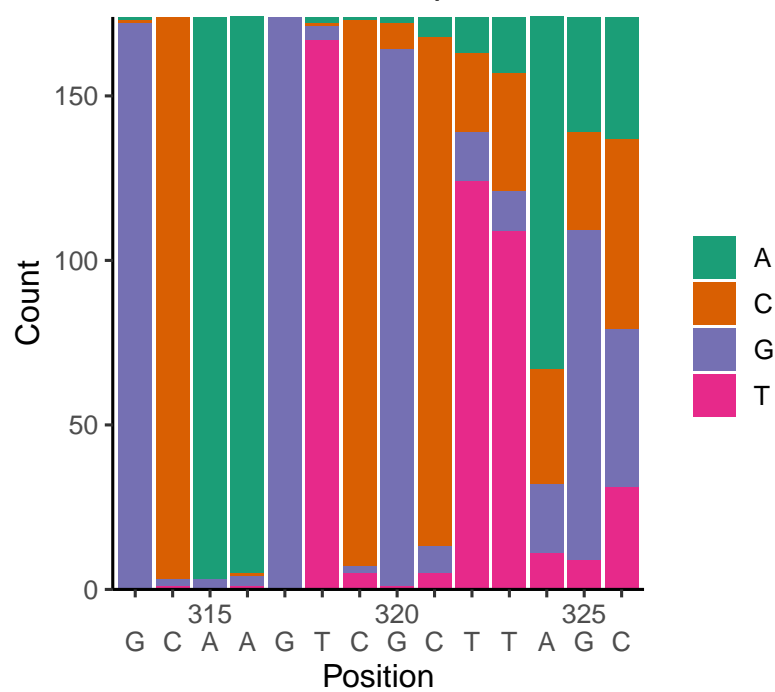
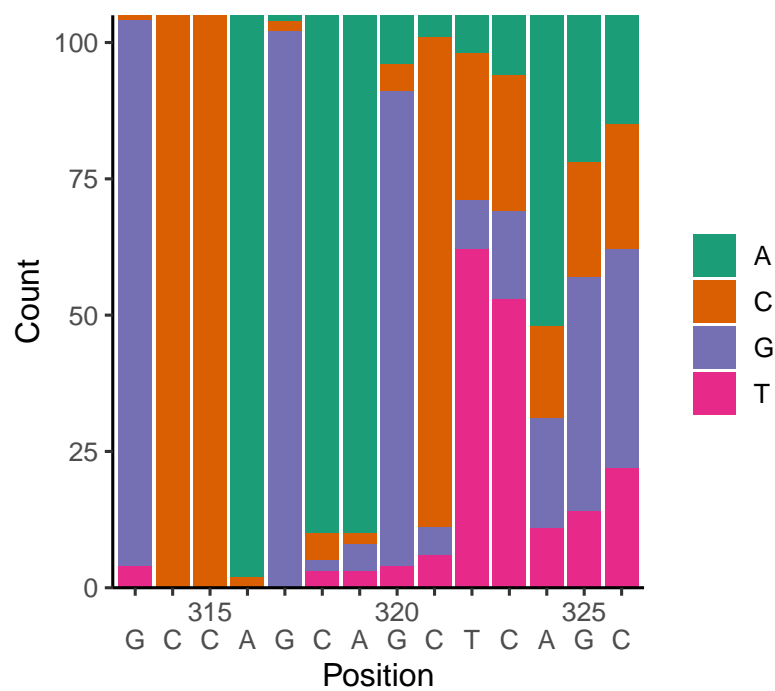


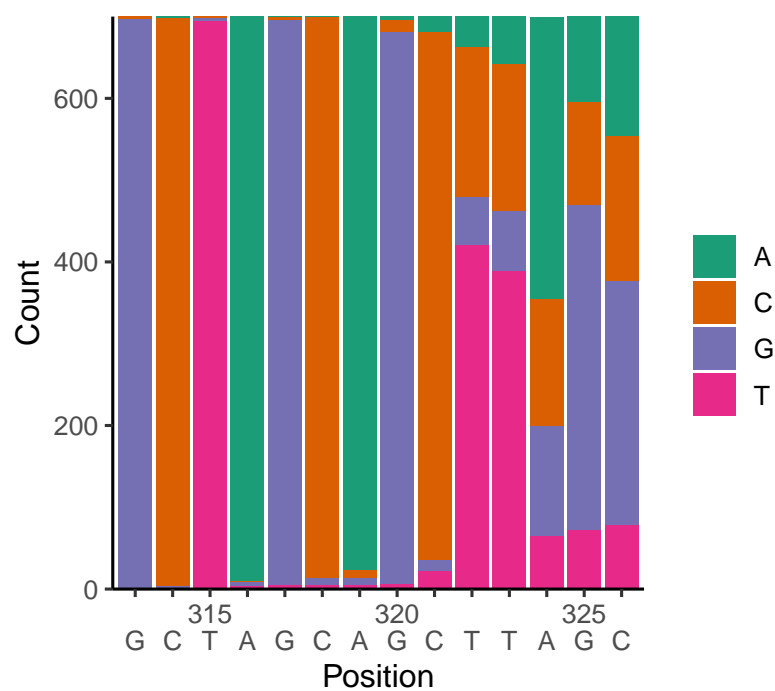
Gene TRBV12-2*ap01_T308C



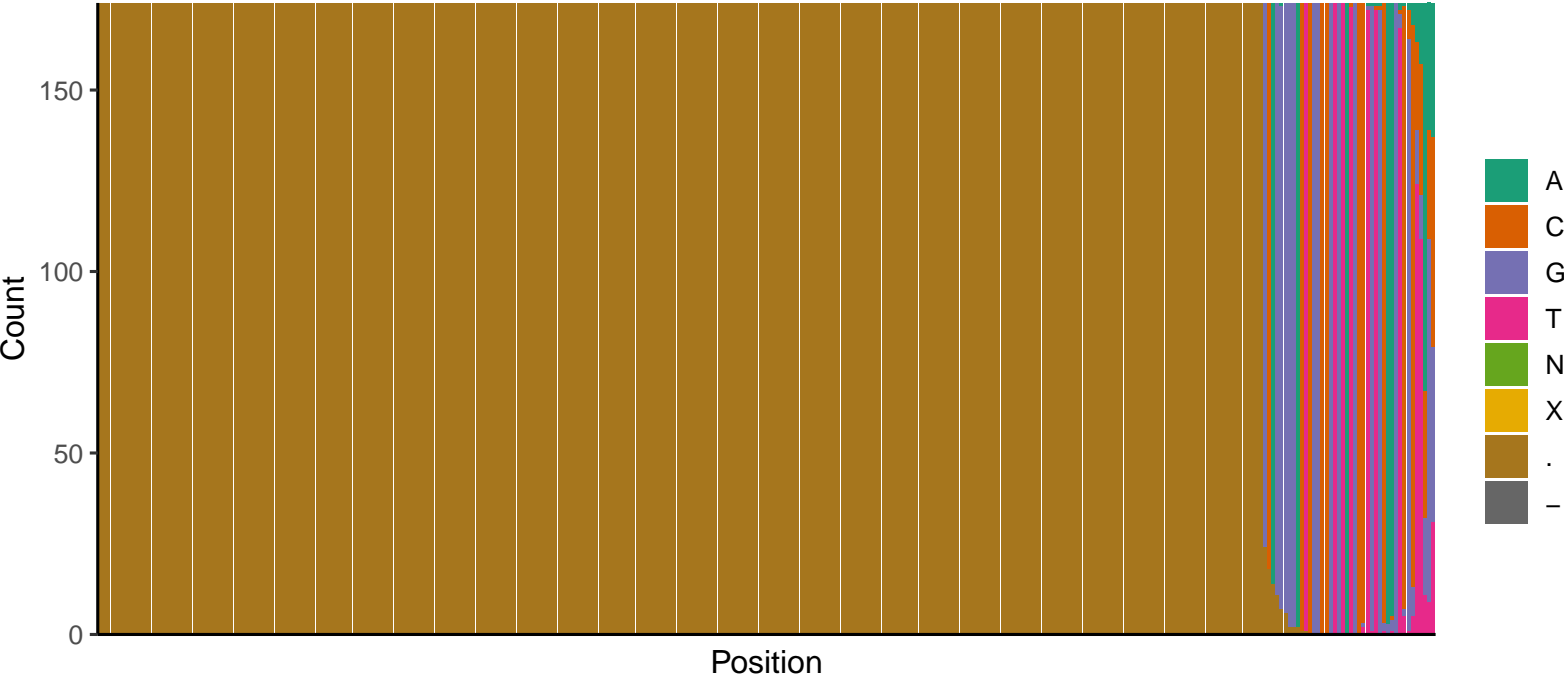
Gene TRBV7-1*ap01_G291C_T296C



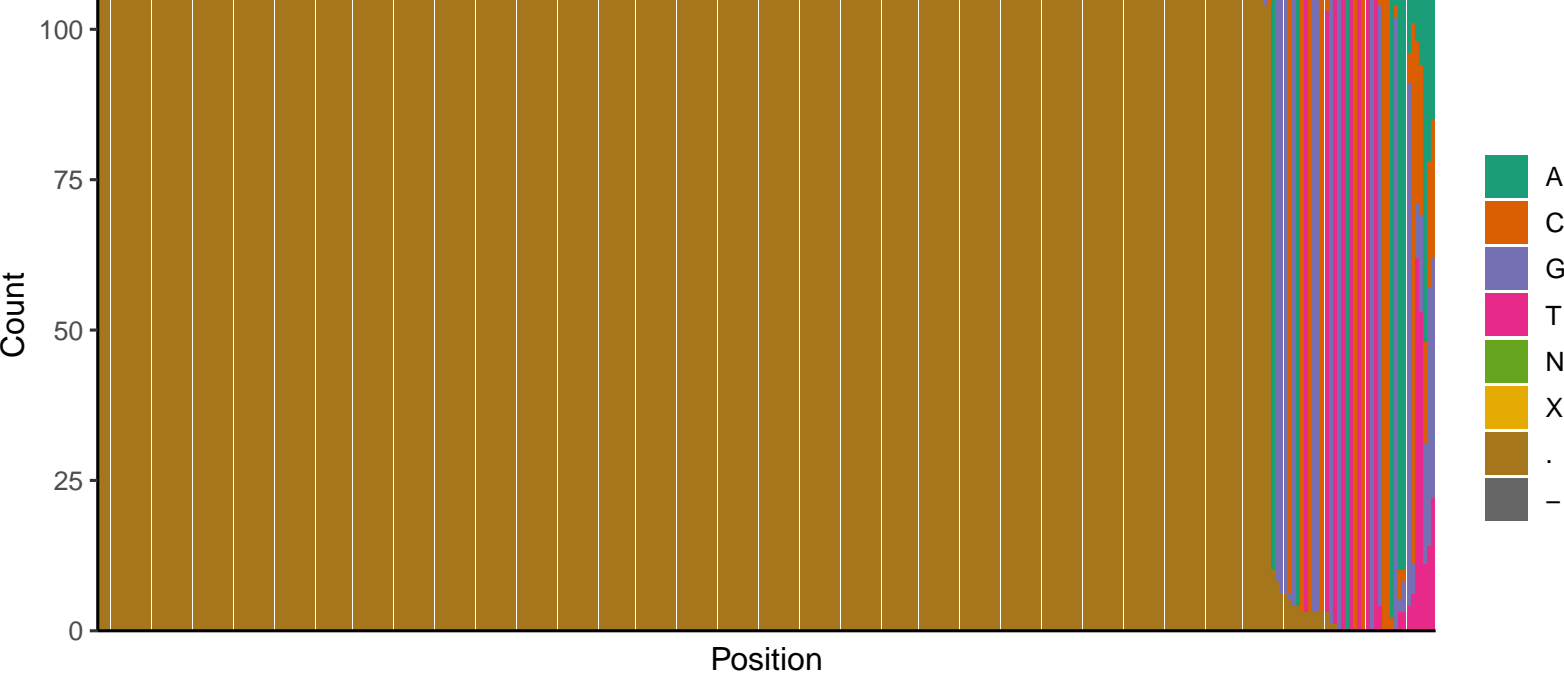
Gene TRBV7-7*ap01_C315T



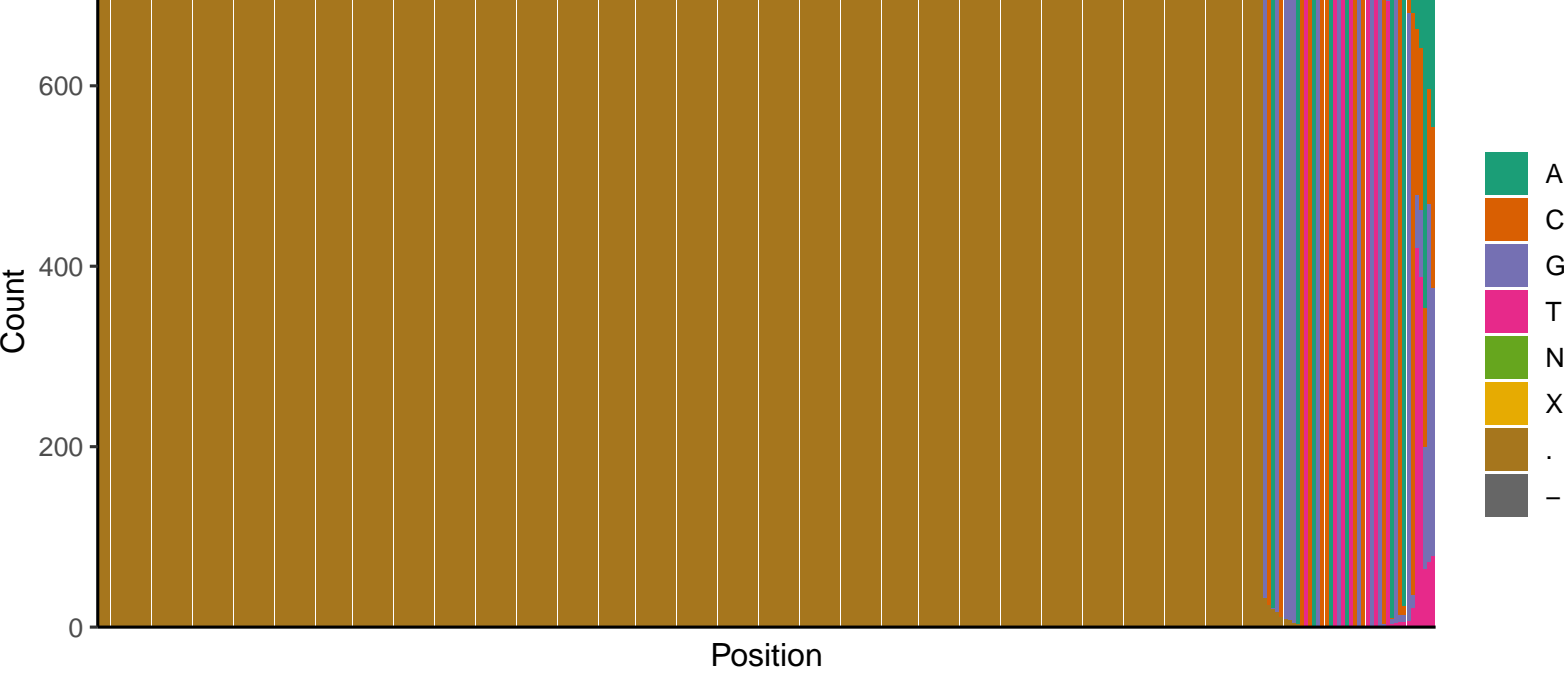
Gene TRBV12-2*ap01_T308C



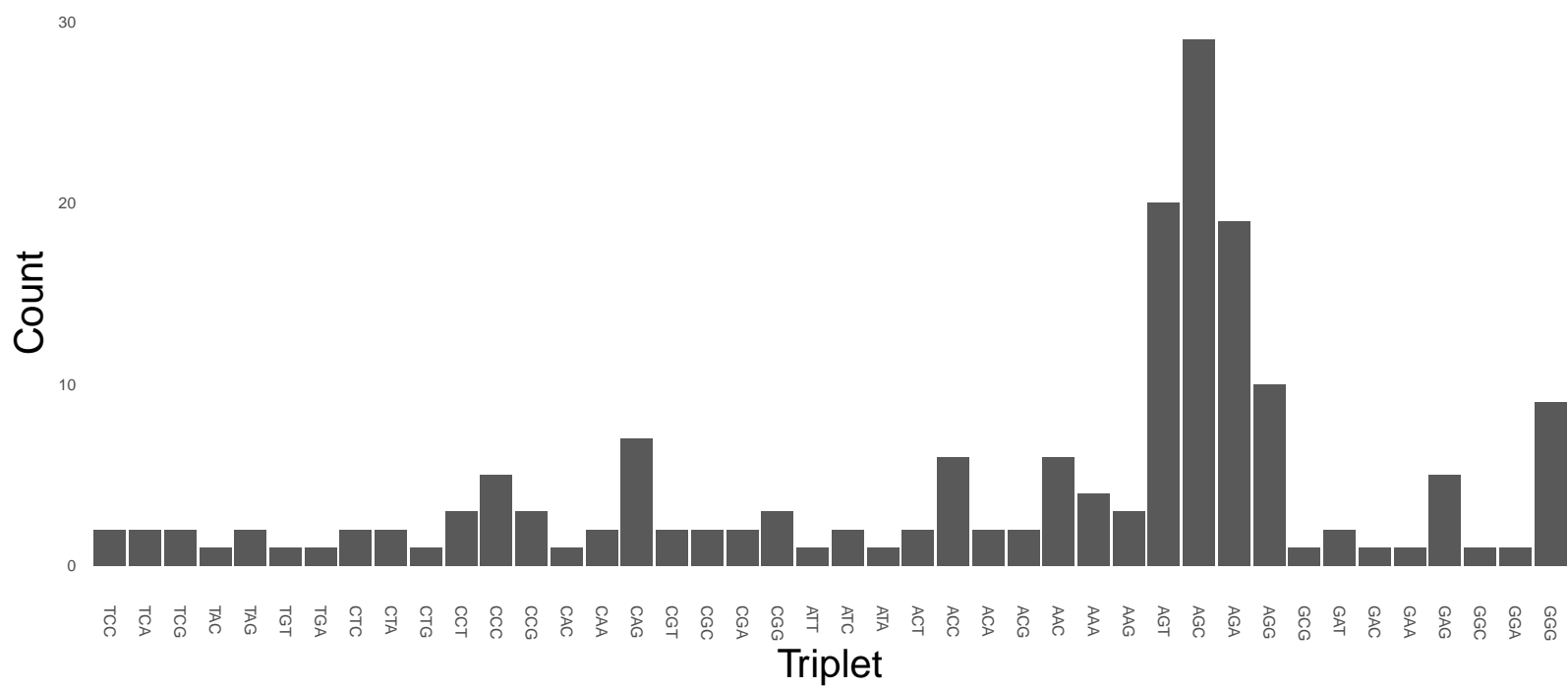
Gene TRBV7-1*ap01_G291C_T296C



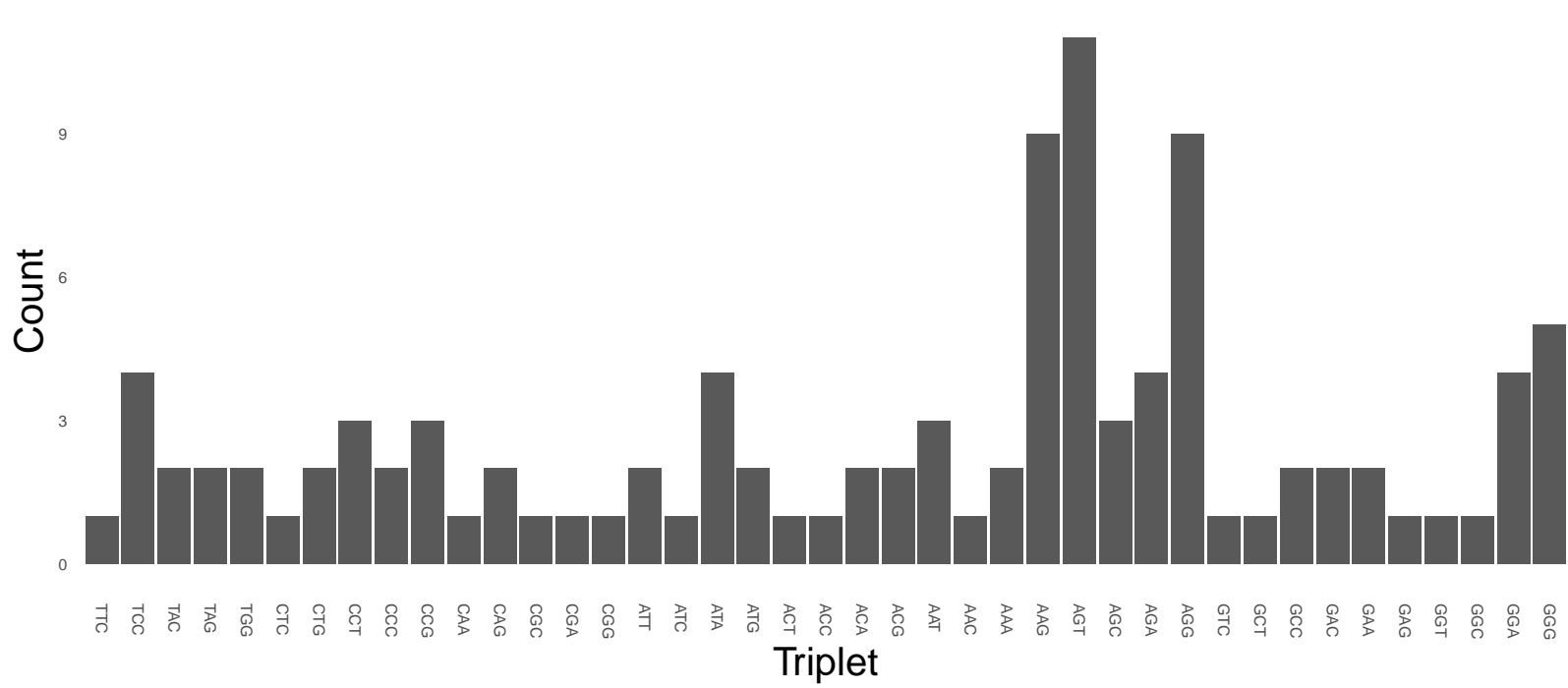
Gene TRBV7-7*ap01_C315T



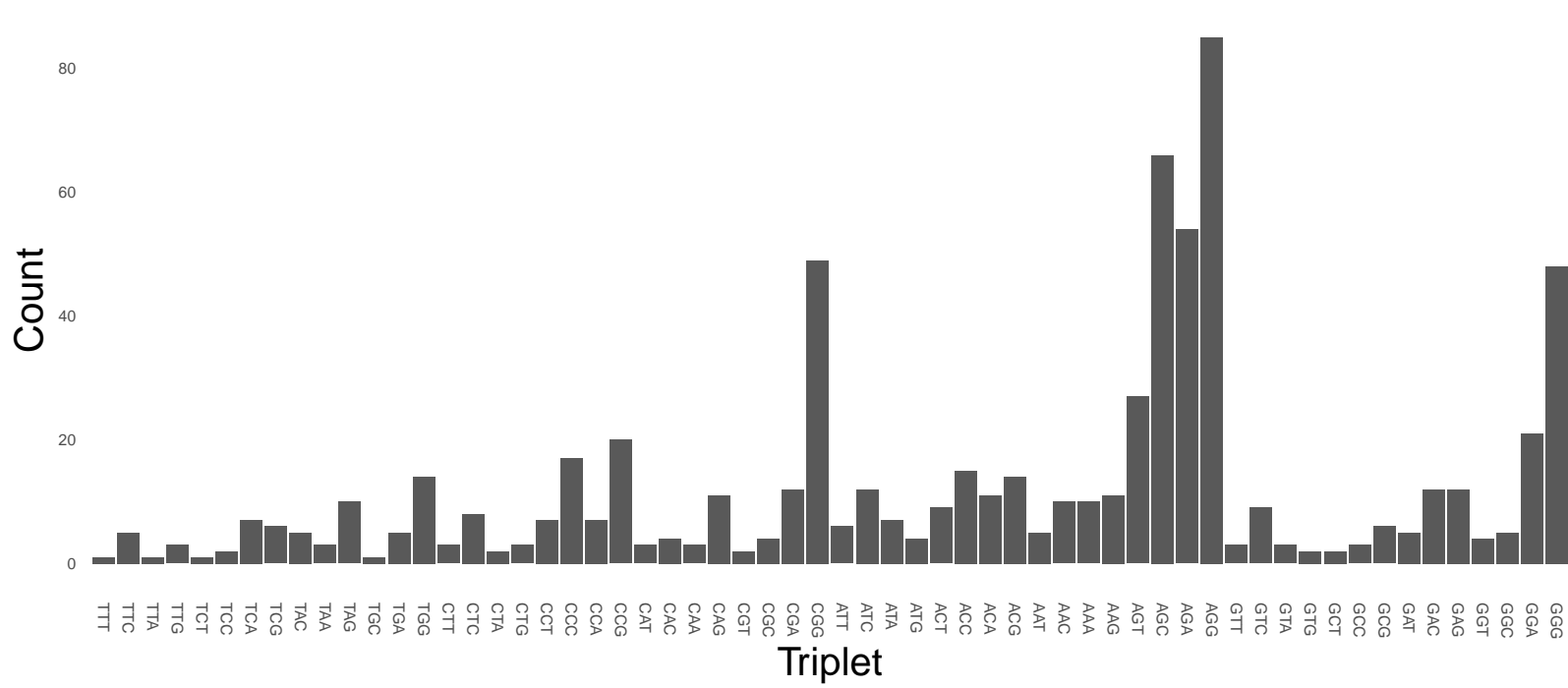
TRBV12-2*ap01_T308C- Final 3 nucleotides as a triplet



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

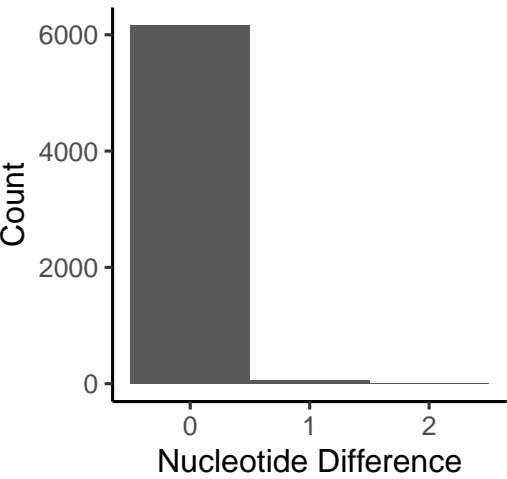


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



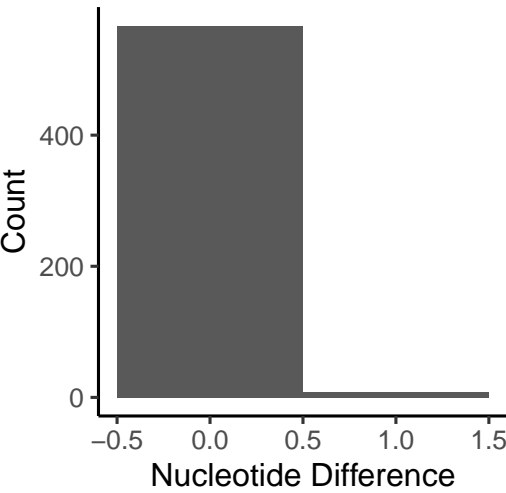
TRBV20-1*ap01

6227 sequences assigned
6161 (98.9%) exact matches, in which:
6021 unique CDR3
13 unique J



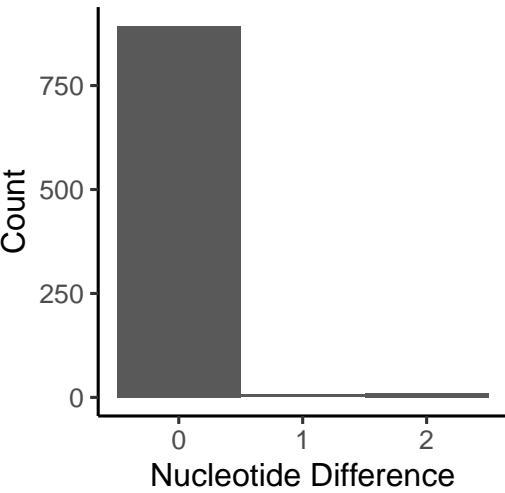
TRBV10-2*ap01

575 sequences assigned
567 (98.6%) exact matches, in which:
551 unique CDR3
13 unique J



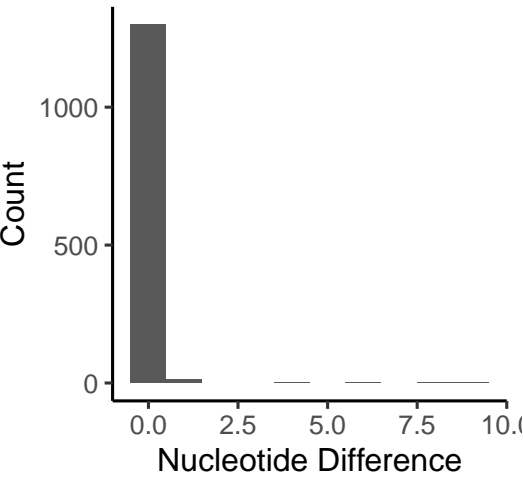
TRBV13*ap01

911 sequences assigned
894 (98.1%) exact matches, in which:
868 unique CDR3
13 unique J



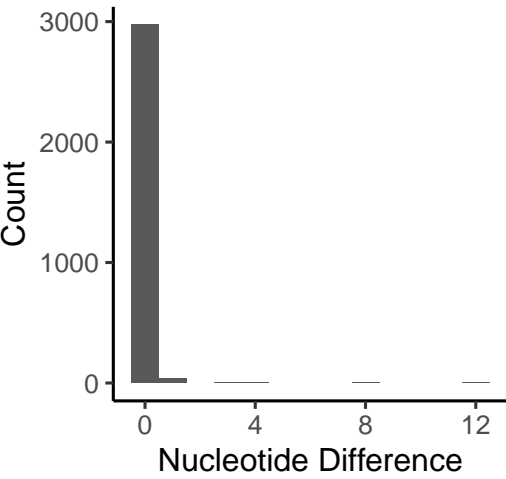
TRBV10-1*ap01

1316 sequences assigned
1299 (98.7%) exact matches, in which:
1273 unique CDR3
13 unique J



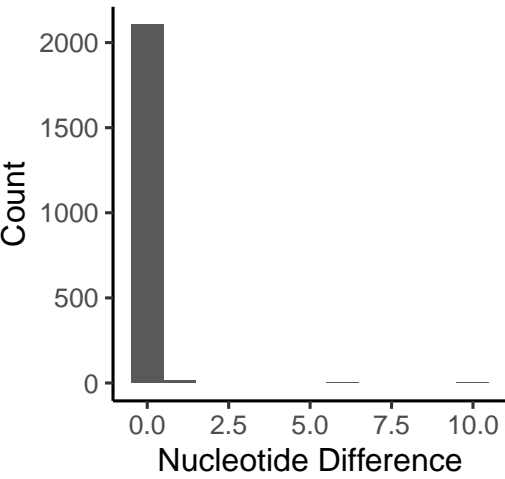
TRBV10-3*ap01

3013 sequences assigned
2974 (98.7%) exact matches, in which:
2903 unique CDR3
13 unique J



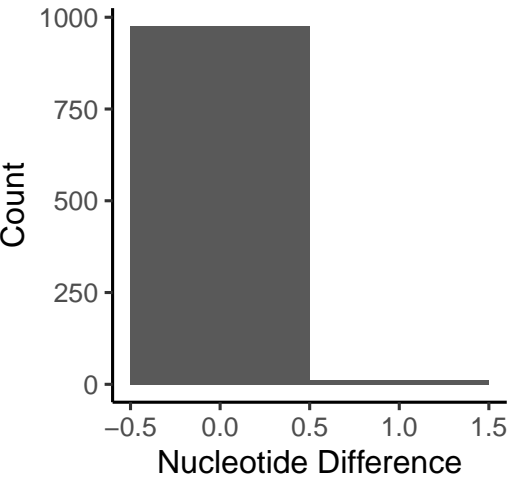
TRBV14*ap01

2121 sequences assigned
2105 (99.2%) exact matches, in which:
2055 unique CDR3
13 unique J



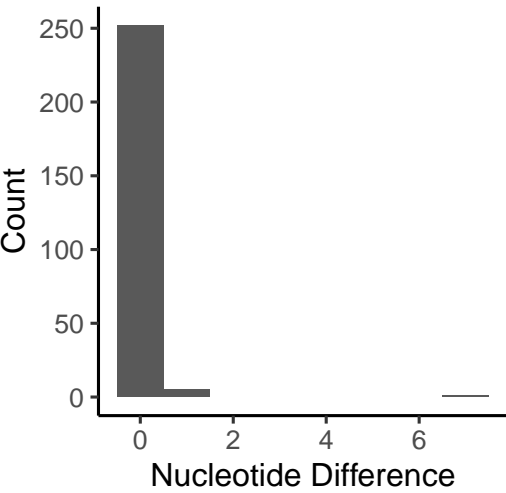
TRBV20-1*ap02

987 sequences assigned
976 (98.9%) exact matches, in which:
957 unique CDR3
13 unique J



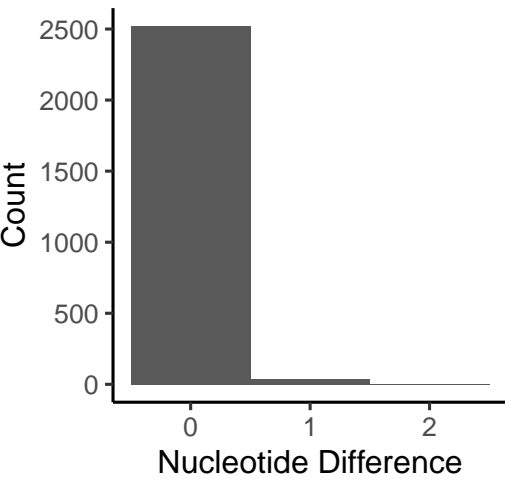
TRBV1*ap01

258 sequences assigned
252 (97.7%) exact matches, in which:
250 unique CDR3
13 unique J



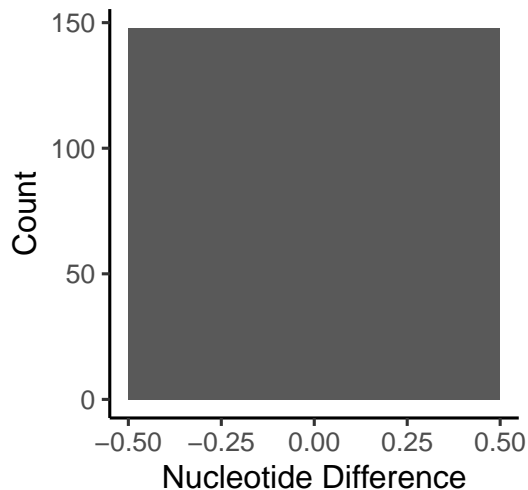
TRBV15*ap02

2558 sequences assigned
2521 (98.6%) exact matches, in which:
2475 unique CDR3
13 unique J



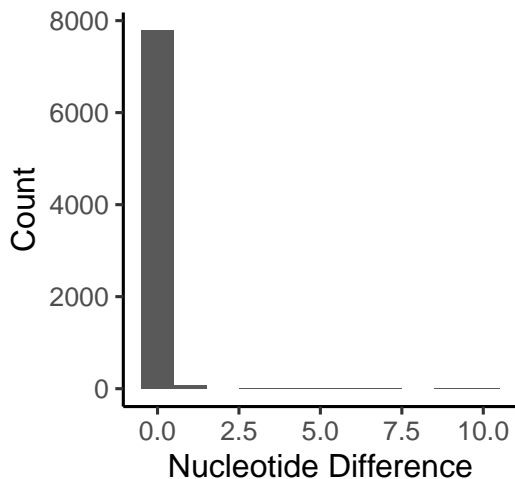
TRBV16*ap01

148 sequences assigned
148 (100%) exact matches, in which:
146 unique CDR3
13 unique J



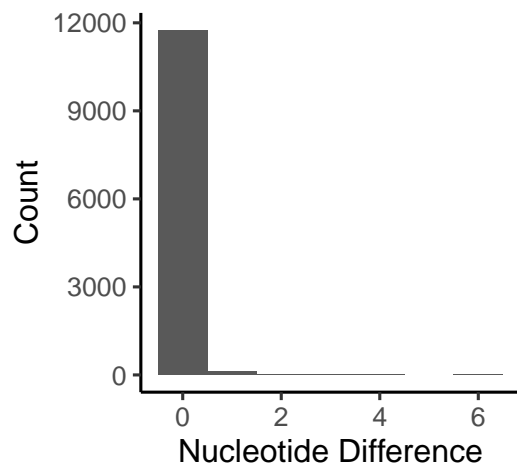
TRBV19*ap01

7883 sequences assigned
7787 (98.8%) exact matches, in which:
7631 unique CDR3
13 unique J



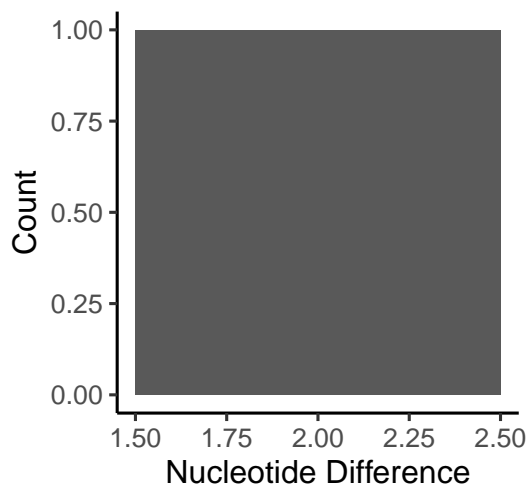
TRBV28*ap01

11883 sequences assigned
11750 (98.9%) exact matches, in which:
11475 unique CDR3
13 unique J



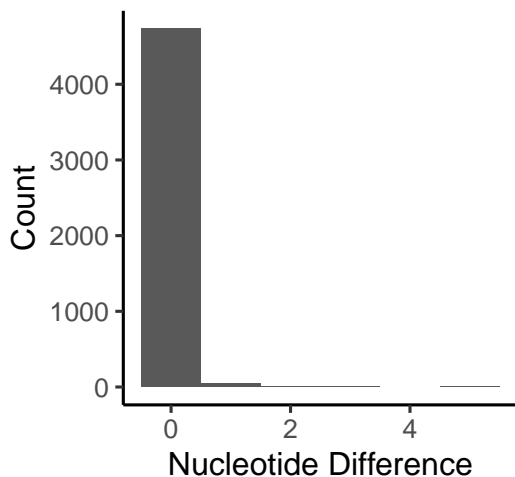
TRBV17*ap01

1 sequences assigned
No exact matches.



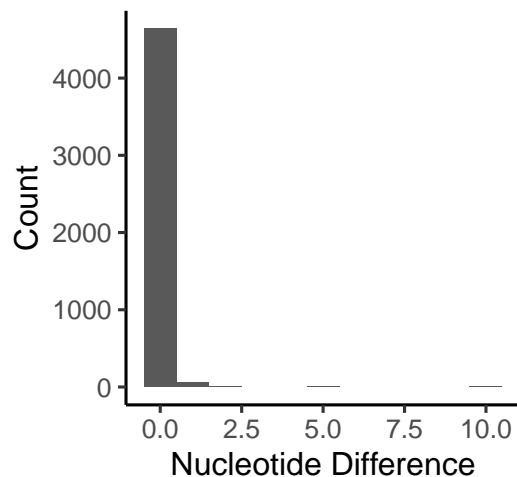
TRBV2*ap01

4788 sequences assigned
4734 (98.9%) exact matches, in which:
4655 unique CDR3
13 unique J



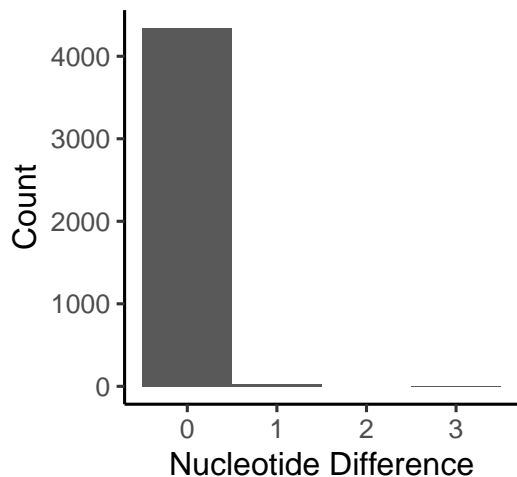
TRBV30*ap01

4708 sequences assigned
4639 (98.5%) exact matches, in which:
4584 unique CDR3
13 unique J



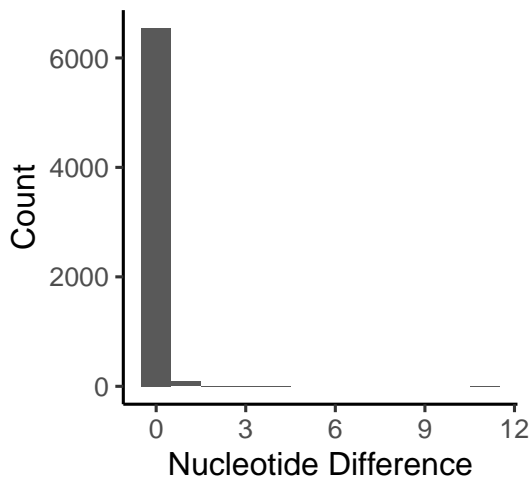
TRBV18*ap01

4368 sequences assigned
4342 (99.4%) exact matches, in which:
4260 unique CDR3
13 unique J



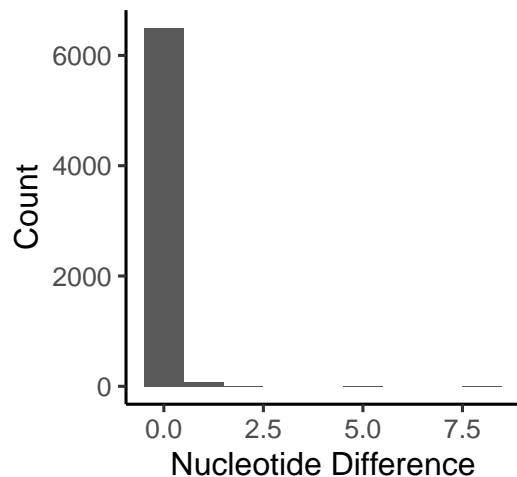
TRBV27*ap01

6648 sequences assigned
6546 (98.5%) exact matches, in which:
6375 unique CDR3
13 unique J



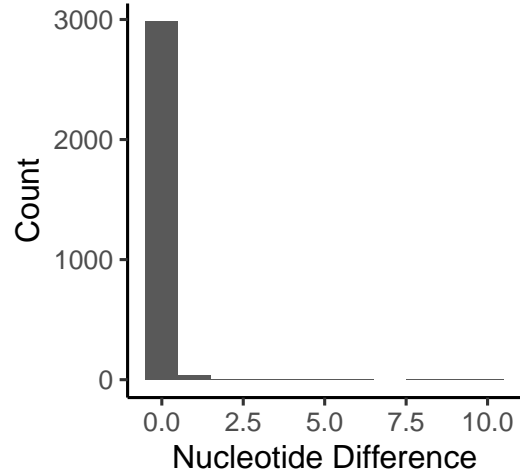
TRBV9*ap01

6575 sequences assigned
6496 (98.8%) exact matches, in which:
6305 unique CDR3
13 unique J



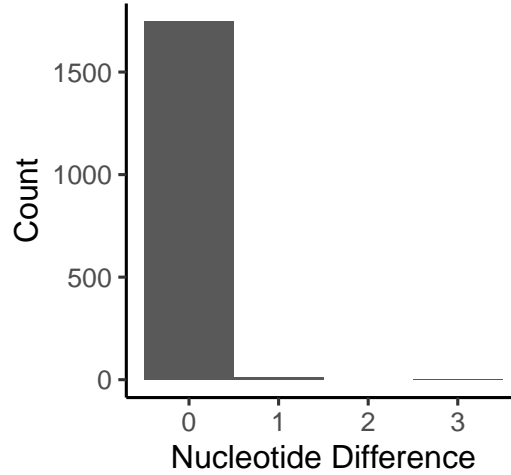
TRBV21-1*ap01

3041 sequences assigned
2984 (98.1%) exact matches, in which:
2904 unique CDR3
13 unique J



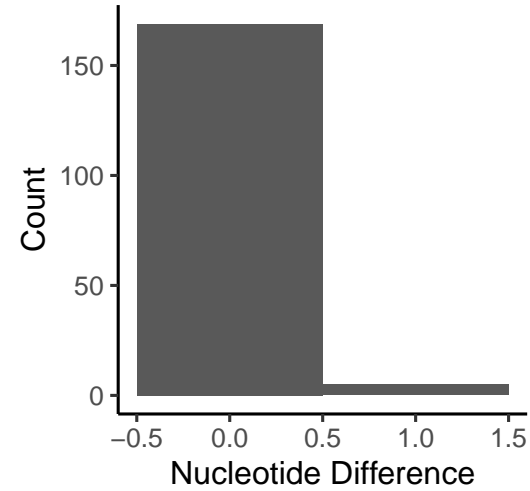
TRBV11-3*ap01

1762 sequences assigned
1747 (99.1%) exact matches, in which:
1716 unique CDR3
13 unique J



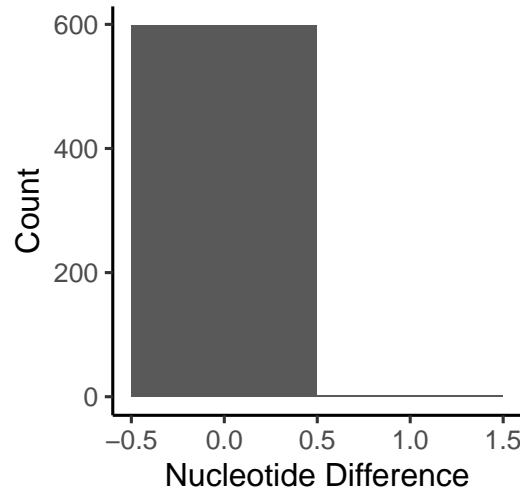
TRBV12-2*ap01_T308C

174 sequences assigned
169 (97.1%) exact matches, in which:
164 unique CDR3
14 unique J



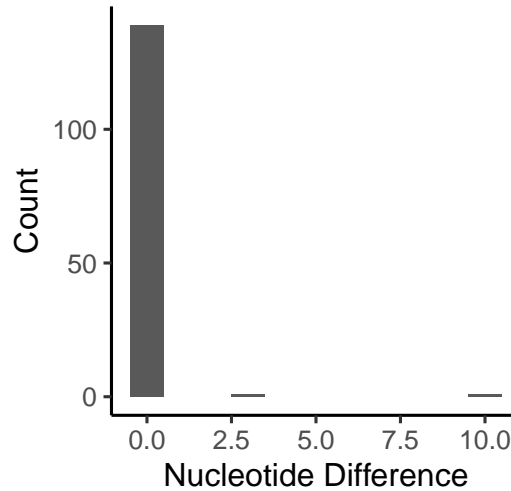
TRBV11-1*ap01

602 sequences assigned
599 (99.5%) exact matches, in which:
587 unique CDR3
13 unique J



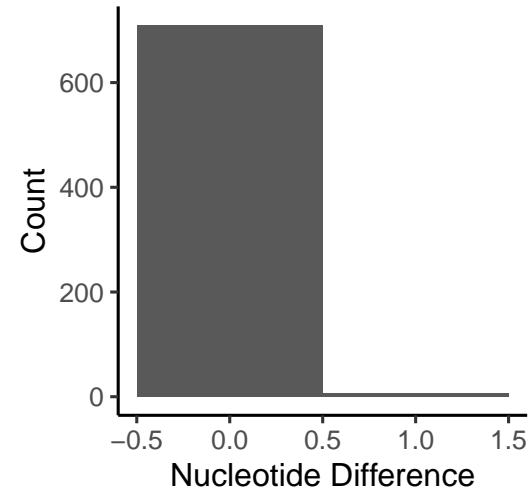
TRBV12-1*ap01

141 sequences assigned
139 (98.6%) exact matches, in which:
134 unique CDR3
13 unique J



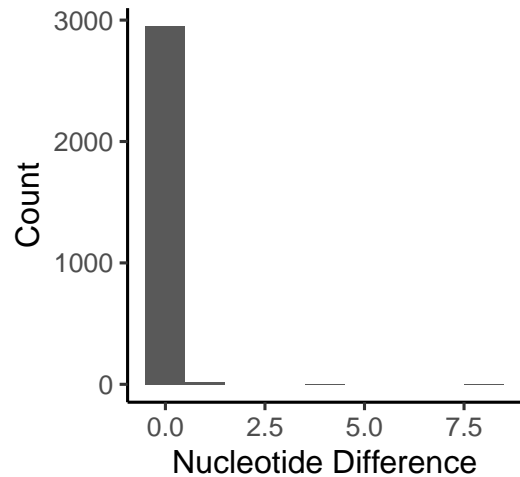
TRBV12-5*ap01

717 sequences assigned
710 (99%) exact matches, in which:
693 unique CDR3
13 unique J



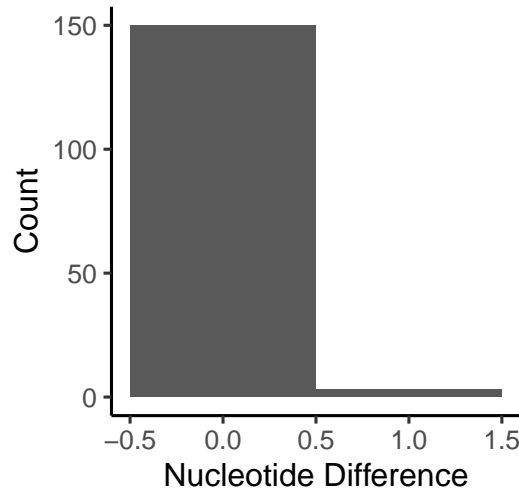
TRBV11-2*ap01

2974 sequences assigned
2951 (99.2%) exact matches, in which:
2879 unique CDR3
13 unique J



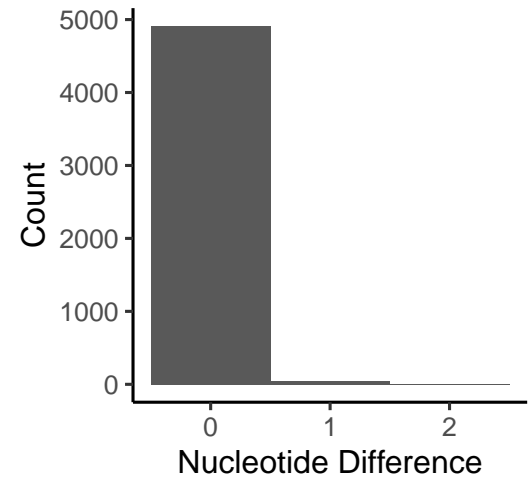
TRBV12-2*ap01

153 sequences assigned
150 (98%) exact matches, in which:
145 unique CDR3
12 unique J



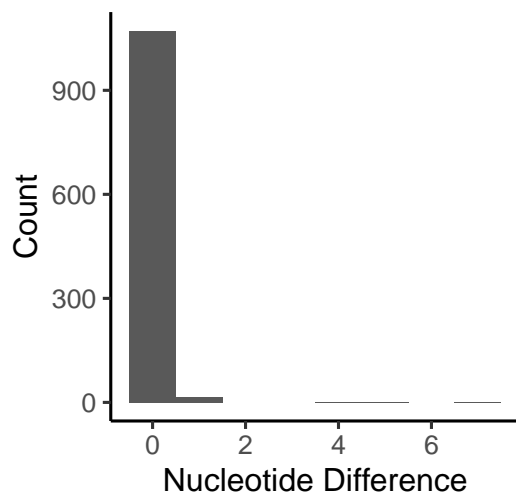
TRBV12-34*ap01

4962 sequences assigned
4911 (99%) exact matches, in which:
4812 unique CDR3
13 unique J



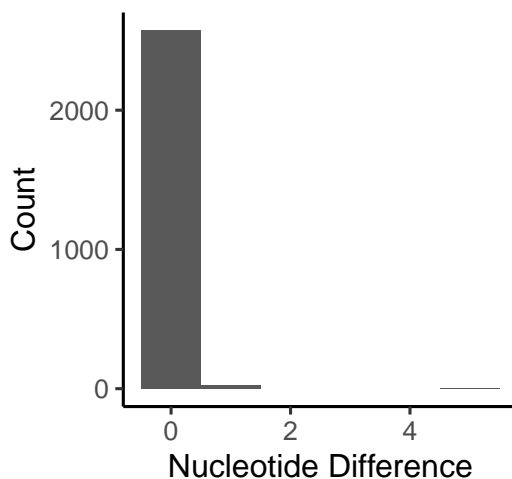
TRBV23-1*ap01

1091 sequences assigned
1072 (98.3%) exact matches, in which:
1035 unique CDR3
13 unique J



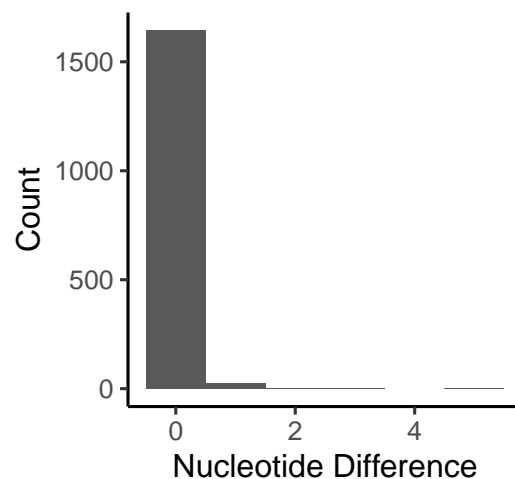
TRBV4-1*ap01

2599 sequences assigned
2573 (99%) exact matches, in which:
2514 unique CDR3
13 unique J



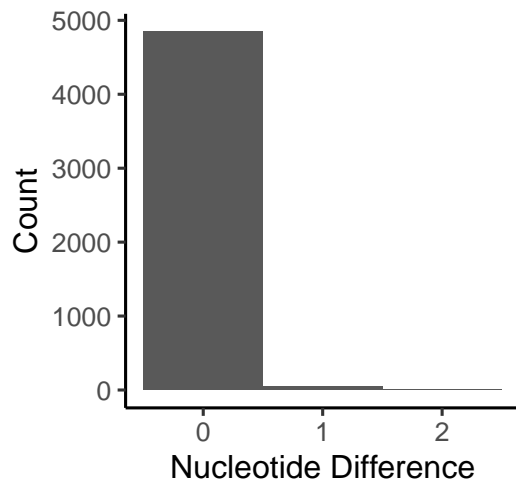
TRBV25-1*ap01

1673 sequences assigned
1644 (98.3%) exact matches, in which:
1614 unique CDR3
13 unique J



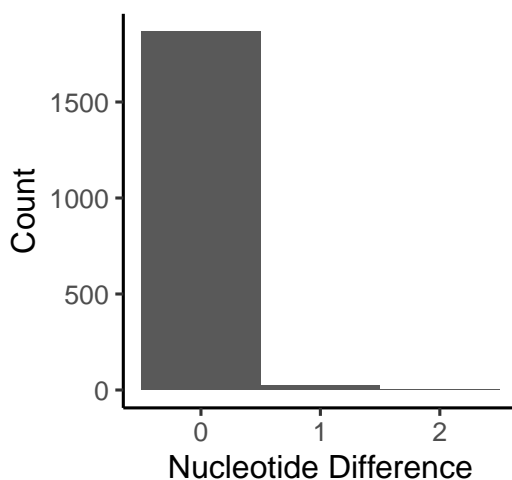
TRBV3-12*ap01

4893 sequences assigned
4846 (99%) exact matches, in which:
4747 unique CDR3
13 unique J



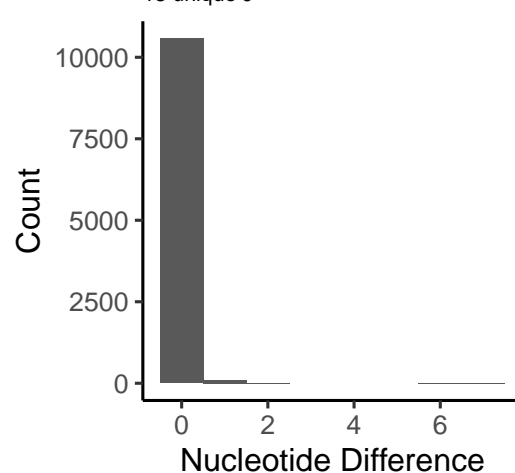
TRBV4-2*ap01

1889 sequences assigned
1866 (98.8%) exact matches, in which:
1831 unique CDR3
13 unique J



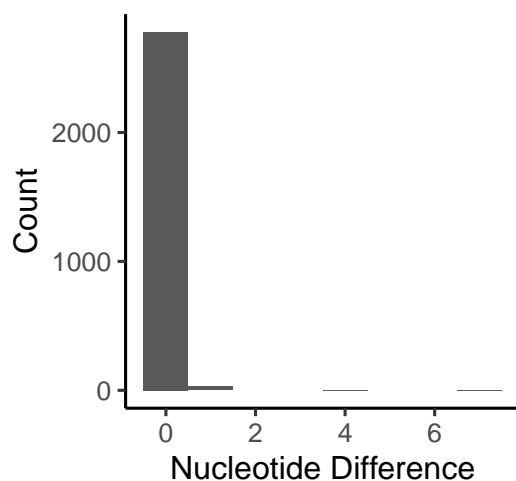
TRBV5-1*ap01

10682 sequences assigned
10577 (99%) exact matches, in which:
10338 unique CDR3
13 unique J



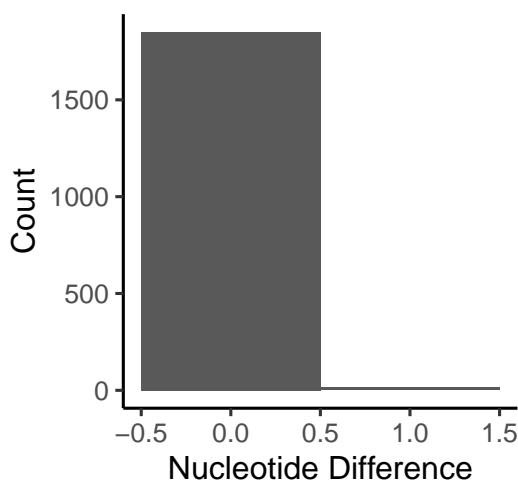
TRBV24-1*ap01

2813 sequences assigned
2779 (98.8%) exact matches, in which:
2736 unique CDR3
13 unique J



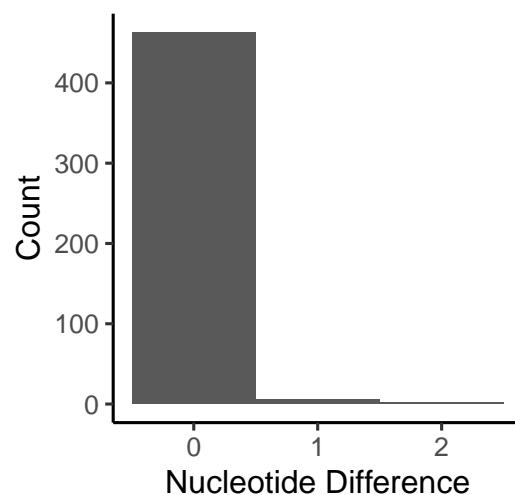
TRBV4-3*ap01

1864 sequences assigned
1850 (99.2%) exact matches, in which:
1816 unique CDR3
13 unique J



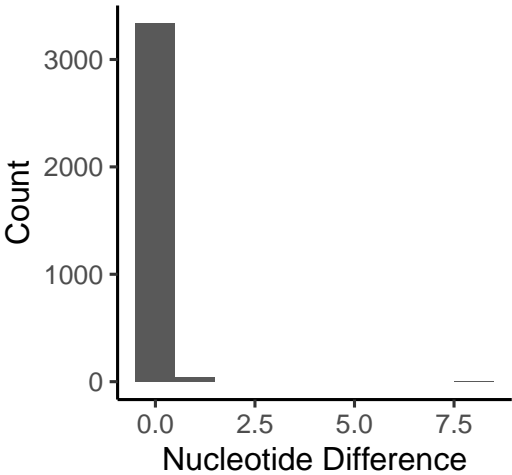
TRBV5-3*ap01

471 sequences assigned
463 (98.3%) exact matches, in which:
441 unique CDR3
13 unique J



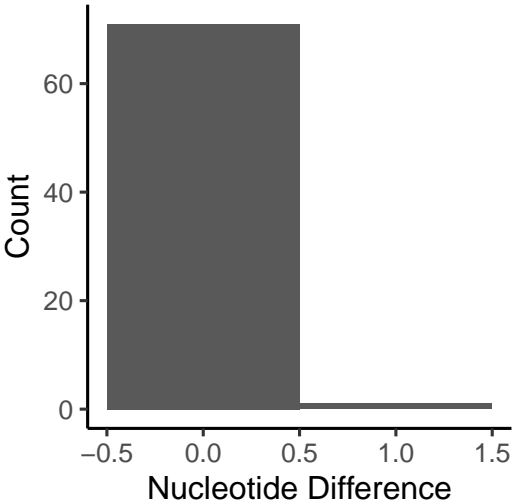
TRBV5-4*ap01

3378 sequences assigned
3336 (98.8%) exact matches, in which:
3267 unique CDR3
13 unique J



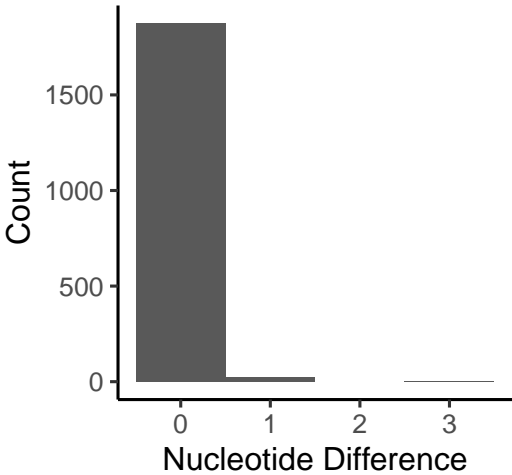
TRBV5-7*ap01

72 sequences assigned
71 (98.6%) exact matches, in which:
68 unique CDR3
13 unique J



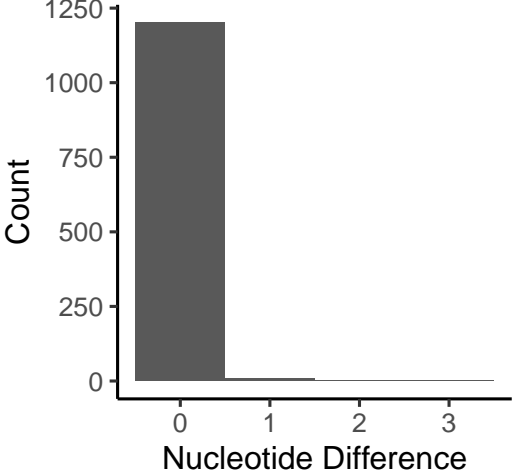
TRBV6-4*ap01

1899 sequences assigned
1874 (98.7%) exact matches, in which:
1849 unique CDR3
13 unique J



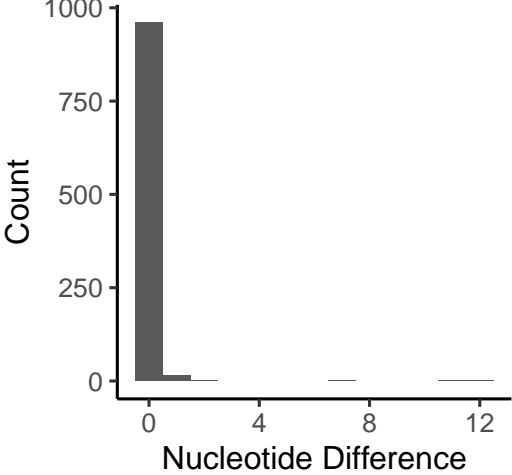
TRBV5-5*ap01

1210 sequences assigned
1201 (99.3%) exact matches, in which:
1168 unique CDR3
13 unique J



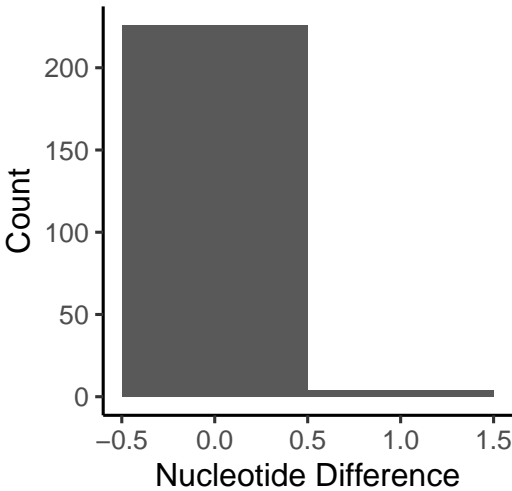
TRBV5-8*ap01

979 sequences assigned
960 (98.1%) exact matches, in which:
936 unique CDR3
13 unique J



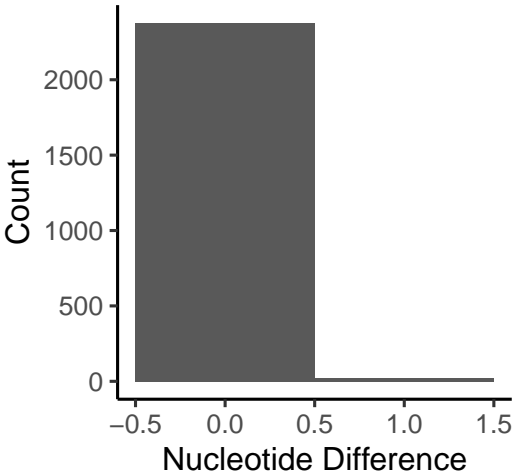
TRBV6-7*ap01

230 sequences assigned
226 (98.3%) exact matches, in which:
220 unique CDR3
13 unique J



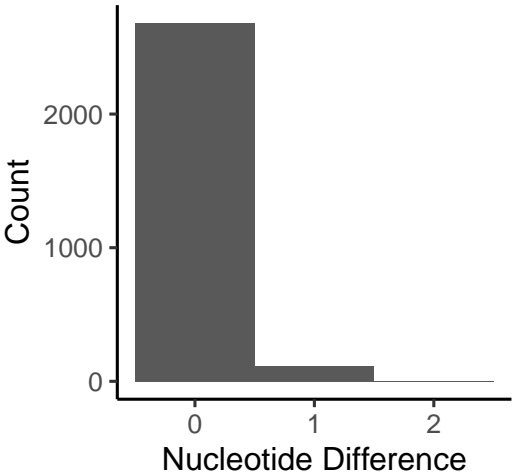
TRBV5-6*ap01

2396 sequences assigned
2376 (99.2%) exact matches, in which:
2339 unique CDR3
13 unique J



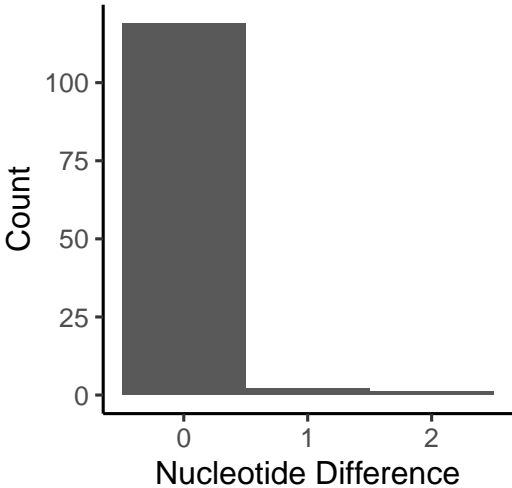
TRBV6-1*ap01

2797 sequences assigned
2681 (95.9%) exact matches, in which:
2625 unique CDR3
13 unique J



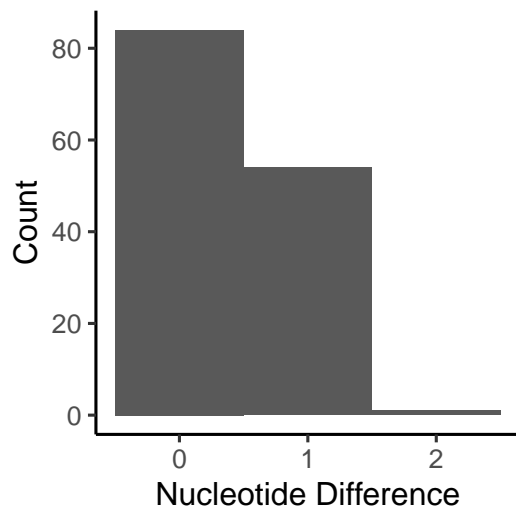
TRBV6-8*ap01

122 sequences assigned
119 (97.5%) exact matches, in which:
117 unique CDR3
13 unique J



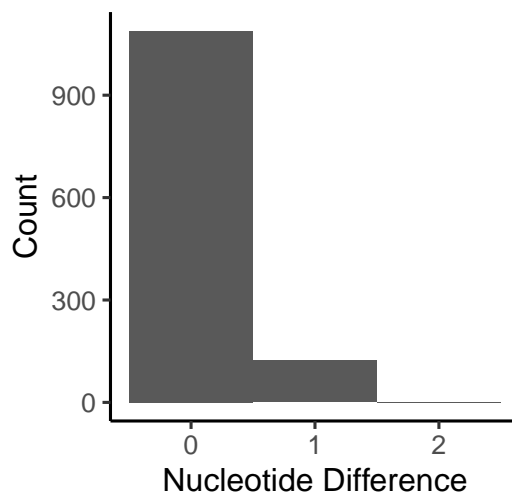
TRBV6-9*ap01

139 sequences assigned
84 (60.4%) exact matches, in which:
83 unique CDR3
13 unique J



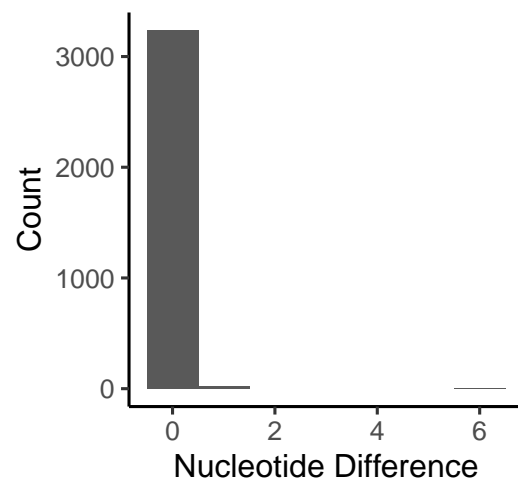
TRBV6-56*ap02

1213 sequences assigned
1089 (89.8%) exact matches, in which:
1063 unique CDR3
13 unique J



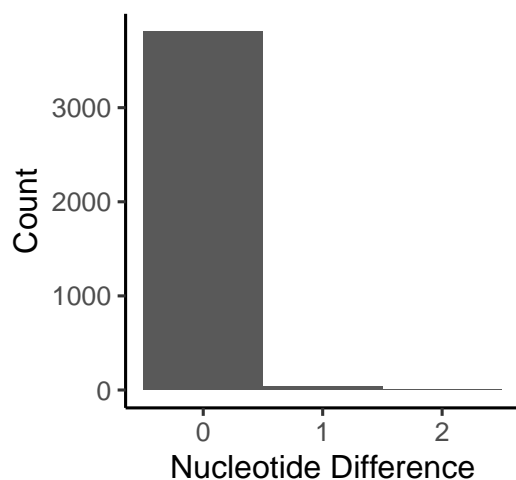
TRBV7-3*ap01

3264 sequences assigned
3236 (99.1%) exact matches, in which:
3156 unique CDR3
13 unique J



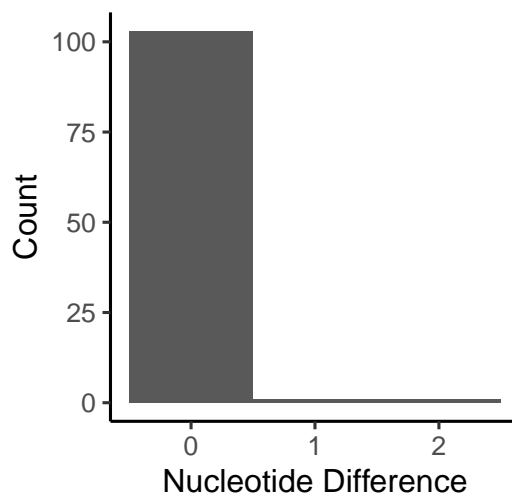
TRBV6-23*ap01

3847 sequences assigned
3807 (99%) exact matches, in which:
3720 unique CDR3
13 unique J



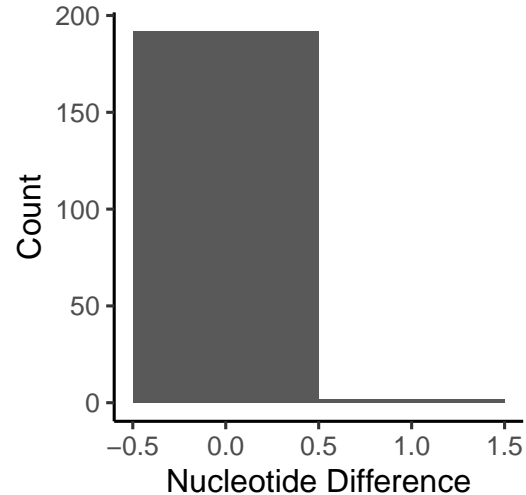
TRBV7-1*ap01_G291C_

105 sequences assigned
103 (98.1%) exact matches, in which:
101 unique CDR3
13 unique J



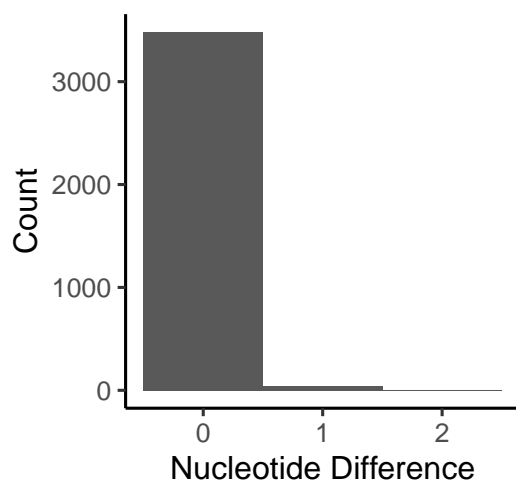
TRBV7-4*ap01

194 sequences assigned
192 (99%) exact matches, in which:
182 unique CDR3
13 unique J



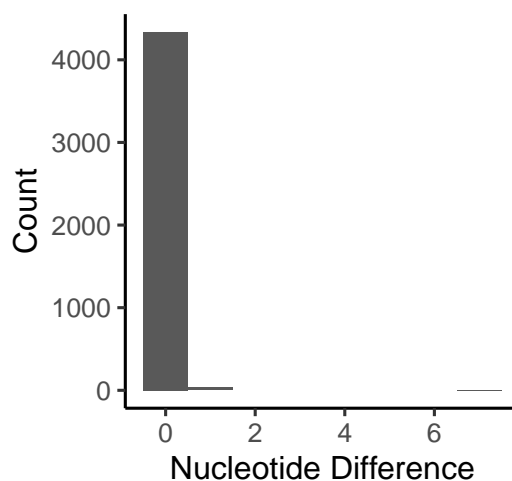
TRBV6-56*ap01

3523 sequences assigned
3482 (98.8%) exact matches, in which:
3422 unique CDR3
13 unique J



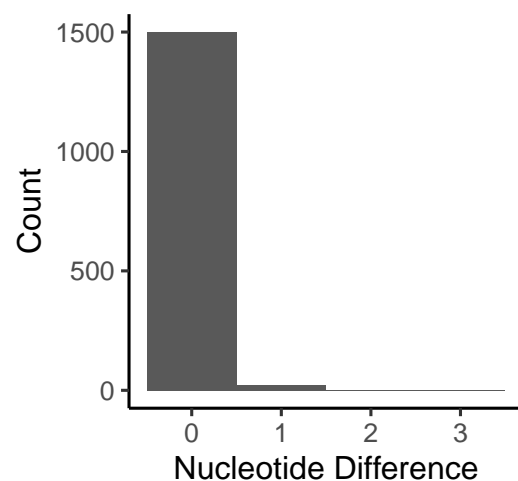
TRBV7-2*ap01

4373 sequences assigned
4336 (99.2%) exact matches, in which:
4229 unique CDR3
13 unique J



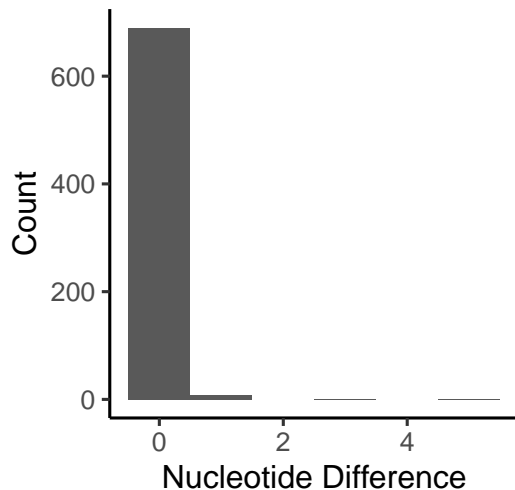
TRBV7-6*ap01

1523 sequences assigned
1500 (98.5%) exact matches, in which:
1475 unique CDR3
13 unique J



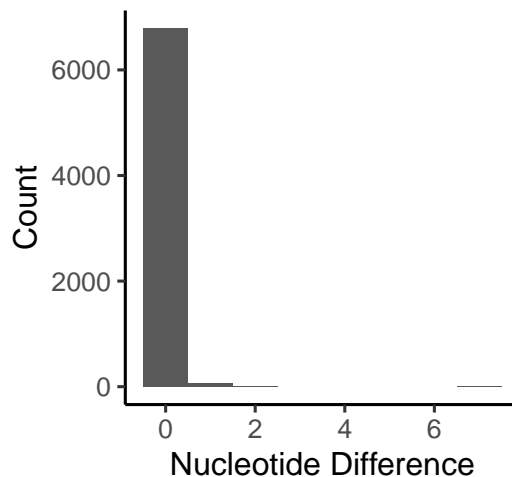
TRBV7-7*ap01_C315T

700 sequences assigned
690 (98.6%) exact matches, in which:
671 unique CDR3
13 unique J



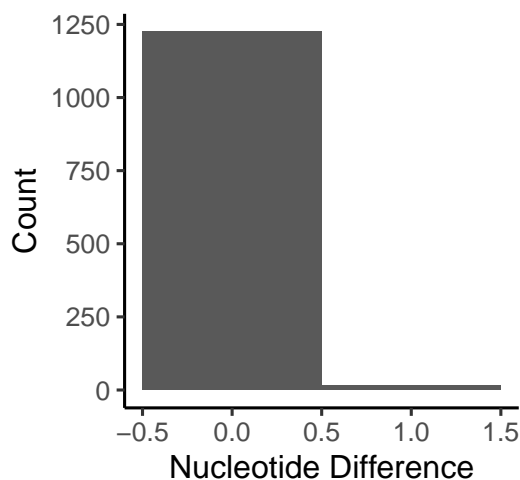
TRBV7-9*ap01

6859 sequences assigned
6786 (98.9%) exact matches, in which:
6656 unique CDR3
13 unique J



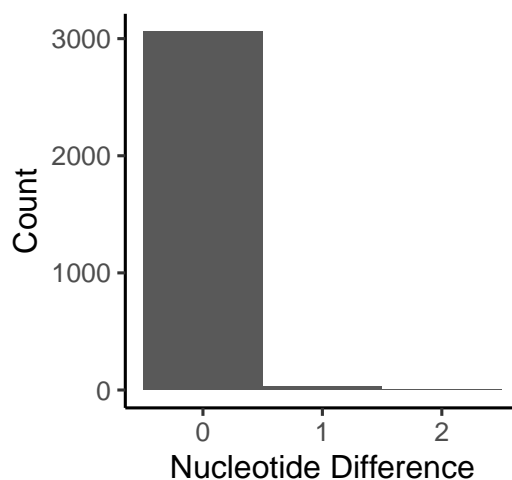
TRBV7-8*ap01

1241 sequences assigned
1225 (98.7%) exact matches, in which:
1204 unique CDR3
13 unique J



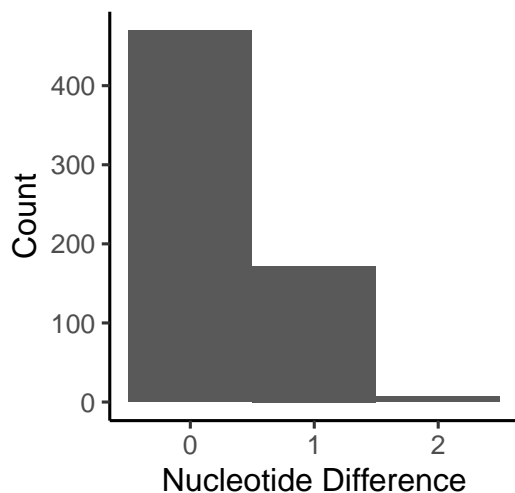
TRBV29-1*ap01

3092 sequences assigned
3059 (98.9%) exact matches, in which:
3015 unique CDR3
13 unique J



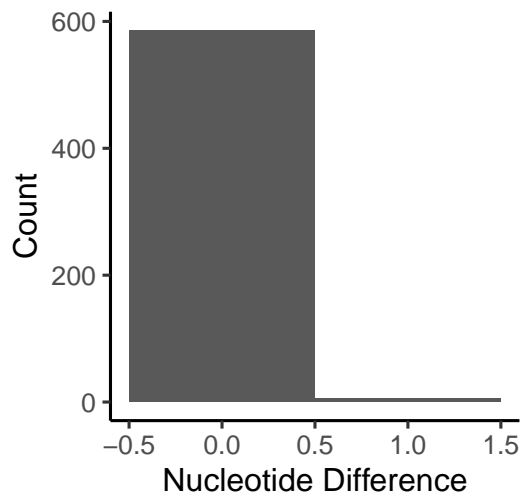
TRBV7-8*ap03

649 sequences assigned
470 (72.4%) exact matches, in which:
462 unique CDR3
13 unique J

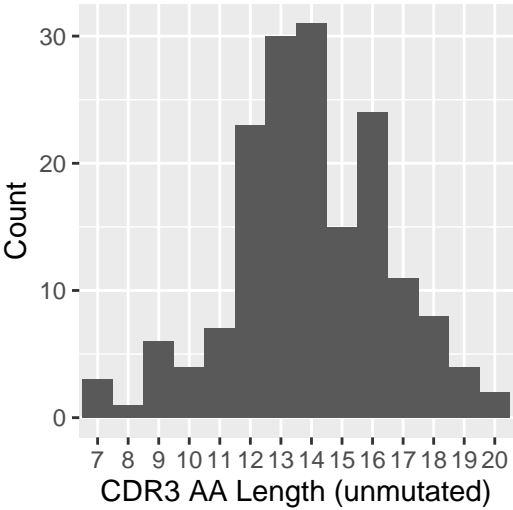


TRBV29-1*ap02

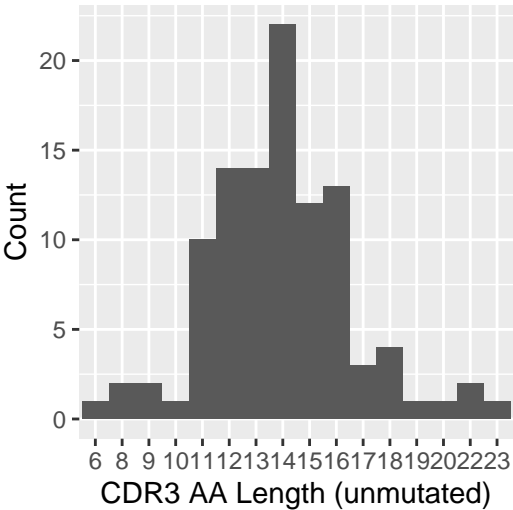
591 sequences assigned
586 (99.2%) exact matches, in which:
576 unique CDR3
13 unique J



TRBV12-2*ap01_T308C



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

