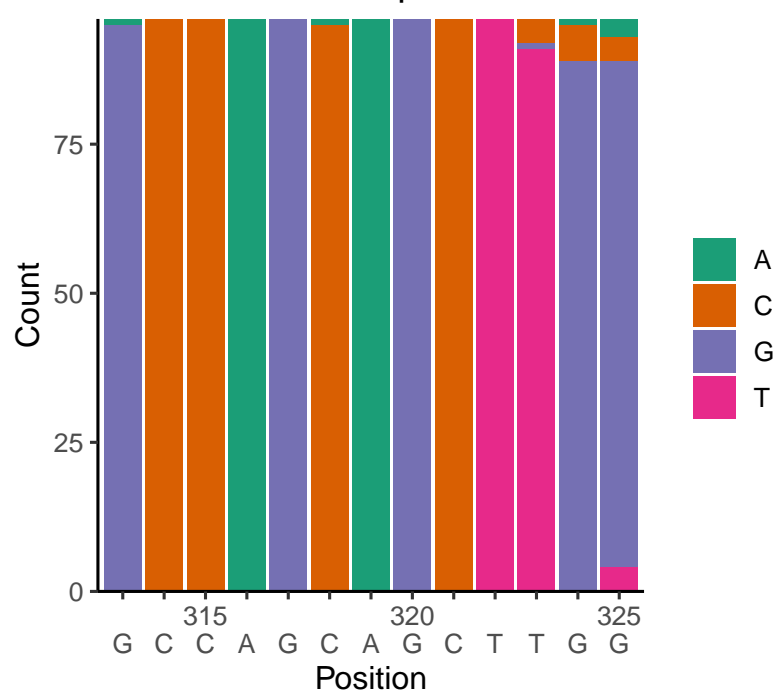
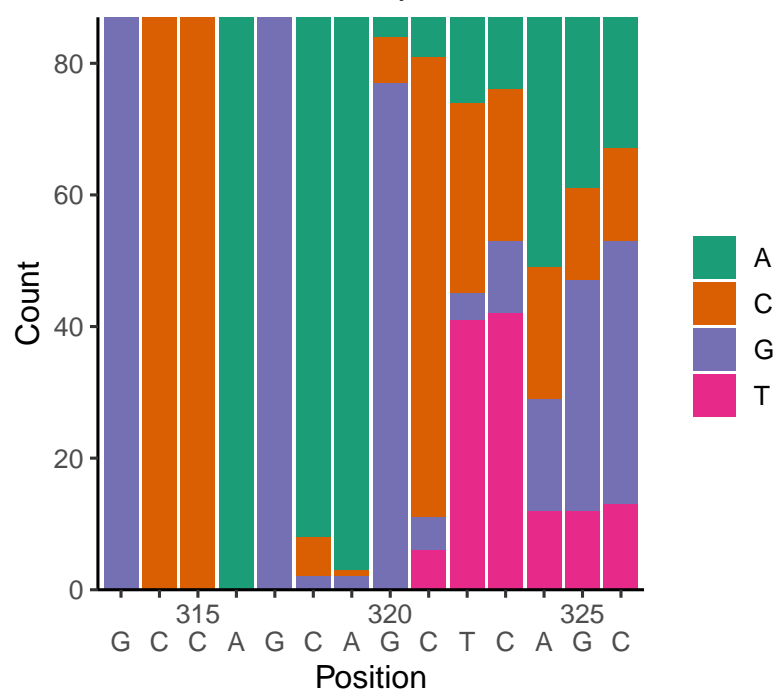


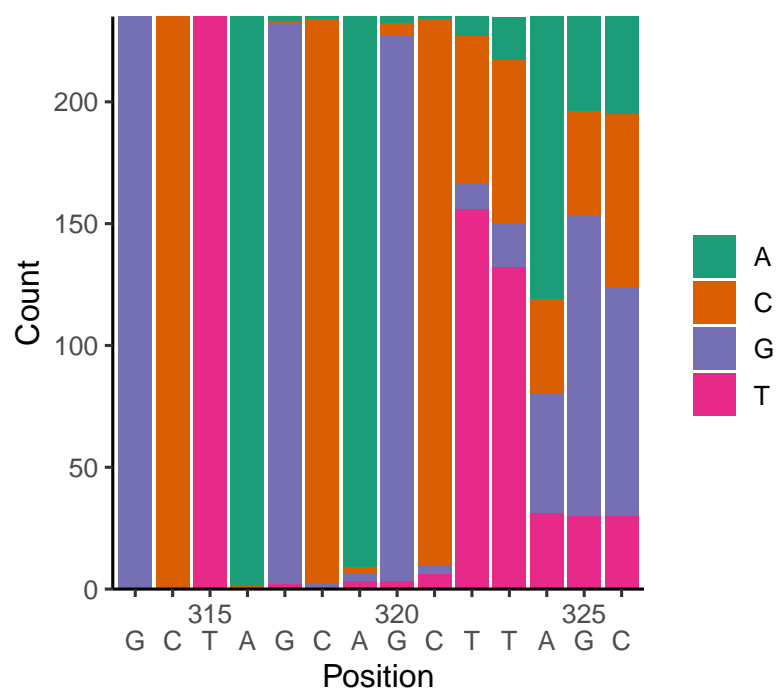
Gene TRBV5-7*ap01_G290A_G291A



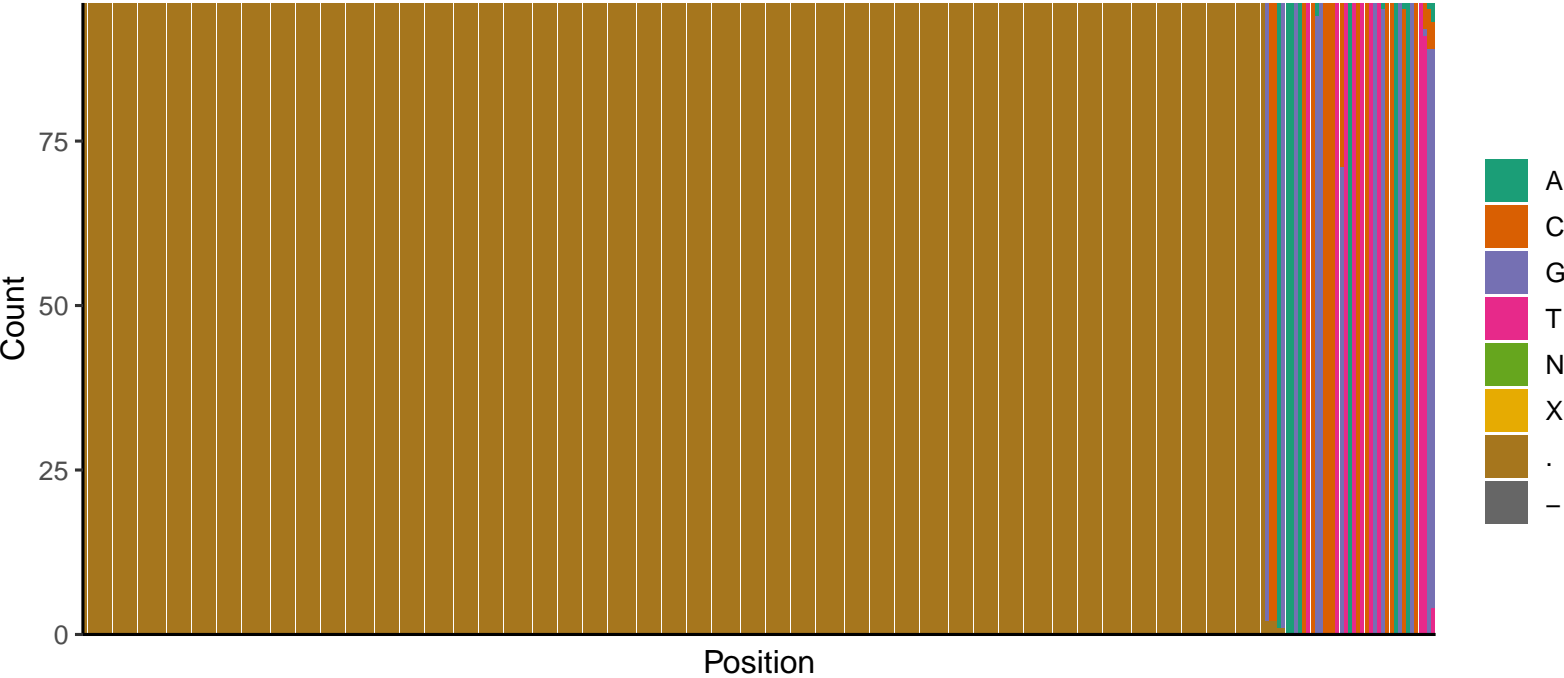
Gene TRBV7-1*ap01_G291C_T296C



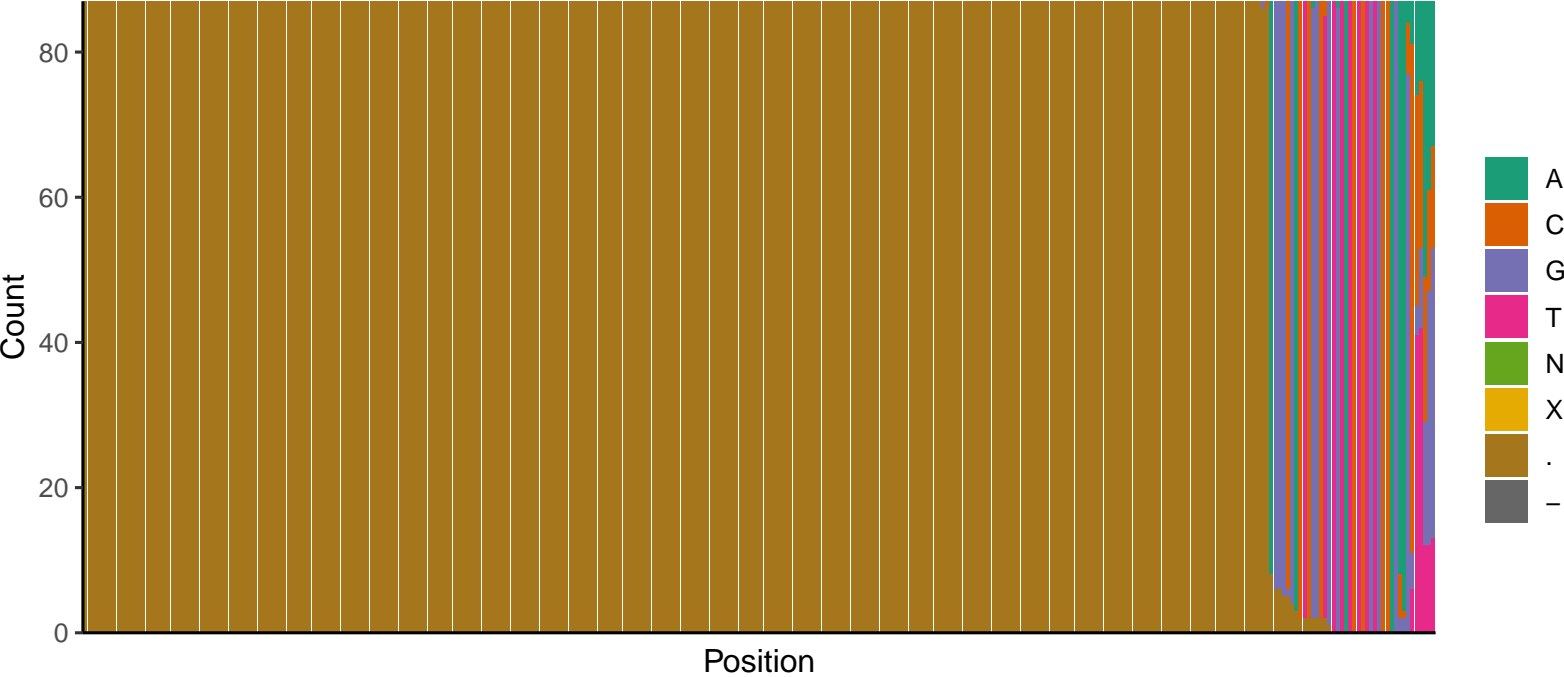
Gene TRBV7-7*ap01_C315T



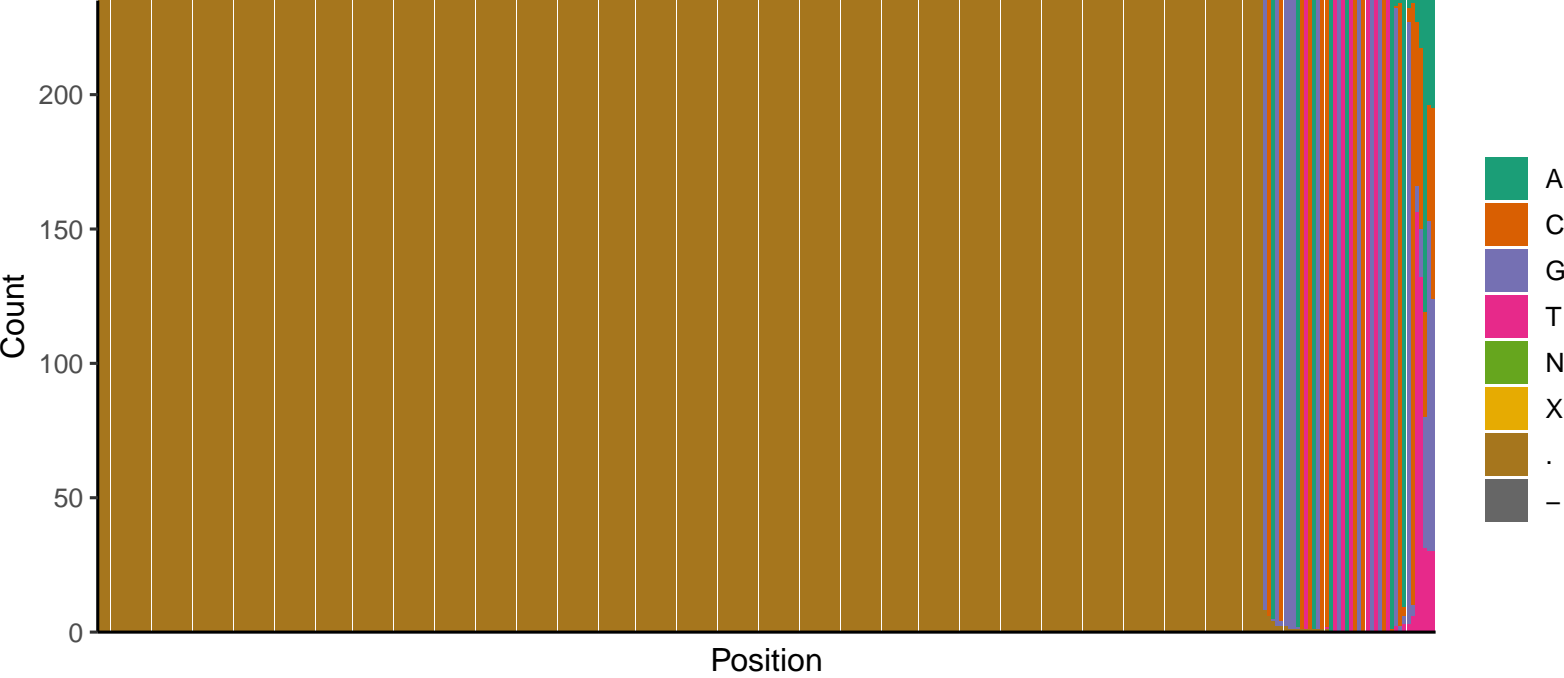
Gene TRBV5-7*ap01_G290A_G291A



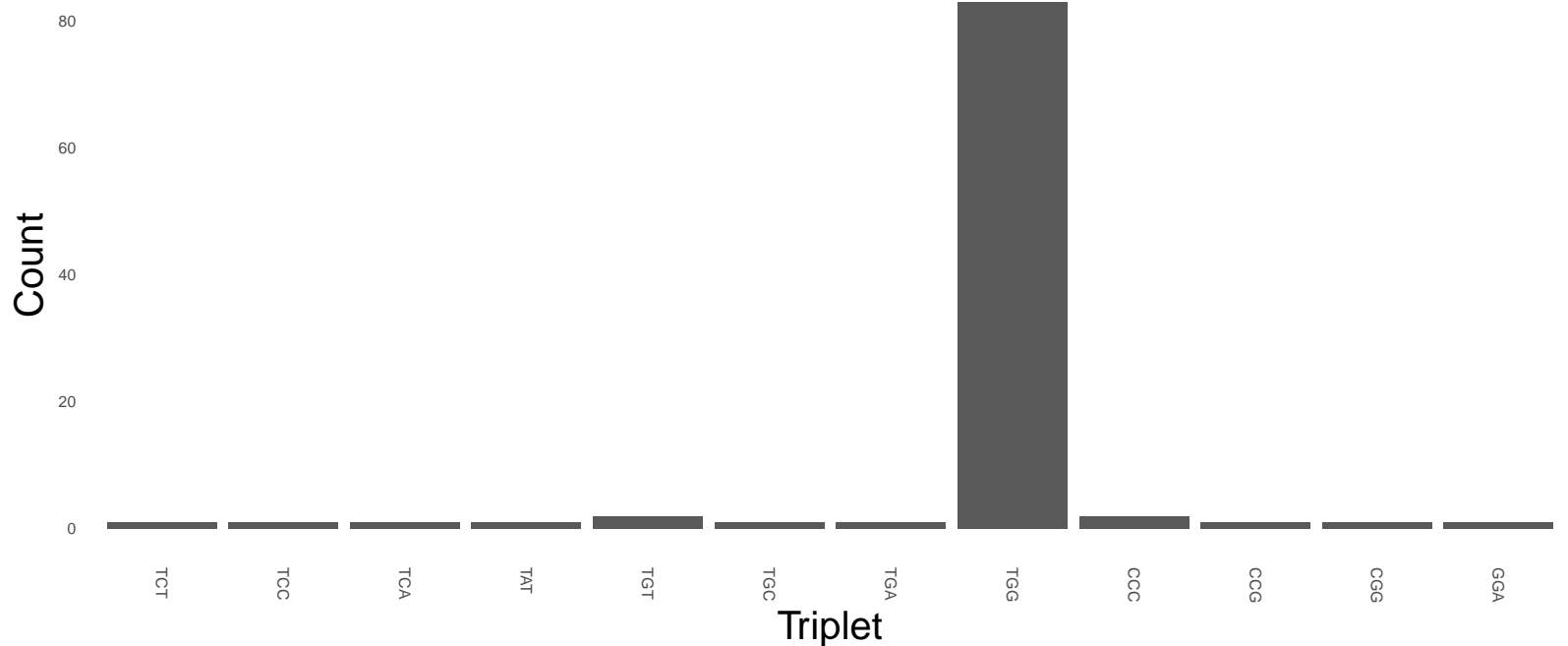
Gene TRBV7-1*ap01_G291C_T296C



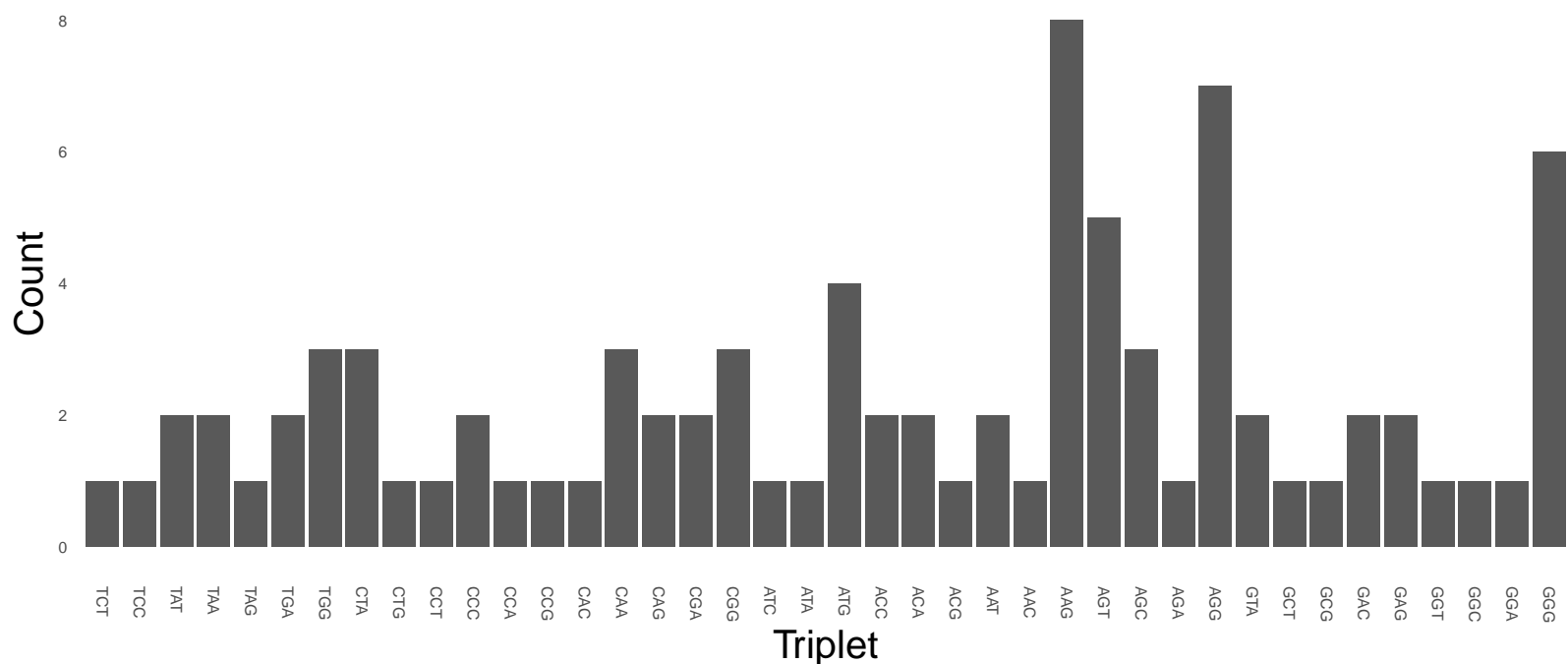
Gene TRBV7-7*ap01_C315T



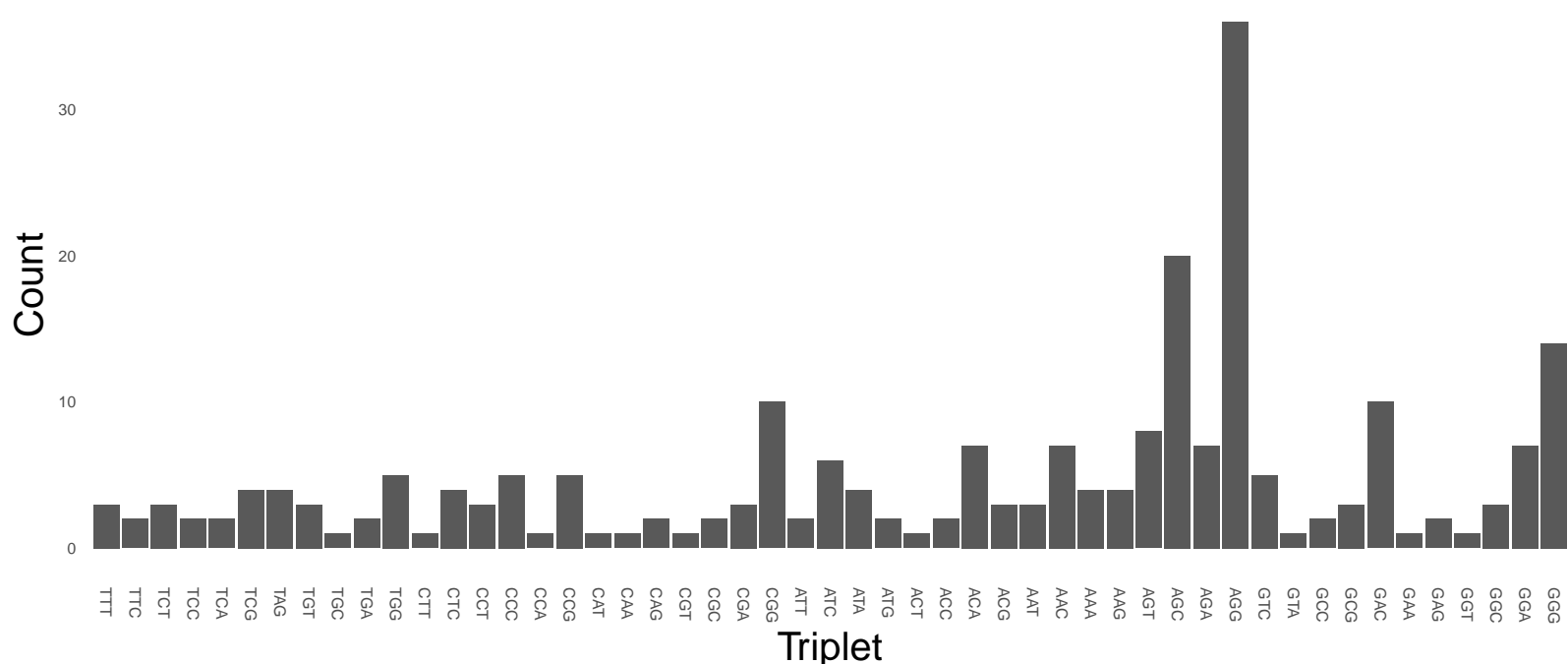
TRBV5-7*ap01_G290A_G291A- Final 3 nucleotides as a triplet



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

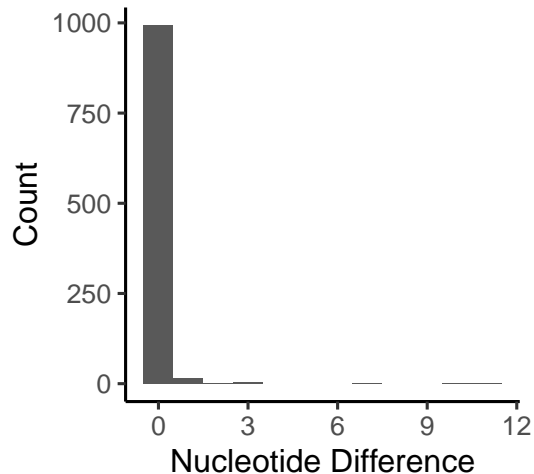


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



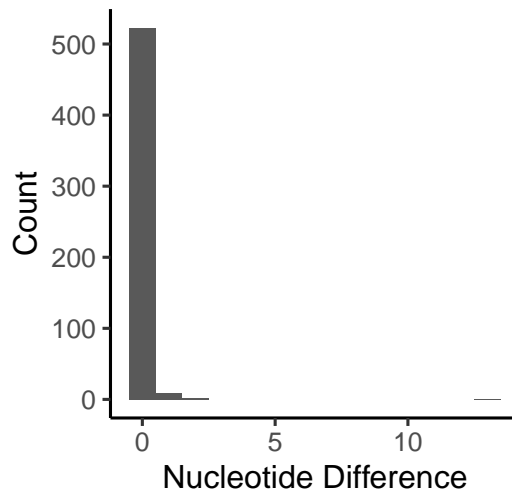
TRBV10-1*ap01

1017 sequences assigned
993 (97.6%) exact matches, in which:
962 unique CDR3
13 unique J



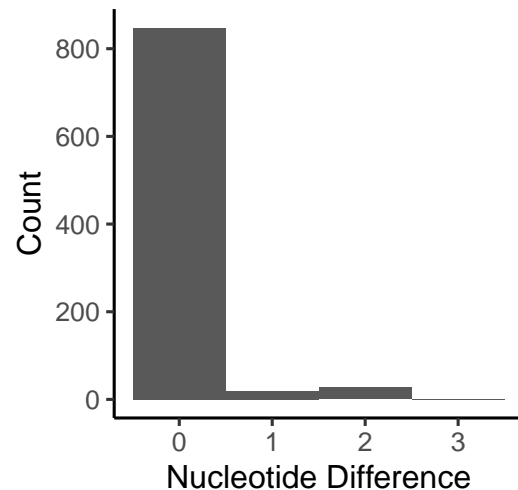
TRBV10-2*ap01

535 sequences assigned
523 (97.8%) exact matches, in which:
505 unique CDR3
13 unique J



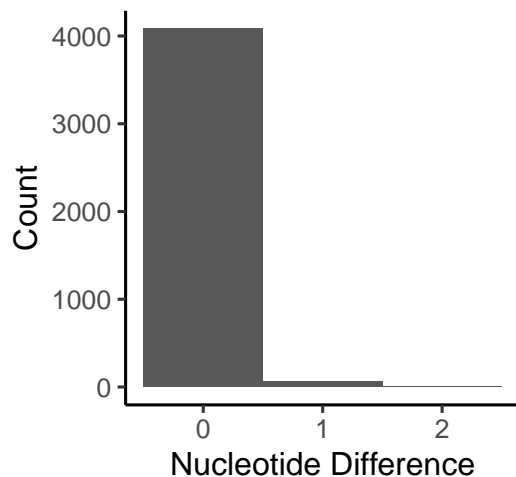
TRBV13*ap01

896 sequences assigned
848 (94.6%) exact matches, in which:
809 unique CDR3
13 unique J



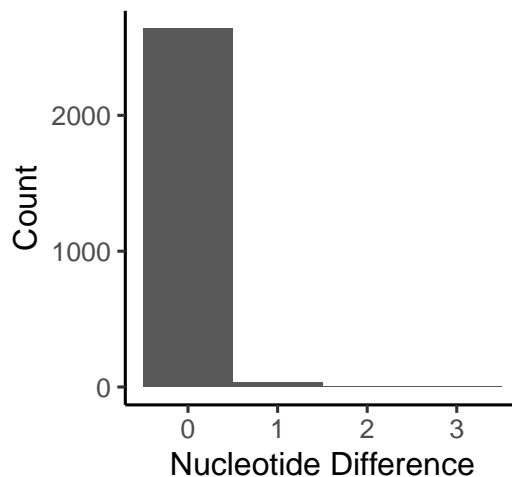
TRBV20-1*ap01

4143 sequences assigned
4083 (98.6%) exact matches, in which:
4046 unique CDR3
13 unique J



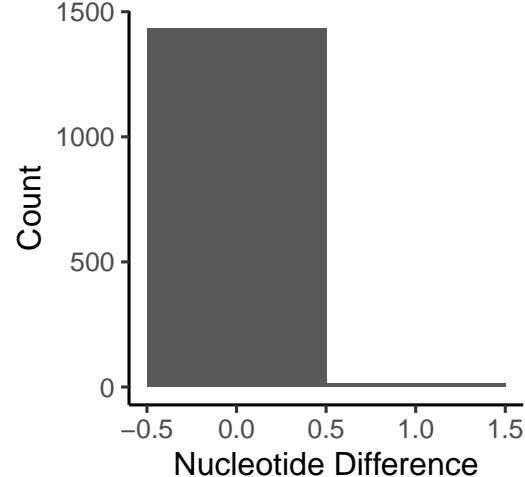
TRBV10-3*ap01

2671 sequences assigned
2638 (98.8%) exact matches, in which:
2587 unique CDR3
13 unique J



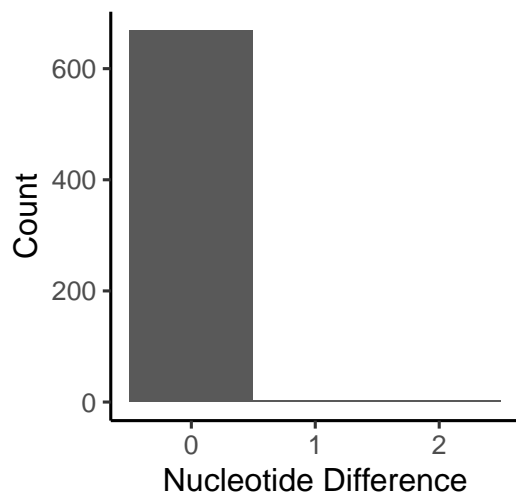
TRBV14*ap01

1448 sequences assigned
1432 (98.9%) exact matches, in which:
1418 unique CDR3
13 unique J



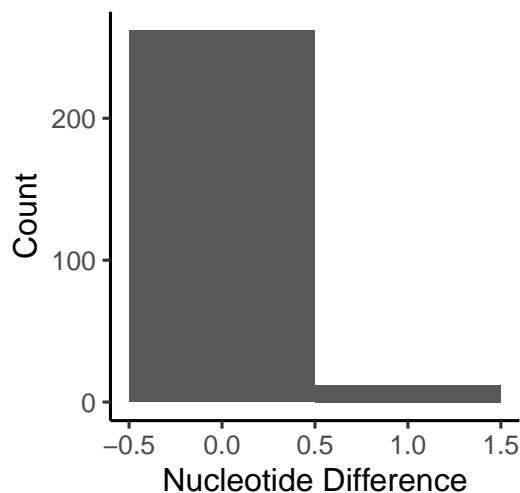
TRBV20-1*ap02

674 sequences assigned
669 (99.3%) exact matches, in which:
661 unique CDR3
13 unique J



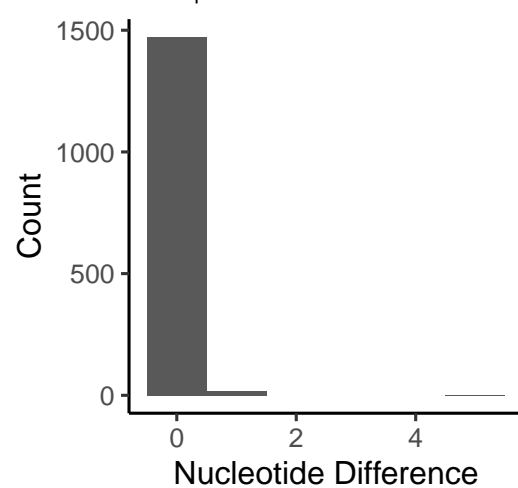
TRBV1*ap01

274 sequences assigned
262 (95.6%) exact matches, in which:
257 unique CDR3
13 unique J



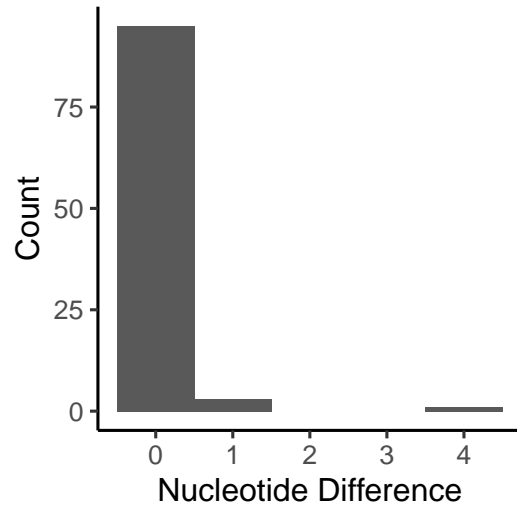
TRBV15*ap02

1491 sequences assigned
1472 (98.7%) exact matches, in which:
1401 unique CDR3
13 unique J



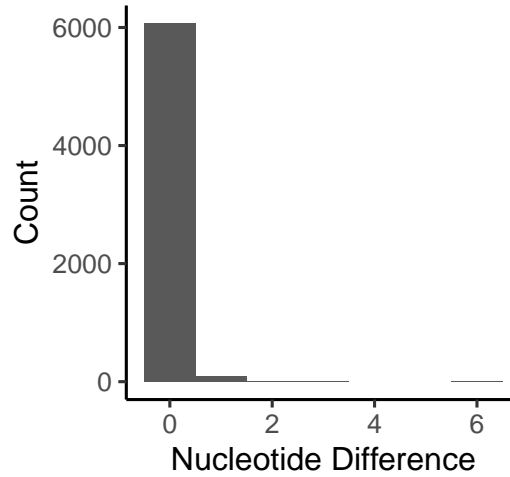
TRBV16*ap01

99 sequences assigned
95 (96%) exact matches, in which:
94 unique CDR3
13 unique J



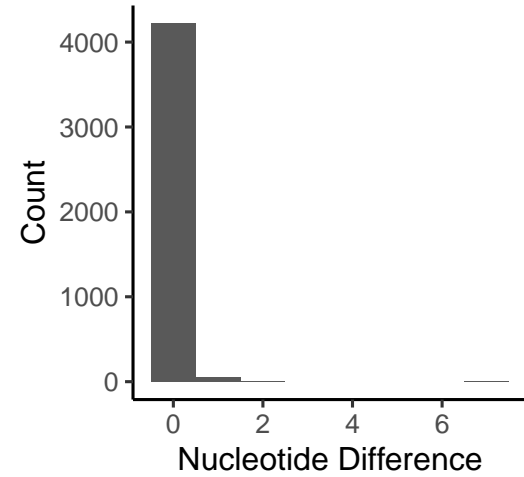
TRBV19*ap01

6175 sequences assigned
6069 (98.3%) exact matches, in which:
6030 unique CDR3
13 unique J



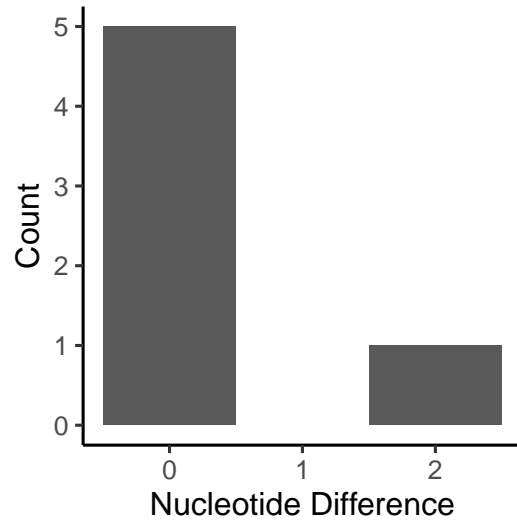
TRBV28*ap01

4285 sequences assigned
4220 (98.5%) exact matches, in which:
4166 unique CDR3
13 unique J



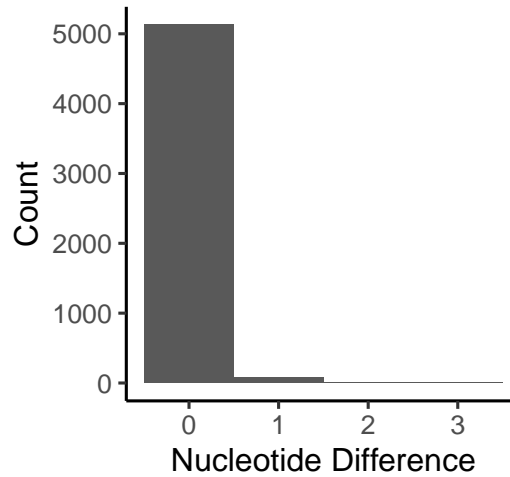
TRBV17*ap01

6 sequences assigned
5 (83.3%) exact matches, in which:
5 unique CDR3
4 unique J



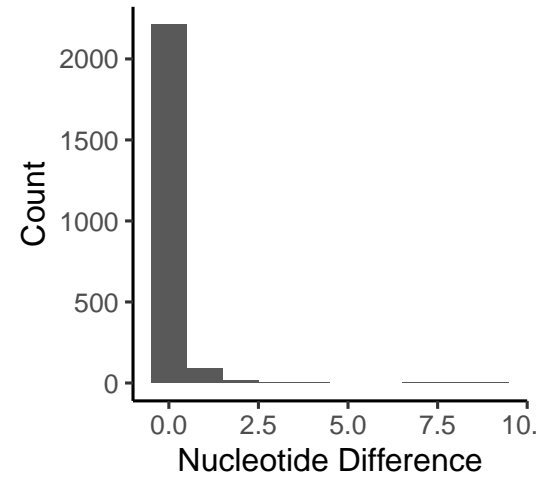
TRBV2*ap01

5223 sequences assigned
5130 (98.2%) exact matches, in which:
5054 unique CDR3
13 unique J



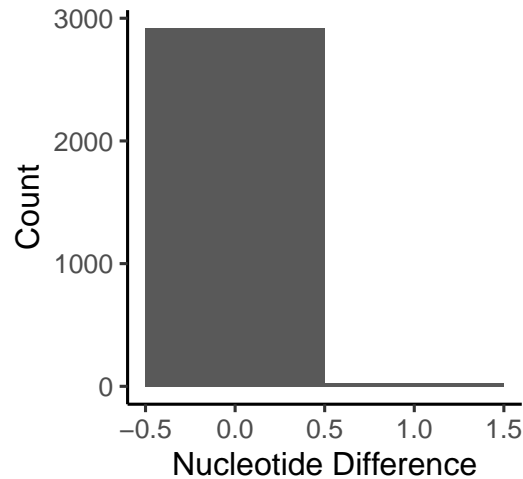
TRBV30*ap01

2322 sequences assigned
2211 (95.2%) exact matches, in which:
2177 unique CDR3
13 unique J



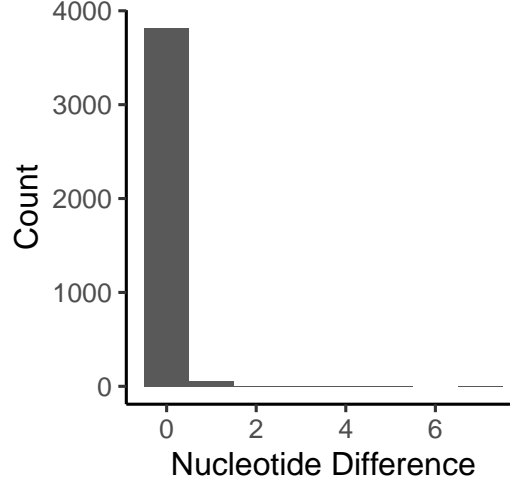
TRBV18*ap01

2946 sequences assigned
2920 (99.1%) exact matches, in which:
2888 unique CDR3
13 unique J



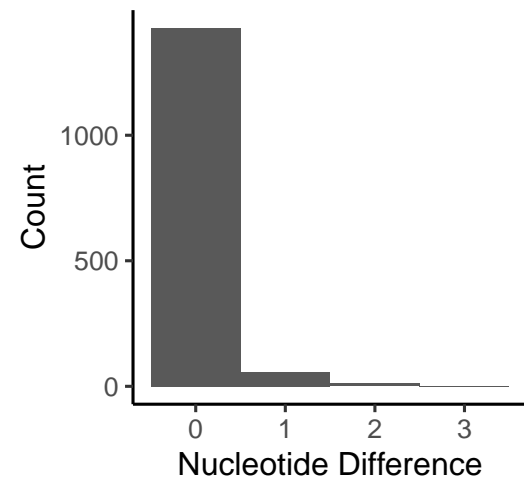
TRBV27*ap01

3881 sequences assigned
3816 (98.3%) exact matches, in which:
3749 unique CDR3
13 unique J



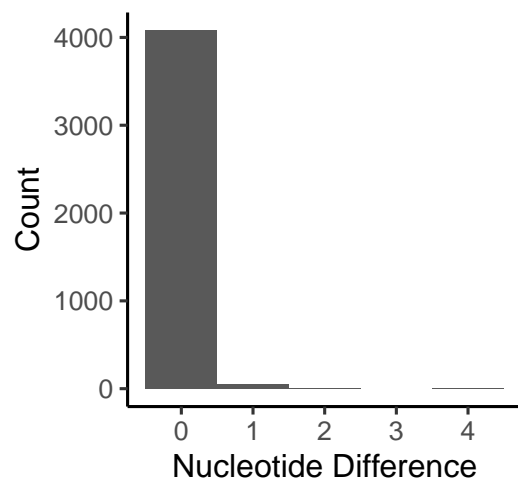
TRBV30*ap02

1495 sequences assigned
1427 (95.5%) exact matches, in which:
1412 unique CDR3
13 unique J



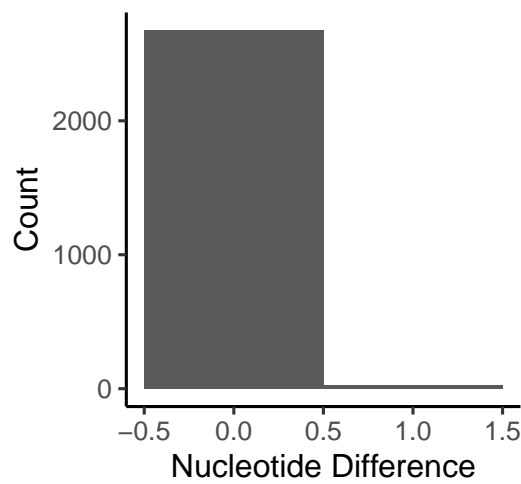
TRBV9*ap01

4132 sequences assigned
4080 (98.7%) exact matches, in which:
3931 unique CDR3
13 unique J



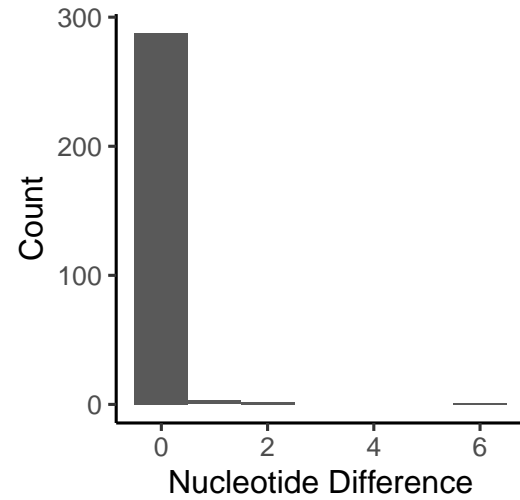
TRBV11-2*ap01

2704 sequences assigned
2675 (98.9%) exact matches, in which:
2658 unique CDR3
13 unique J



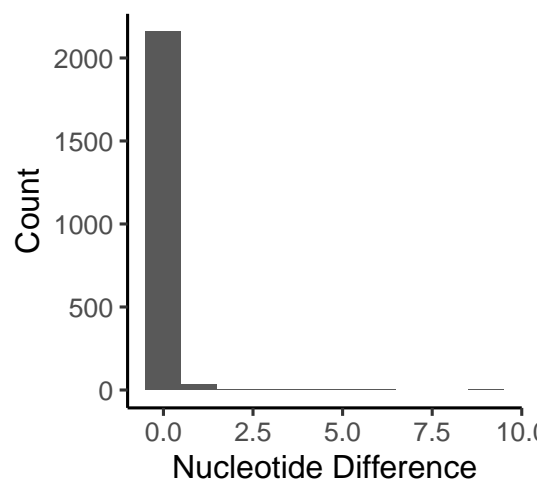
TRBV12-2*ap01

294 sequences assigned
288 (98%) exact matches, in which:
284 unique CDR3
13 unique J



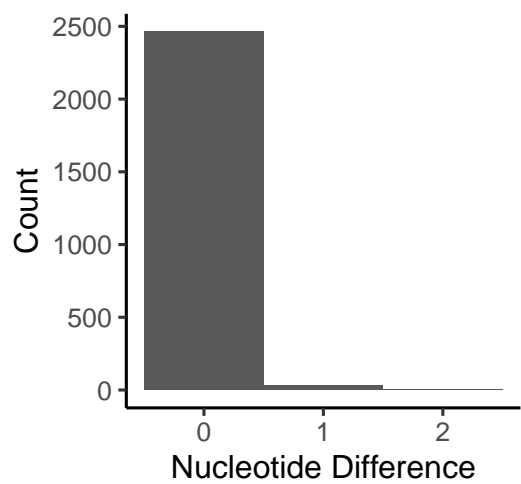
TRBV21-1*ap01

2202 sequences assigned
2158 (98%) exact matches, in which:
2129 unique CDR3
13 unique J



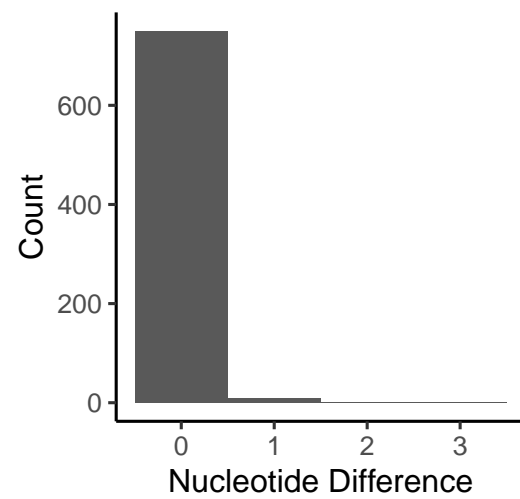
TRBV11-3*ap01

2495 sequences assigned
2463 (98.7%) exact matches, in which:
2442 unique CDR3
13 unique J



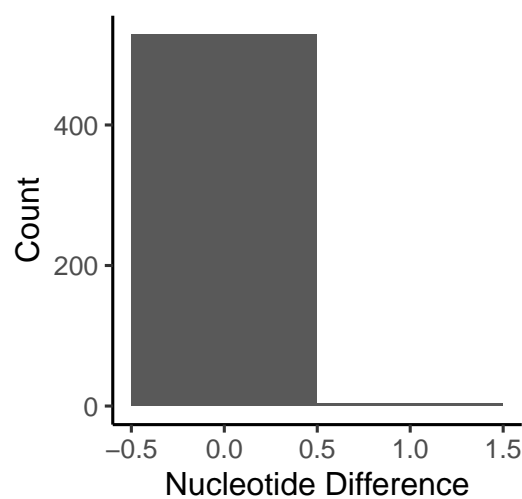
TRBV12-5*ap01

761 sequences assigned
750 (98.6%) exact matches, in which:
717 unique CDR3
13 unique J



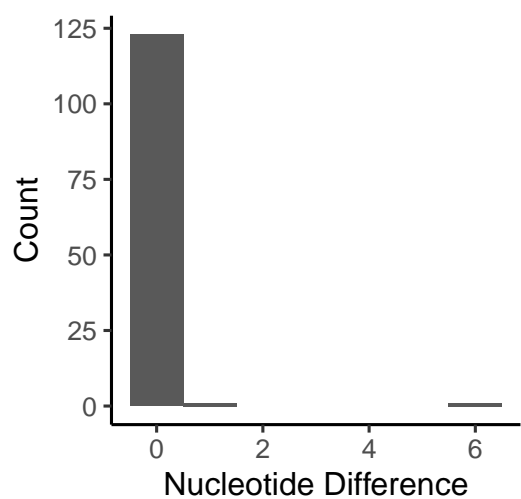
TRBV11-1*ap01

533 sequences assigned
529 (99.2%) exact matches, in which:
525 unique CDR3
13 unique J



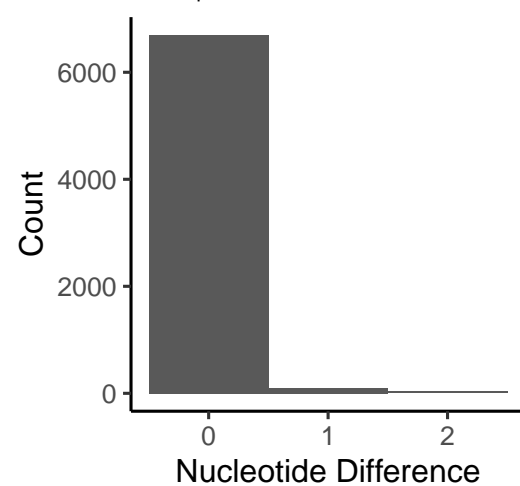
TRBV12-1*ap01

125 sequences assigned
123 (98.4%) exact matches, in which:
122 unique CDR3
12 unique J



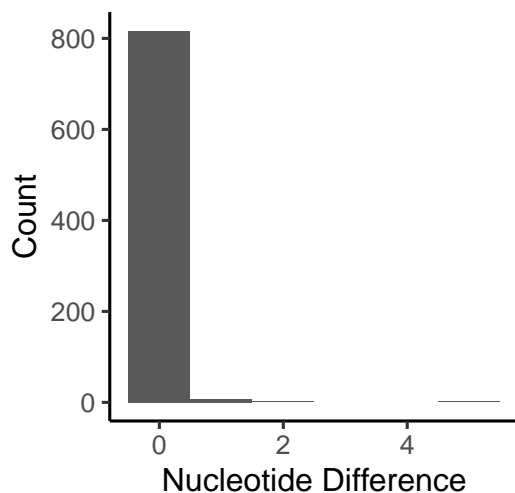
TRBV12-34*ap01

6825 sequences assigned
6696 (98.1%) exact matches, in which:
6592 unique CDR3
13 unique J



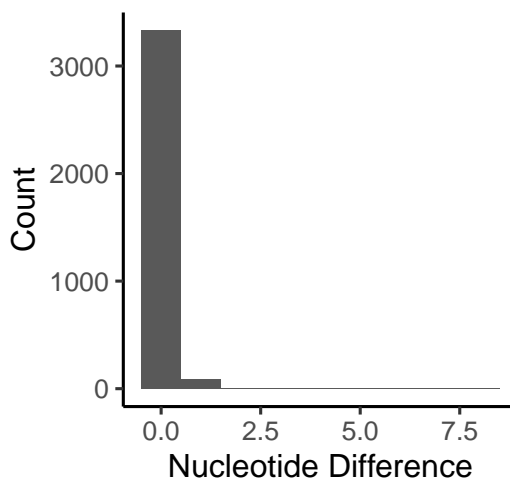
TRBV23-1*ap01

829 sequences assigned
817 (98.6%) exact matches, in which:
805 unique CDR3
13 unique J



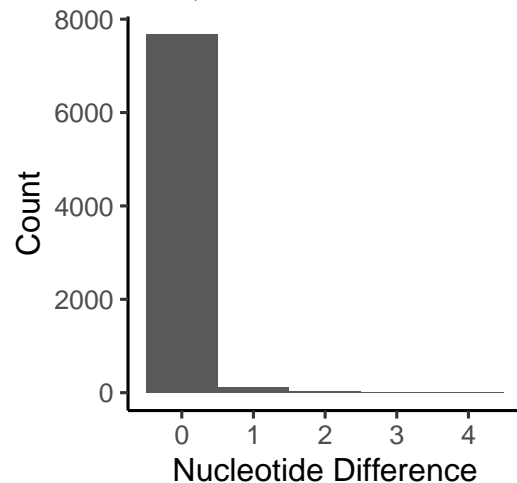
TRBV4-1*ap01

3439 sequences assigned
3331 (96.9%) exact matches, in which:
3276 unique CDR3
13 unique J



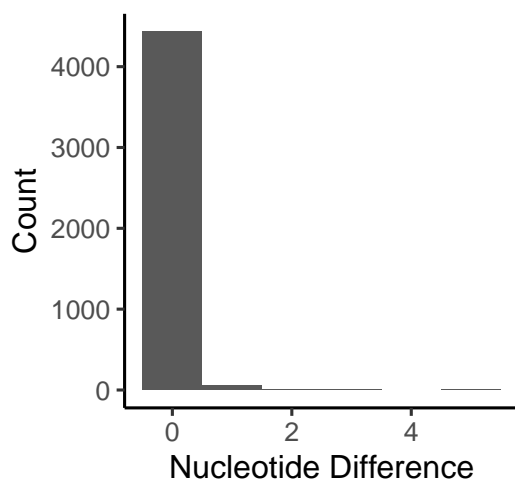
TRBV5-1*ap01

7820 sequences assigned
7674 (98.1%) exact matches, in which:
7060 unique CDR3
13 unique J



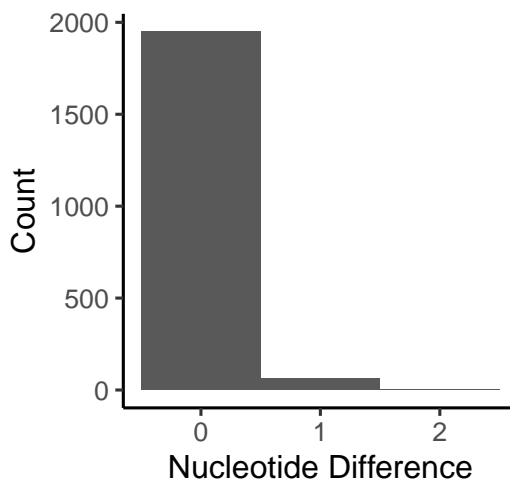
TRBV3-12*ap01

4493 sequences assigned
4432 (98.6%) exact matches, in which:
4384 unique CDR3
13 unique J



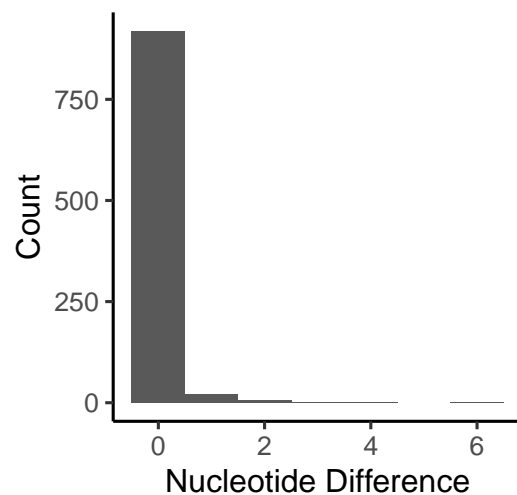
TRBV4-2*ap01

2018 sequences assigned
1949 (96.6%) exact matches, in which:
1925 unique CDR3
13 unique J



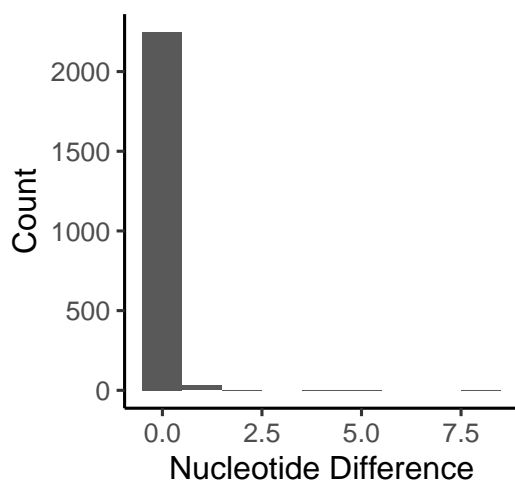
TRBV25-1*ap01

949 sequences assigned
919 (96.8%) exact matches, in which:
903 unique CDR3
13 unique J



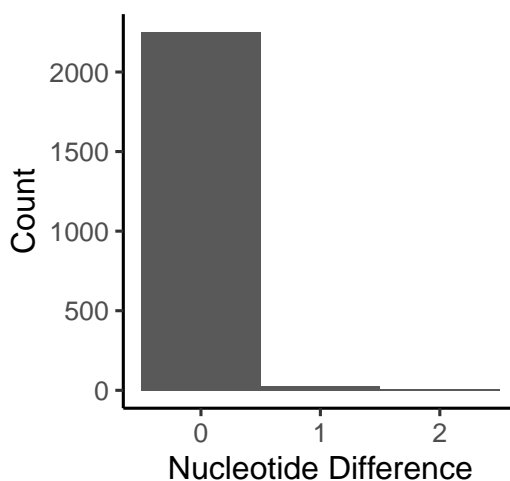
TRBV24-1*ap01

2282 sequences assigned
2248 (98.5%) exact matches, in which:
2221 unique CDR3
13 unique J



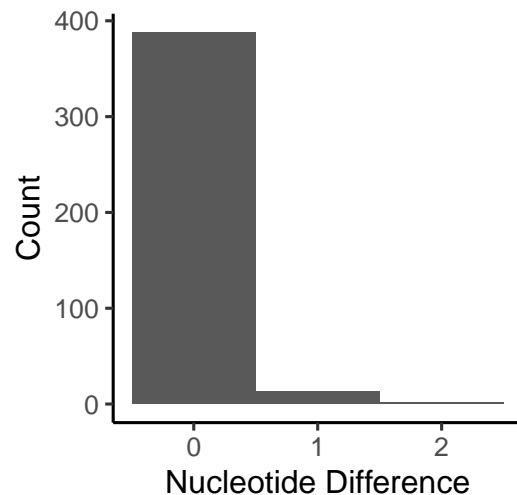
TRBV4-3*ap01

2288 sequences assigned
2251 (98.4%) exact matches, in which:
2207 unique CDR3
13 unique J



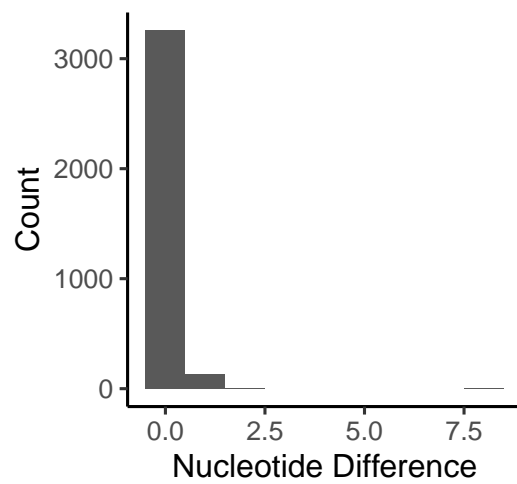
TRBV5-3*ap01

403 sequences assigned
388 (96.3%) exact matches, in which:
367 unique CDR3
13 unique J



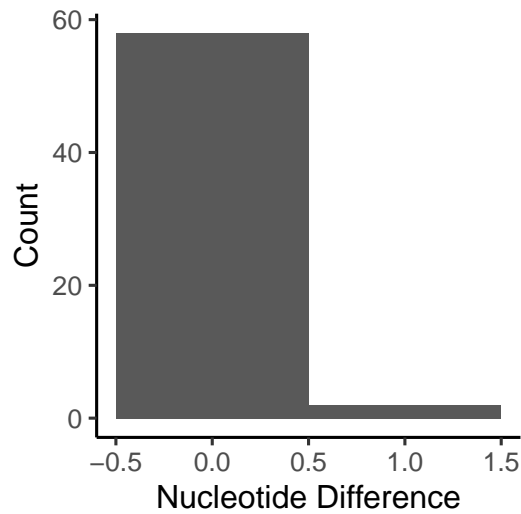
TRBV5-4*ap01

3390 sequences assigned
3257 (96.1%) exact matches, in which:
3222 unique CDR3
13 unique J



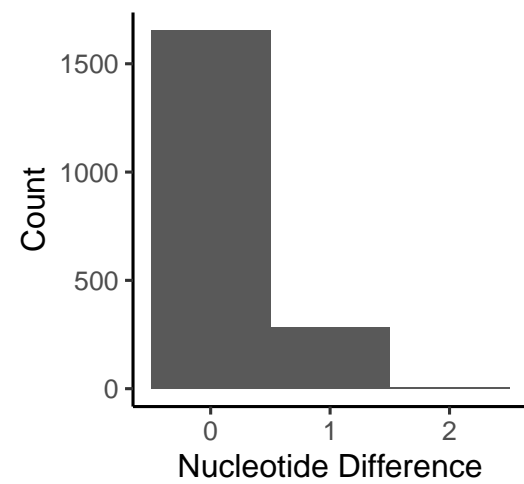
TRBV5-7*ap01

60 sequences assigned
58 (96.7%) exact matches, in which:
57 unique CDR3
12 unique J



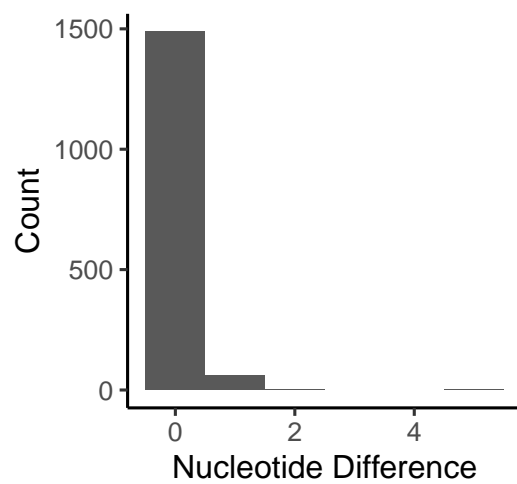
TRBV6-1*ap01

1947 sequences assigned
1654 (85%) exact matches, in which:
1629 unique CDR3
13 unique J



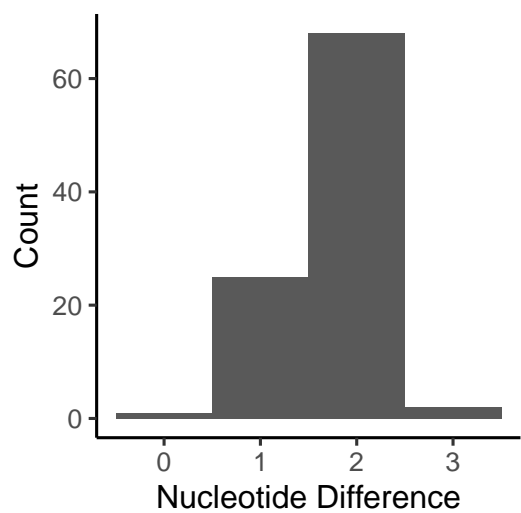
TRBV5-5*ap01

1553 sequences assigned
1488 (95.8%) exact matches, in which:
1405 unique CDR3
13 unique J



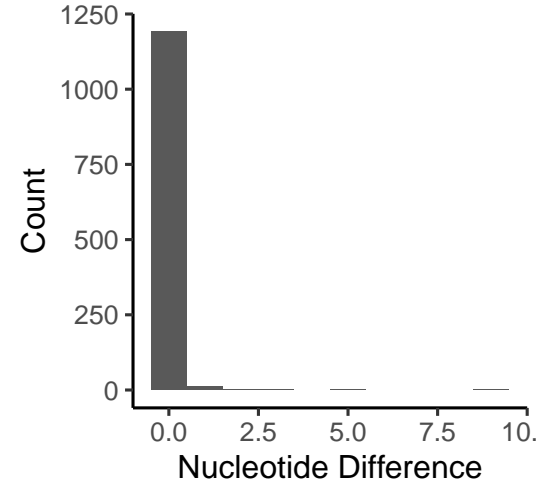
TRBV5-7*ap01_G290A_G

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



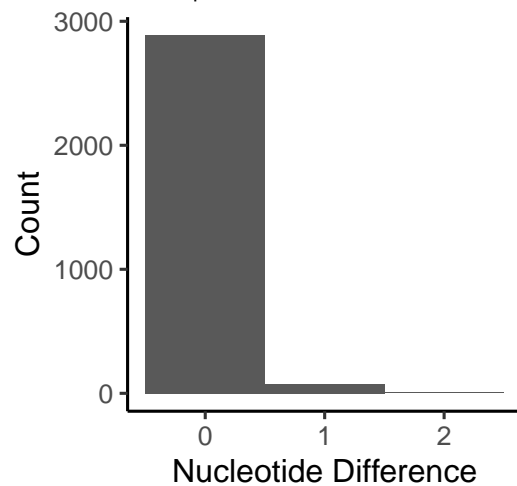
TRBV6-4*ap01

1210 sequences assigned
1191 (98.4%) exact matches, in which:
1166 unique CDR3
13 unique J



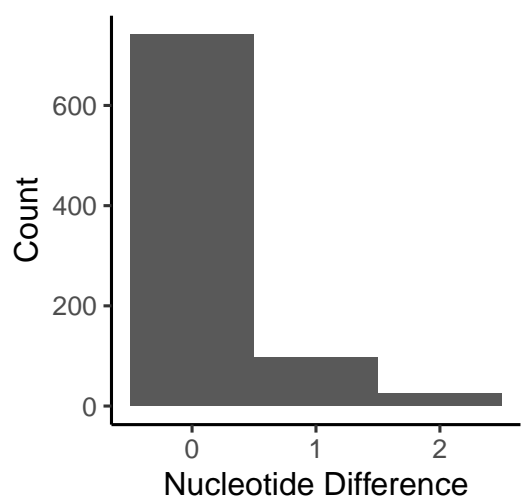
TRBV5-6*ap01

2972 sequences assigned
2889 (97.2%) exact matches, in which:
2632 unique CDR3
13 unique J



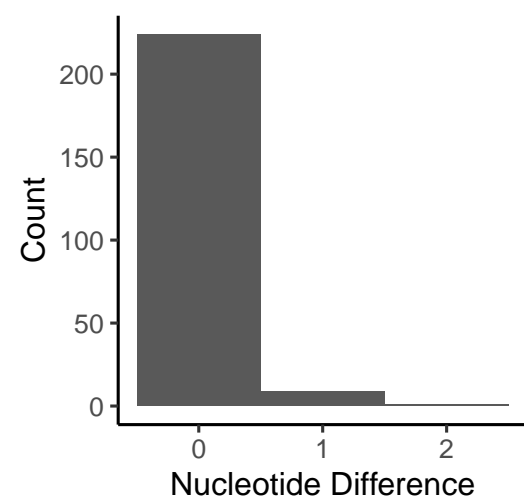
TRBV5-8*ap01

864 sequences assigned
742 (85.9%) exact matches, in which:
733 unique CDR3
13 unique J



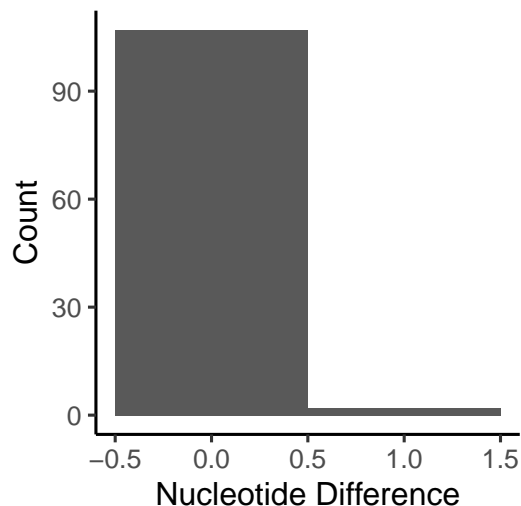
TRBV6-7*ap01

234 sequences assigned
224 (95.7%) exact matches, in which:
220 unique CDR3
13 unique J



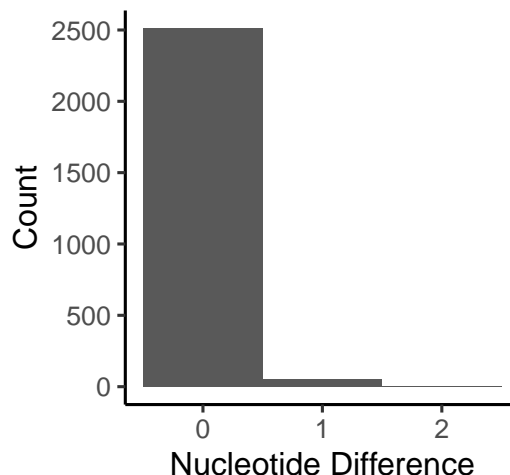
TRBV6-8*ap01

109 sequences assigned
107 (98.2%) exact matches, in which:
105 unique CDR3
12 unique J



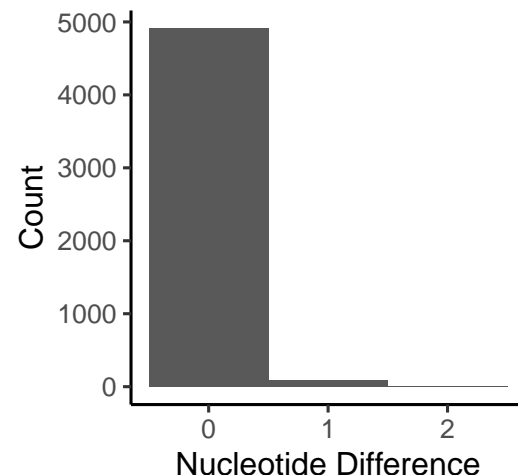
TRBV6-56*ap01

2570 sequences assigned
2511 (97.7%) exact matches, in which:
2441 unique CDR3
13 unique J



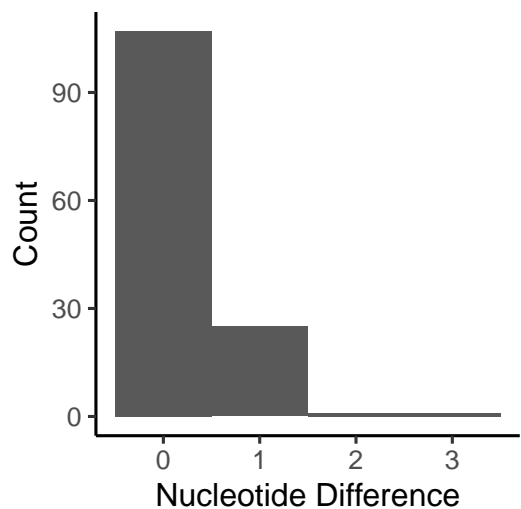
TRBV7-2*ap01

4999 sequences assigned
4911 (98.2%) exact matches, in which:
4867 unique CDR3
13 unique J



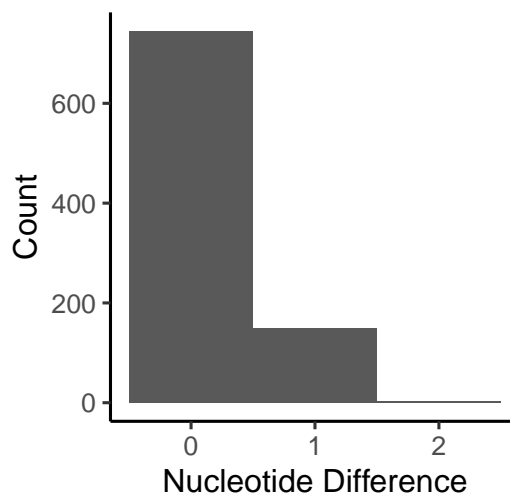
TRBV6-9*ap01

134 sequences assigned
107 (79.9%) exact matches, in which:
105 unique CDR3
13 unique J



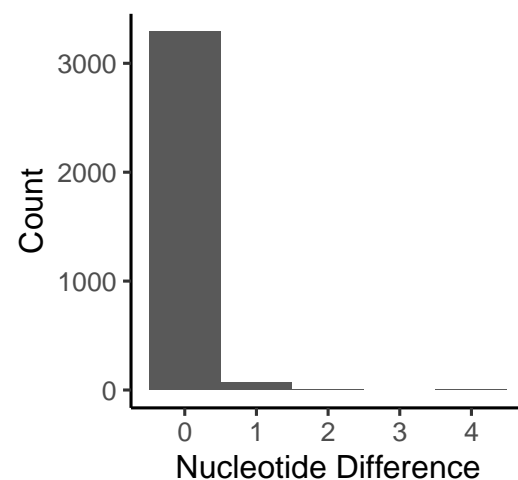
TRBV6-56*ap02

899 sequences assigned
745 (82.9%) exact matches, in which:
731 unique CDR3
13 unique J



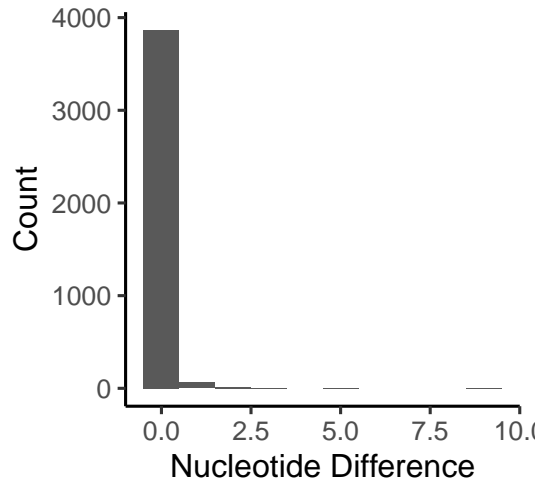
TRBV7-3*ap01

3361 sequences assigned
3290 (97.9%) exact matches, in which:
3126 unique CDR3
13 unique J



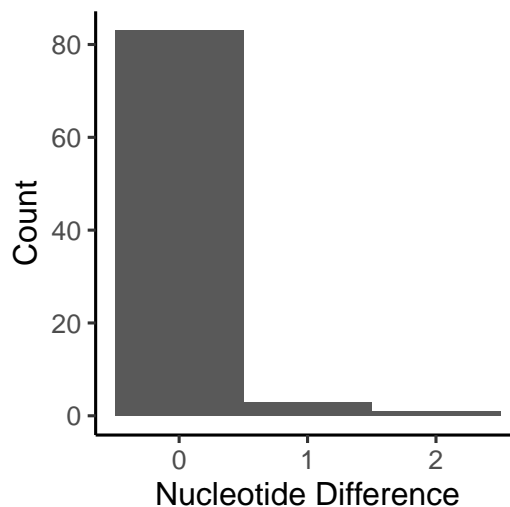
TRBV6-23*ap01

3946 sequences assigned
3866 (98%) exact matches, in which:
3813 unique CDR3
13 unique J



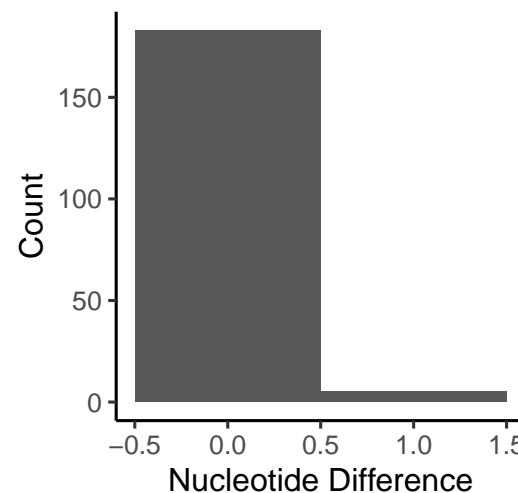
TRBV7-1*ap01_G291C_T

87 sequences assigned
83 (95.4%) exact matches, in which:
79 unique CDR3
12 unique J



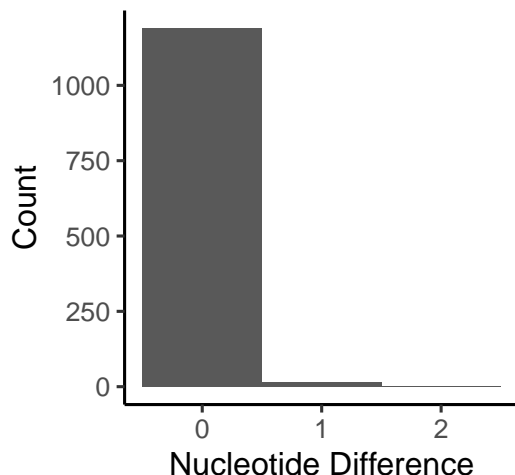
TRBV7-4*ap01

188 sequences assigned
183 (97.3%) exact matches, in which:
174 unique CDR3
13 unique J



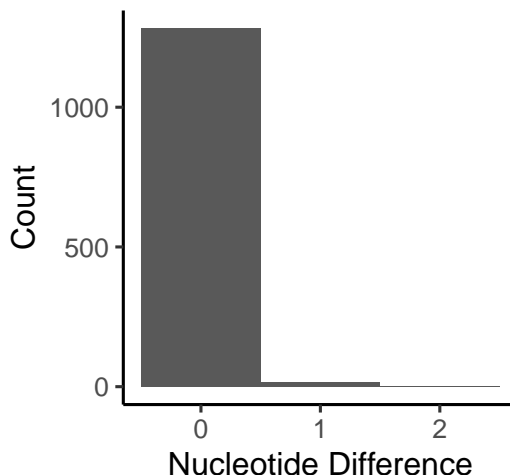
TRBV7-6*ap01

1205 sequences assigned
1189 (98.7%) exact matches, in which:
1170 unique CDR3
13 unique J



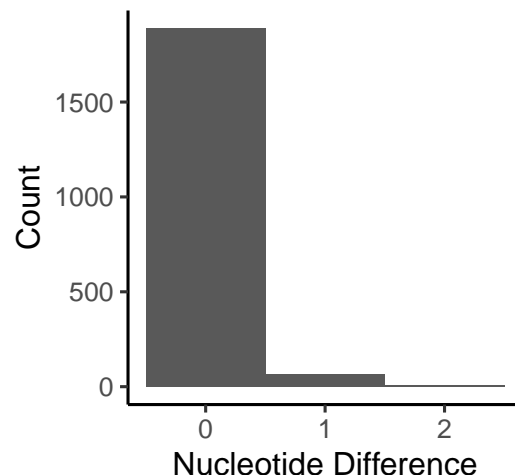
TRBV7-8*ap01

1301 sequences assigned
1282 (98.5%) exact matches, in which:
1267 unique CDR3
13 unique J



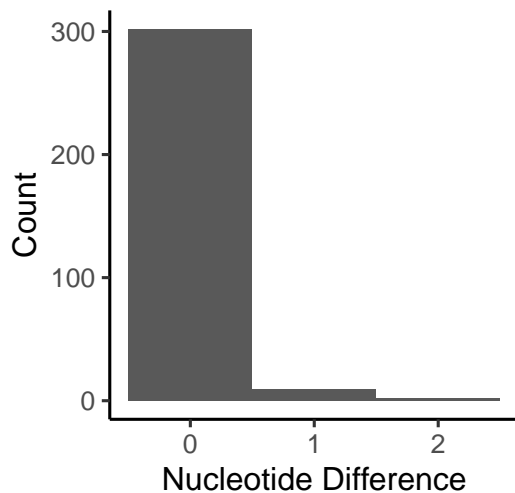
TRBV29-1*ap01

1959 sequences assigned
1888 (96.4%) exact matches, in which:
1851 unique CDR3
13 unique J



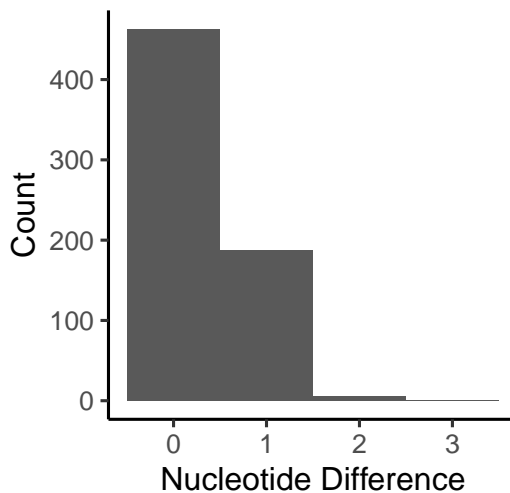
TRBV7-7*ap01

313 sequences assigned
302 (96.5%) exact matches, in which:
300 unique CDR3
13 unique J



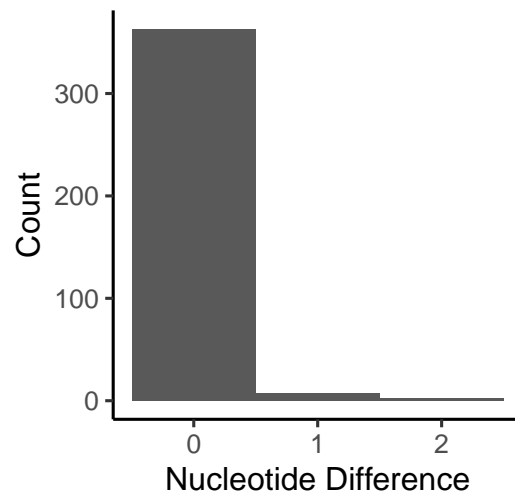
TRBV7-8*ap03

658 sequences assigned
463 (70.4%) exact matches, in which:
461 unique CDR3
13 unique J



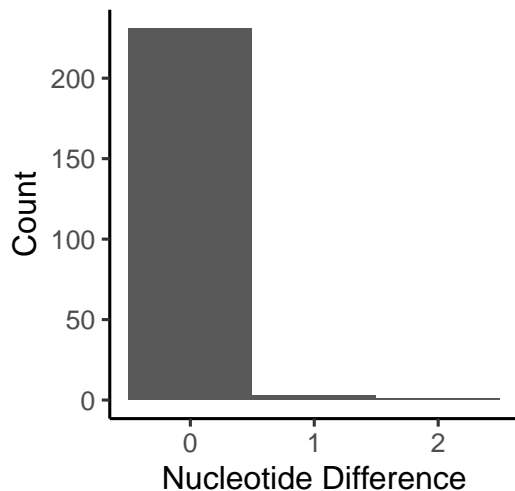
TRBV29-1*ap02

372 sequences assigned
363 (97.6%) exact matches, in which:
355 unique CDR3
13 unique J



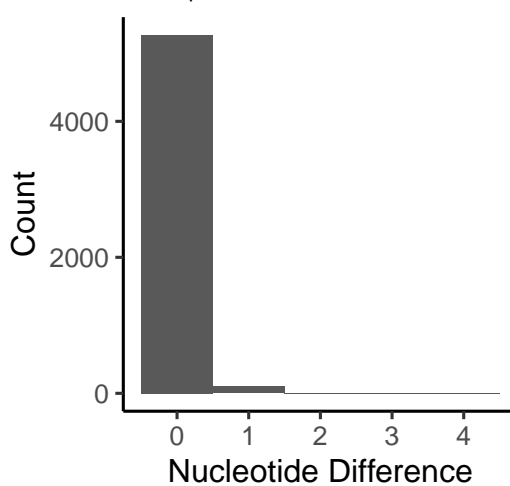
TRBV7-7*ap01_C315T

235 sequences assigned
231 (98.3%) exact matches, in which:
229 unique CDR3
13 unique J

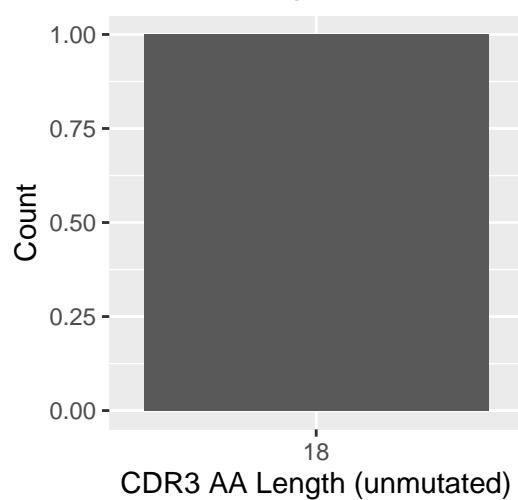


TRBV7-9*ap01

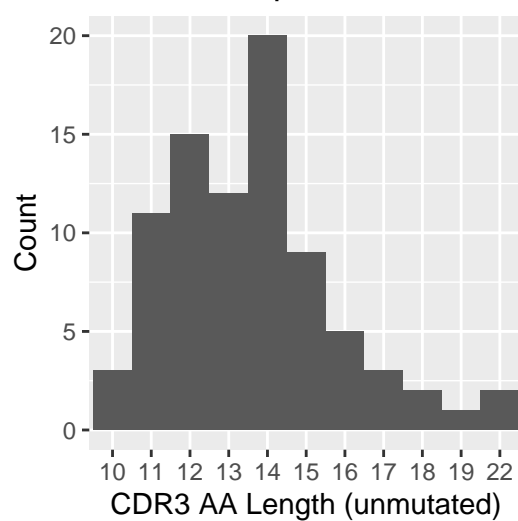
5374 sequences assigned
5269 (98%) exact matches, in which:
5211 unique CDR3
13 unique J



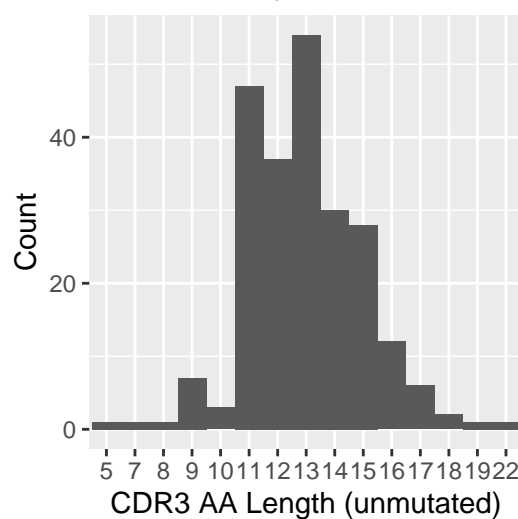
TRBV5-7*ap01_G290A_G291A



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]