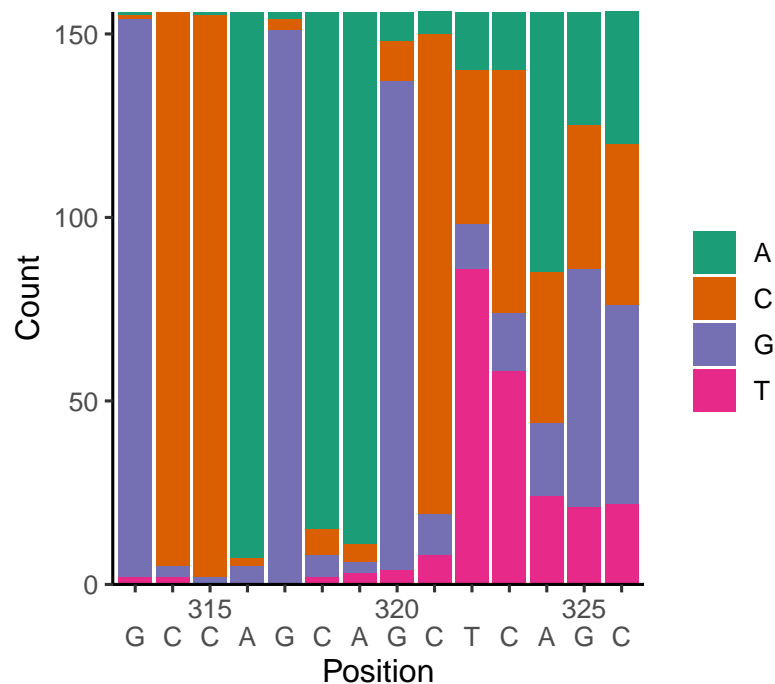
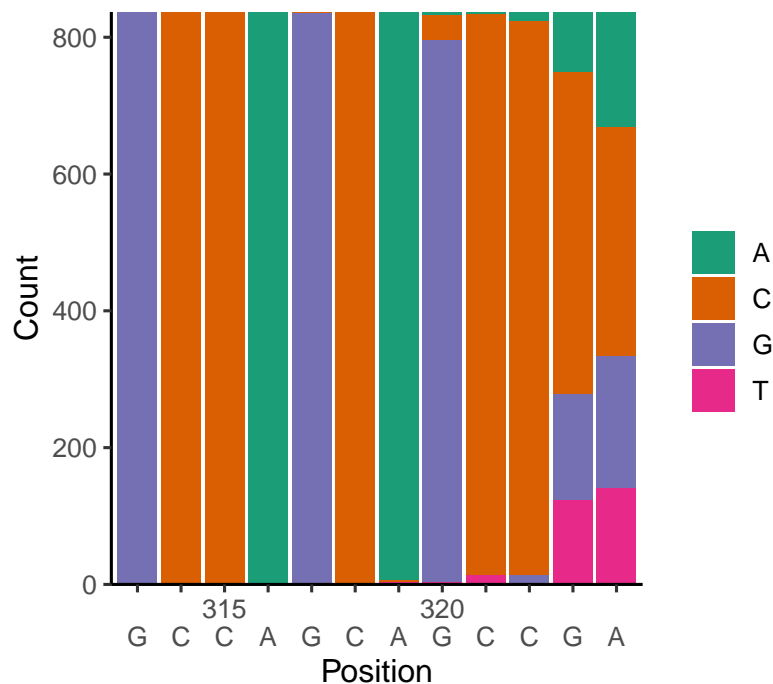


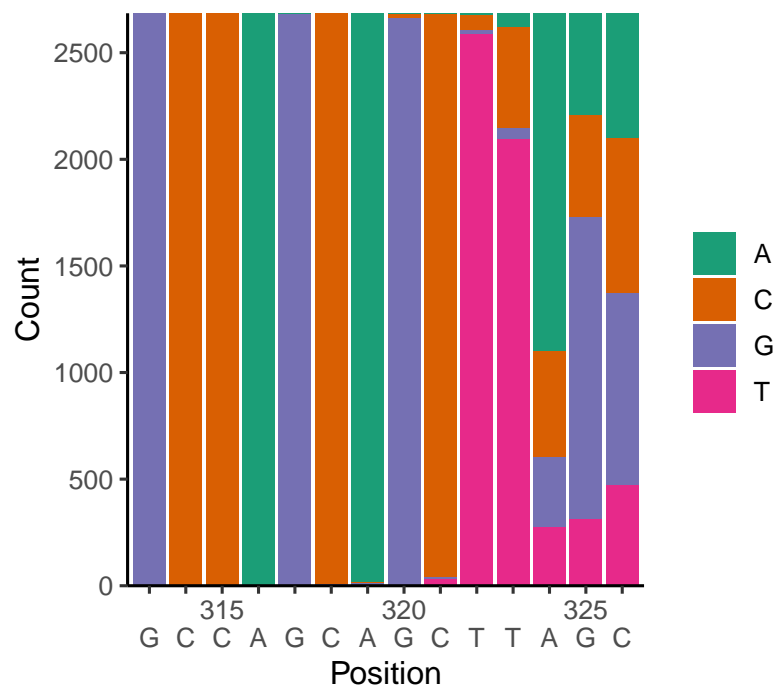
Gene TRBV7-1*ap01_G291C_T296C



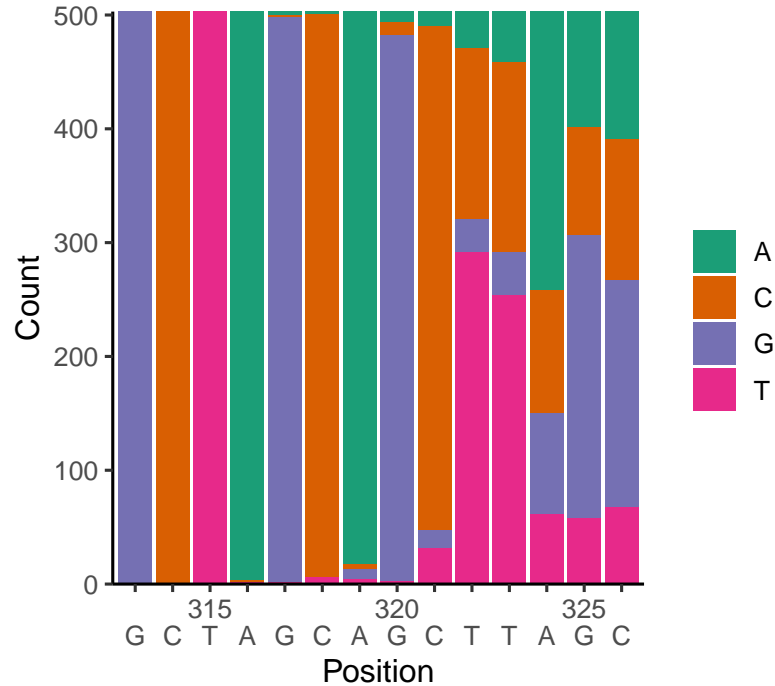
Gene TRBV7-8*ap03_C297A



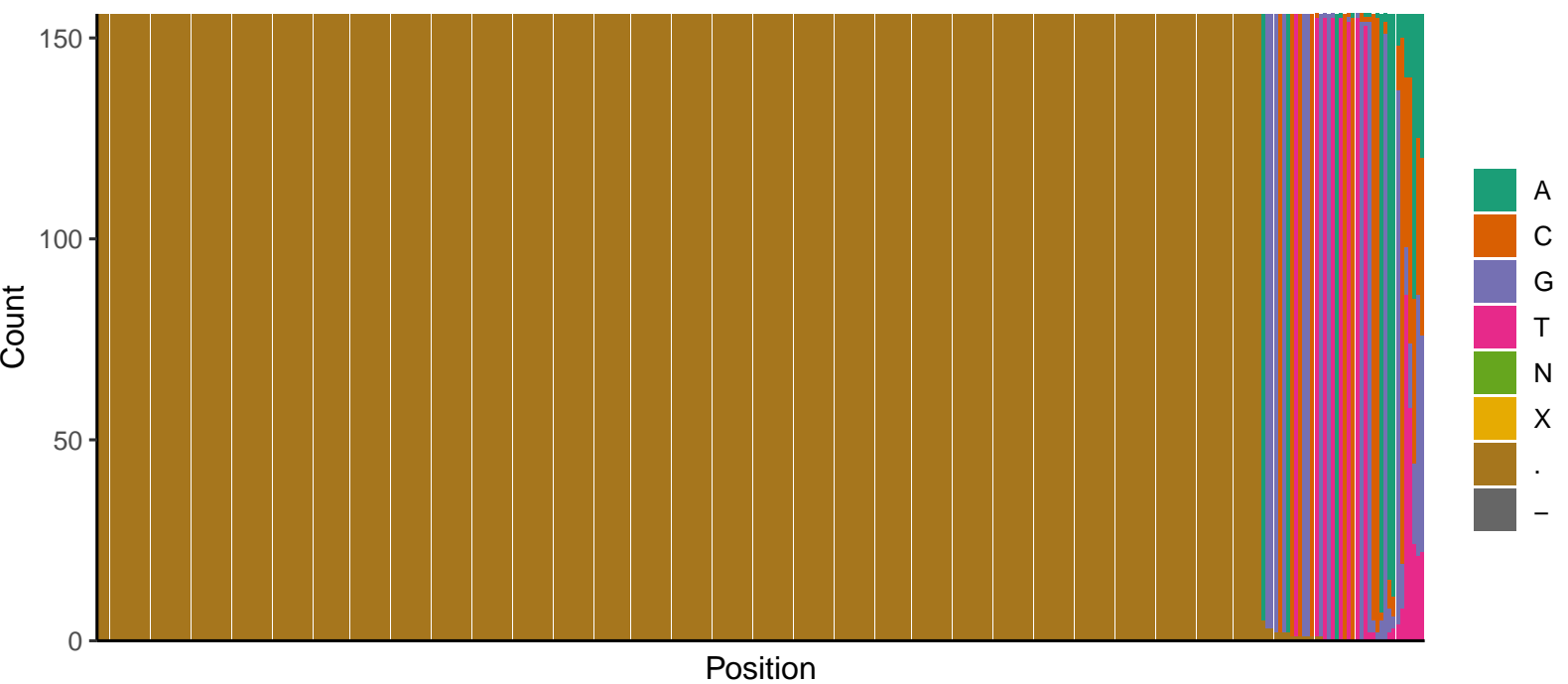
Gene TRBV7-2*ap01_G297A



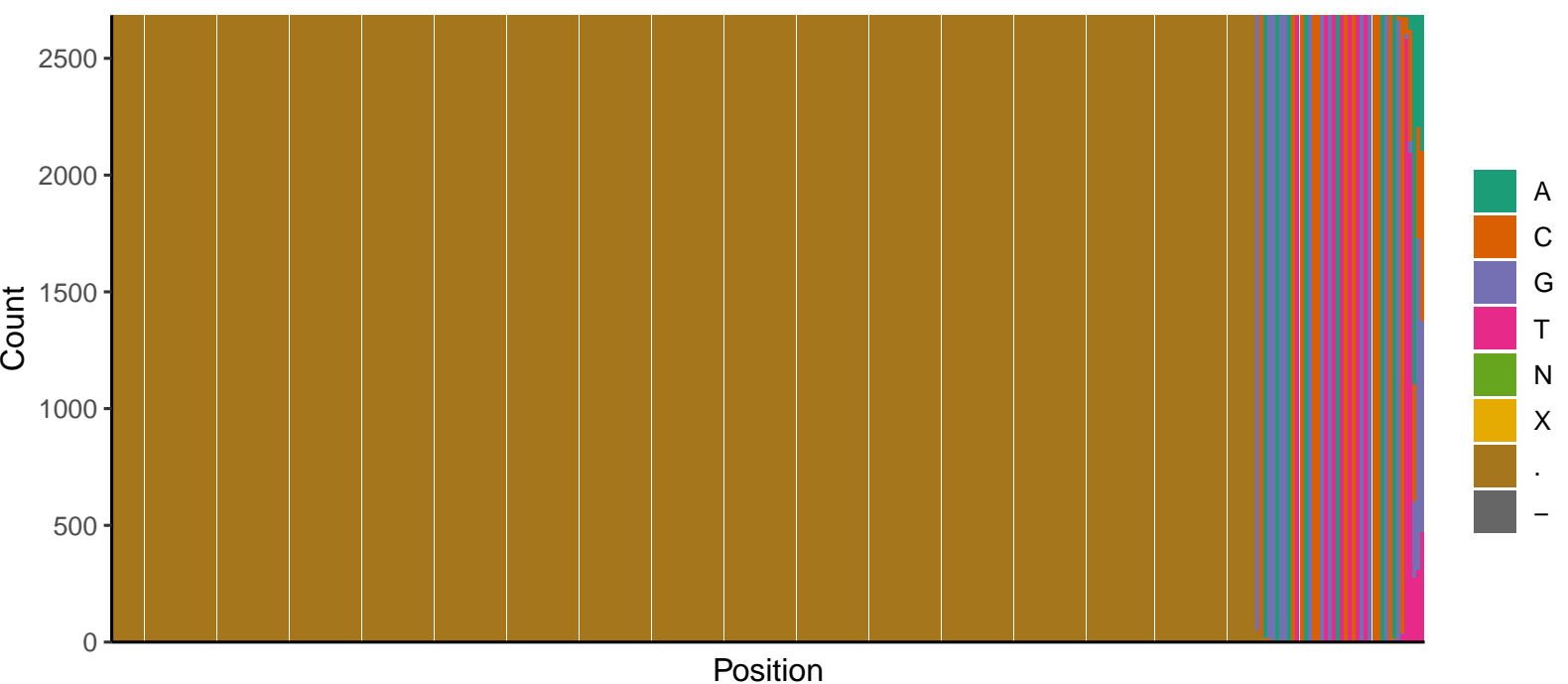
Gene TRBV7-7*ap01_C315T



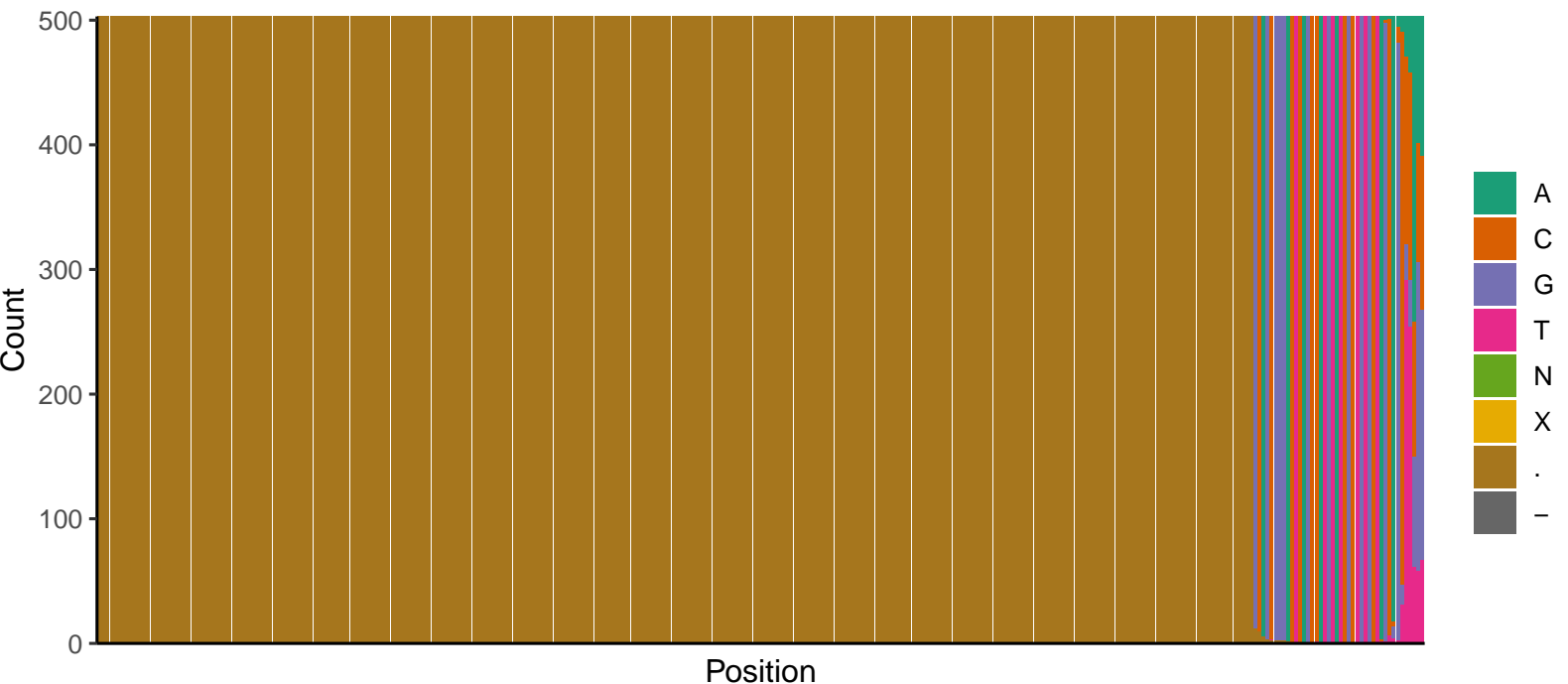
Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-2*ap01_G297A



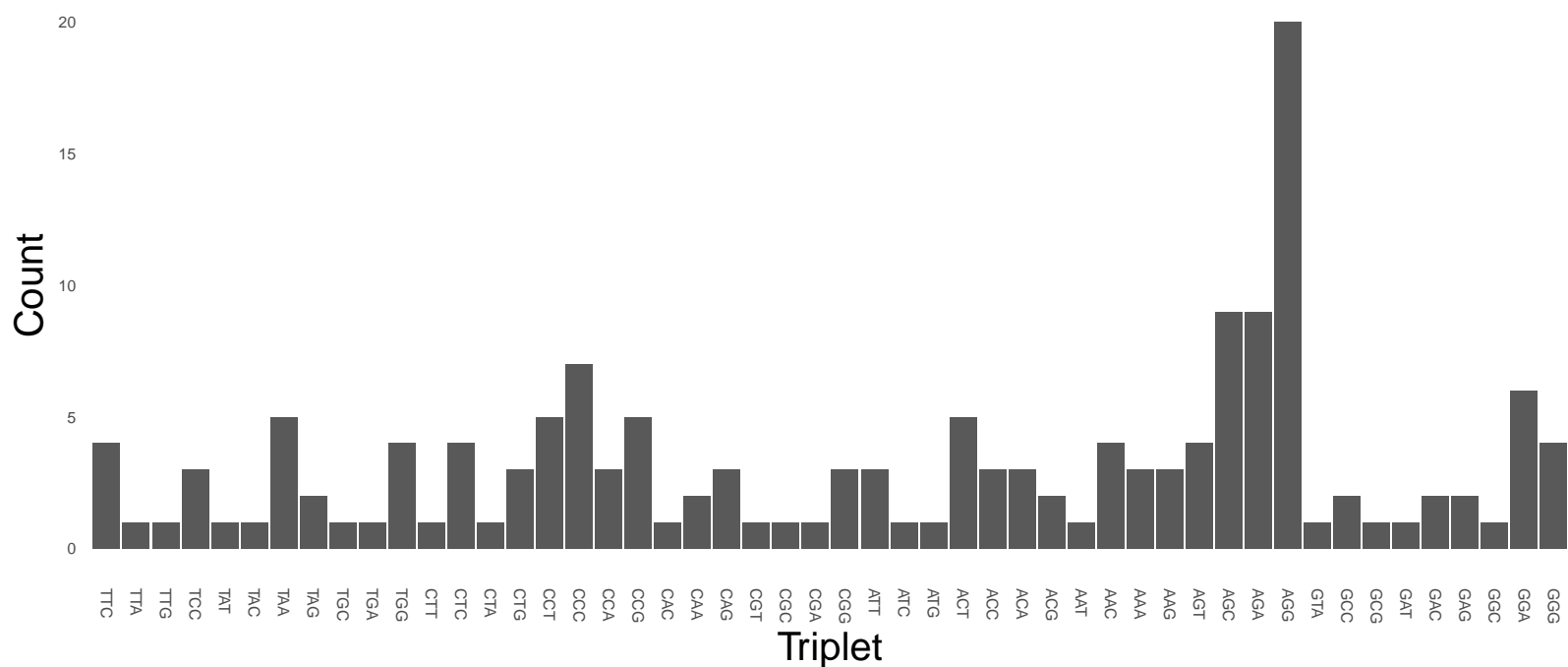
Gene TRBV7-7*ap01_C315T



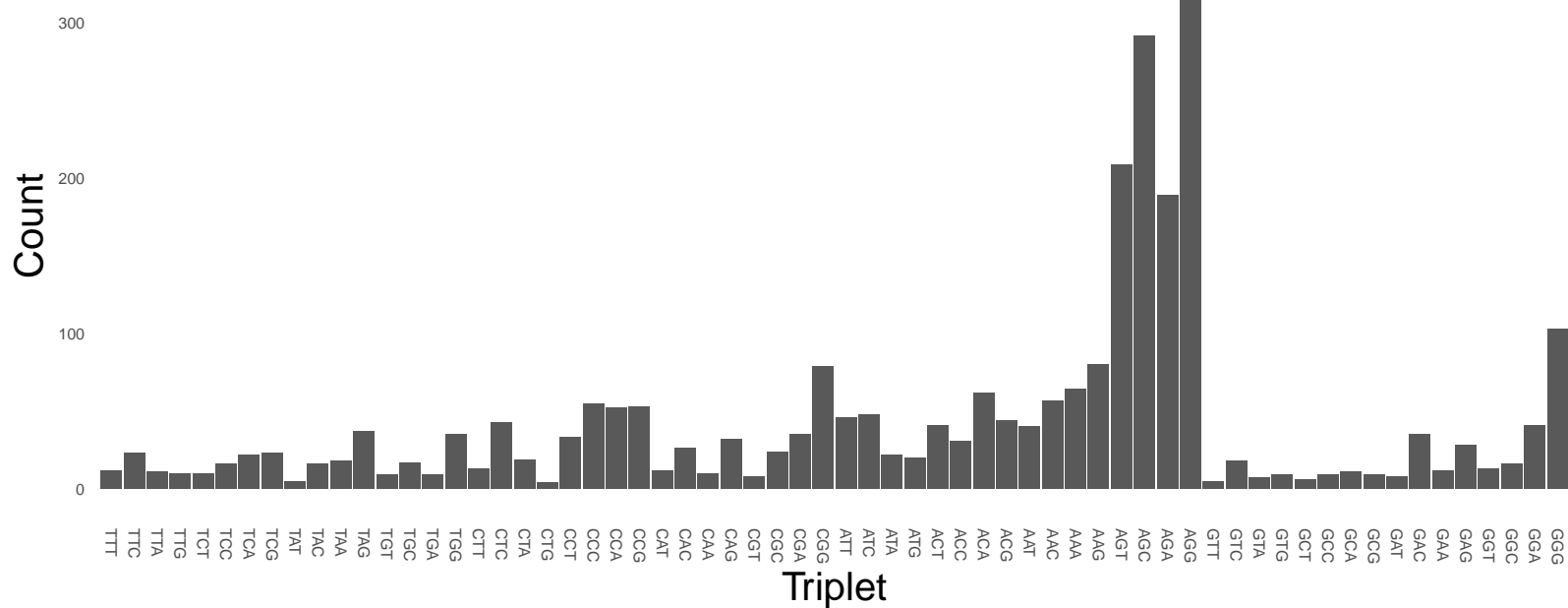
Gene TRBV7-8*ap03_C297A



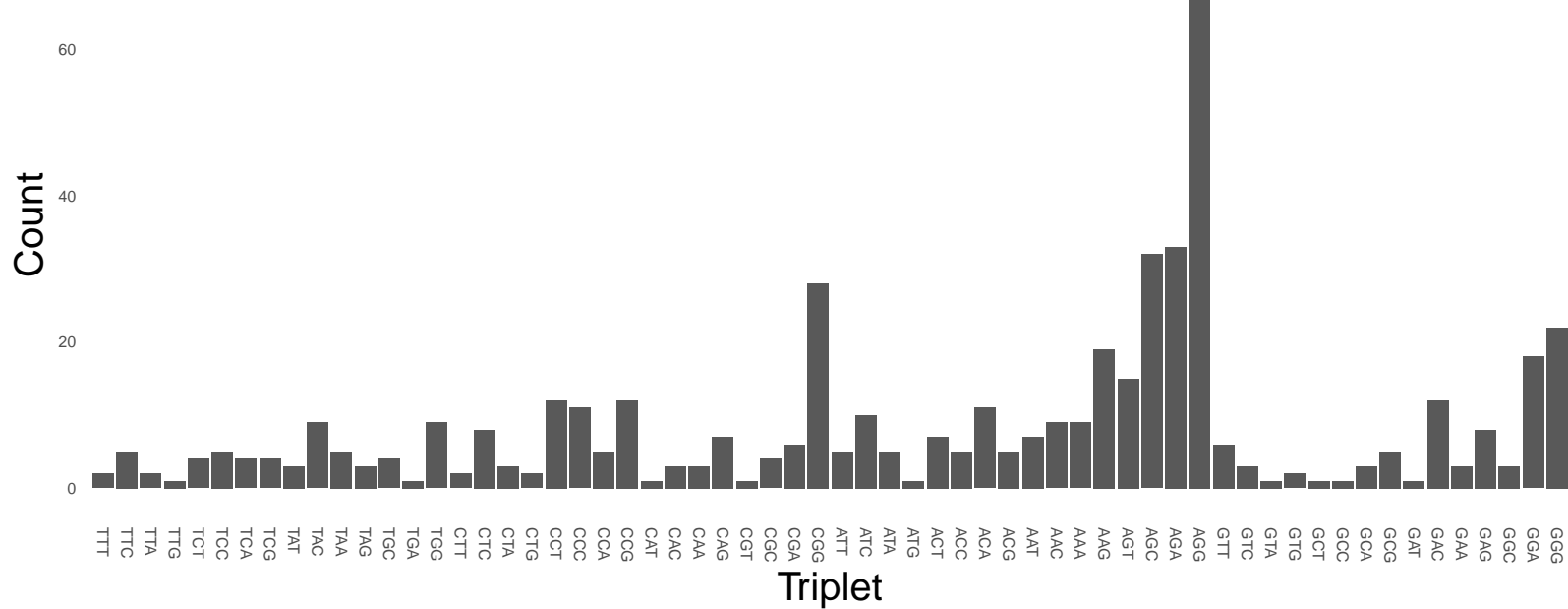
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



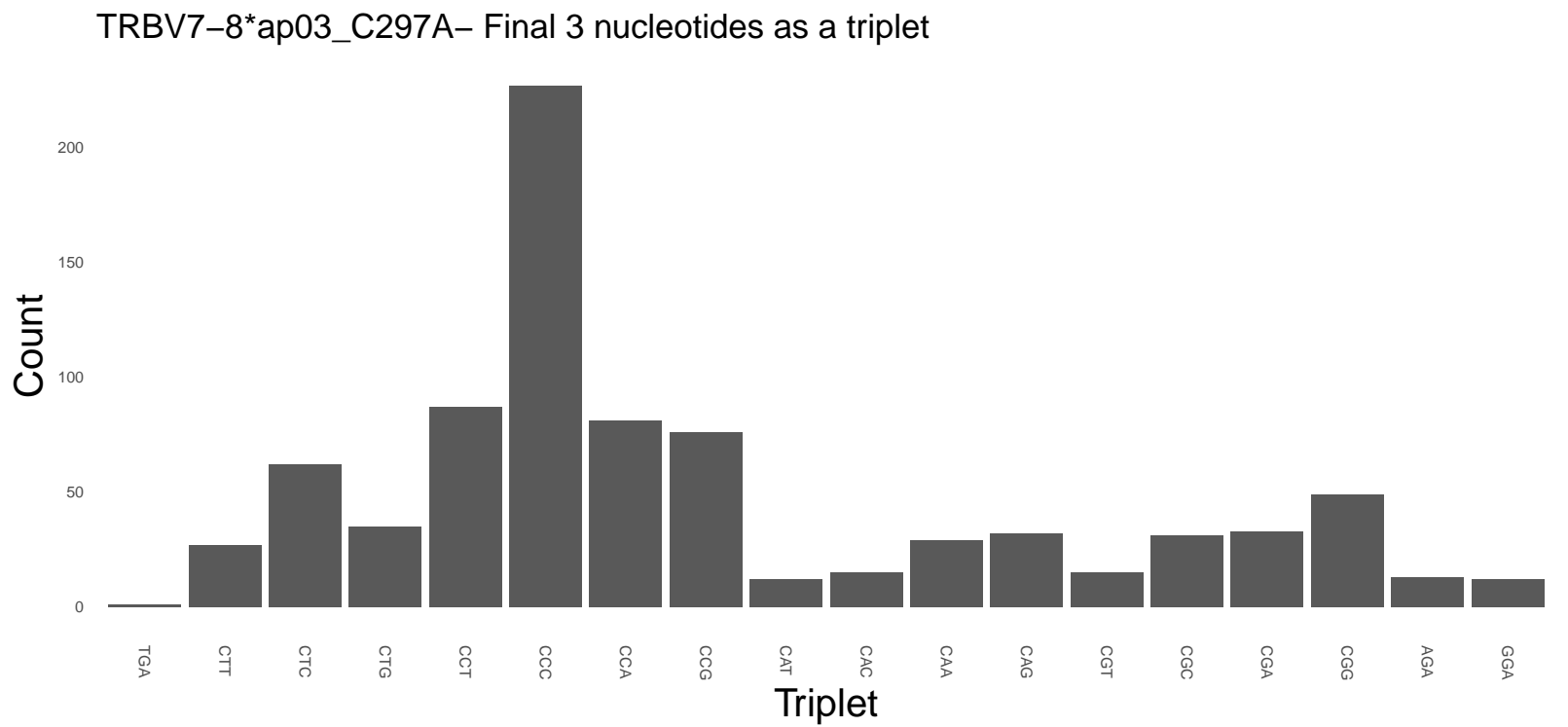
TRBV7-2*ap01_G297A- Final 3 nucleotides as a triplet



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

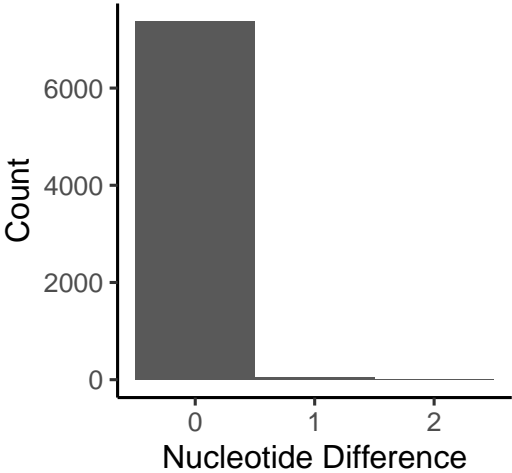


TRBV7-8*ap03_C297A- Final 3 nucleotides as a triplet



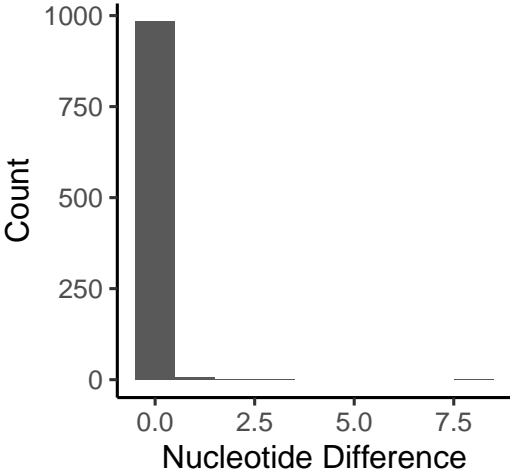
TRBV20-1*ap01

7429 sequences assigned
7372 (99.2%) exact matches, in which:
7305 unique CDR3
13 unique J



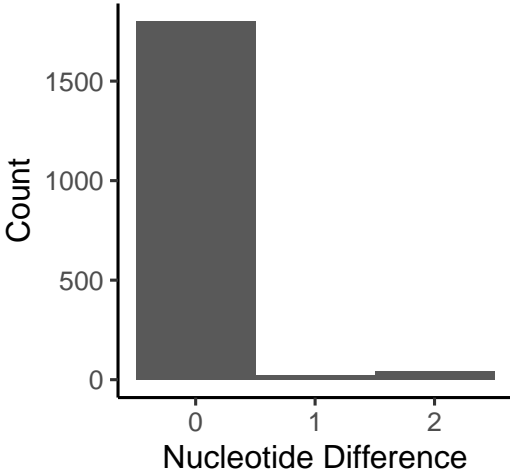
TRBV10-2*ap01

994 sequences assigned
984 (99%) exact matches, in which:
967 unique CDR3
13 unique J



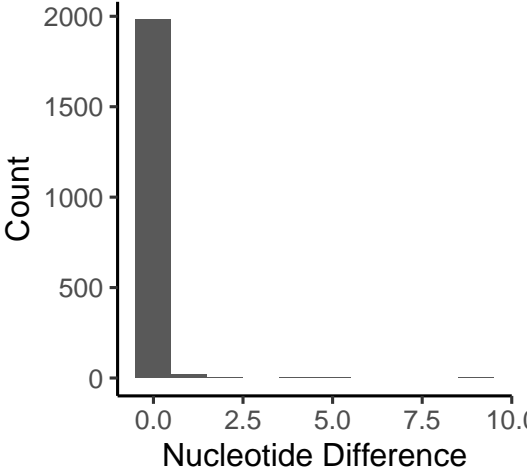
TRBV13*ap01

1866 sequences assigned
1800 (96.5%) exact matches, in which:
1758 unique CDR3
13 unique J



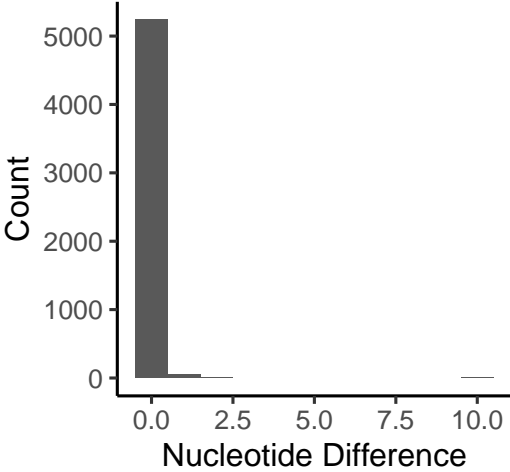
TRBV10-1*ap01

2008 sequences assigned
1981 (98.7%) exact matches, in which:
1949 unique CDR3
13 unique J



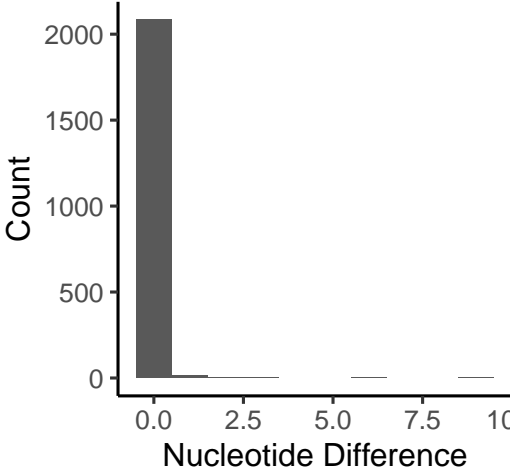
TRBV10-3*ap01

5292 sequences assigned
5239 (99%) exact matches, in which:
5164 unique CDR3
13 unique J



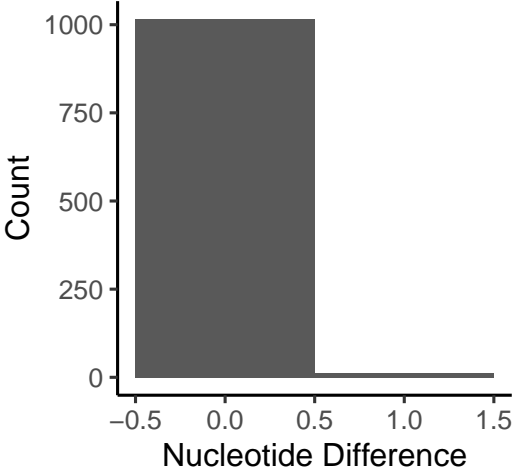
TRBV14*ap01

2101 sequences assigned
2084 (99.2%) exact matches, in which:
2069 unique CDR3
13 unique J



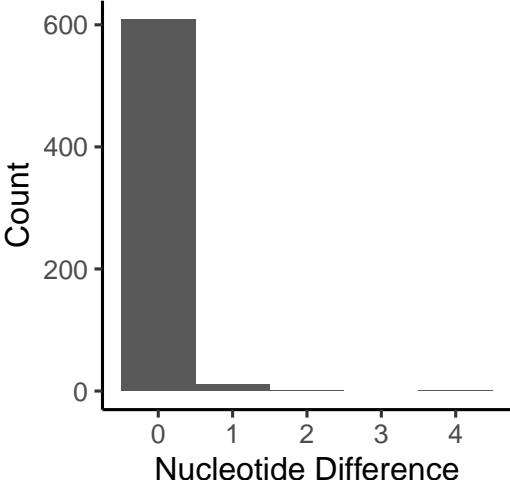
TRBV20-1*ap02

1028 sequences assigned
1016 (98.8%) exact matches, in which:
1009 unique CDR3
13 unique J



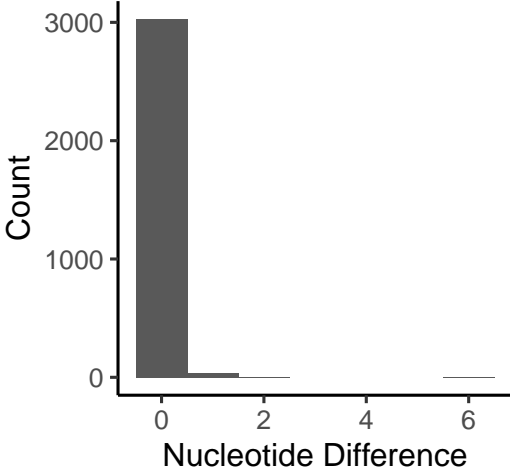
TRBV1*ap01

621 sequences assigned
609 (98.1%) exact matches, in which:
604 unique CDR3
13 unique J



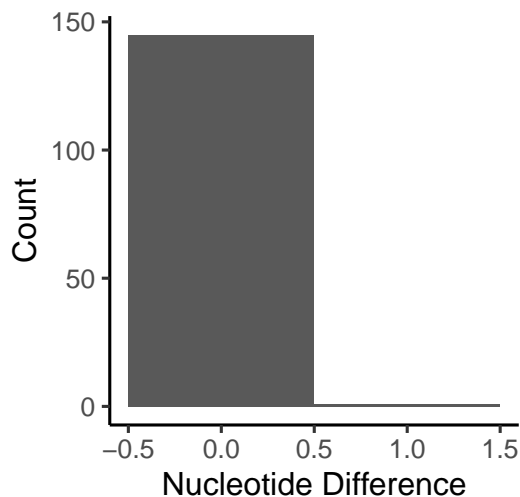
TRBV15*ap02

3065 sequences assigned
3028 (98.8%) exact matches, in which:
2975 unique CDR3
13 unique J



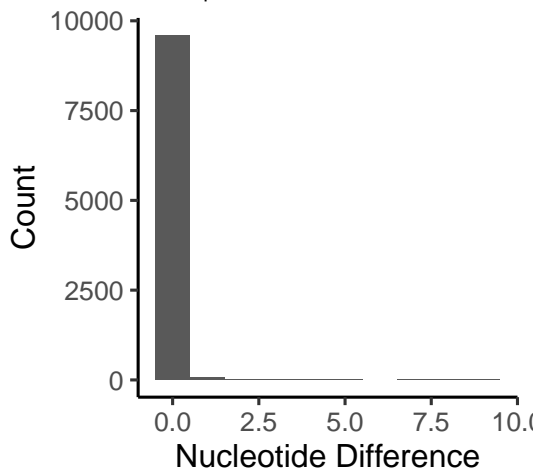
TRBV16*ap01

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



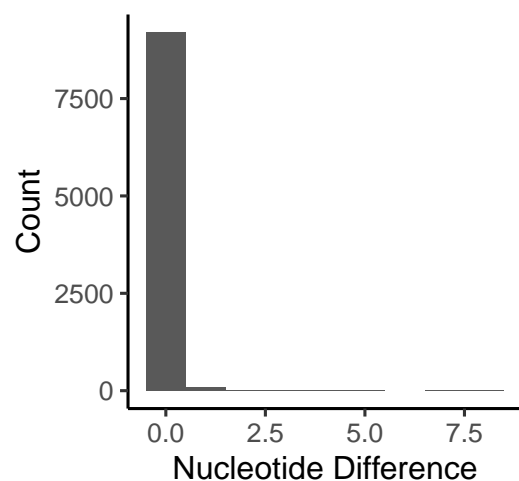
TRBV19*ap01

9687 sequences assigned
9601 (99.1%) exact matches, in which:
9540 unique CDR3
13 unique J



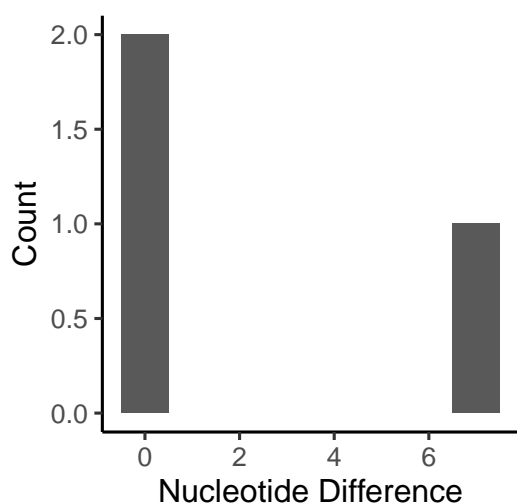
TRBV27*ap01

9315 sequences assigned
9199 (98.8%) exact matches, in which:
9046 unique CDR3
13 unique J



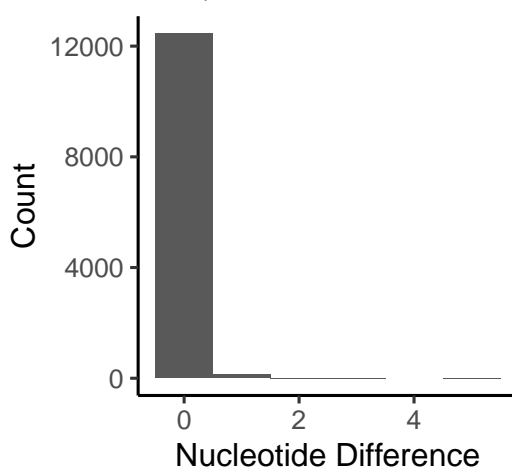
TRBV17*ap01

3 sequences assigned
2 (66.7%) exact matches, in which:
2 unique CDR3
2 unique J



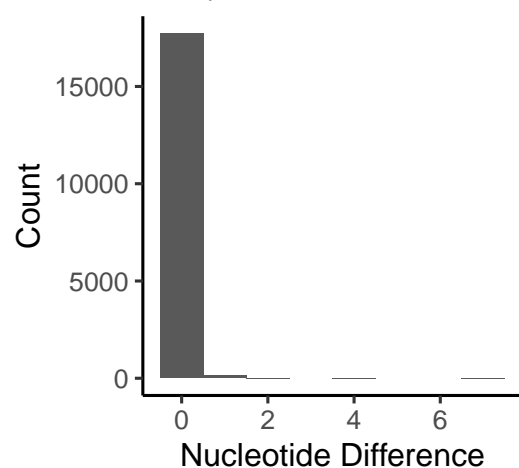
TRBV2*ap01

12607 sequences assigned
12457 (98.8%) exact matches, in which:
12228 unique CDR3
13 unique J



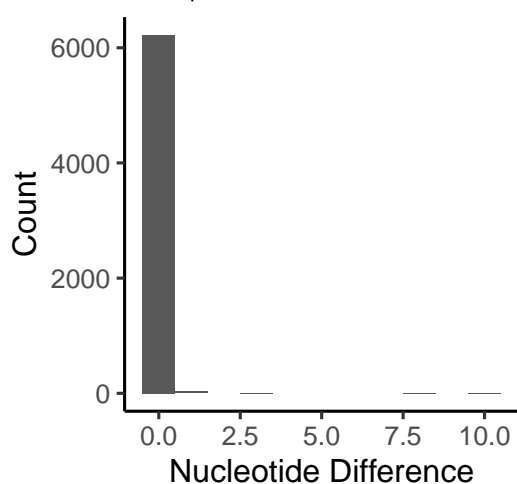
TRBV28*ap01

17862 sequences assigned
17724 (99.2%) exact matches, in which:
17536 unique CDR3
13 unique J



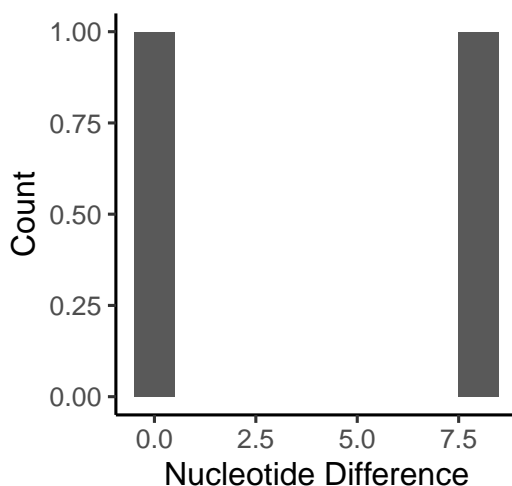
TRBV18*ap01

6253 sequences assigned
6221 (99.5%) exact matches, in which:
6180 unique CDR3
13 unique J



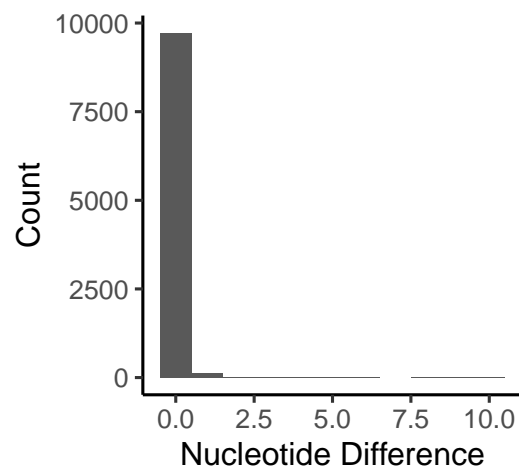
TRBV26*ap01

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



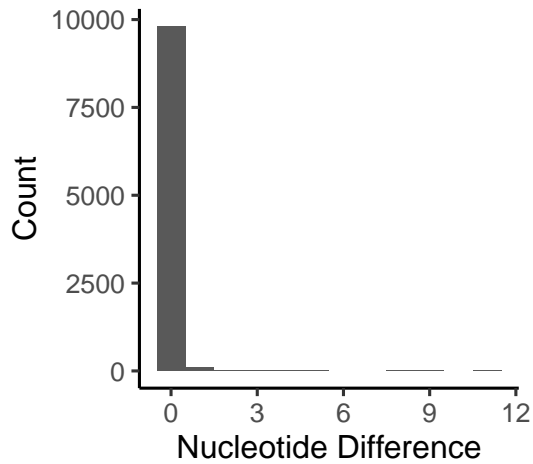
TRBV30*ap01

9889 sequences assigned
9725 (98.3%) exact matches, in which:
9596 unique CDR3
13 unique J



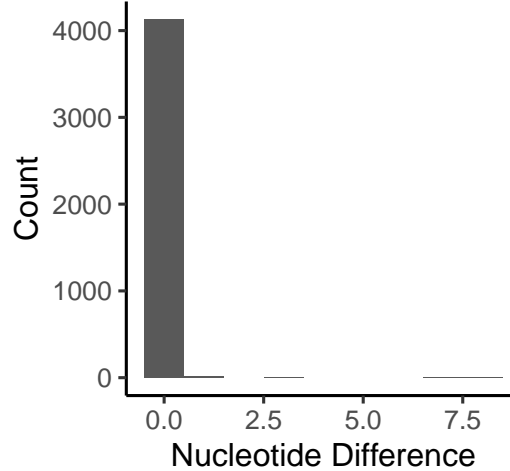
TRBV9*ap01

9914 sequences assigned
9813 (99%) exact matches, in which:
9706 unique CDR3
13 unique J



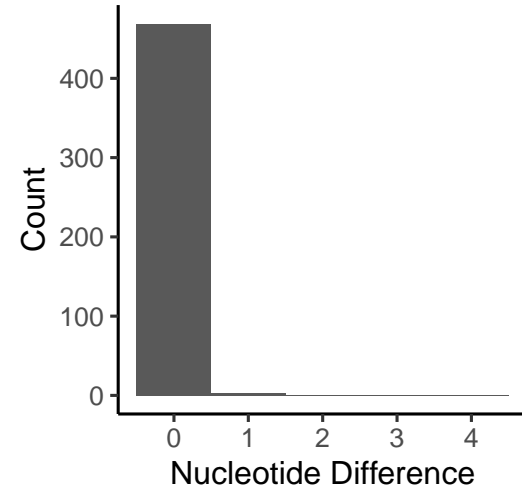
TRBV11-2*ap01

4154 sequences assigned
4129 (99.4%) exact matches, in which:
4090 unique CDR3
13 unique J



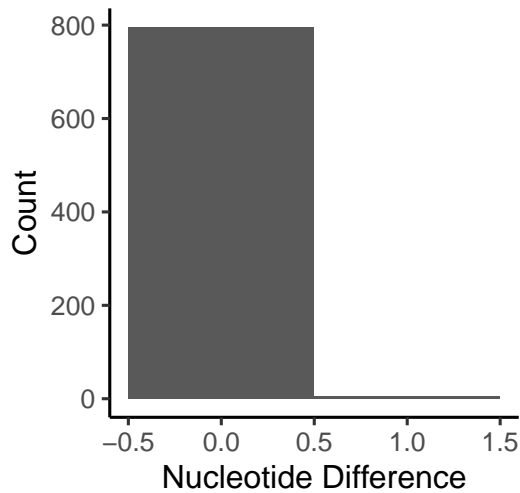
TRBV12-2*ap01

475 sequences assigned
469 (98.7%) exact matches, in which:
462 unique CDR3
13 unique J



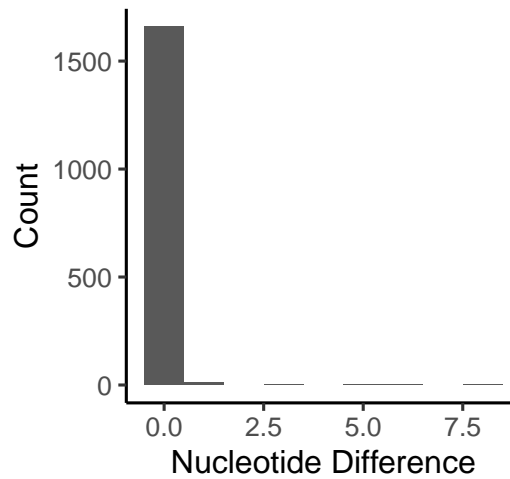
TRBV11-1*ap01

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



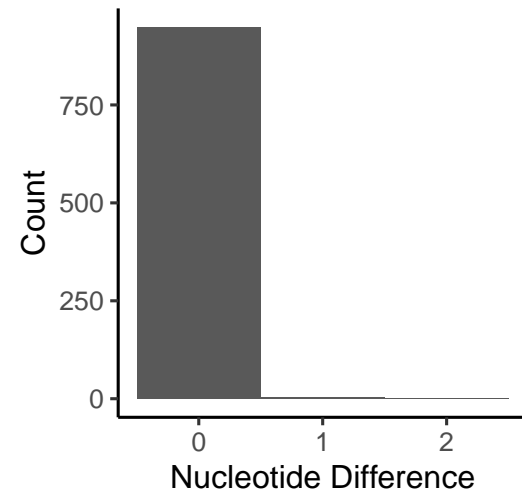
TRBV11-3*ap01

1676 sequences assigned
1659 (99%) exact matches, in which:
1645 unique CDR3
13 unique J



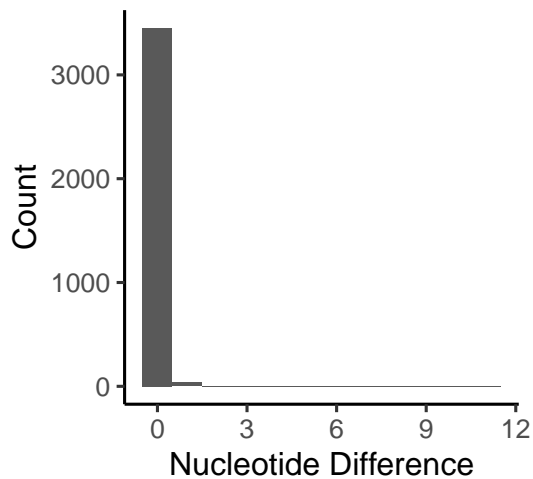
TRBV12-5*ap01

956 sequences assigned
949 (99.3%) exact matches, in which:
935 unique CDR3
13 unique J



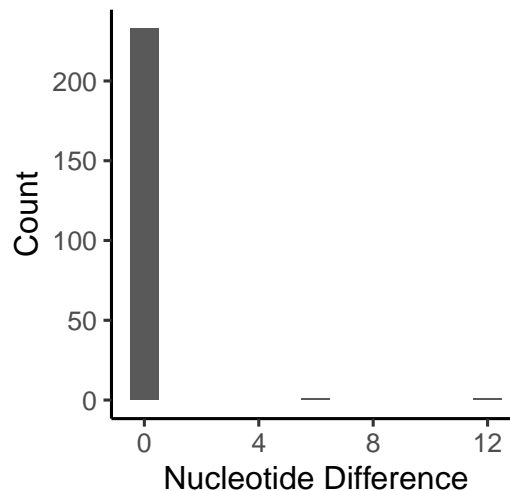
TRBV21-1*ap01

3520 sequences assigned
3451 (98%) exact matches, in which:
3417 unique CDR3
13 unique J



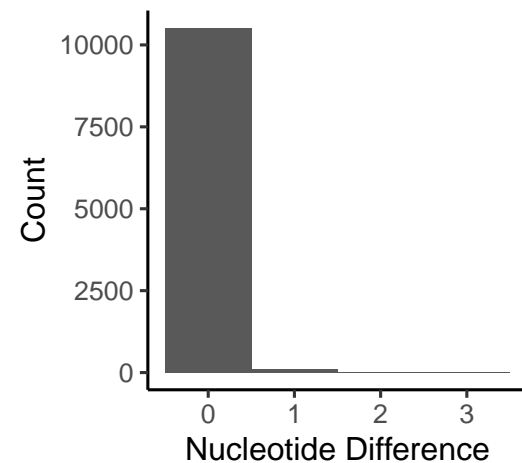
TRBV12-1*ap01

235 sequences assigned
233 (99.1%) exact matches, in which:
231 unique CDR3
13 unique J



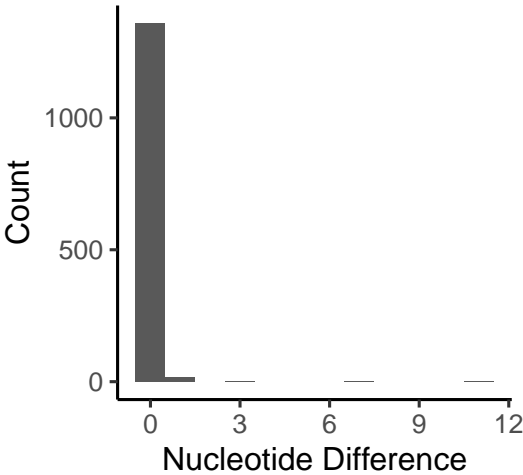
TRBV12-34*ap01

10634 sequences assigned
10523 (99%) exact matches, in which:
10367 unique CDR3
13 unique J



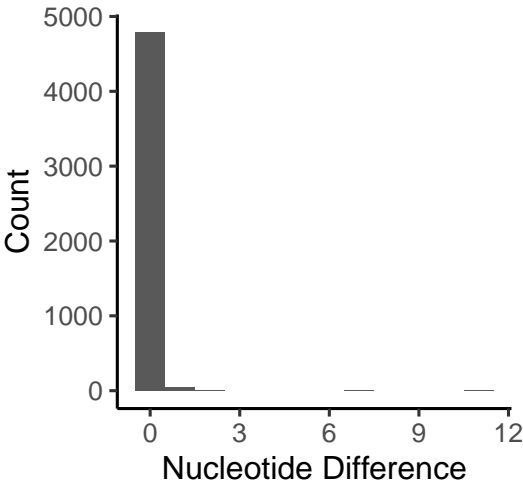
TRBV23-1*ap01

1378 sequences assigned
1358 (98.5%) exact matches, in which:
1346 unique CDR3
13 unique J



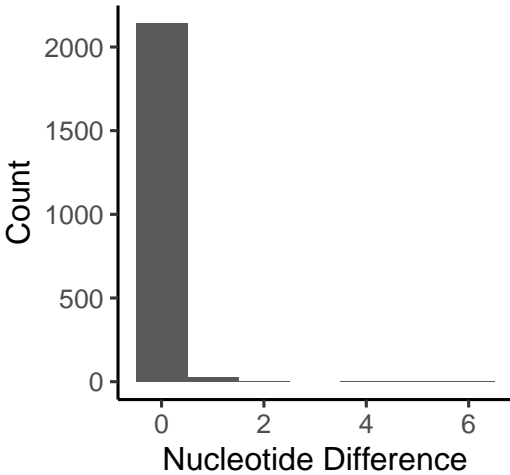
TRBV4-1*ap01

4836 sequences assigned
4787 (99%) exact matches, in which:
4724 unique CDR3
13 unique J



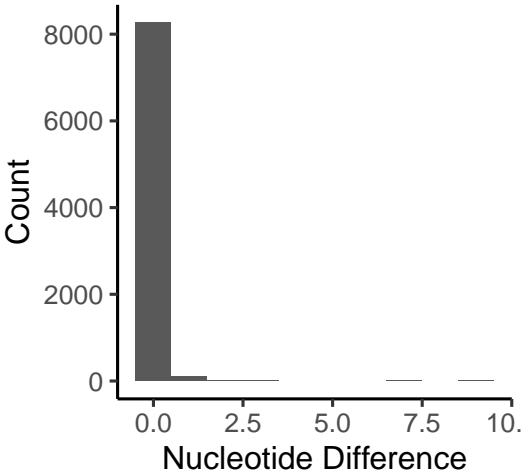
TRBV25-1*ap01

2175 sequences assigned
2141 (98.4%) exact matches, in which:
2110 unique CDR3
13 unique J



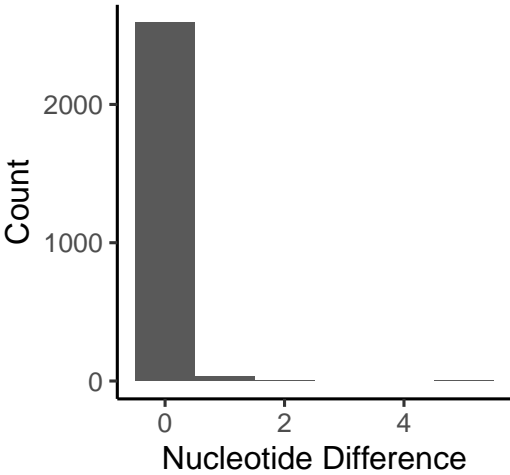
TRBV3-12*ap01

8362 sequences assigned
8264 (98.8%) exact matches, in which:
8131 unique CDR3
13 unique J



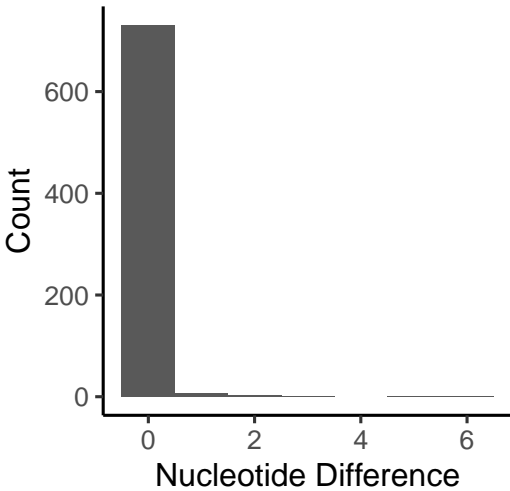
TRBV4-2*ap01

2627 sequences assigned
2591 (98.6%) exact matches, in which:
2532 unique CDR3
13 unique J



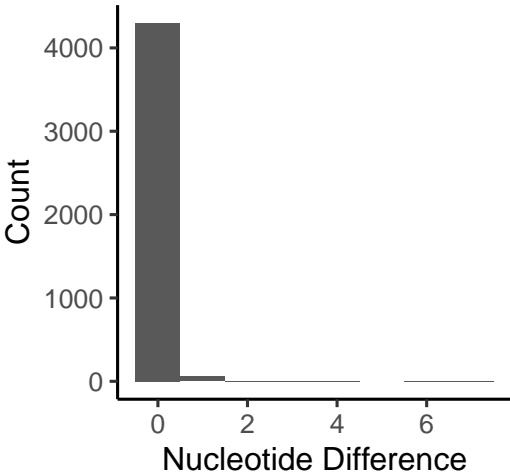
TRBV5-3*ap01

742 sequences assigned
731 (98.5%) exact matches, in which:
724 unique CDR3
13 unique J



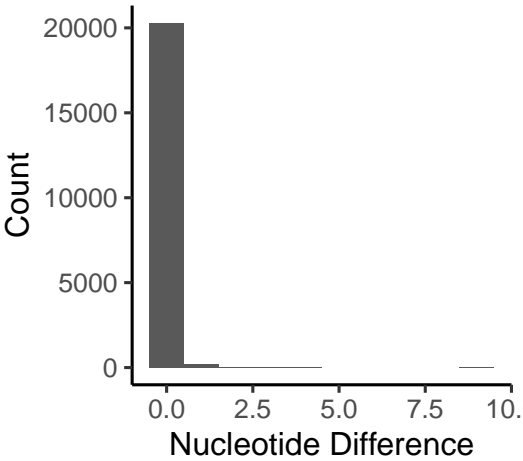
TRBV24-1*ap01

4363 sequences assigned
4298 (98.5%) exact matches, in which:
4234 unique CDR3
13 unique J



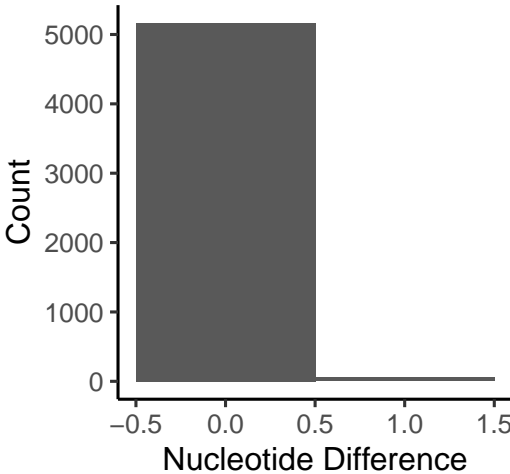
TRBV5-1*ap01

20518 sequences assigned
20299 (98.9%) exact matches, in which:
19921 unique CDR3
13 unique J



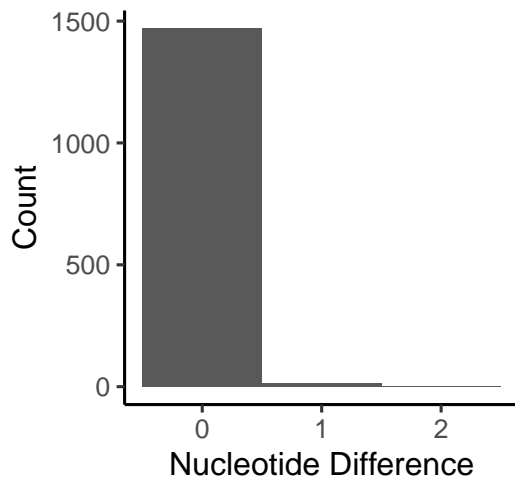
TRBV5-4*ap01

5222 sequences assigned
5165 (98.9%) exact matches, in which:
5081 unique CDR3
13 unique J



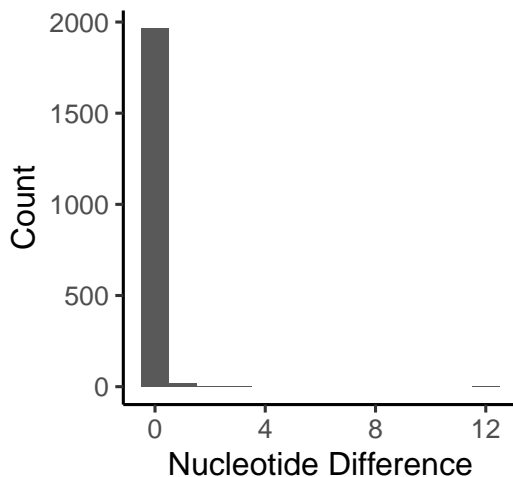
TRBV5-5*ap01

1486 sequences assigned
1470 (98.9%) exact matches, in which:
1466 unique CDR3
13 unique J



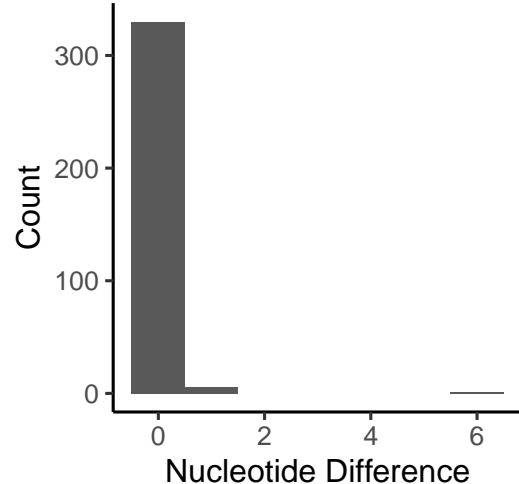
TRBV5-8*ap01

1994 sequences assigned
1965 (98.5%) exact matches, in which:
1945 unique CDR3
13 unique J



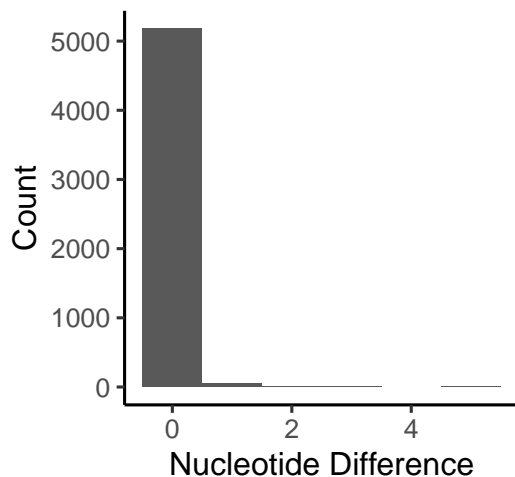
TRBV6-7*ap01

337 sequences assigned
330 (97.9%) exact matches, in which:
319 unique CDR3
13 unique J



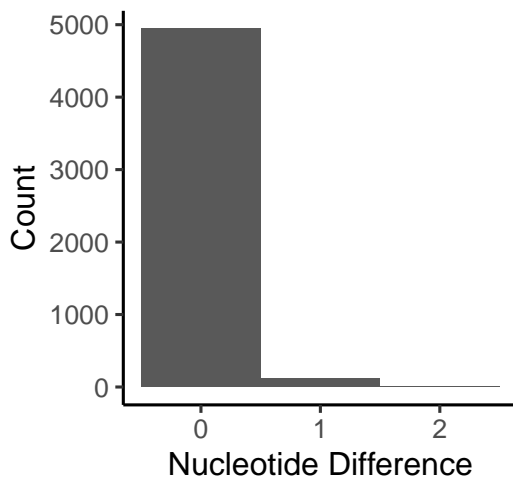
TRBV5-6*ap01

5240 sequences assigned
5179 (98.8%) exact matches, in which:
5065 unique CDR3
13 unique J



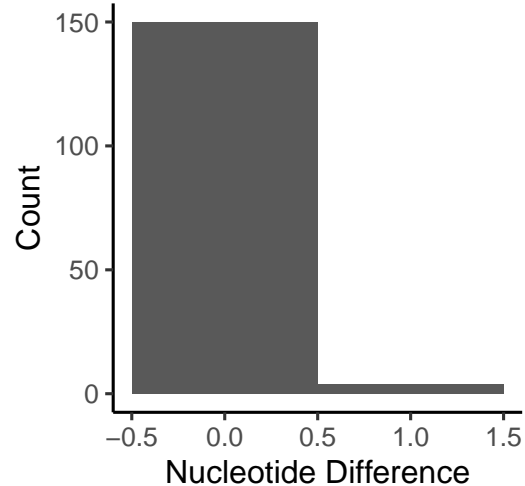
TRBV6-1*ap01

5063 sequences assigned
4944 (97.6%) exact matches, in which:
4850 unique CDR3
13 unique J



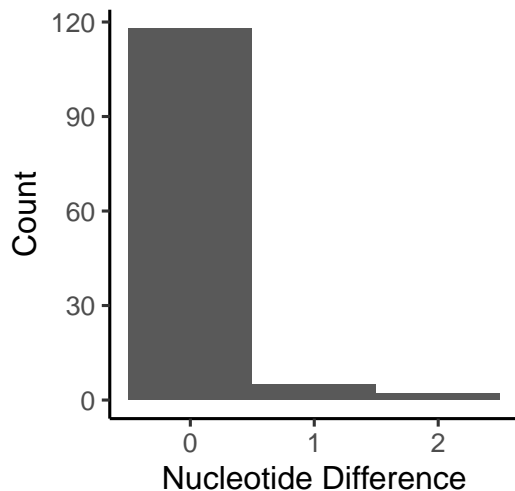
TRBV6-8*ap01

154 sequences assigned
150 (97.4%) exact matches, in which:
148 unique CDR3
12 unique J



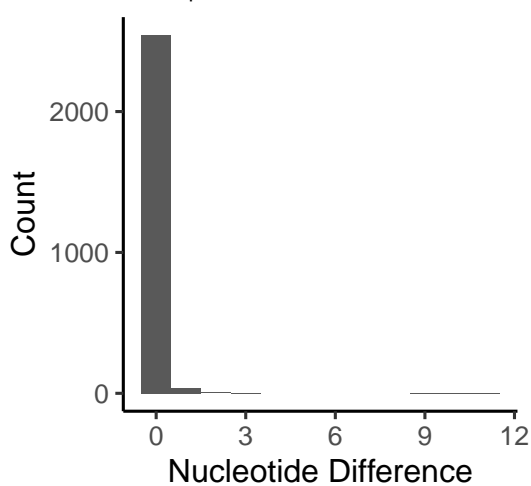
TRBV5-7*ap01

125 sequences assigned
118 (94.4%) exact matches, in which:
115 unique CDR3
12 unique J



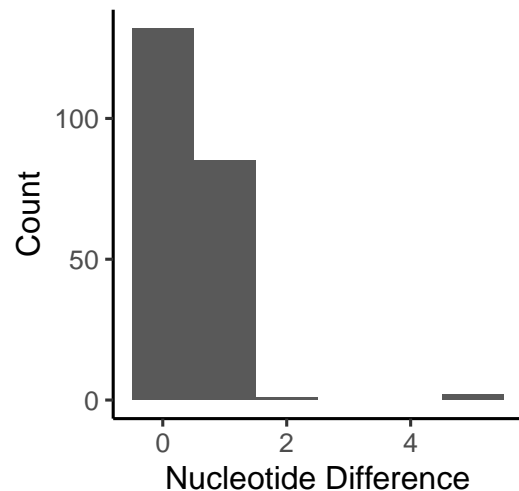
TRBV6-4*ap01

2592 sequences assigned
2543 (98.1%) exact matches, in which:
2511 unique CDR3
13 unique J



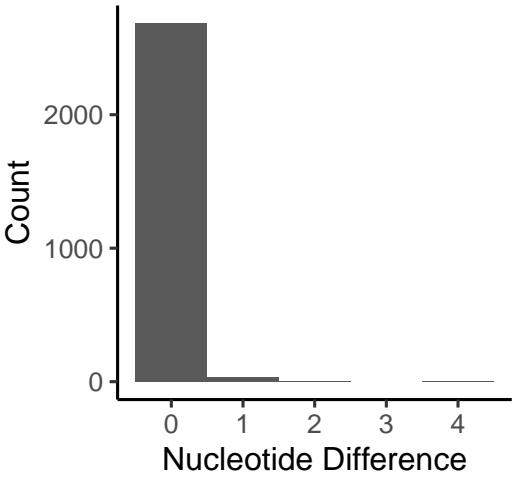
TRBV6-9*ap01

220 sequences assigned
132 (60%) exact matches, in which:
130 unique CDR3
13 unique J



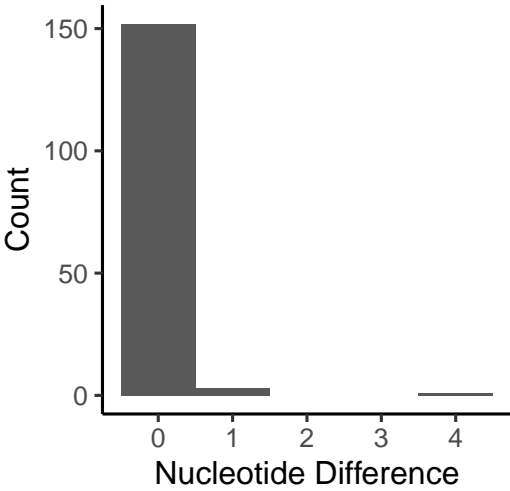
TRBV6-23*ap01

2719 sequences assigned
2684 (98.7%) exact matches, in which:
2625 unique CDR3
13 unique J



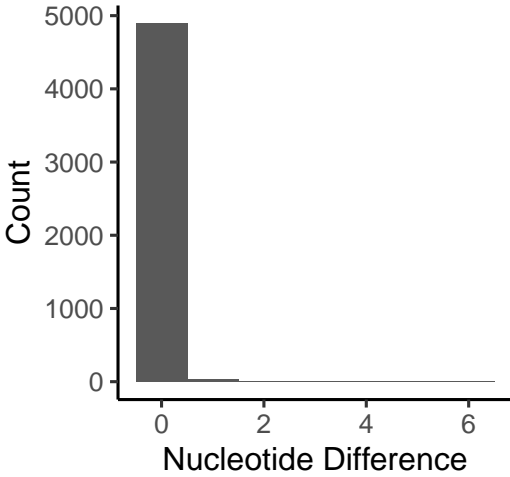
TRBV7-1*ap01_G291C_

156 sequences assigned
152 (97.4%) exact matches, in which:
149 unique CDR3
12 unique J



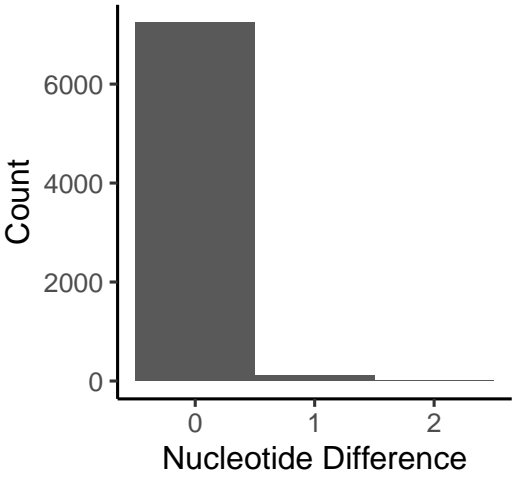
TRBV7-3*ap01

4940 sequences assigned
4894 (99.1%) exact matches, in which:
4852 unique CDR3
13 unique J



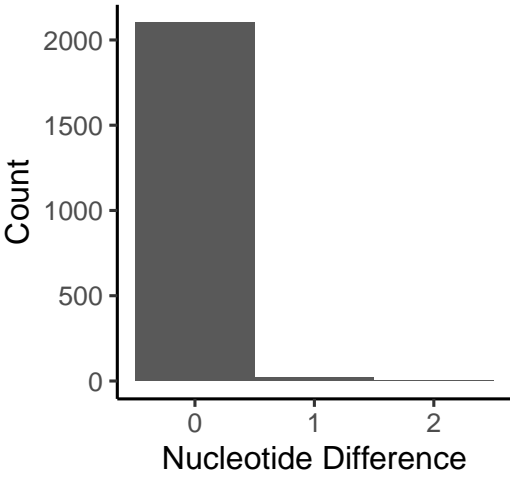
TRBV6-56*ap01

7355 sequences assigned
7240 (98.4%) exact matches, in which:
7103 unique CDR3
13 unique J



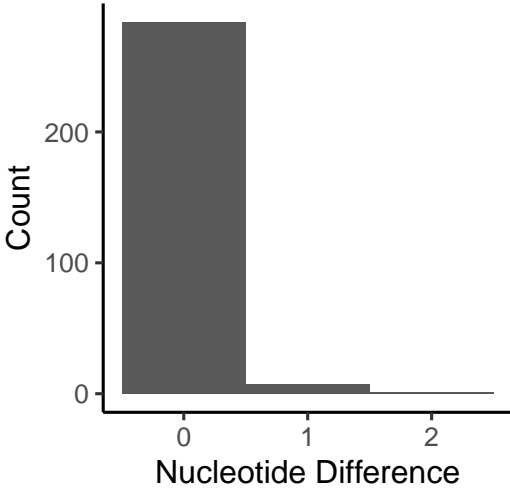
TRBV7-2*ap01

2120 sequences assigned
2101 (99.1%) exact matches, in which:
2079 unique CDR3
13 unique J



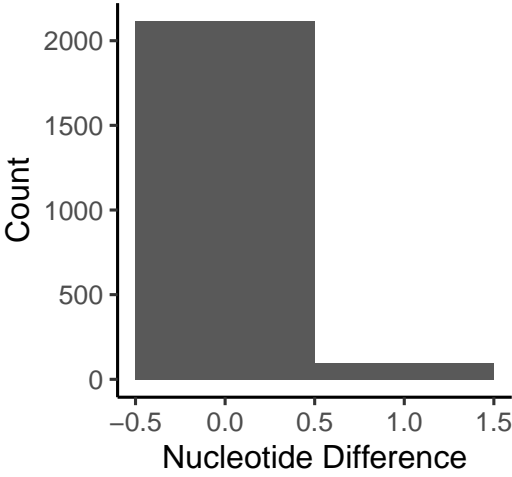
TRBV7-4*ap01

292 sequences assigned
284 (97.3%) exact matches, in which:
280 unique CDR3
13 unique J



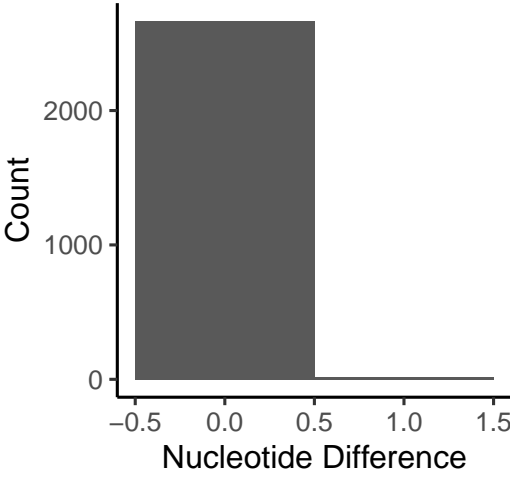
TRBV6-56*ap02

2212 sequences assigned
2116 (95.7%) exact matches, in which:
2076 unique CDR3
13 unique J



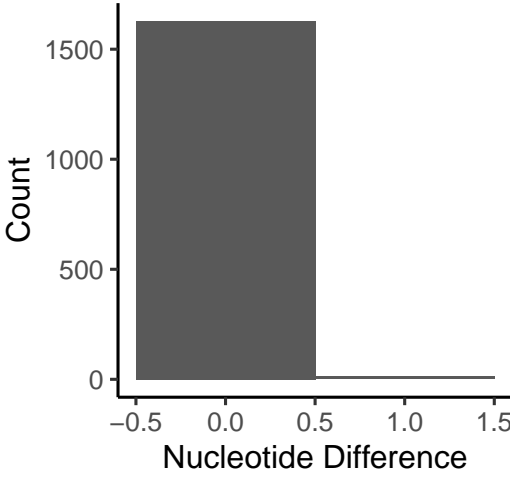
TRBV7-2*ap01_G297A

2685 sequences assigned
2666 (99.3%) exact matches, in which:
2649 unique CDR3
13 unique J



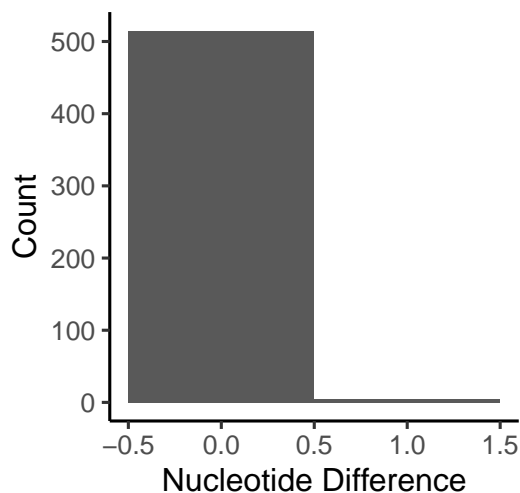
TRBV7-6*ap01

1641 sequences assigned
1628 (99.2%) exact matches, in which:
1606 unique CDR3
13 unique J



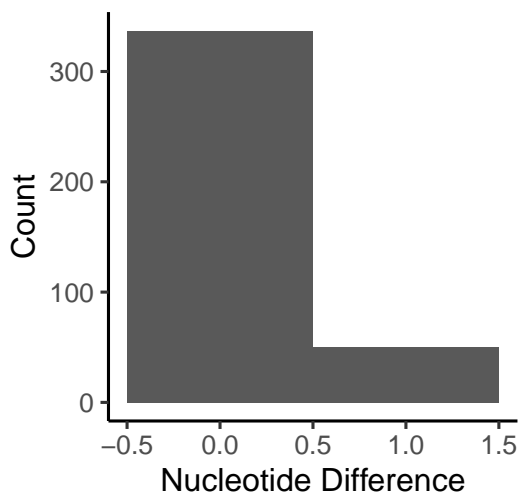
TRBV7-7*ap01

520 sequences assigned
515 (99%) exact matches, in which:
508 unique CDR3
13 unique J



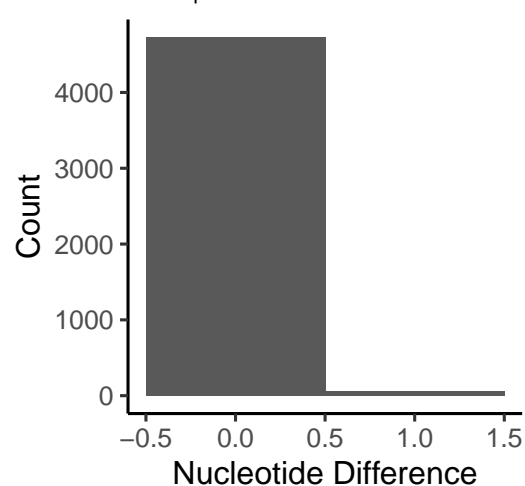
TRBV7-8*ap03

387 sequences assigned
337 (87.1%) exact matches, in which:
327 unique CDR3
13 unique J



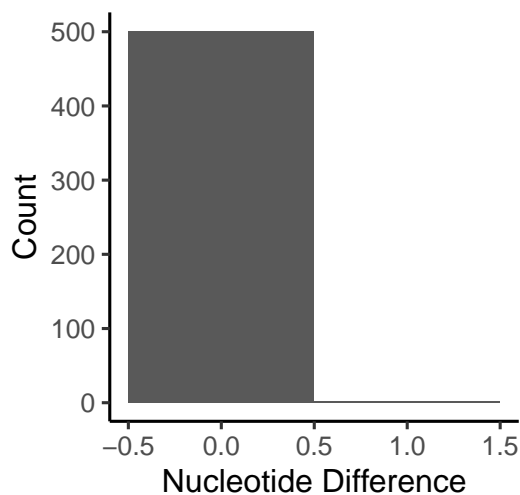
TRBV29-1*ap01

4782 sequences assigned
4726 (98.8%) exact matches, in which:
4633 unique CDR3
13 unique J



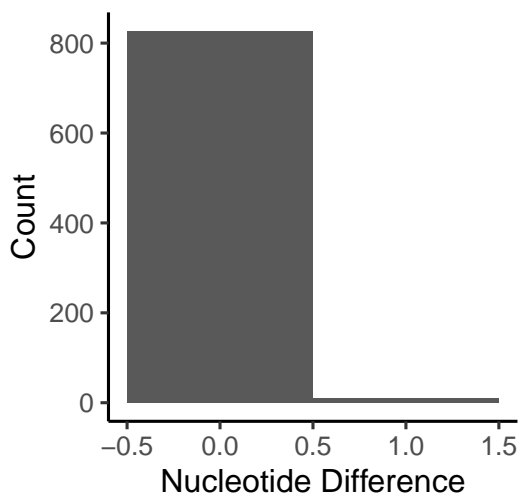
TRBV7-7*ap01_C315T

503 sequences assigned
501 (99.6%) exact matches, in which:
496 unique CDR3
13 unique J



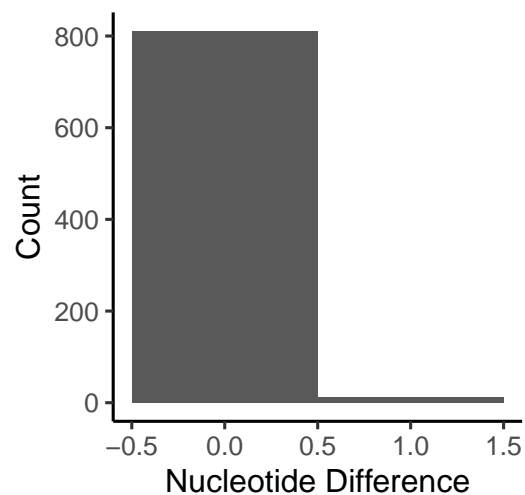
TRBV7-8*ap03_C297A

837 sequences assigned
827 (98.8%) exact matches, in which:
820 unique CDR3
13 unique J



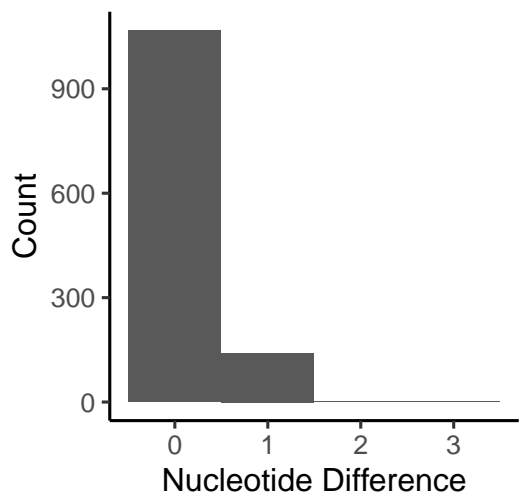
TRBV29-1*ap02

822 sequences assigned
811 (98.7%) exact matches, in which:
793 unique CDR3
13 unique J



TRBV7-8*ap01

1212 sequences assigned
1068 (88.1%) exact matches, in which:
1057 unique CDR3
13 unique J



TRBV7-9*ap01

10436 sequences assigned
10352 (99.2%) exact matches, in which:
10273 unique CDR3
13 unique J

