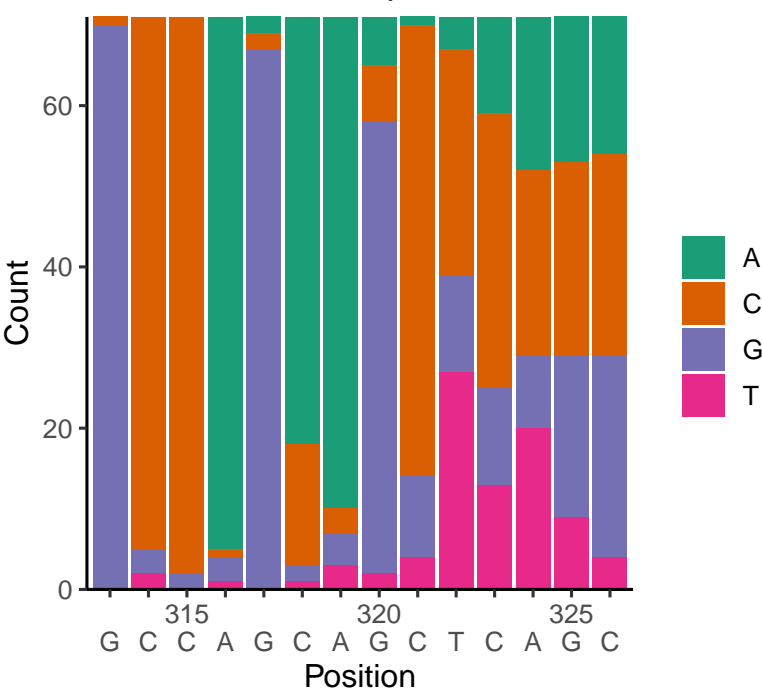
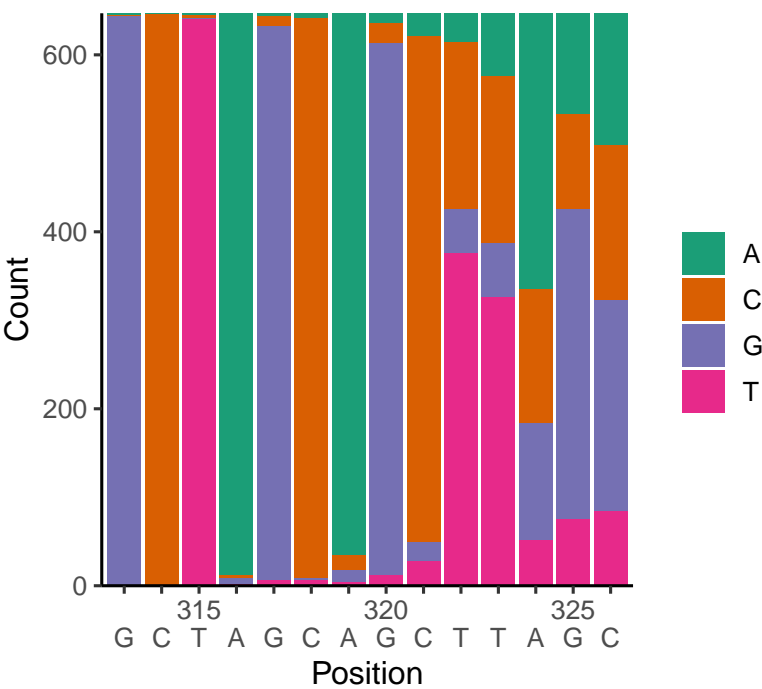


Gene TRBV7-1*ap01_T296C



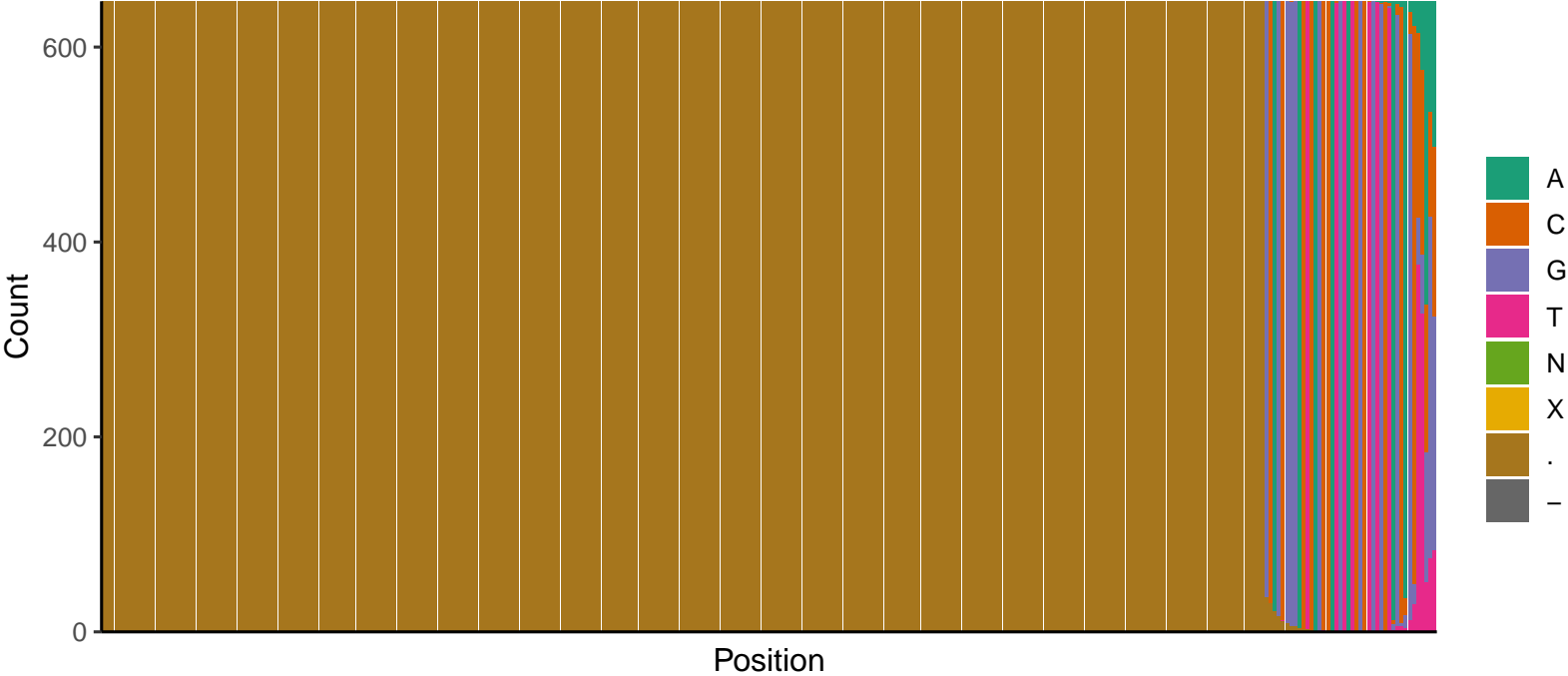
Gene TRBV7-7*ap01_C315T



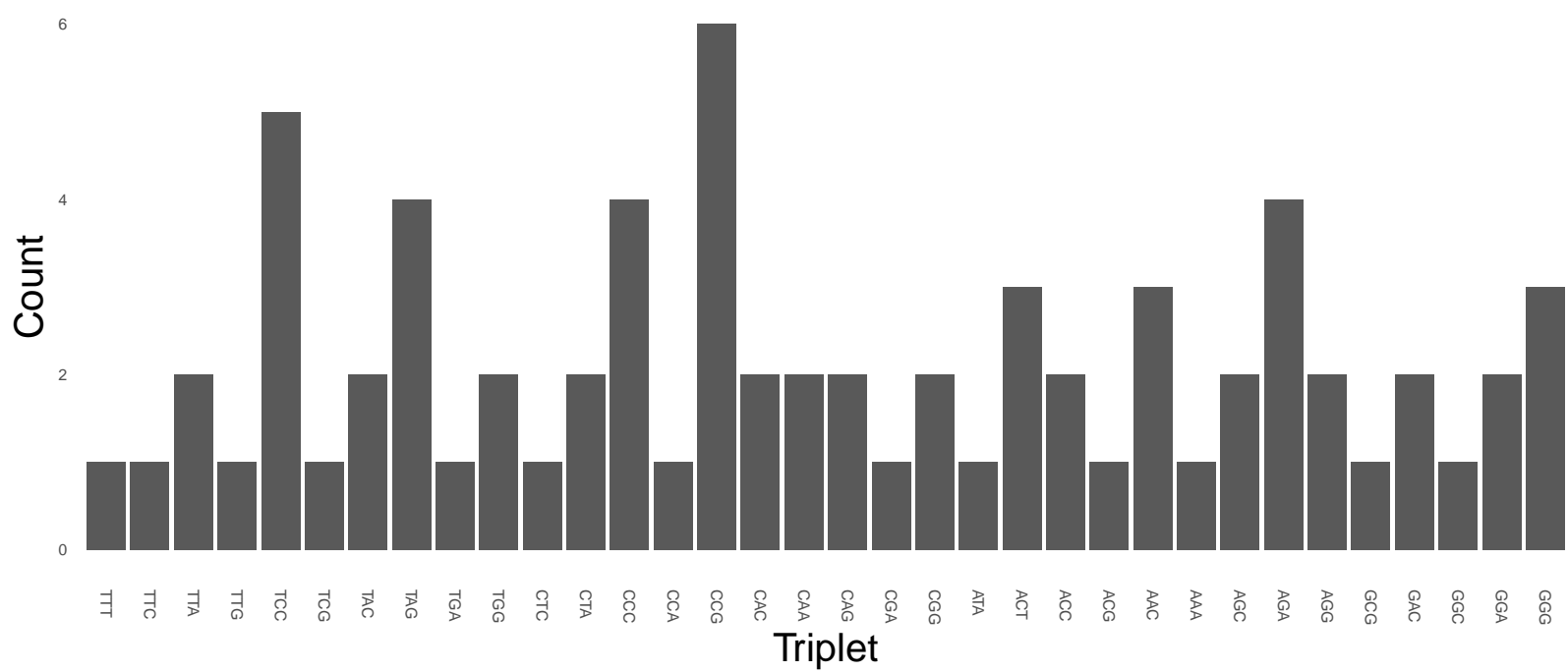
Gene TRBV7-1*ap01_T296C



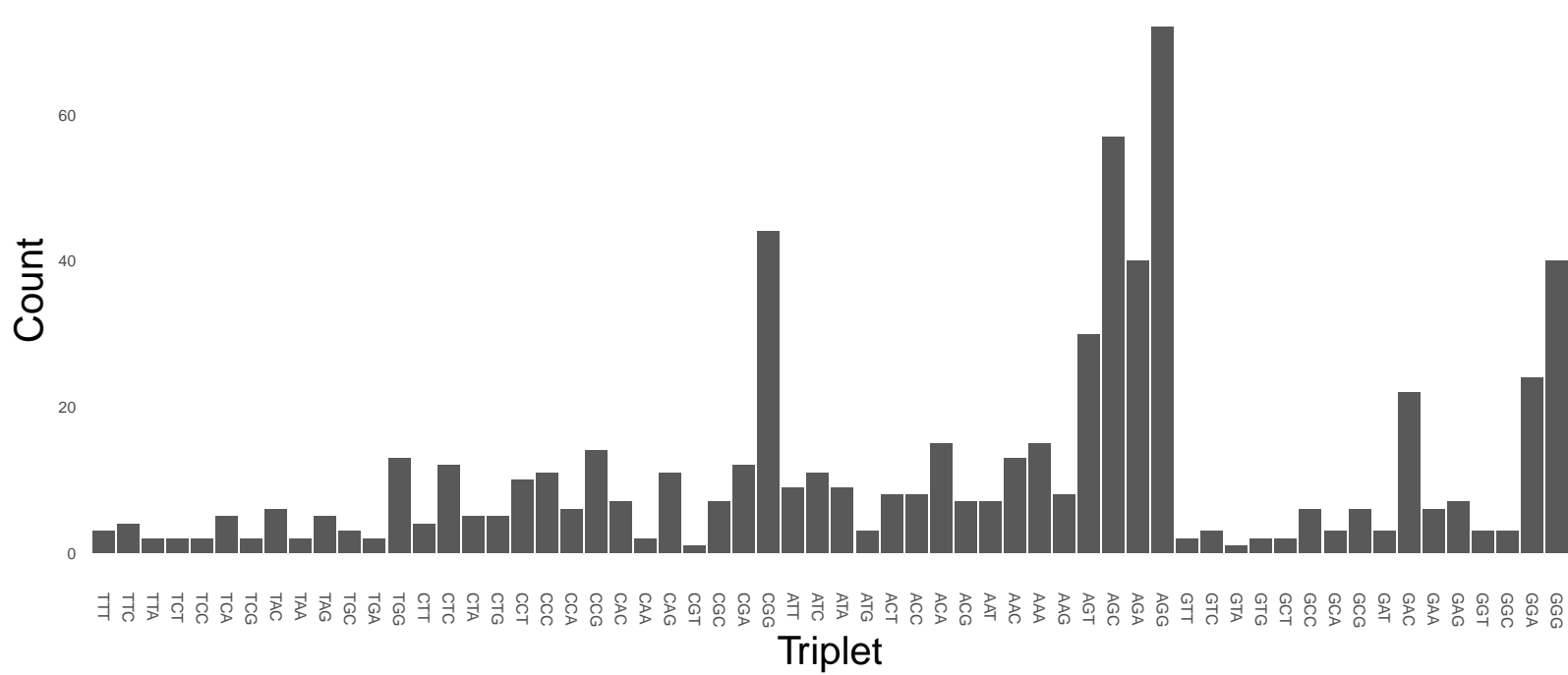
Gene TRBV7-7*ap01_C315T



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

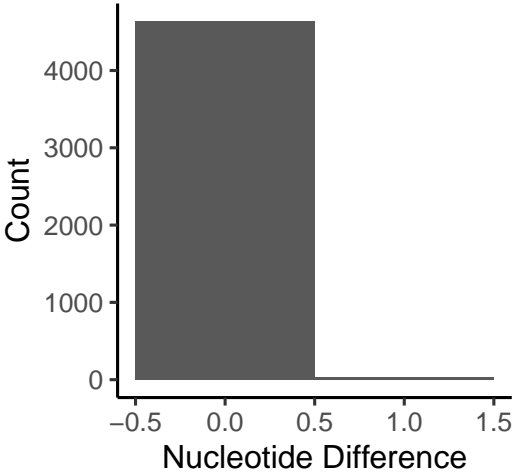


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



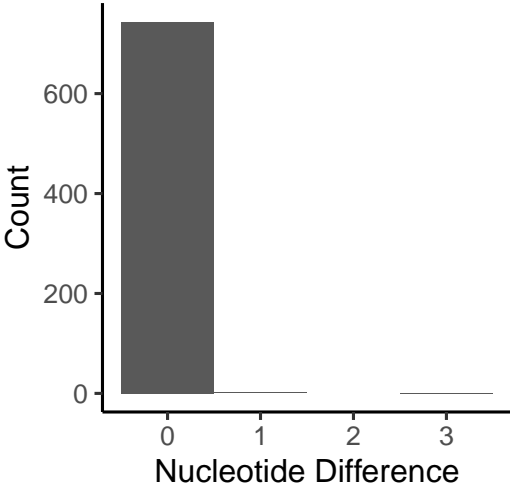
TRBV20-1*ap01

4664 sequences assigned
4635 (99.4%) exact matches, in which:
4590 unique CDR3
13 unique J



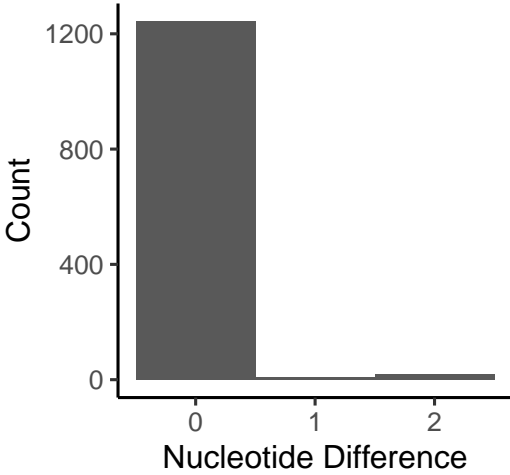
TRBV10-2*ap01

747 sequences assigned
744 (99.6%) exact matches, in which:
720 unique CDR3
13 unique J



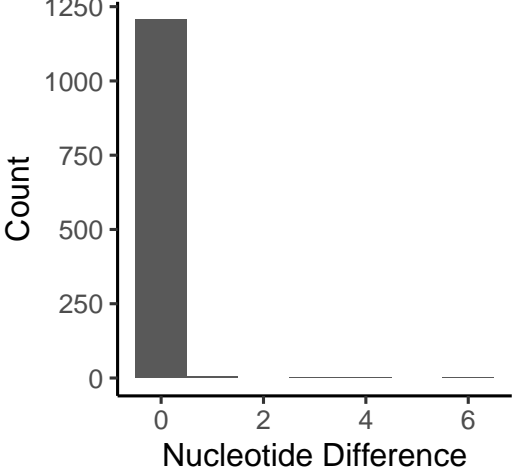
TRBV13*ap01

1271 sequences assigned
1243 (97.8%) exact matches, in which:
1192 unique CDR3
13 unique J



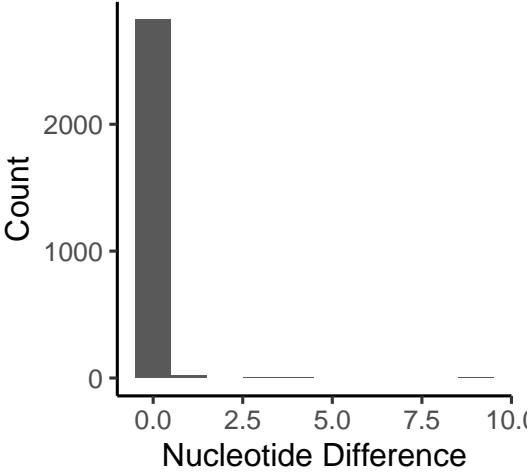
TRBV10-1*ap01

1214 sequences assigned
1206 (99.3%) exact matches, in which:
1183 unique CDR3
13 unique J



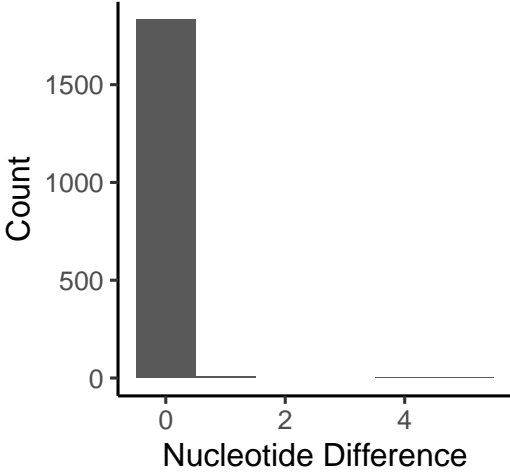
TRBV10-3*ap01

2845 sequences assigned
2824 (99.3%) exact matches, in which:
2773 unique CDR3
13 unique J



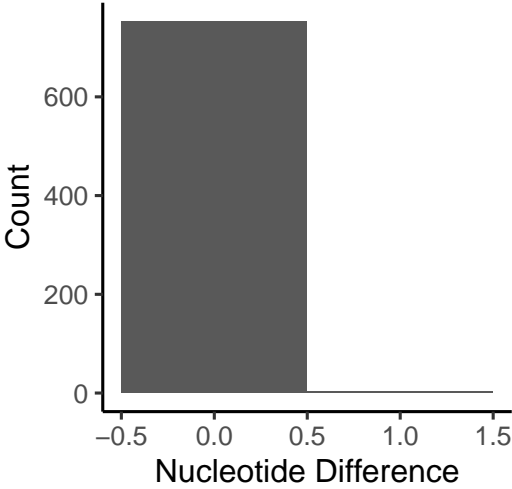
TRBV14*ap01

1844 sequences assigned
1832 (99.3%) exact matches, in which:
1796 unique CDR3
13 unique J



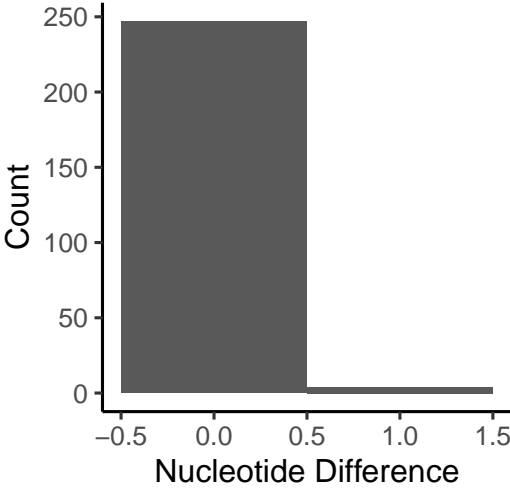
TRBV20-1*ap02

757 sequences assigned
753 (99.5%) exact matches, in which:
742 unique CDR3
12 unique J



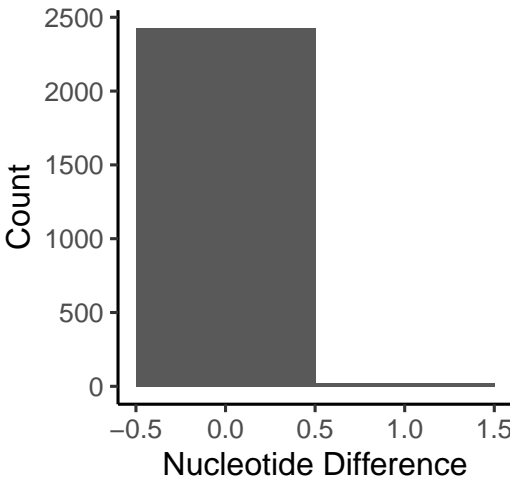
TRBV1*ap01

251 sequences assigned
247 (98.4%) exact matches, in which:
233 unique CDR3
13 unique J



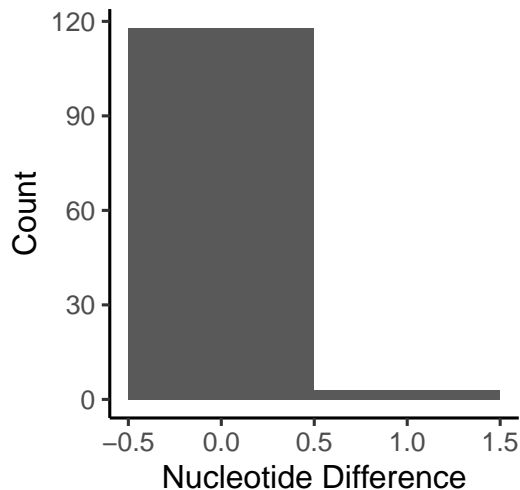
TRBV15*ap02

2450 sequences assigned
2427 (99.1%) exact matches, in which:
2373 unique CDR3
13 unique J



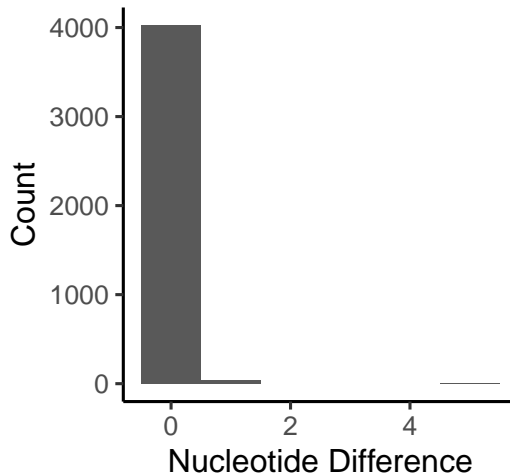
TRBV16*ap01

121 sequences assigned
118 (97.5%) exact matches, in which:
117 unique CDR3
12 unique J



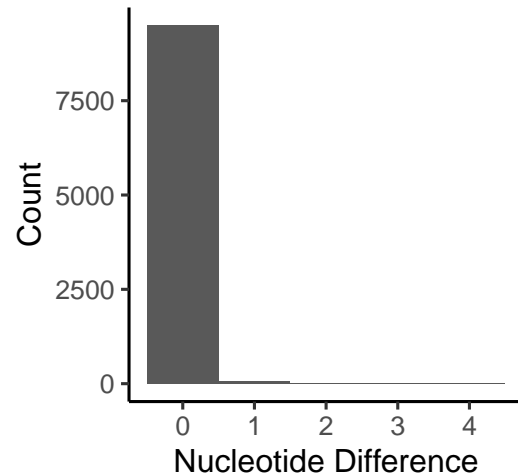
TRBV2*ap01

4065 sequences assigned
4024 (99%) exact matches, in which:
3938 unique CDR3
13 unique J



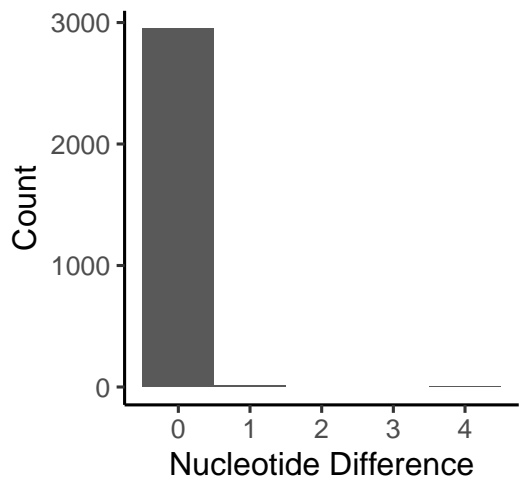
TRBV28*ap01

9559 sequences assigned
9495 (99.3%) exact matches, in which:
9352 unique CDR3
13 unique J



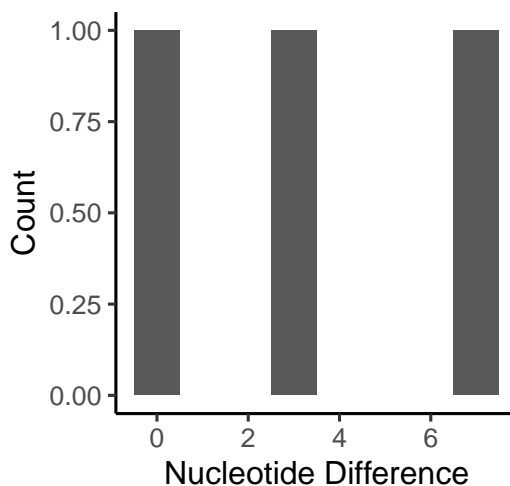
TRBV18*ap01

2963 sequences assigned
2949 (99.5%) exact matches, in which:
2910 unique CDR3
13 unique J



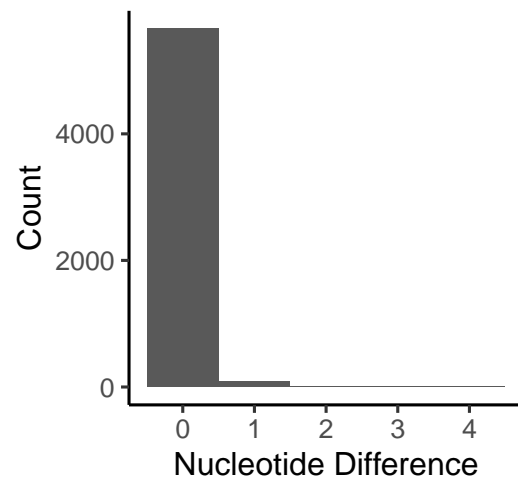
TRBV26*ap01

3 sequences assigned
1 (33.3%) exact matches, in which:
1 unique CDR3
1 unique J



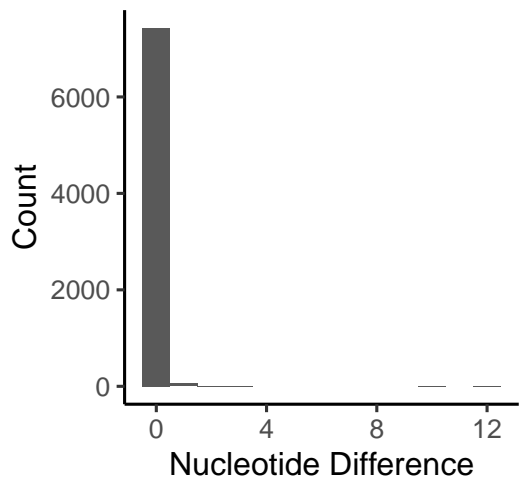
TRBV30*ap01

5767 sequences assigned
5661 (98.2%) exact matches, in which:
5401 unique CDR3
13 unique J



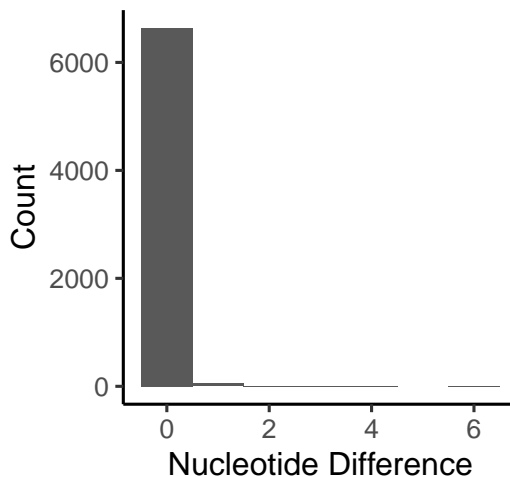
TRBV19*ap01

7491 sequences assigned
7428 (99.2%) exact matches, in which:
7376 unique CDR3
13 unique J



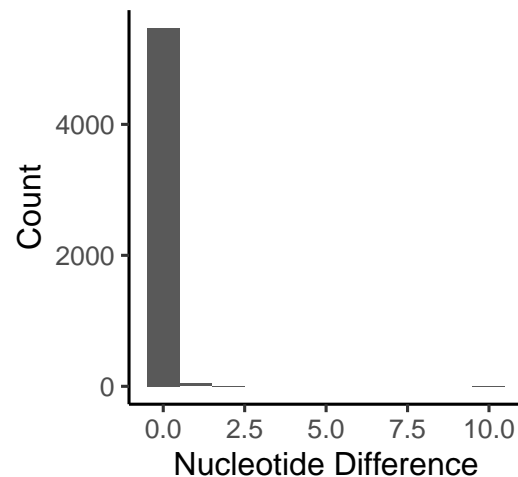
TRBV27*ap01

6699 sequences assigned
6637 (99.1%) exact matches, in which:
6531 unique CDR3
13 unique J



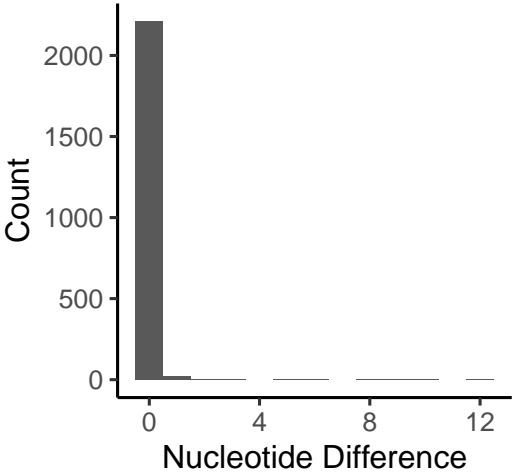
TRBV9*ap01

5518 sequences assigned
5471 (99.1%) exact matches, in which:
5405 unique CDR3
13 unique J



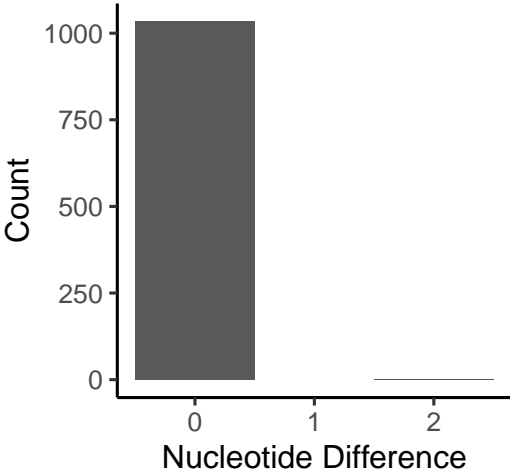
TRBV21-1*ap01

2243 sequences assigned
2210 (98.5%) exact matches, in which:
2183 unique CDR3
13 unique J



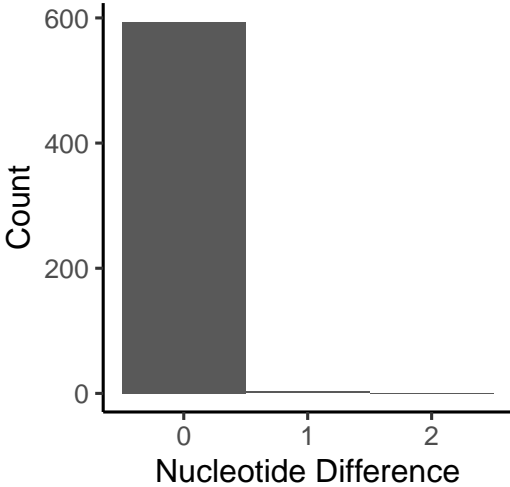
TRBV11-3*ap01

1035 sequences assigned
1034 (99.9%) exact matches, in which:
1031 unique CDR3
13 unique J



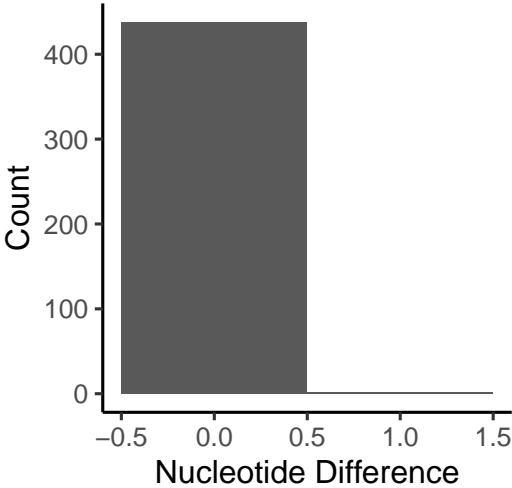
TRBV12-5*ap01

598 sequences assigned
594 (99.3%) exact matches, in which:
586 unique CDR3
13 unique J



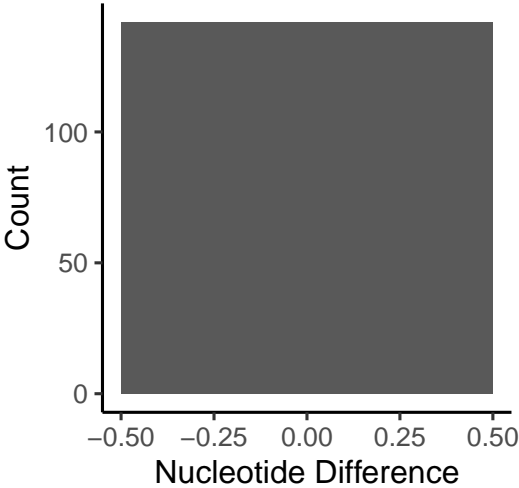
TRBV11-1*ap01

440 sequences assigned
438 (99.5%) exact matches, in which:
433 unique CDR3
12 unique J



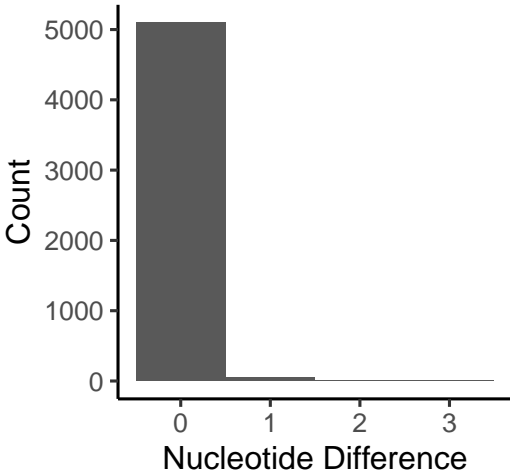
TRBV12-1*ap01

142 sequences assigned
142 (100%) exact matches, in which:
137 unique CDR3
12 unique J



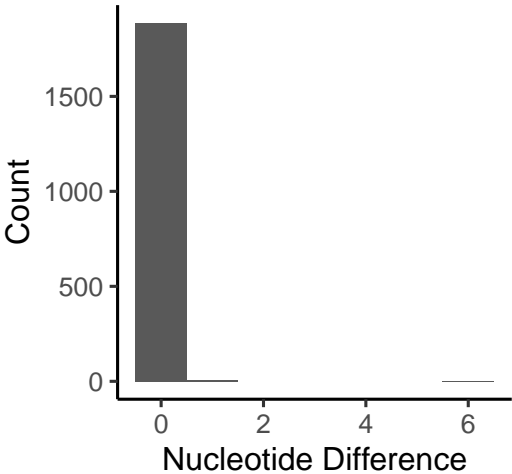
TRBV12-34*ap01

5142 sequences assigned
5097 (99.1%) exact matches, in which:
4990 unique CDR3
13 unique J



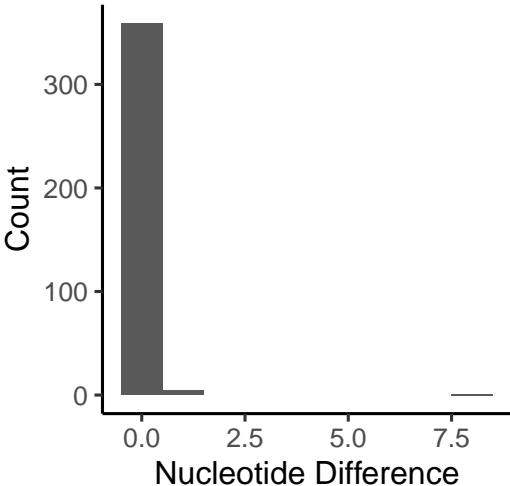
TRBV11-2*ap01

1893 sequences assigned
1886 (99.6%) exact matches, in which:
1870 unique CDR3
13 unique J



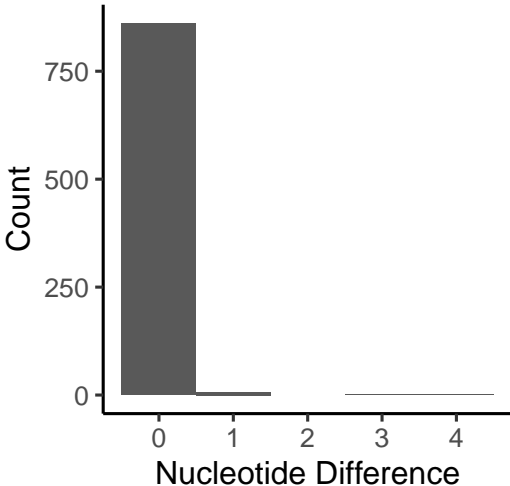
TRBV12-2*ap01

364 sequences assigned
359 (98.6%) exact matches, in which:
351 unique CDR3
13 unique J



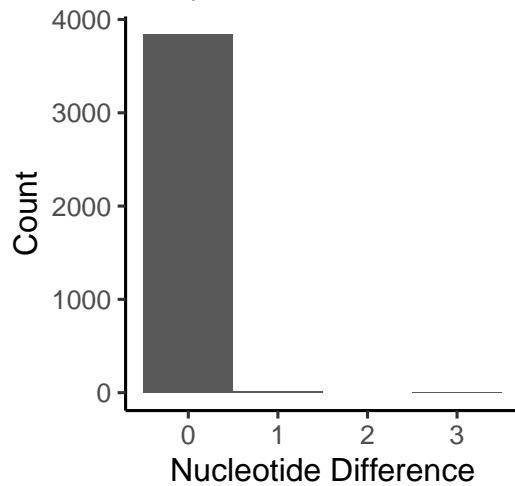
TRBV23-1*ap01

870 sequences assigned
861 (99%) exact matches, in which:
846 unique CDR3
13 unique J



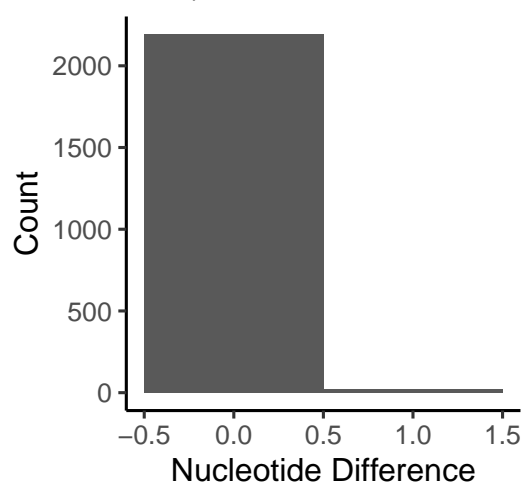
TRBV3-12*ap01

3858 sequences assigned
3840 (99.5%) exact matches, in which:
3803 unique CDR3
13 unique J



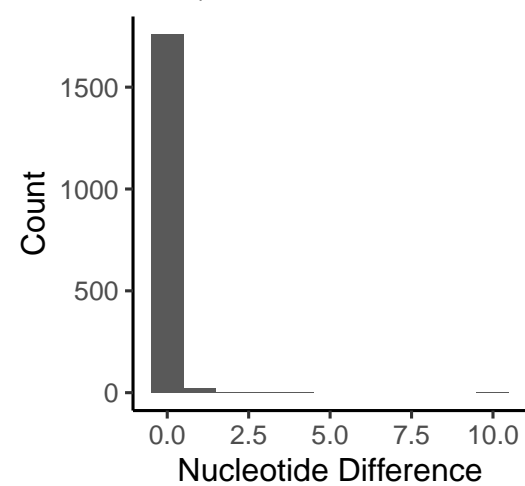
TRBV4-2*ap01

2216 sequences assigned
2192 (98.9%) exact matches, in which:
2154 unique CDR3
13 unique J



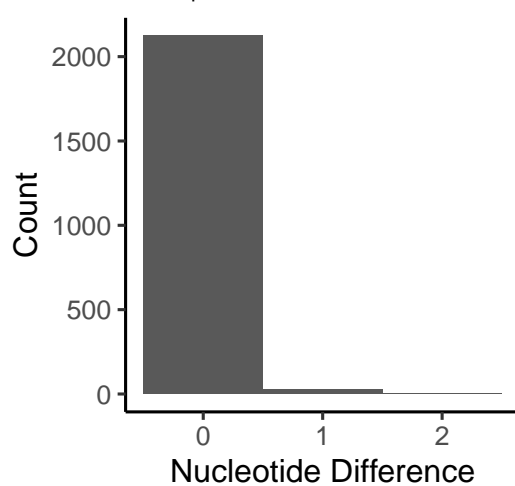
TRBV25-1*ap01

1786 sequences assigned
1759 (98.5%) exact matches, in which:
1691 unique CDR3
14 unique J



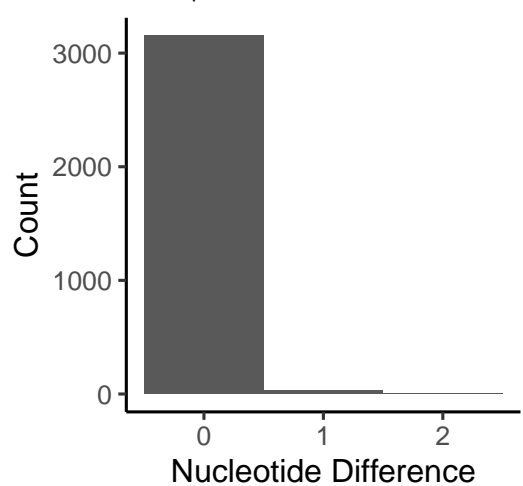
TRBV4-1*ap01

2151 sequences assigned
2124 (98.7%) exact matches, in which:
2083 unique CDR3
13 unique J



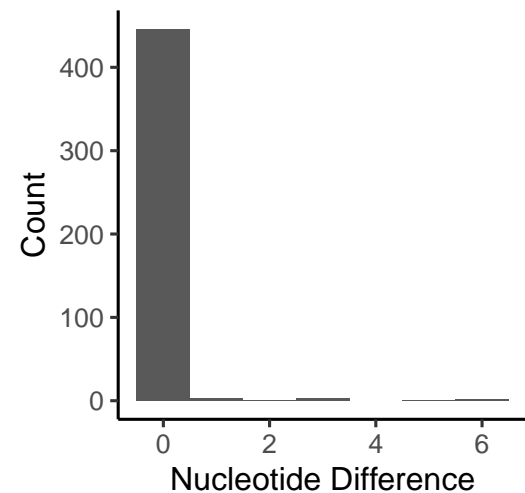
TRBV4-3*ap01

3188 sequences assigned
3153 (98.9%) exact matches, in which:
3090 unique CDR3
13 unique J



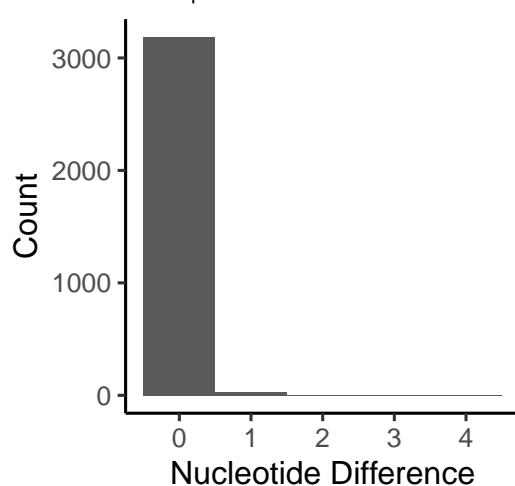
TRBV5-3*ap01

456 sequences assigned
446 (97.8%) exact matches, in which:
434 unique CDR3
13 unique J



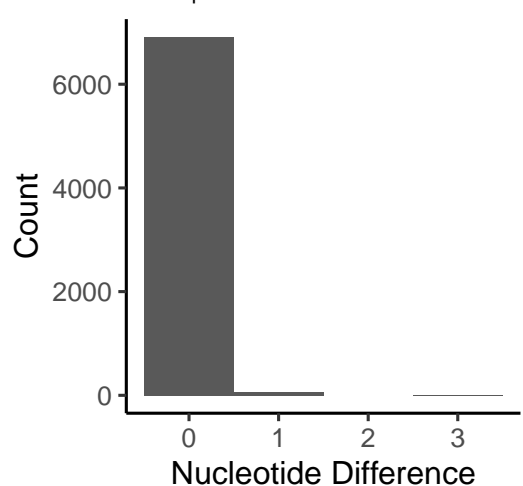
TRBV24-1*ap01

3224 sequences assigned
3186 (98.8%) exact matches, in which:
3119 unique CDR3
13 unique J



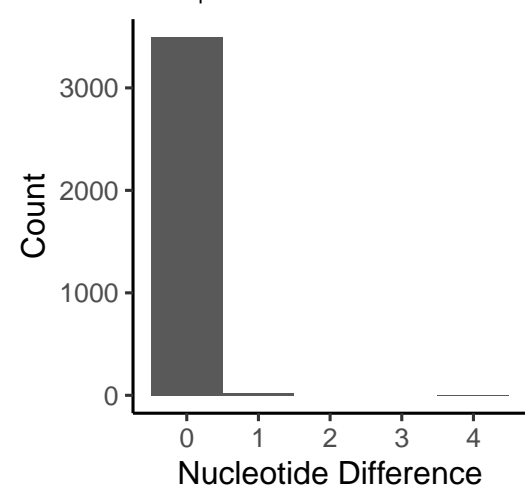
TRBV5-1*ap01

6978 sequences assigned
6910 (99%) exact matches, in which:
6729 unique CDR3
13 unique J



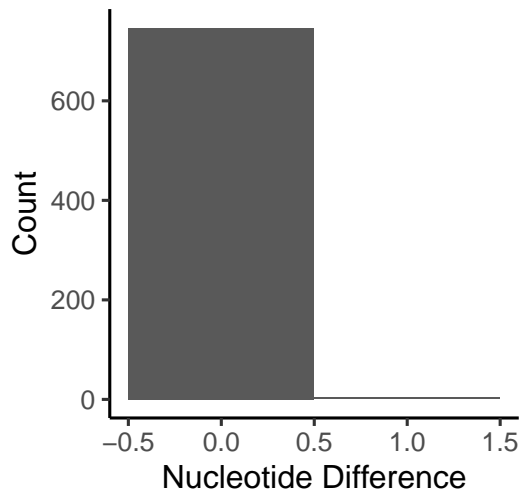
TRBV5-4*ap01

3517 sequences assigned
3496 (99.4%) exact matches, in which:
3397 unique CDR3
13 unique J



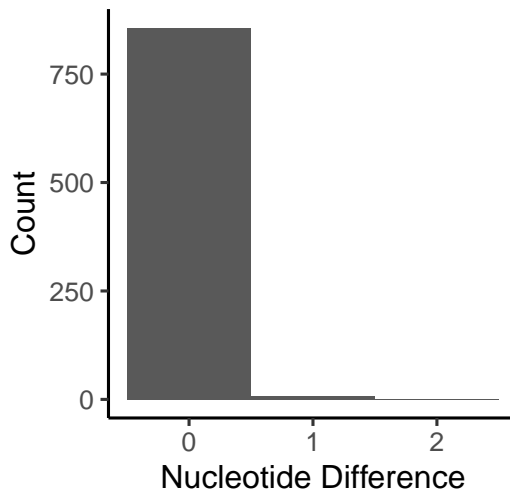
TRBV5-5*ap01

751 sequences assigned
747 (99.5%) exact matches, in which:
740 unique CDR3
13 unique J



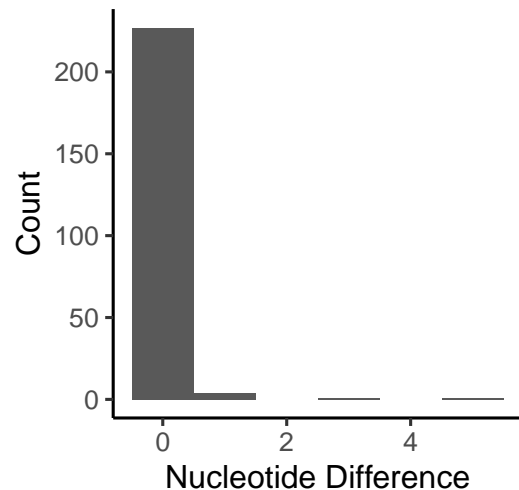
TRBV5-8*ap01

865 sequences assigned
857 (99.1%) exact matches, in which:
847 unique CDR3
13 unique J



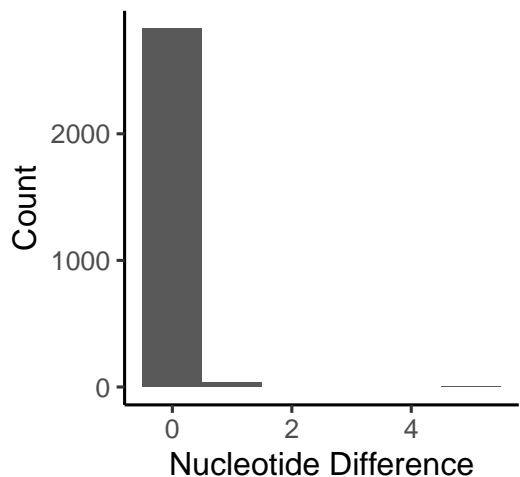
TRBV6-7*ap01

233 sequences assigned
227 (97.4%) exact matches, in which:
218 unique CDR3
13 unique J



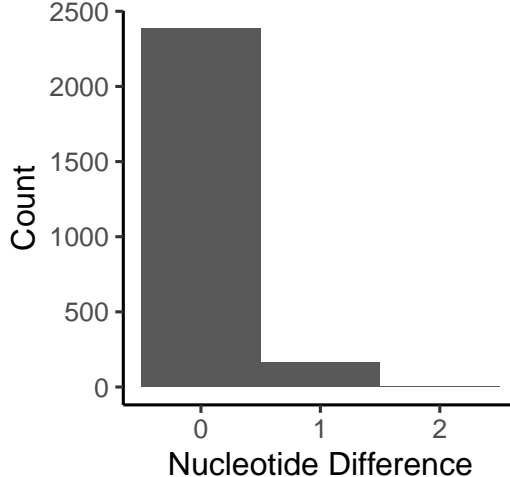
TRBV5-6*ap01

2865 sequences assigned
2830 (98.8%) exact matches, in which:
2739 unique CDR3
13 unique J



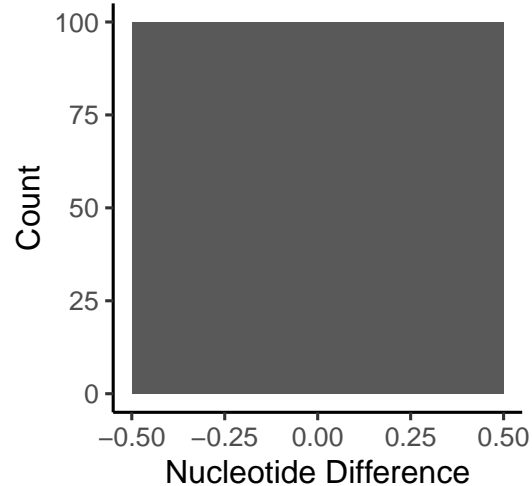
TRBV6-1*ap01

2548 sequences assigned
2384 (93.6%) exact matches, in which:
2316 unique CDR3
13 unique J



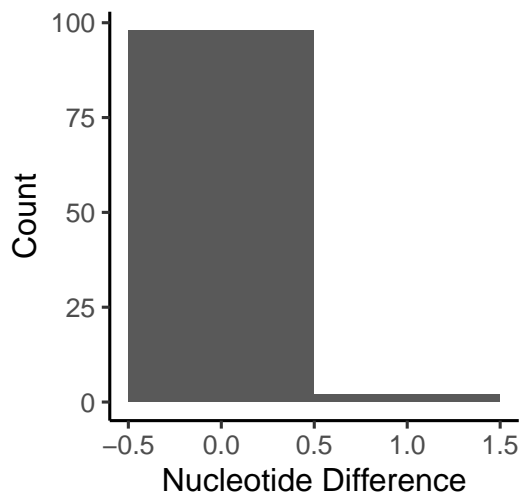
TRBV6-8*ap01

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



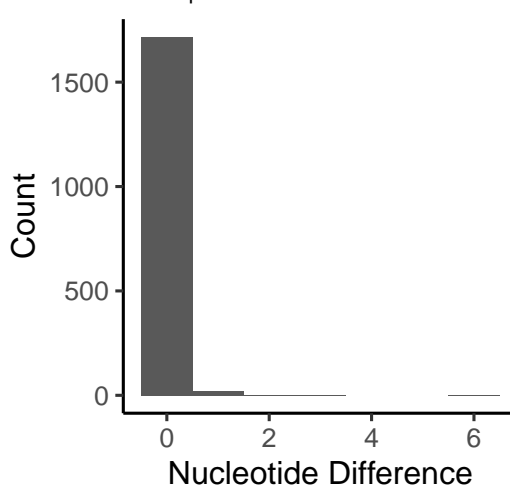
TRBV5-7*ap01

100 sequences assigned
98 (98%) exact matches, in which:
90 unique CDR3
13 unique J



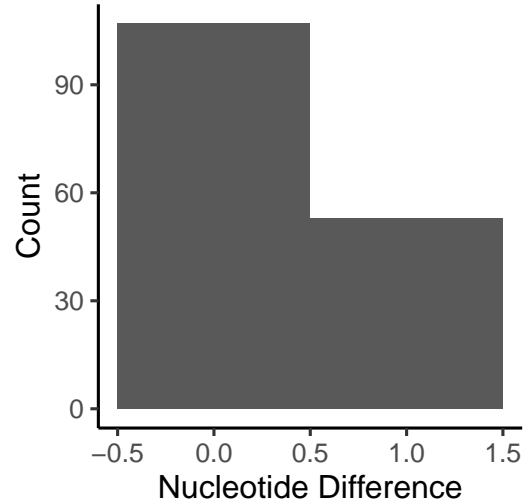
TRBV6-4*ap01

1742 sequences assigned
1716 (98.5%) exact matches, in which:
1695 unique CDR3
13 unique J



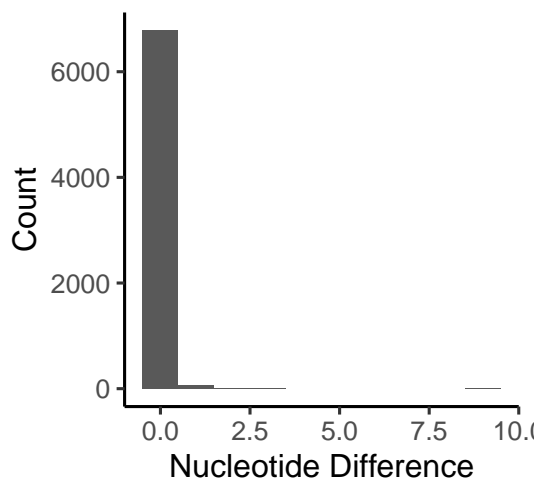
TRBV6-9*ap01

160 sequences assigned
107 (66.9%) exact matches, in which:
103 unique CDR3
13 unique J



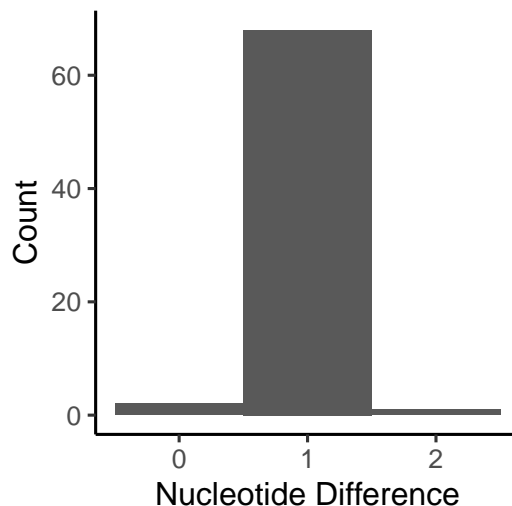
TRBV6-23*ap01

6862 sequences assigned
6782 (98.8%) exact matches, in which:
6526 unique CDR3
13 unique J



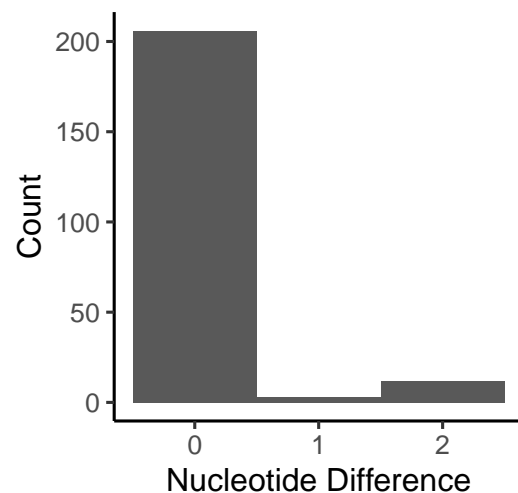
TRBV7-1*ap01_T296C

71 sequences assigned
2 (2.8%) exact matches, in which:
2 unique CDR3
2 unique J



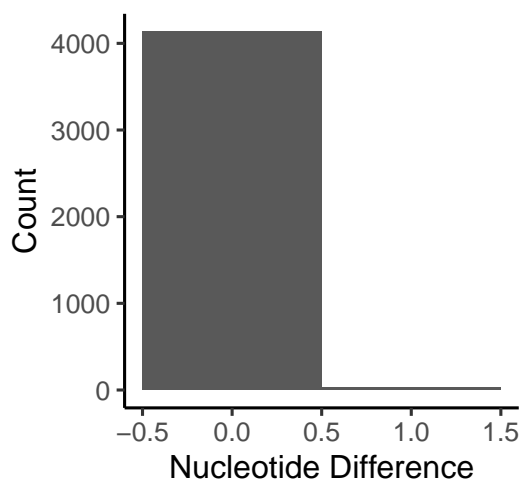
TRBV7-4*ap01

221 sequences assigned
206 (93.2%) exact matches, in which:
200 unique CDR3
13 unique J



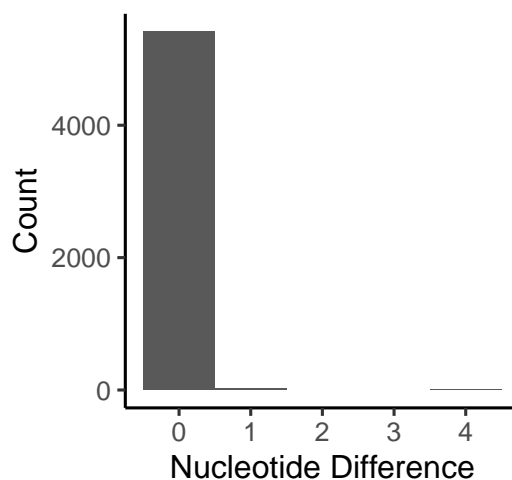
TRBV6-56*ap01

4168 sequences assigned
4134 (99.2%) exact matches, in which:
3984 unique CDR3
13 unique J



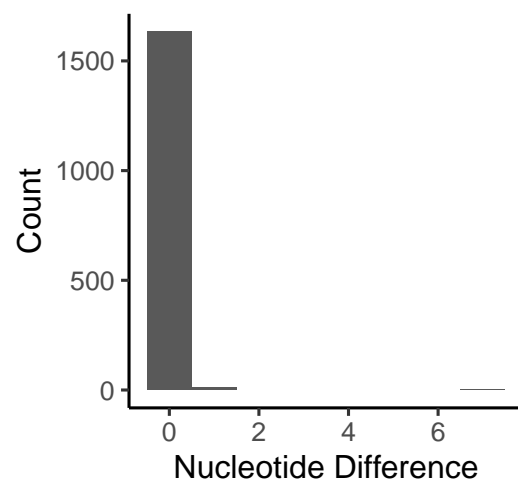
TRBV7-2*ap01

5444 sequences assigned
5413 (99.4%) exact matches, in which:
5342 unique CDR3
13 unique J



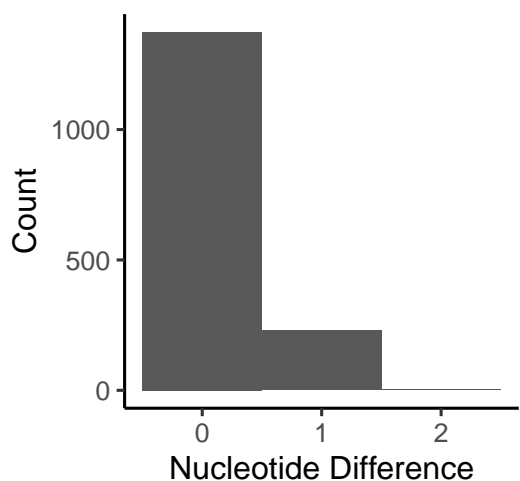
TRBV7-6*ap01

1647 sequences assigned
1633 (99.1%) exact matches, in which:
1608 unique CDR3
13 unique J



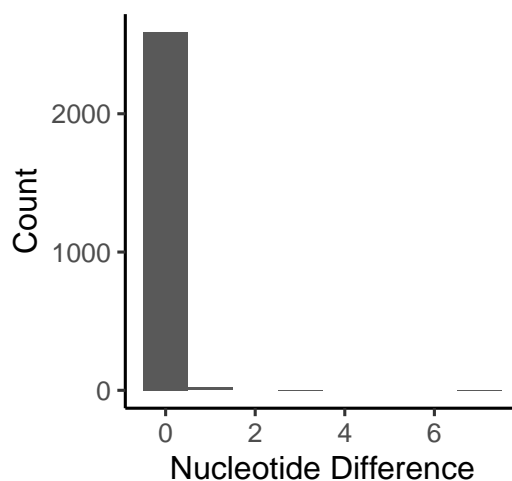
TRBV6-56*ap02

1606 sequences assigned
1374 (85.6%) exact matches, in which:
1328 unique CDR3
13 unique J



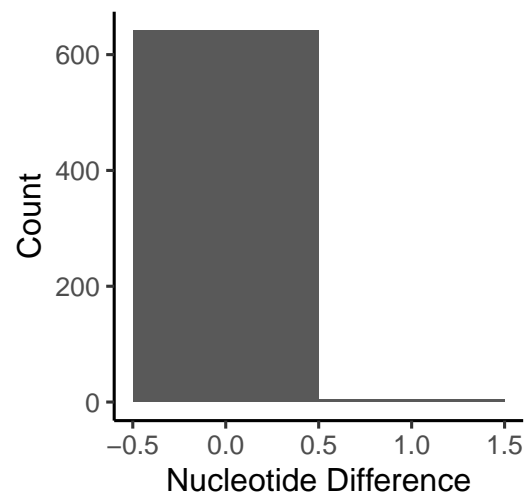
TRBV7-3*ap01

2616 sequences assigned
2591 (99%) exact matches, in which:
2572 unique CDR3
13 unique J



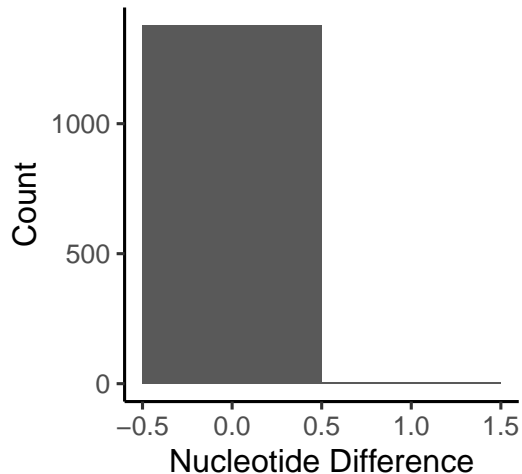
TRBV7-7*ap01_C315T

647 sequences assigned
642 (99.2%) exact matches, in which:
623 unique CDR3
13 unique J



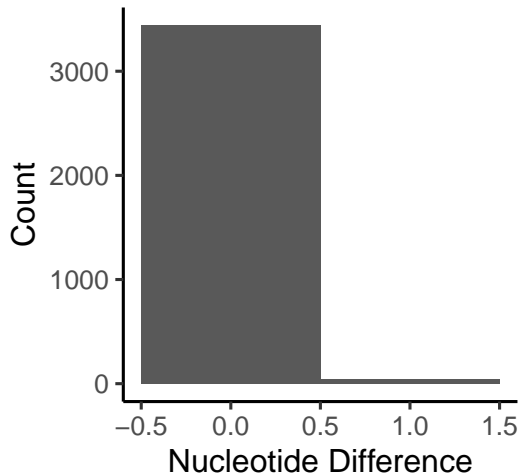
TRBV7-8*ap01

1385 sequences assigned
1378 (99.5%) exact matches, in which:
1354 unique CDR3
13 unique J



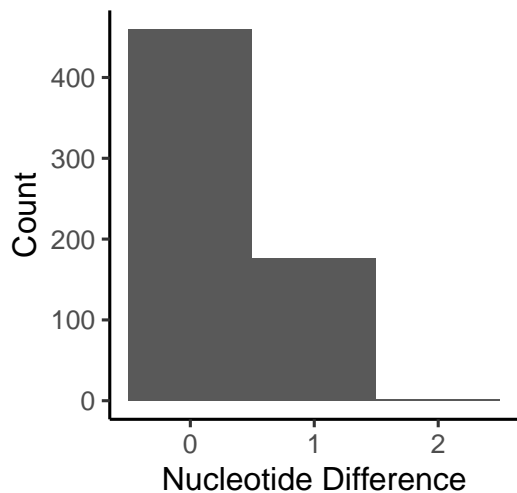
TRBV29-1*ap01

3487 sequences assigned
3440 (98.7%) exact matches, in which:
3279 unique CDR3
13 unique J



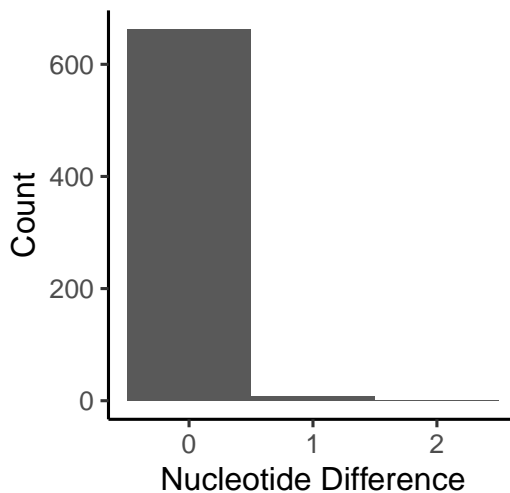
TRBV7-8*ap03

638 sequences assigned
460 (72.1%) exact matches, in which:
455 unique CDR3
13 unique J



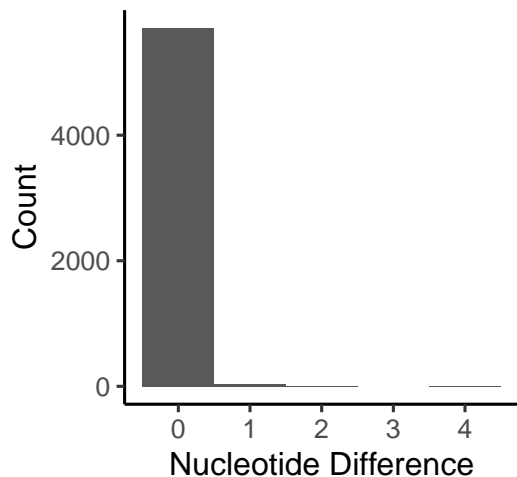
TRBV29-1*ap02

672 sequences assigned
663 (98.7%) exact matches, in which:
630 unique CDR3
13 unique J

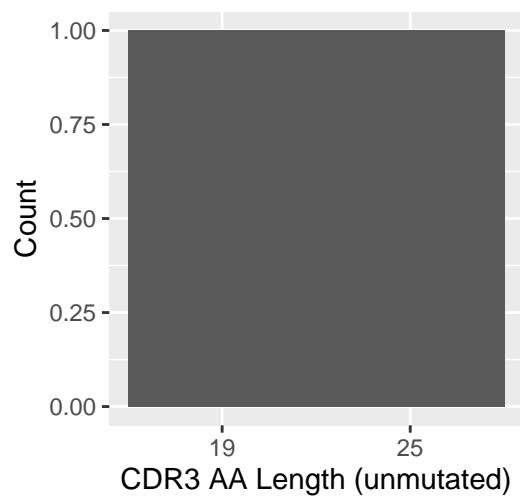


TRBV7-9*ap01

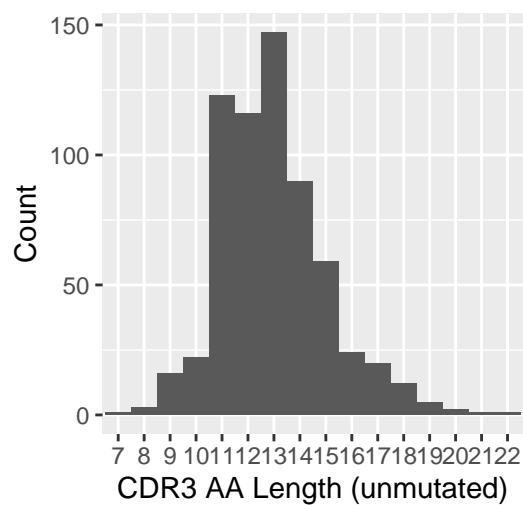
5745 sequences assigned
5707 (99.3%) exact matches, in which:
5601 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]