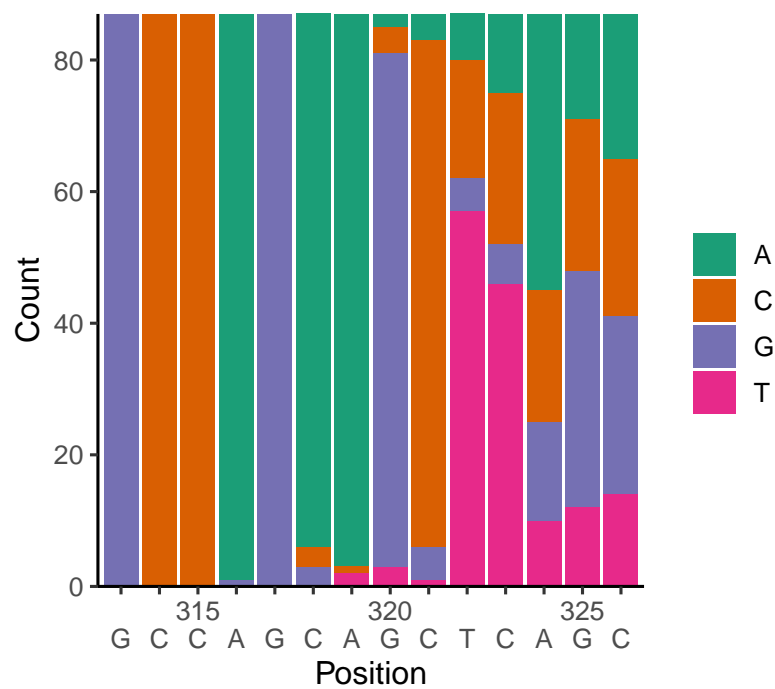
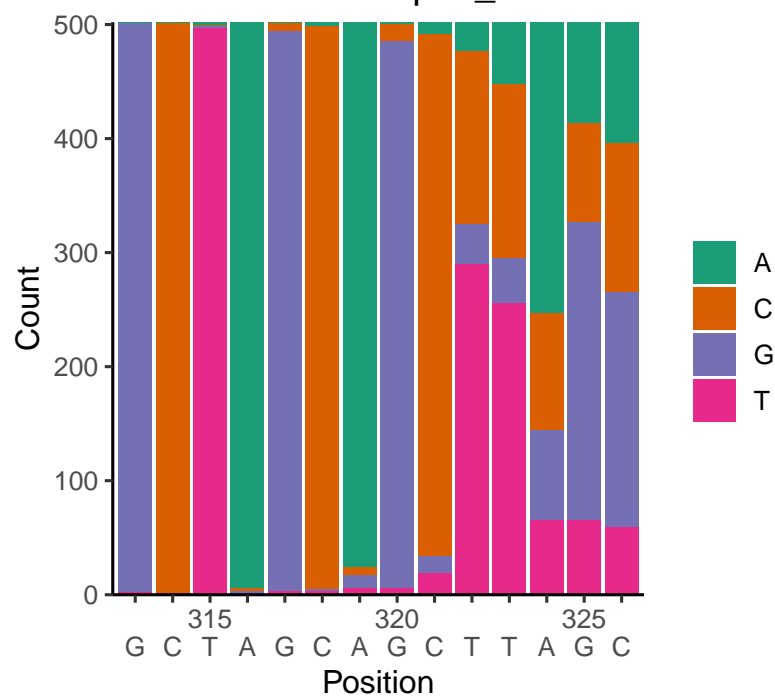


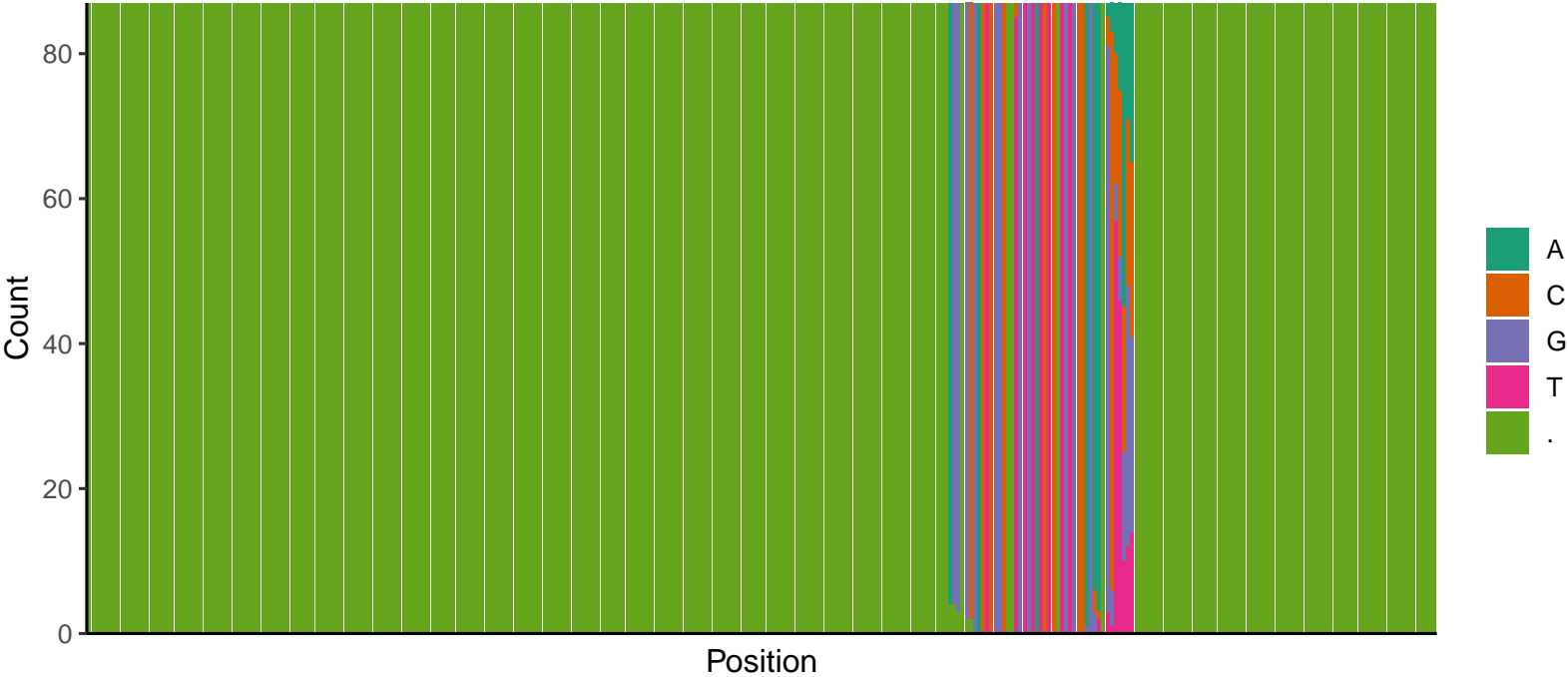
Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-7*ap01_C315T



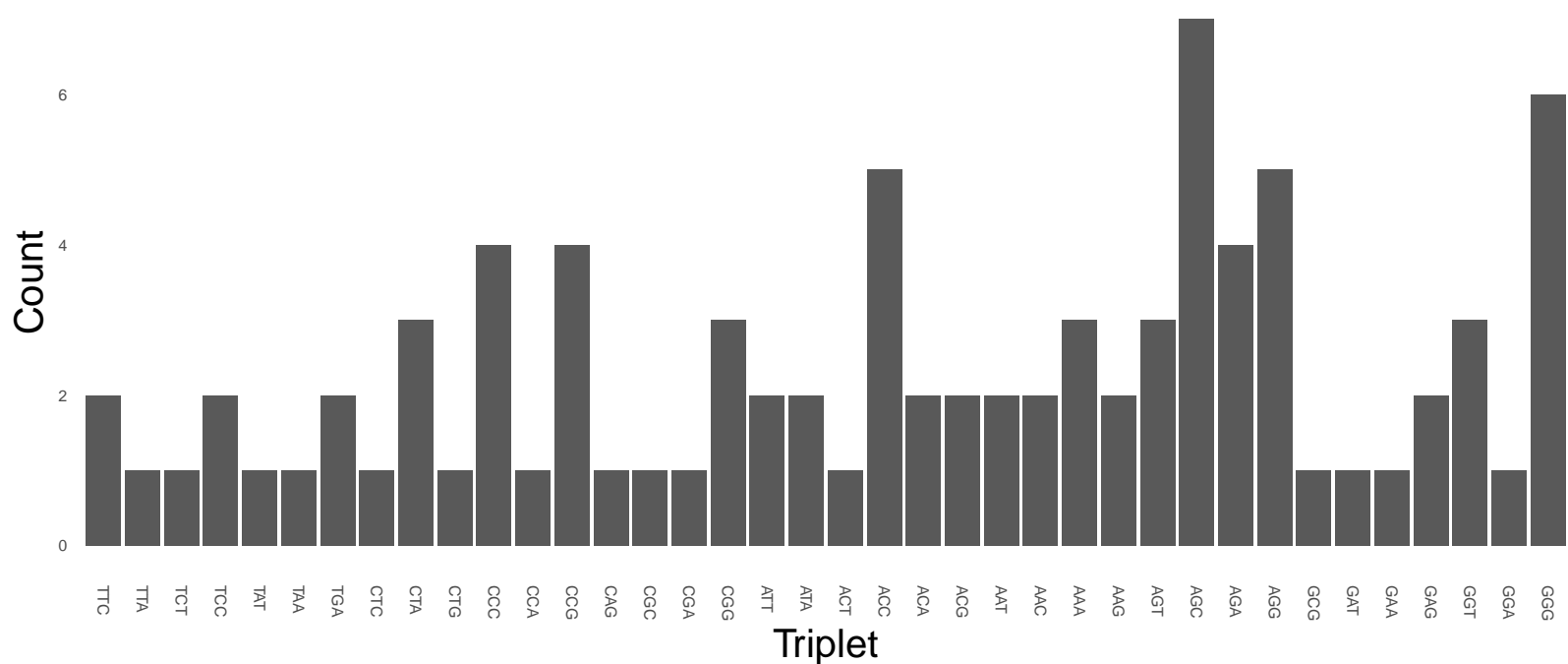
Gene TRBV7-1*ap01_G291C_T296C



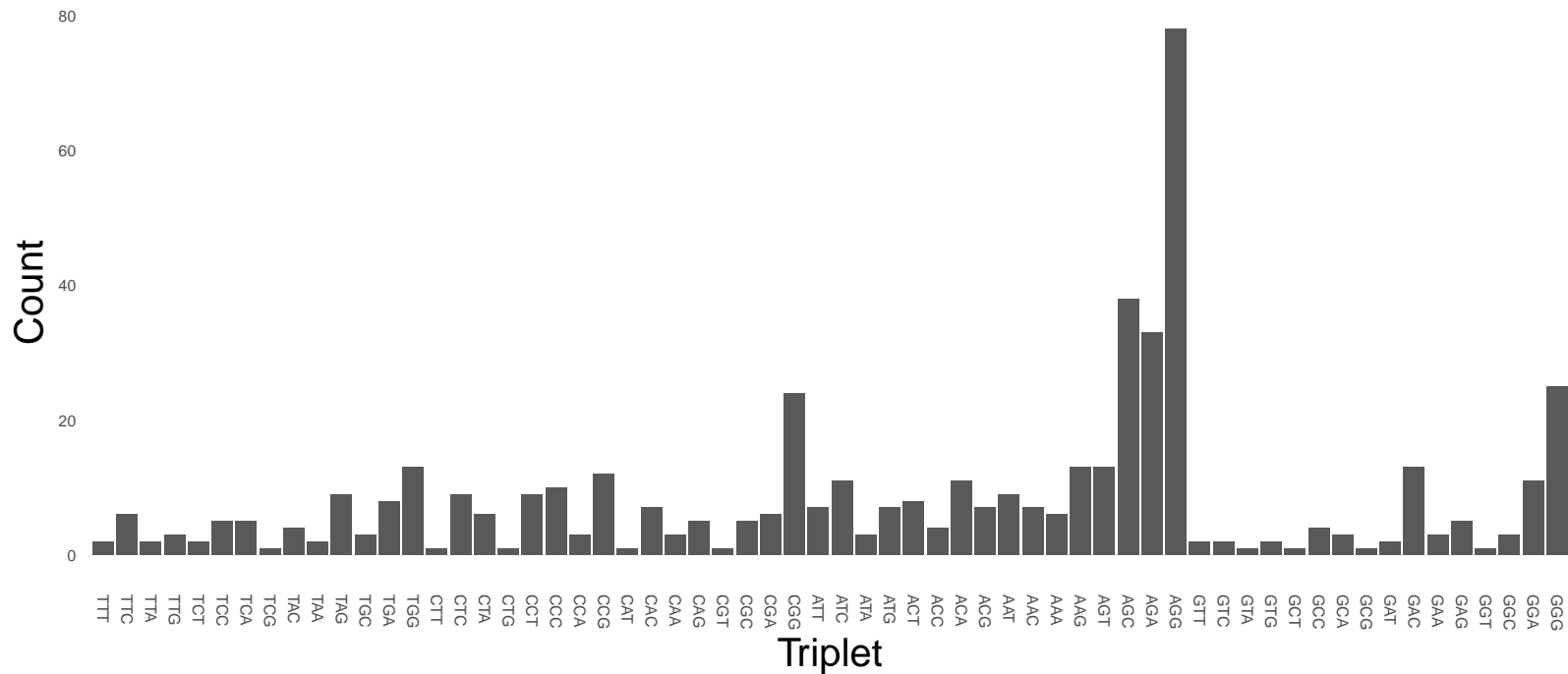
Gene TRBV7-7*ap01_C315T



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

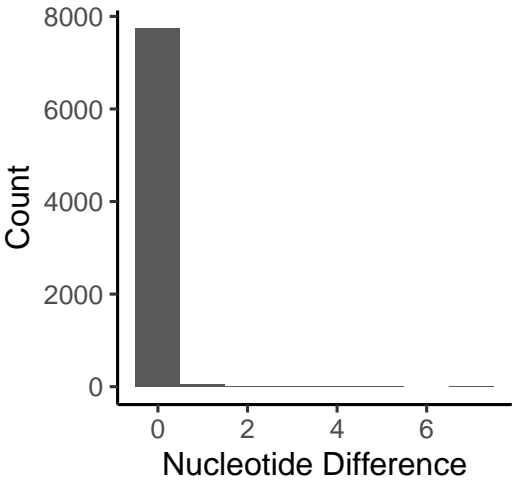


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



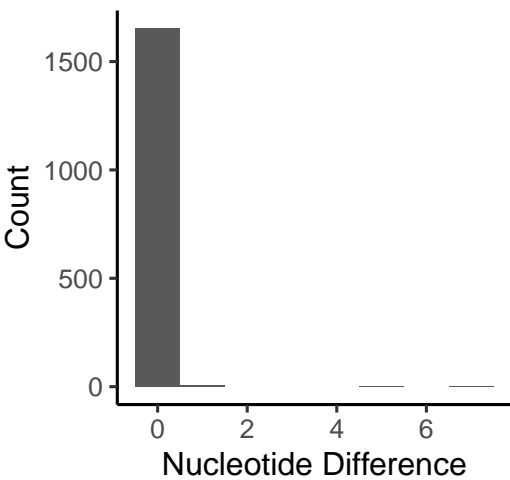
TRBV20-1*ap01

7825 sequences assigned
7740 (98.9%) exact matches, in which:
7724 unique CDR3
13 unique J



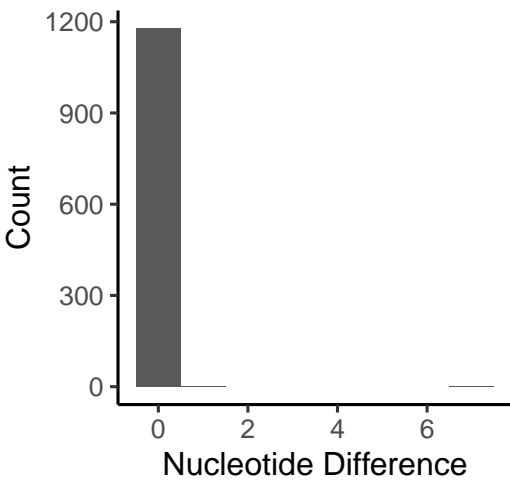
TRBV10-3*ap01

1662 sequences assigned
1653 (99.5%) exact matches, in which:
1649 unique CDR3
13 unique J



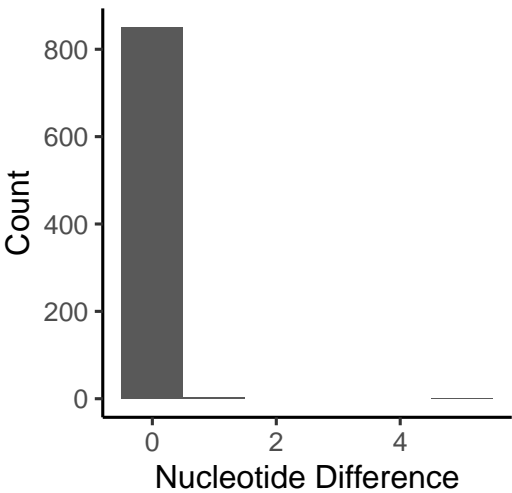
TRBV14*ap01

1182 sequences assigned
1178 (99.7%) exact matches, in which:
1177 unique CDR3
13 unique J



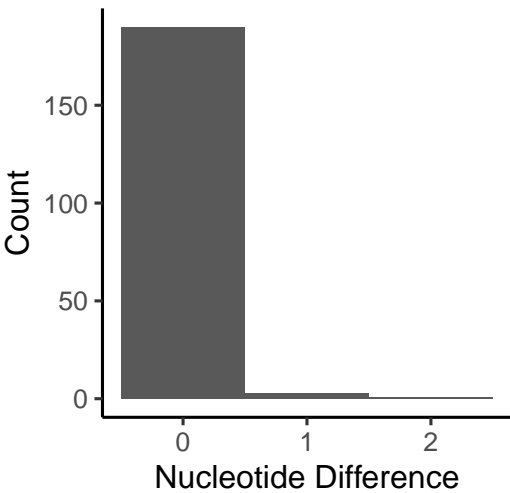
TRBV10-1*ap01

856 sequences assigned
851 (99.4%) exact matches, in which:
849 unique CDR3
13 unique J



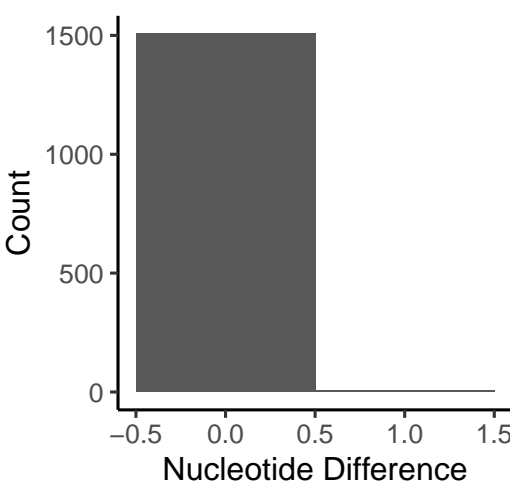
TRBV1*ap01

194 sequences assigned
190 (97.9%) exact matches, in which:
189 unique CDR3
13 unique J



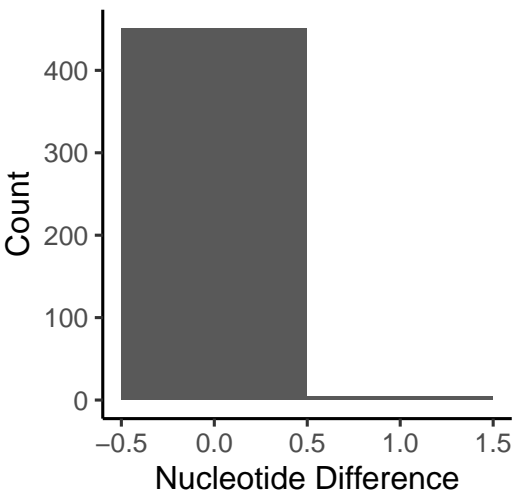
TRBV15*ap02

1513 sequences assigned
1507 (99.6%) exact matches, in which:
1497 unique CDR3
13 unique J



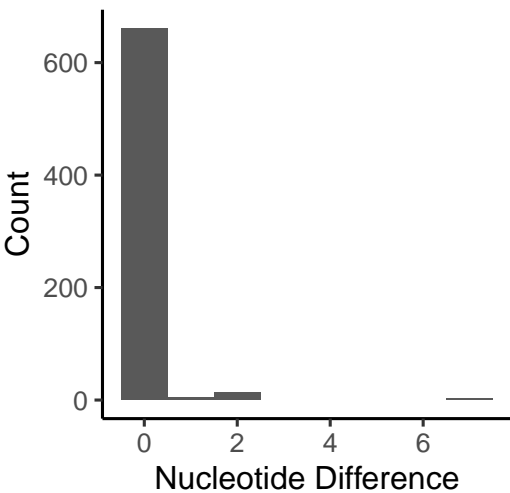
TRBV10-2*ap01

455 sequences assigned
451 (99.1%) exact matches, in which:
451 unique CDR3
13 unique J



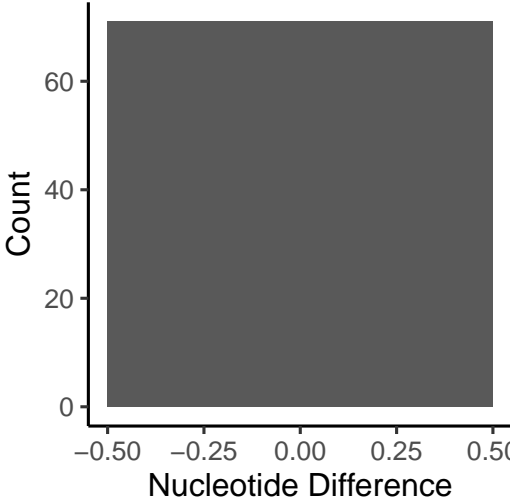
TRBV13*ap01

682 sequences assigned
661 (96.9%) exact matches, in which:
648 unique CDR3
13 unique J



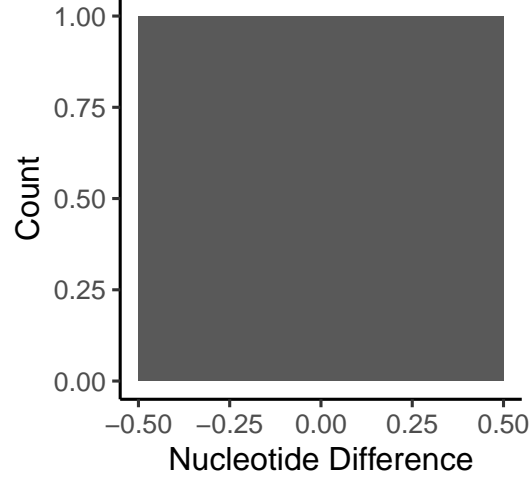
TRBV16*ap01

71 sequences assigned
71 (100%) exact matches, in which:
70 unique CDR3
12 unique J



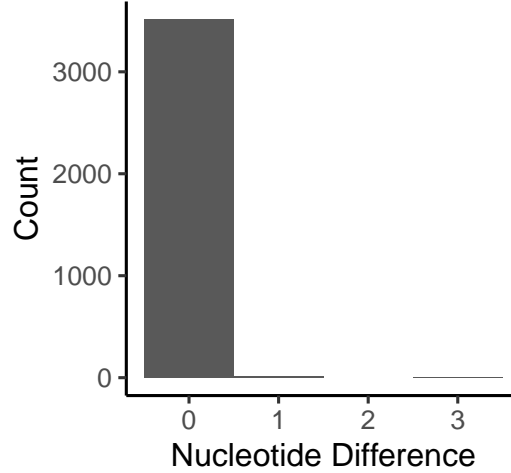
TRBV17*ap01

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



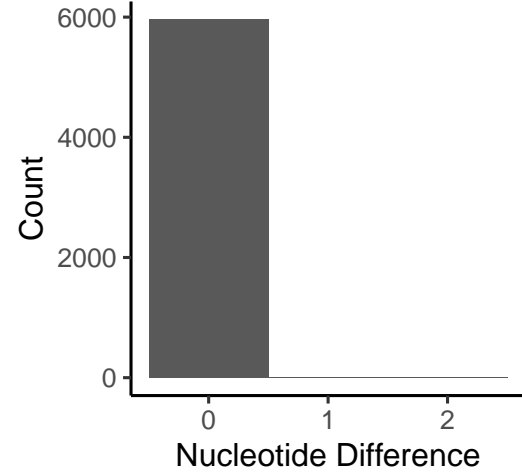
TRBV2*ap01

3532 sequences assigned
3514 (99.5%) exact matches, in which:
3506 unique CDR3
13 unique J



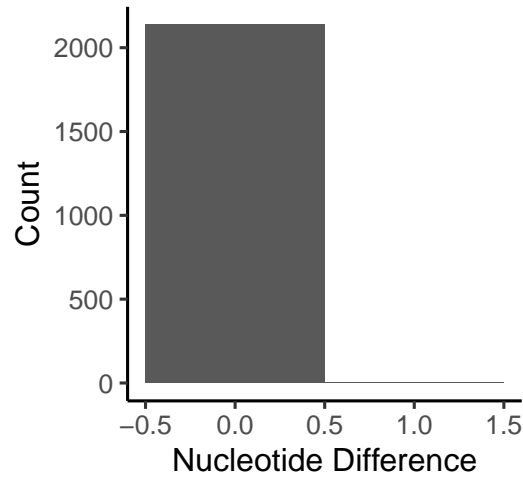
TRBV28*ap01

5980 sequences assigned
5962 (99.7%) exact matches, in which:
5940 unique CDR3
13 unique J



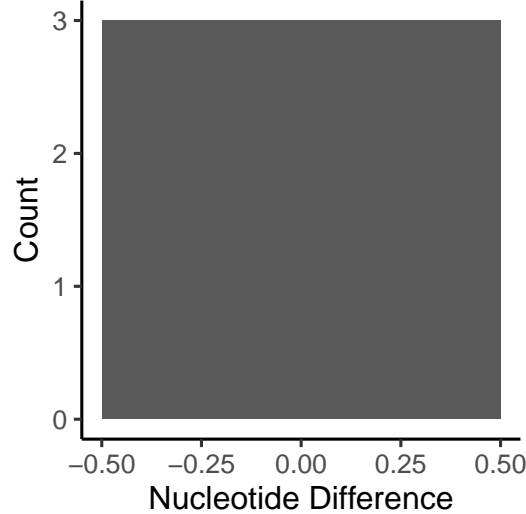
TRBV18*ap01

2141 sequences assigned
2137 (99.8%) exact matches, in which:
2128 unique CDR3
13 unique J



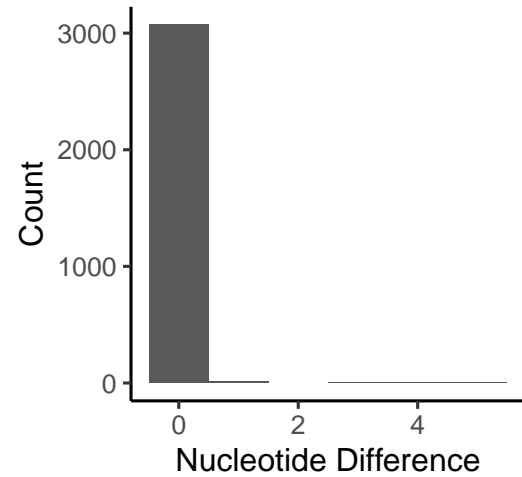
TRBV26*ap01

3 sequences assigned
3 (100%) exact matches, in which:
3 unique CDR3
3 unique J



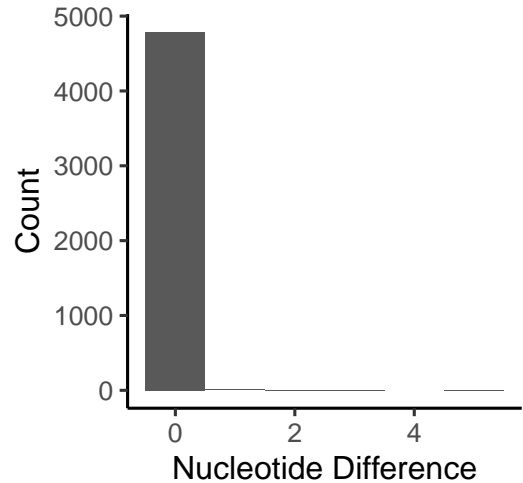
TRBV30*ap01

3091 sequences assigned
3072 (99.4%) exact matches, in which:
3064 unique CDR3
13 unique J



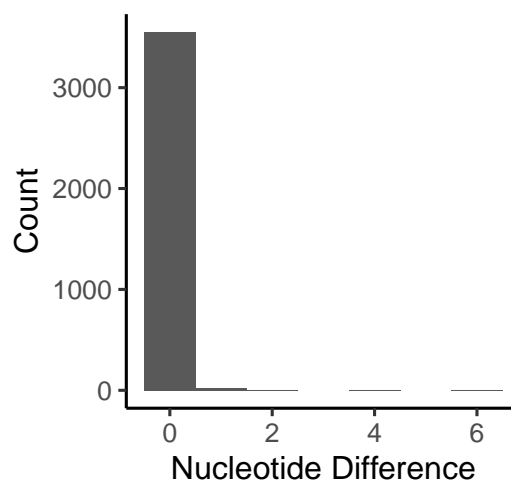
TRBV19*ap01

4801 sequences assigned
4787 (99.7%) exact matches, in which:
4779 unique CDR3
13 unique J



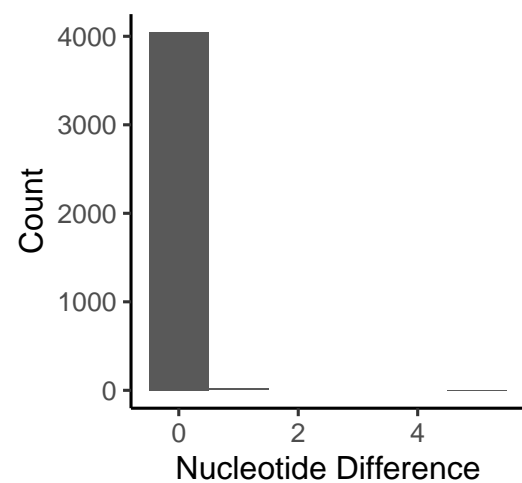
TRBV27*ap01

3576 sequences assigned
3551 (99.3%) exact matches, in which:
3541 unique CDR3
13 unique J



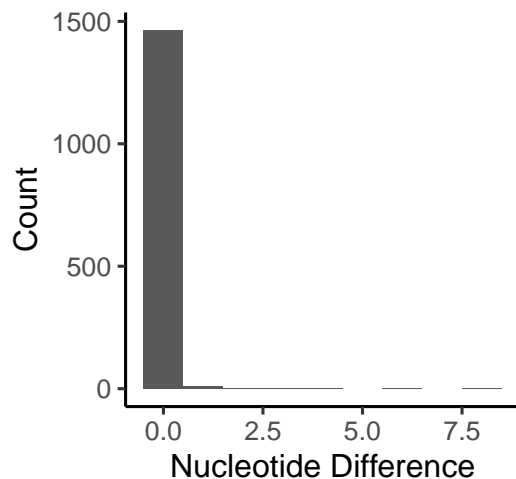
TRBV9*ap01

4069 sequences assigned
4048 (99.5%) exact matches, in which:
4028 unique CDR3
13 unique J



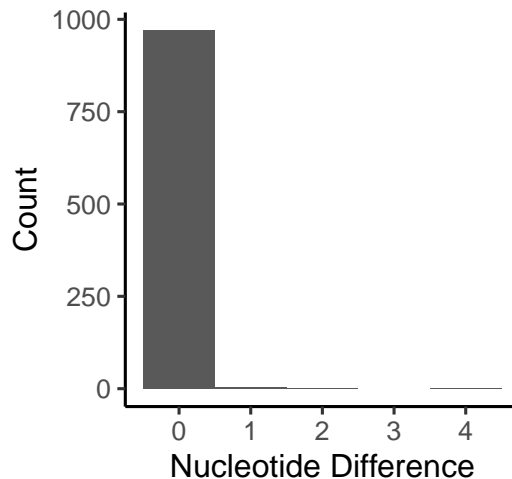
TRBV21-1*ap01

1483 sequences assigned
1463 (98.7%) exact matches, in which:
1463 unique CDR3
13 unique J



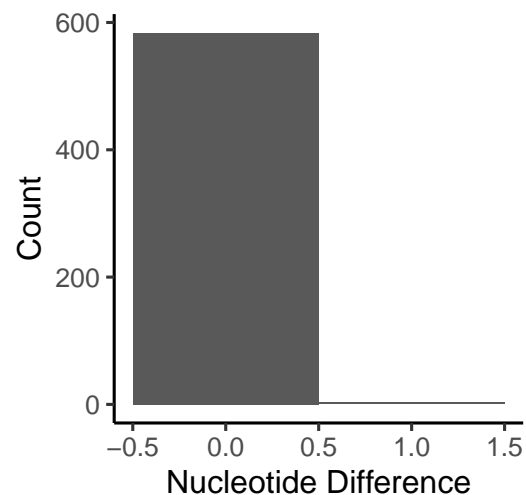
TRBV11-3*ap01

975 sequences assigned
970 (99.5%) exact matches, in which:
969 unique CDR3
13 unique J



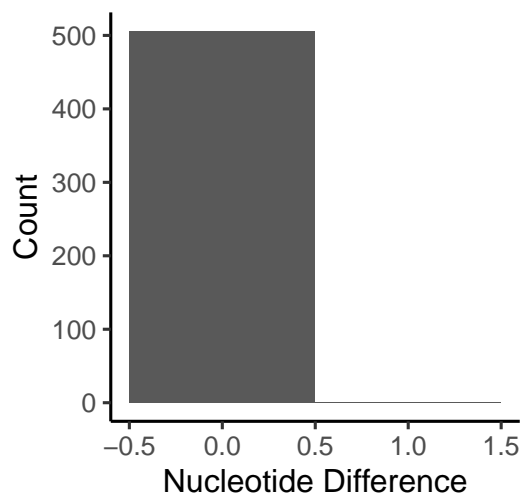
TRBV12-5*ap01

587 sequences assigned
584 (99.5%) exact matches, in which:
584 unique CDR3
13 unique J



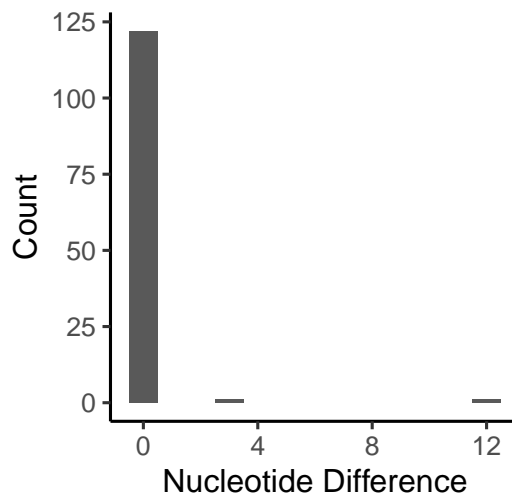
TRBV11-1*ap01

507 sequences assigned
506 (99.8%) exact matches, in which:
503 unique CDR3
13 unique J



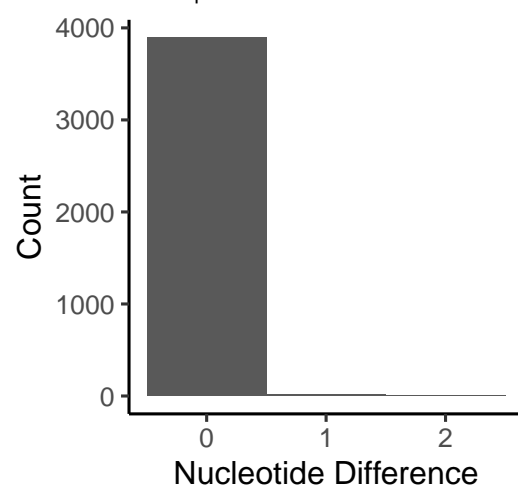
TRBV12-1*ap01

124 sequences assigned
122 (98.4%) exact matches, in which:
122 unique CDR3
13 unique J



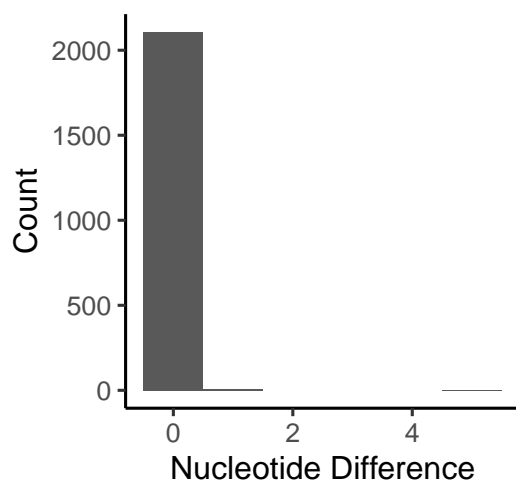
TRBV12-34*ap01

3913 sequences assigned
3893 (99.5%) exact matches, in which:
3879 unique CDR3
13 unique J



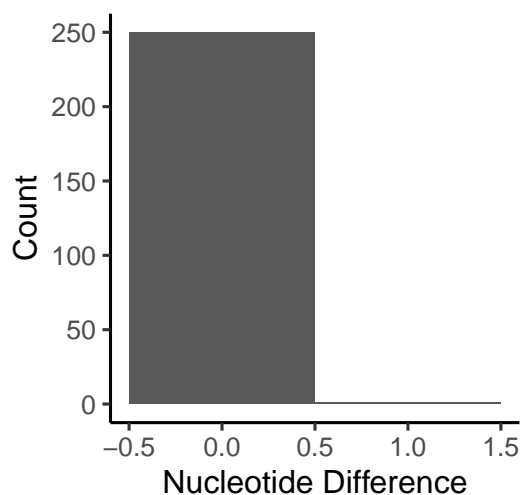
TRBV11-2*ap01

2115 sequences assigned
2107 (99.6%) exact matches, in which:
2102 unique CDR3
13 unique J



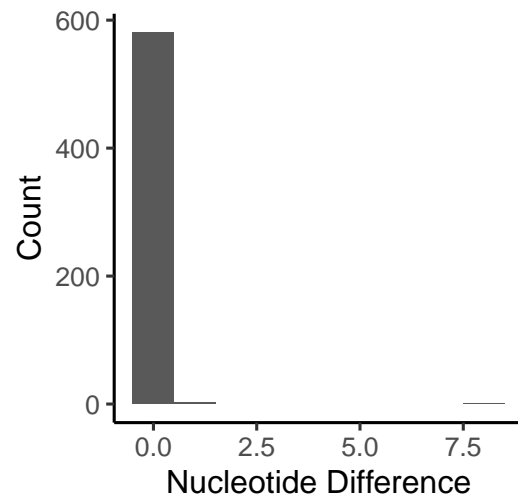
TRBV12-2*ap01

251 sequences assigned
250 (99.6%) exact matches, in which:
250 unique CDR3
13 unique J



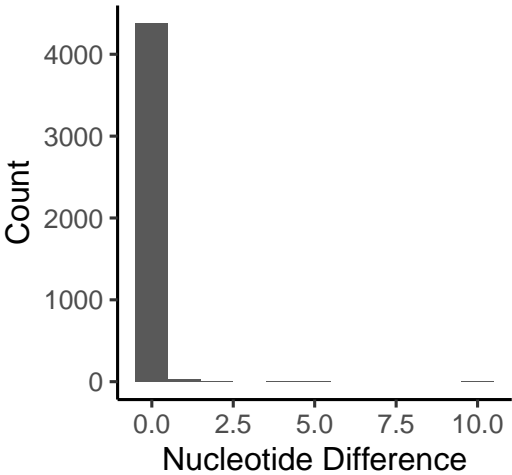
TRBV23-1*ap01

584 sequences assigned
581 (99.5%) exact matches, in which:
581 unique CDR3
13 unique J



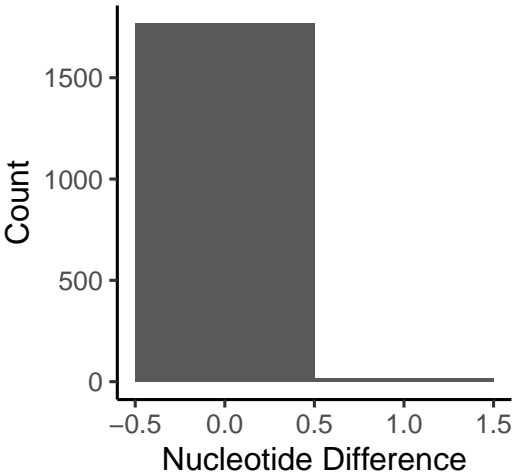
TRBV3-12*ap01

4417 sequences assigned
4377 (99.1%) exact matches, in which:
4371 unique CDR3
13 unique J



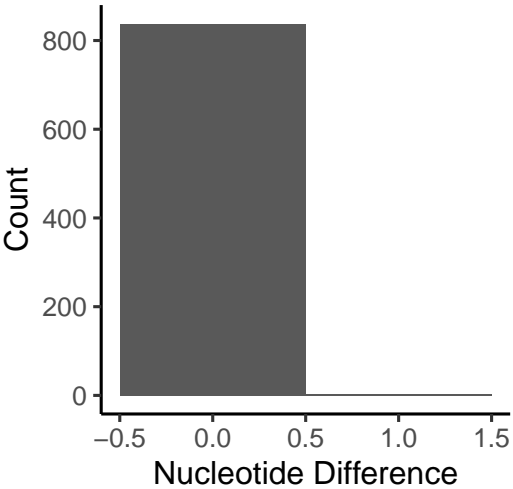
TRBV4-2*ap01

1787 sequences assigned
1768 (98.9%) exact matches, in which:
1763 unique CDR3
13 unique J



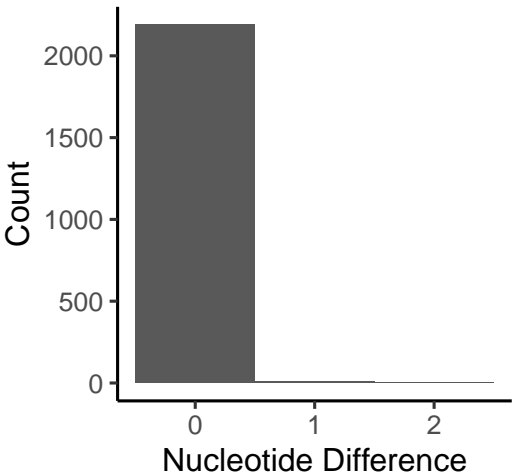
TRBV25-1*ap01

842 sequences assigned
838 (99.5%) exact matches, in which:
831 unique CDR3
13 unique J



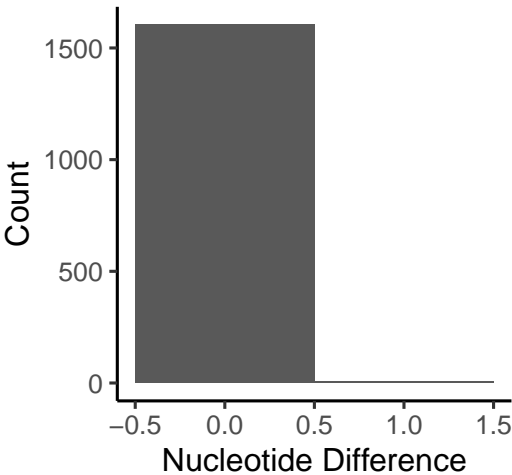
TRBV4-1*ap01

2202 sequences assigned
2190 (99.5%) exact matches, in which:
2186 unique CDR3
13 unique J



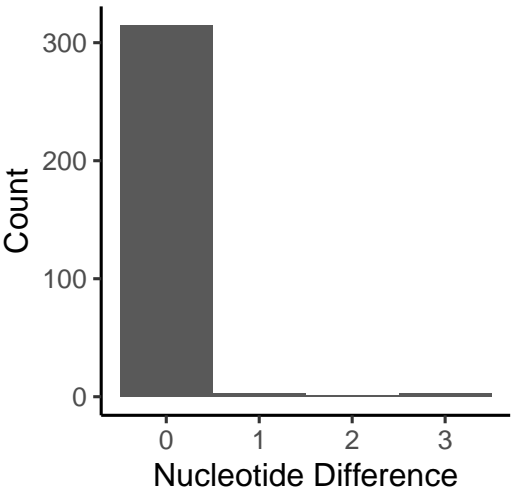
TRBV4-3*ap01

1611 sequences assigned
1604 (99.6%) exact matches, in which:
1598 unique CDR3
13 unique J



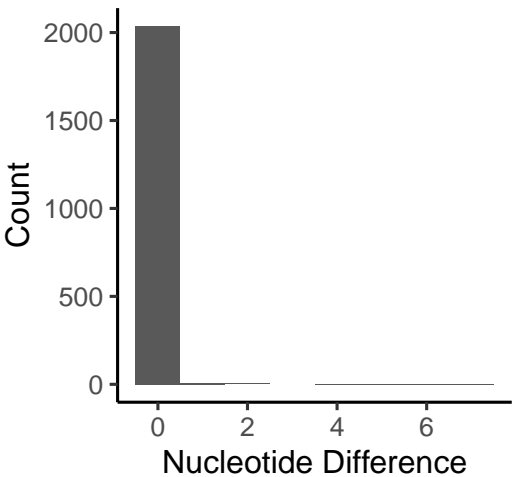
TRBV5-3*ap01

322 sequences assigned
315 (97.8%) exact matches, in which:
315 unique CDR3
13 unique J



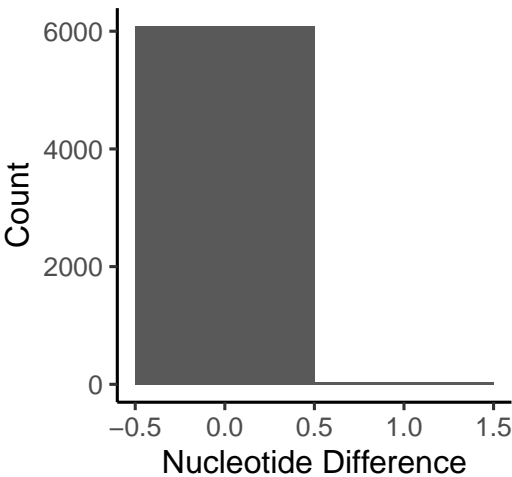
TRBV24-1*ap01

2052 sequences assigned
2037 (99.3%) exact matches, in which:
2031 unique CDR3
13 unique J



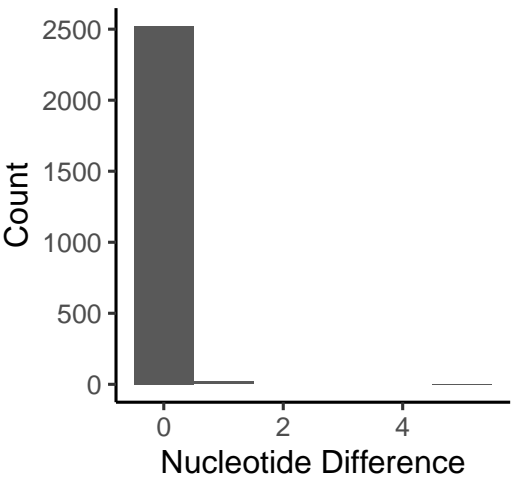
TRBV5-1*ap01

6123 sequences assigned
6088 (99.4%) exact matches, in which:
6015 unique CDR3
13 unique J



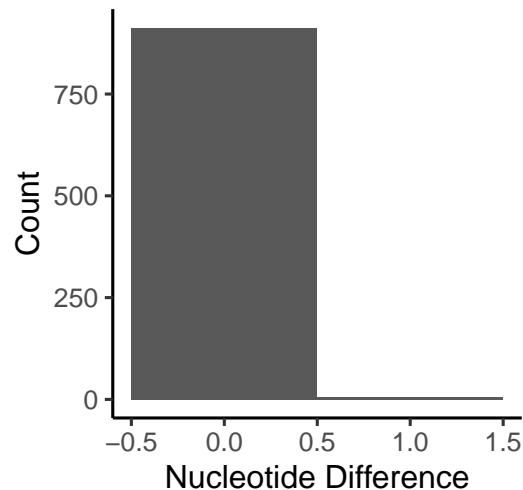
TRBV5-4*ap01

2542 sequences assigned
2522 (99.2%) exact matches, in which:
2512 unique CDR3
13 unique J



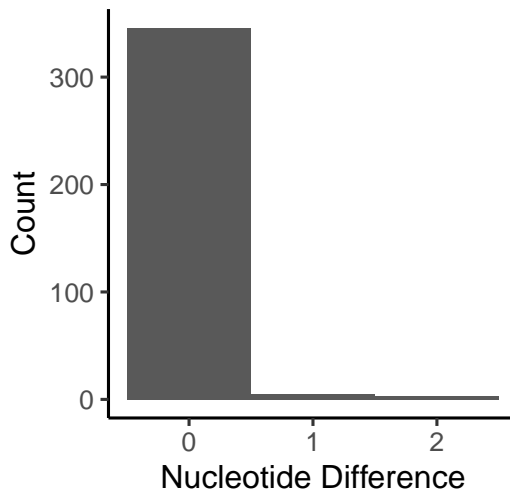
TRBV5-5*ap01

919 sequences assigned
913 (99.3%) exact matches, in which:
907 unique CDR3
13 unique J



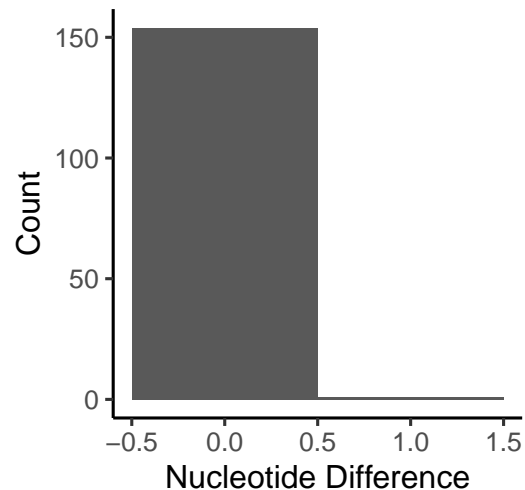
TRBV5-8*ap01

354 sequences assigned
346 (97.7%) exact matches, in which:
346 unique CDR3
13 unique J



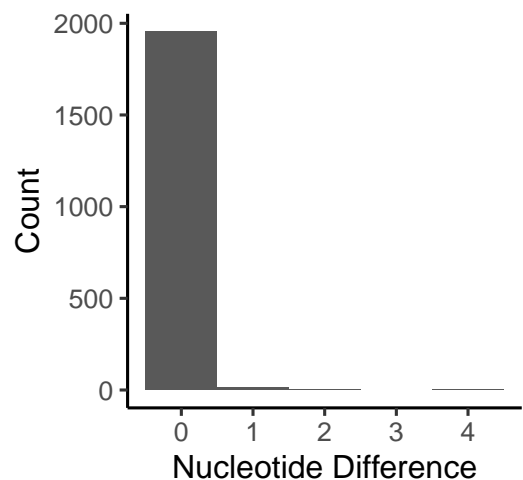
TRBV6-7*ap01

155 sequences assigned
154 (99.4%) exact matches, in which:
153 unique CDR3
13 unique J



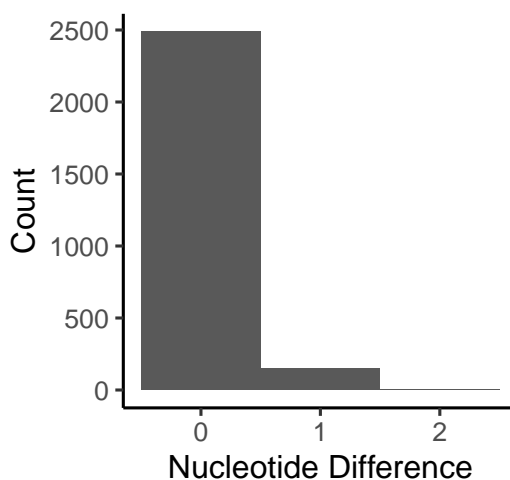
TRBV5-6*ap01

1969 sequences assigned
1954 (99.2%) exact matches, in which:
1940 unique CDR3
13 unique J



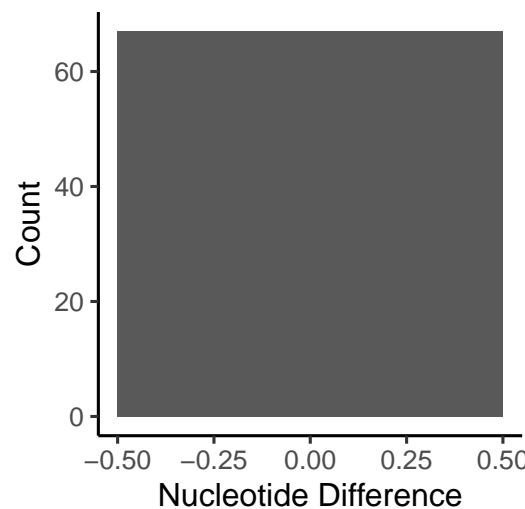
TRBV6-1*ap01

2637 sequences assigned
2488 (94.3%) exact matches, in which:
2478 unique CDR3
13 unique J



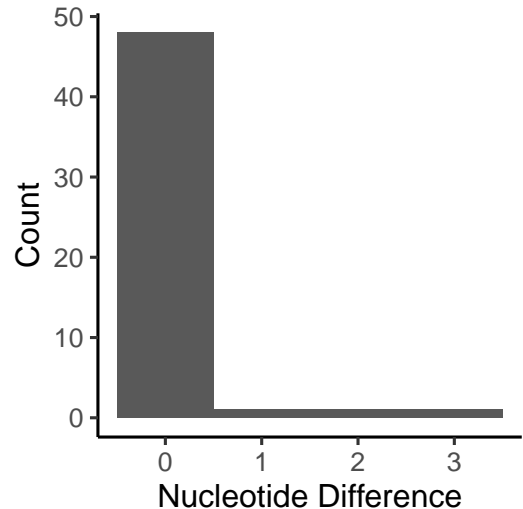
TRBV6-8*ap01

67 sequences assigned
67 (100%) exact matches, in which:
67 unique CDR3
11 unique J



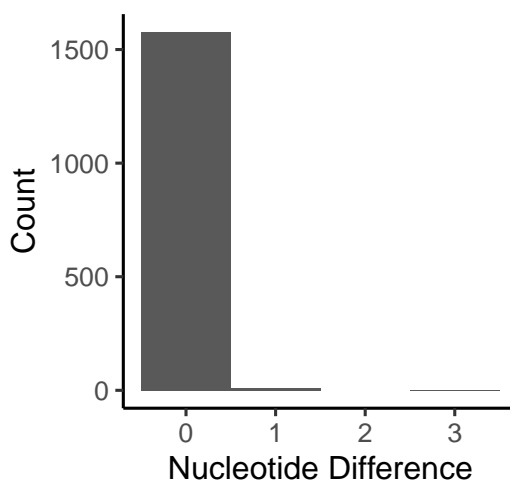
TRBV5-7*ap01

51 sequences assigned
48 (94.1%) exact matches, in which:
48 unique CDR3
11 unique J



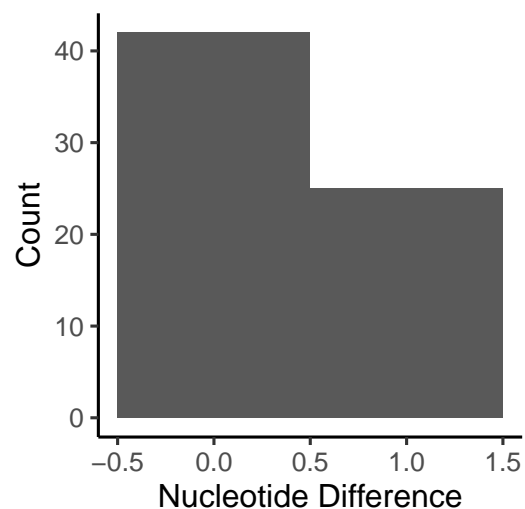
TRBV6-4*ap01

1589 sequences assigned
1577 (99.2%) exact matches, in which:
1576 unique CDR3
13 unique J



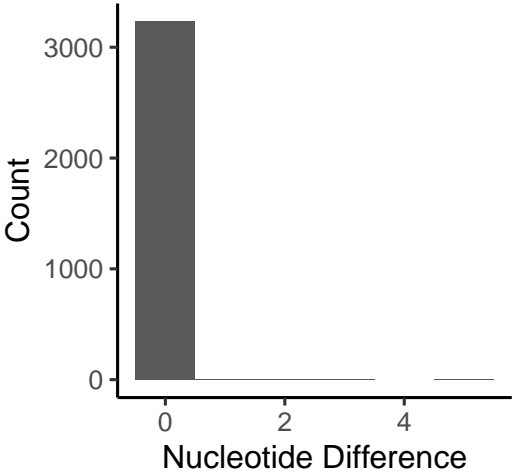
TRBV6-9*ap01

67 sequences assigned
42 (62.7%) exact matches, in which:
42 unique CDR3
12 unique J



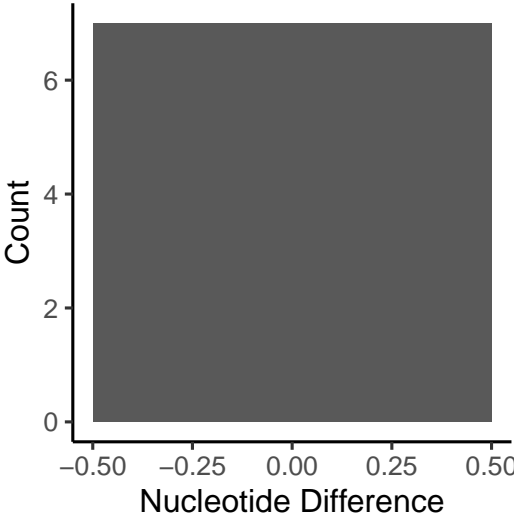
TRBV6-23*ap01

3240 sequences assigned
3233 (99.8%) exact matches, in which:
3223 unique CDR3
13 unique J



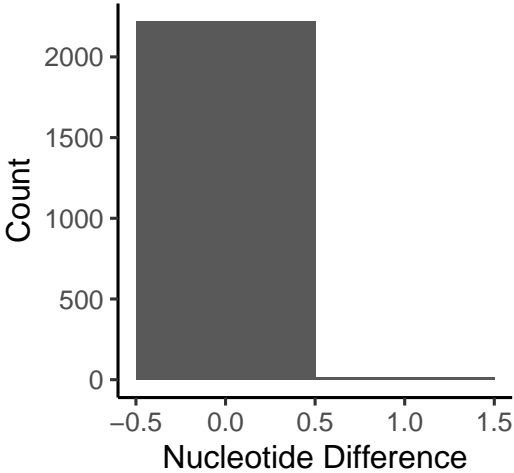
TRBV7-1*ap01

7 sequences assigned
7 (100%) exact matches, in which:
7 unique CDR3
5 unique J



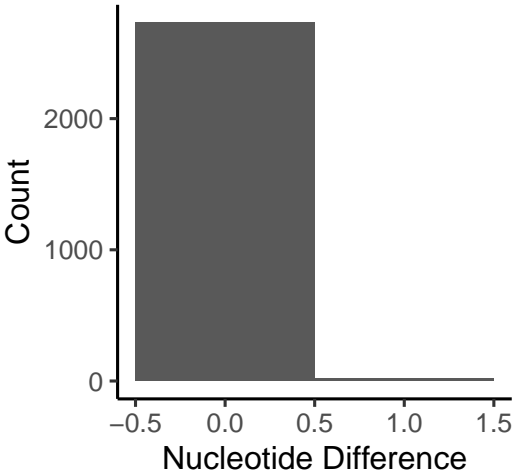
TRBV7-3*ap01

2234 sequences assigned
2220 (99.4%) exact matches, in which:
2204 unique CDR3
13 unique J



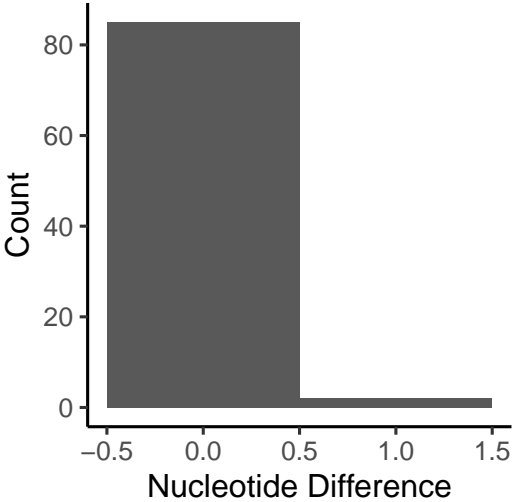
TRBV6-56*ap01

2750 sequences assigned
2731 (99.3%) exact matches, in which:
2720 unique CDR3
13 unique J



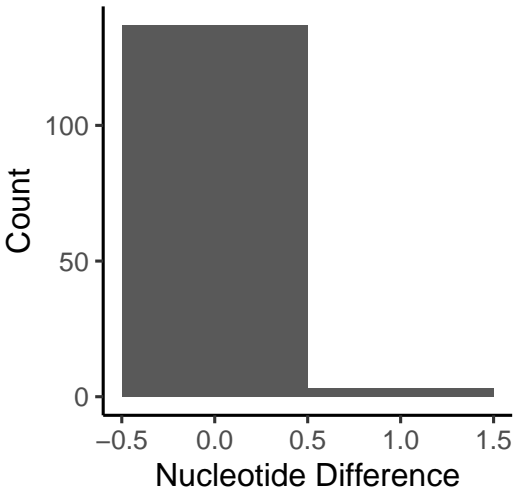
TRBV7-1*ap01_G291C_T

87 sequences assigned
85 (97.7%) exact matches, in which:
85 unique CDR3
13 unique J



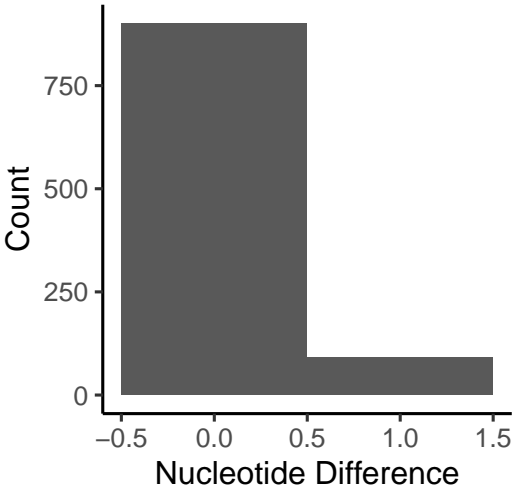
TRBV7-4*ap01

140 sequences assigned
137 (97.9%) exact matches, in which:
137 unique CDR3
13 unique J



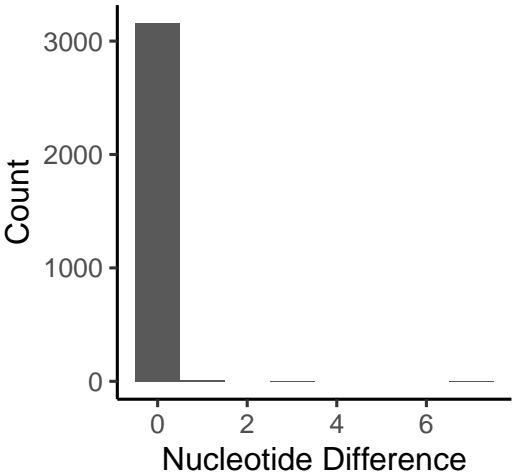
TRBV6-56*ap02

993 sequences assigned
901 (90.7%) exact matches, in which:
901 unique CDR3
13 unique J



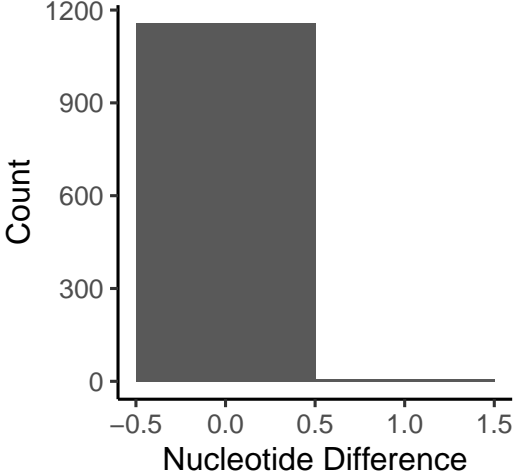
TRBV7-2*ap01

3172 sequences assigned
3159 (99.6%) exact matches, in which:
3151 unique CDR3
13 unique J



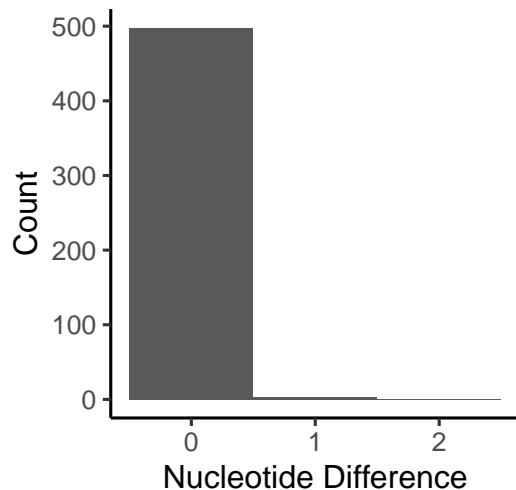
TRBV7-6*ap01

1165 sequences assigned
1158 (99.4%) exact matches, in which:
1157 unique CDR3
13 unique J



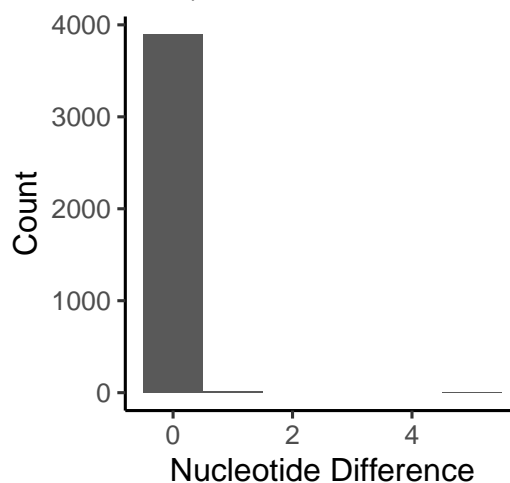
TRBV7-7*ap01_C315T

502 sequences assigned
498 (99.2%) exact matches, in which:
497 unique CDR3
13 unique J



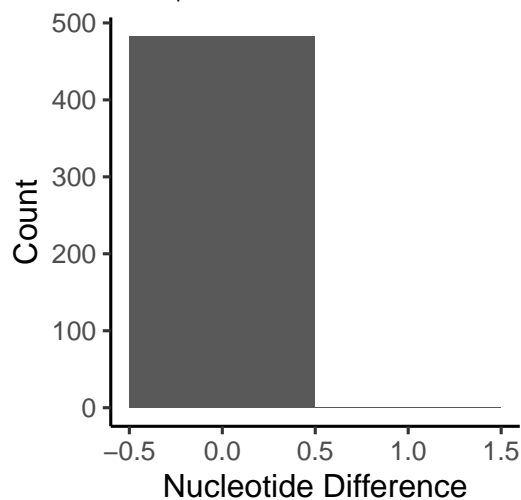
TRBV7-9*ap01

3915 sequences assigned
3896 (99.5%) exact matches, in which:
3888 unique CDR3
13 unique J



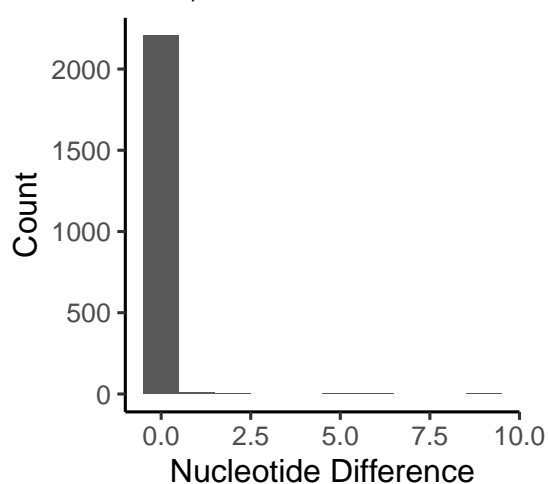
TRBV7-8*ap01

484 sequences assigned
483 (99.8%) exact matches, in which:
482 unique CDR3
13 unique J



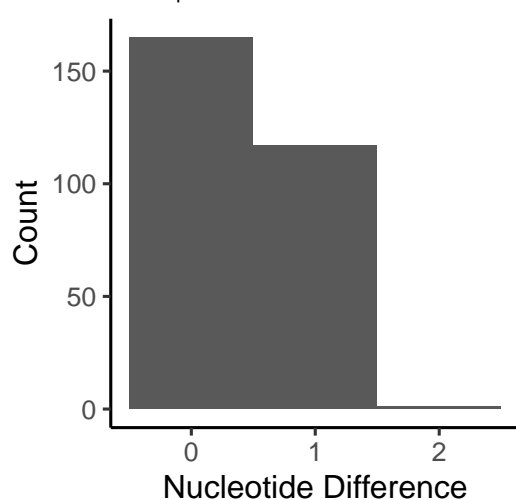
TRBV29-1*ap01

2220 sequences assigned
2205 (99.3%) exact matches, in which:
2195 unique CDR3
13 unique J

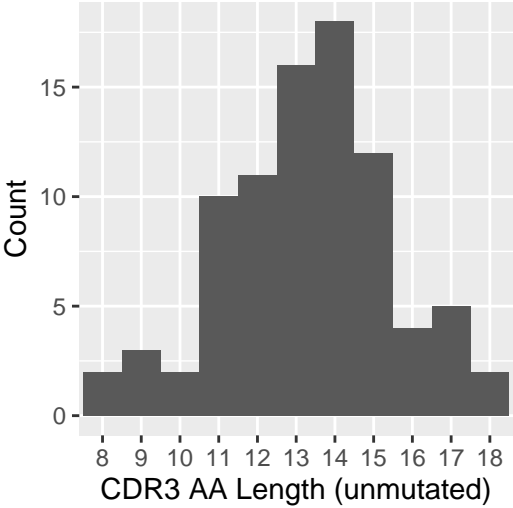


TRBV7-8*ap03

283 sequences assigned
165 (58.3%) exact matches, in which:
165 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

