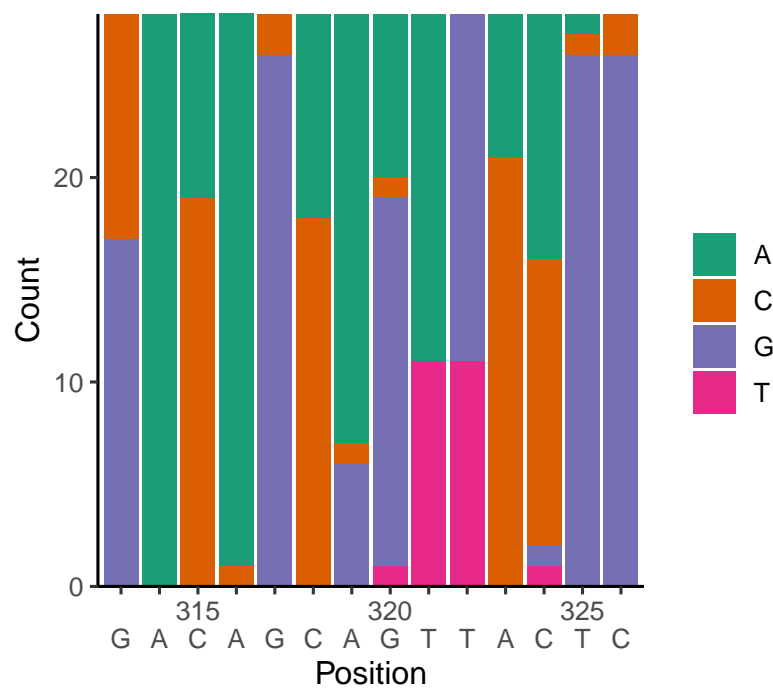
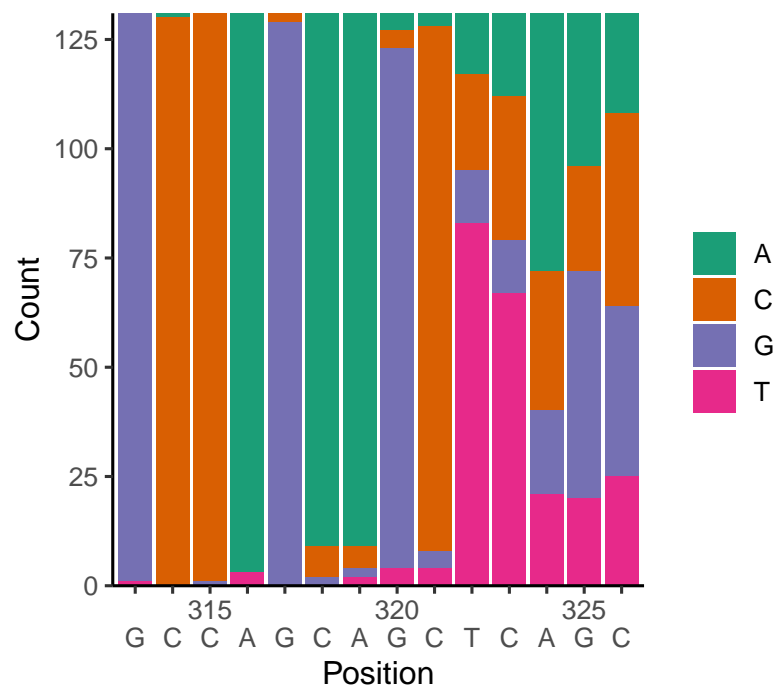


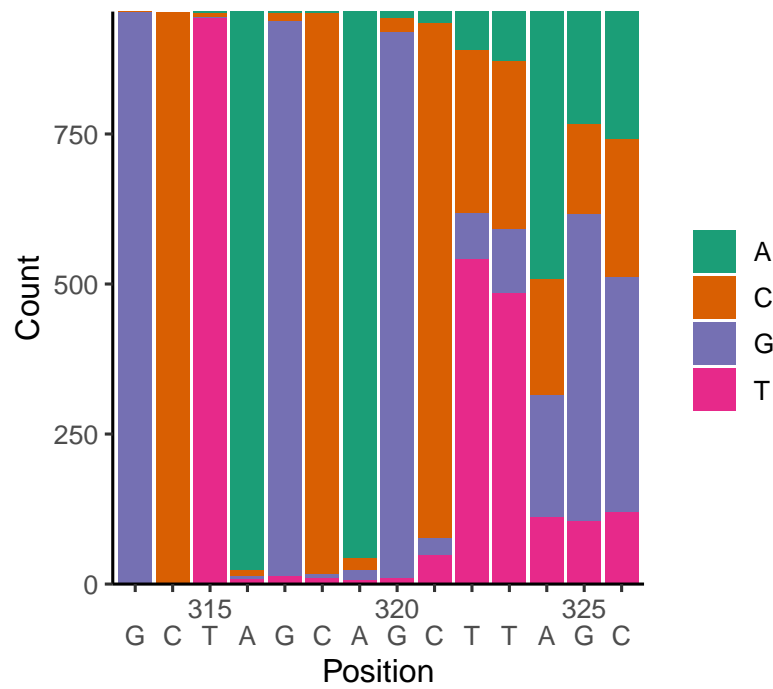
Gene TRBV6-8*ap01_C314A



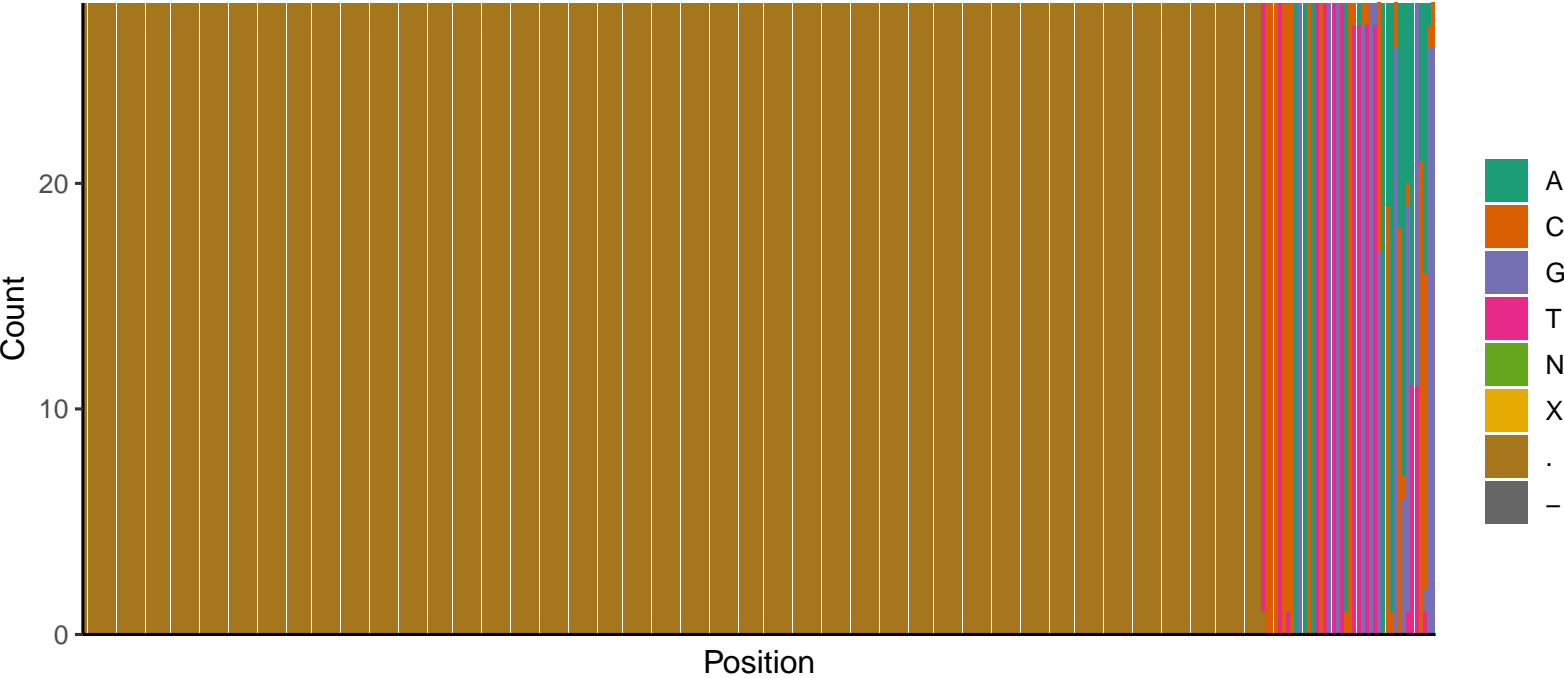
Gene TRBV7-1*ap01_G291C_T296C



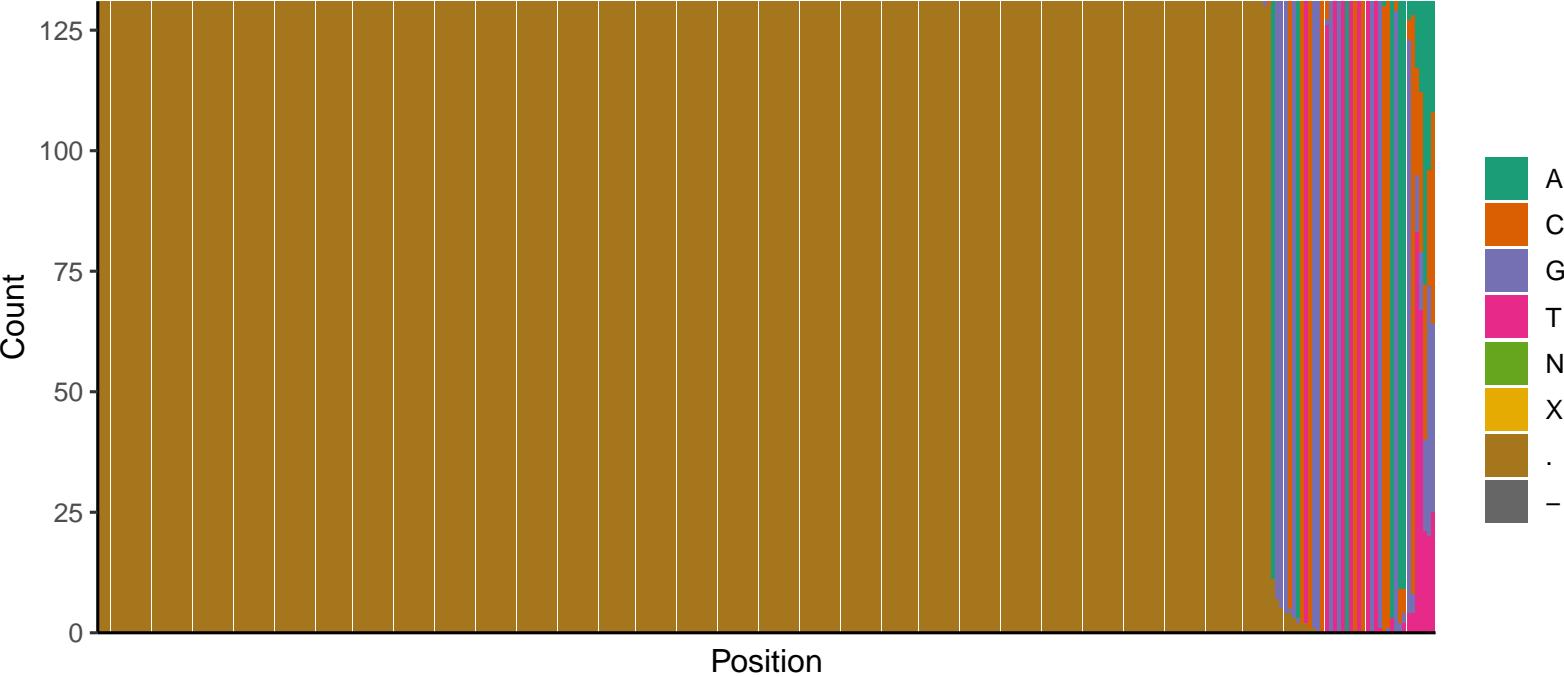
Gene TRBV7-7*ap01_C315T



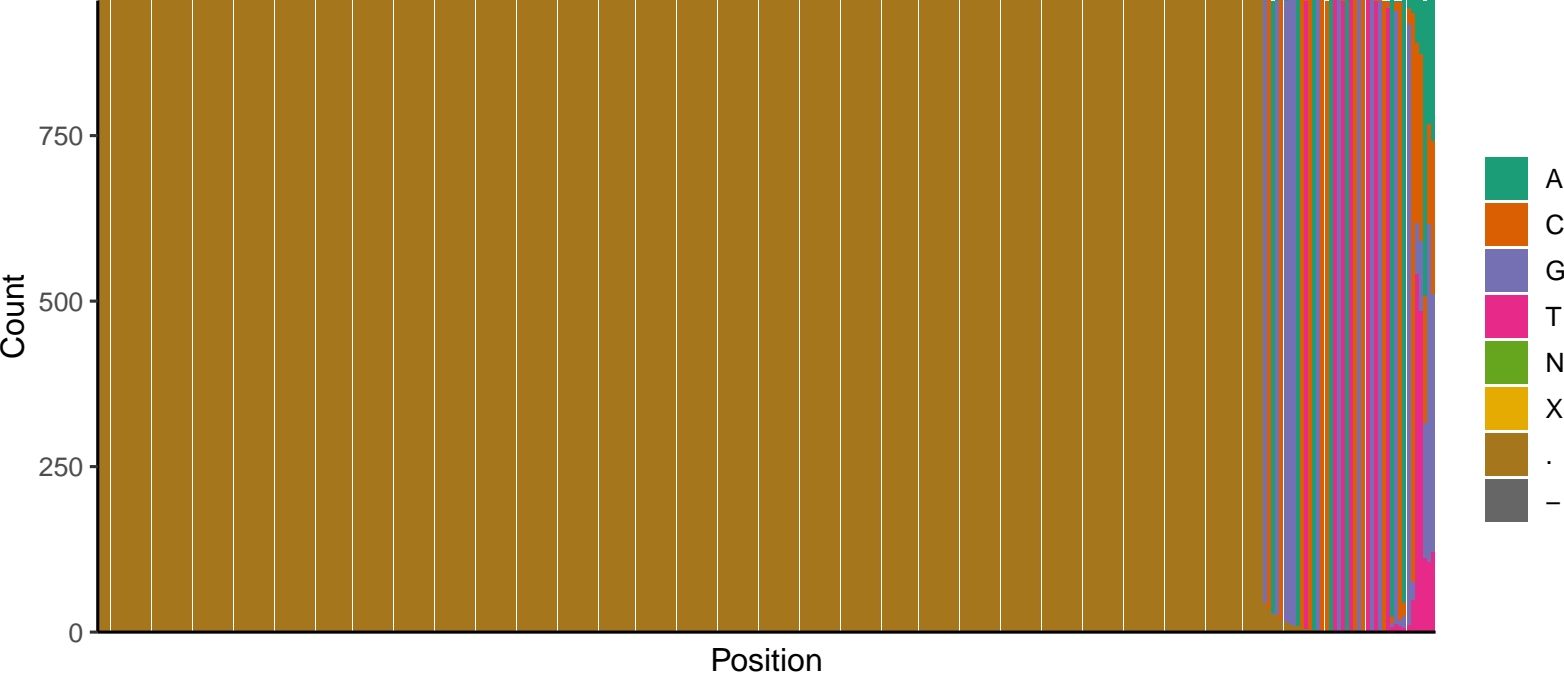
Gene TRBV6-8*ap01_C314A



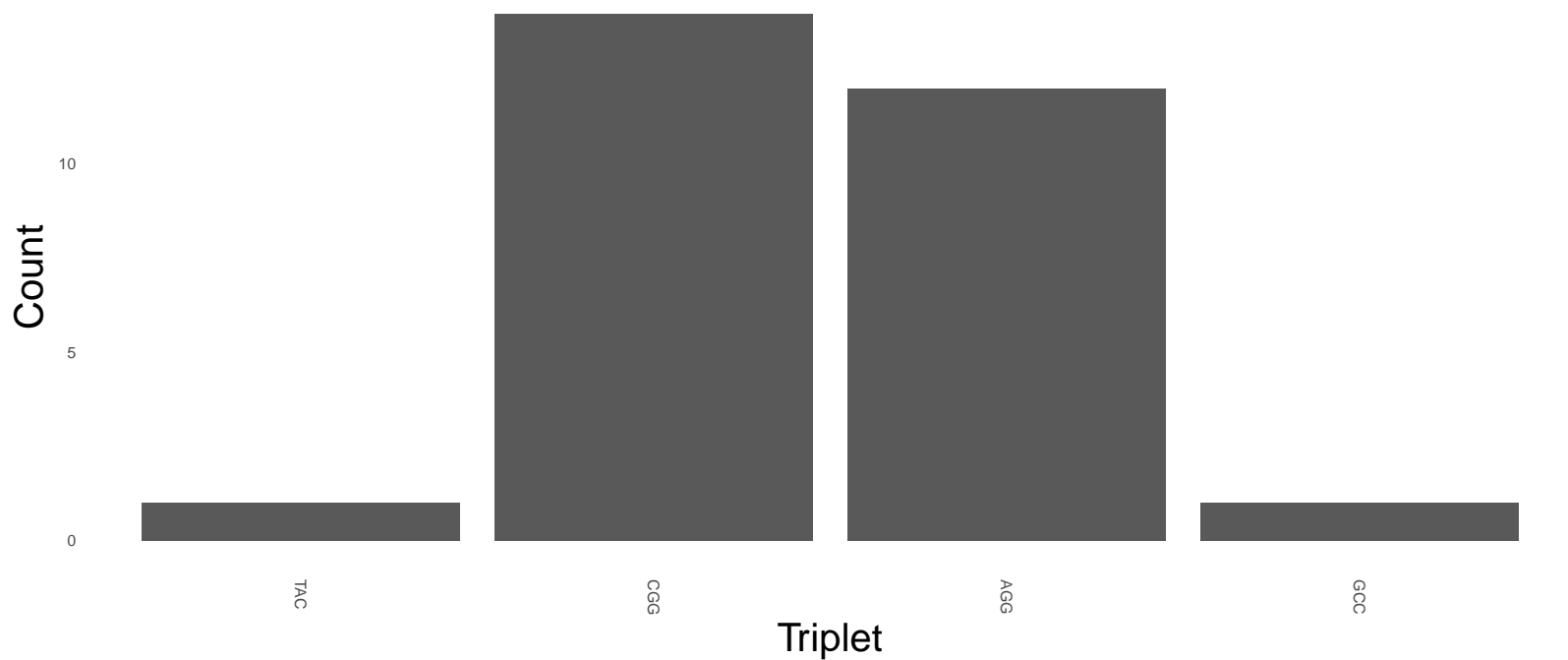
Gene TRBV7-1*ap01_G291C_T296C



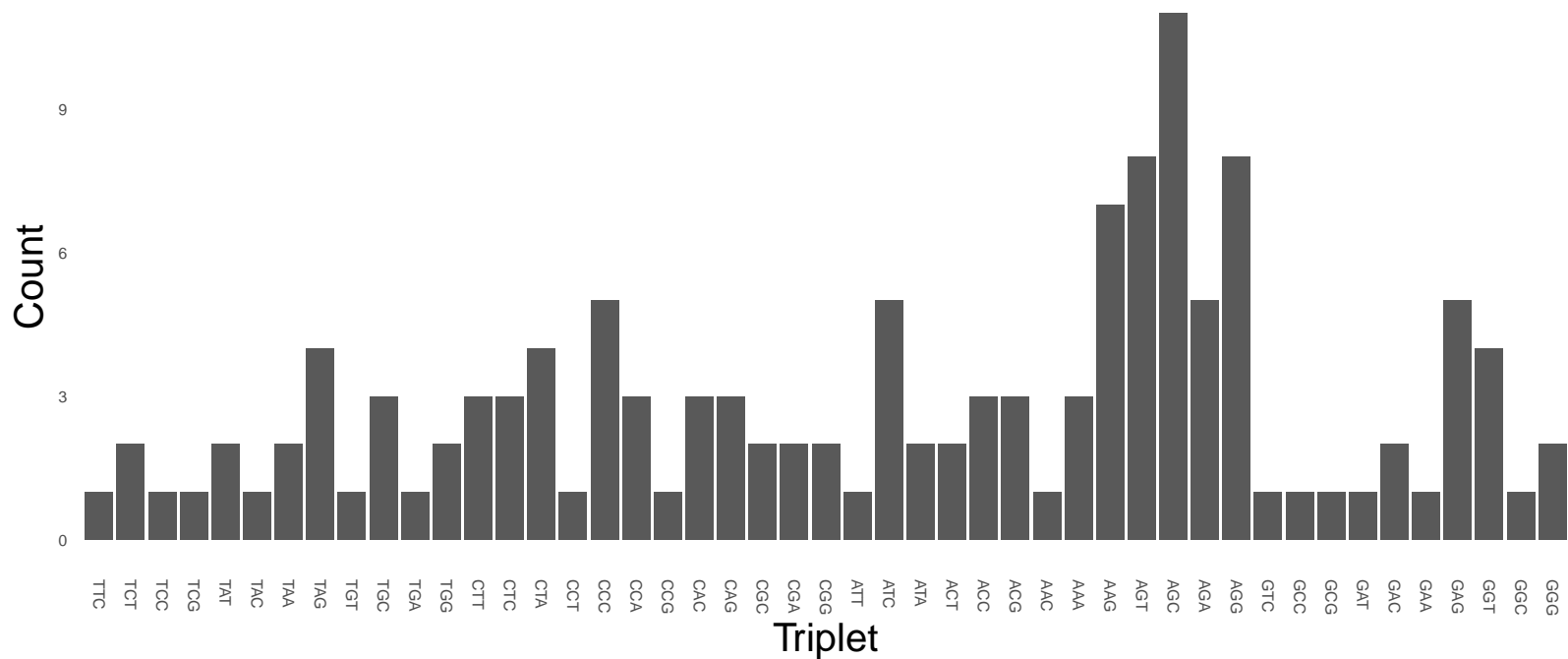
Gene TRBV7-7*ap01_C315T



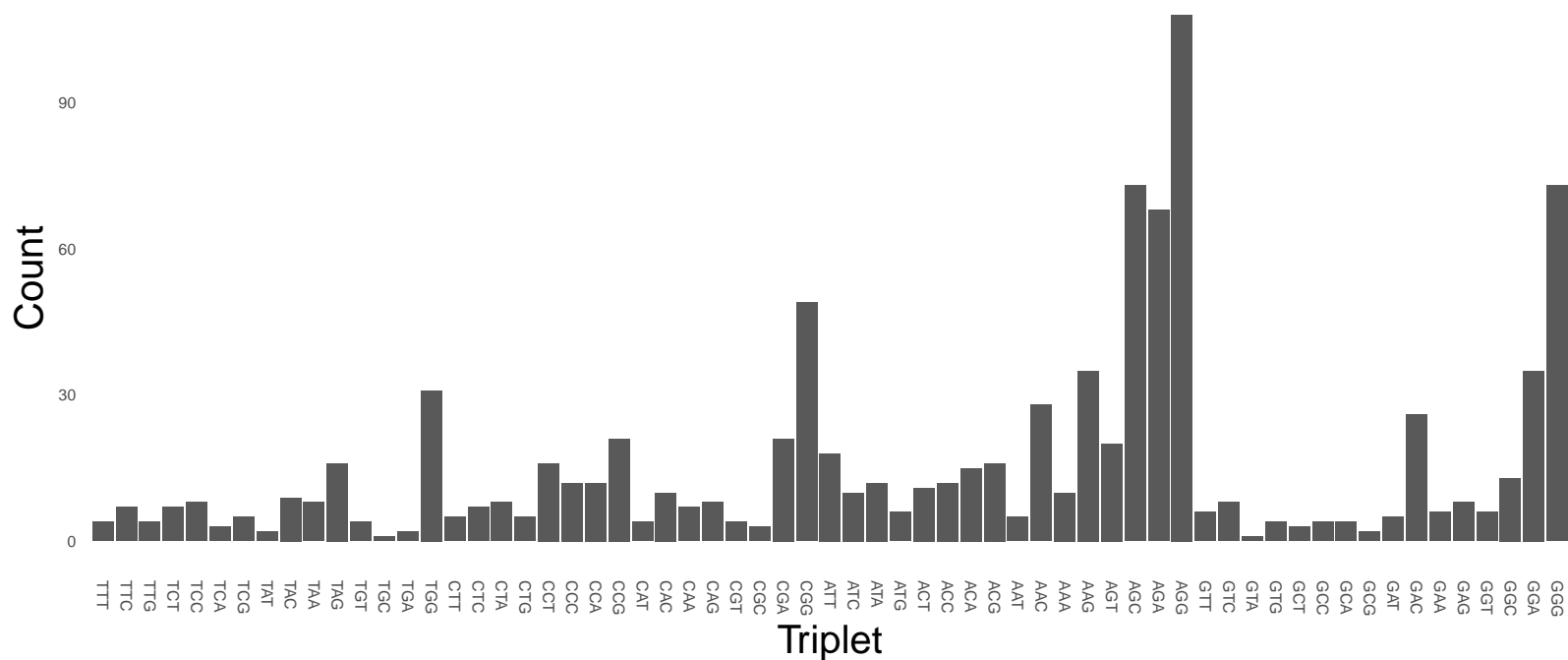
TRBV6-8*ap01_C314A- Final 3 nucleotides as a triplet



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

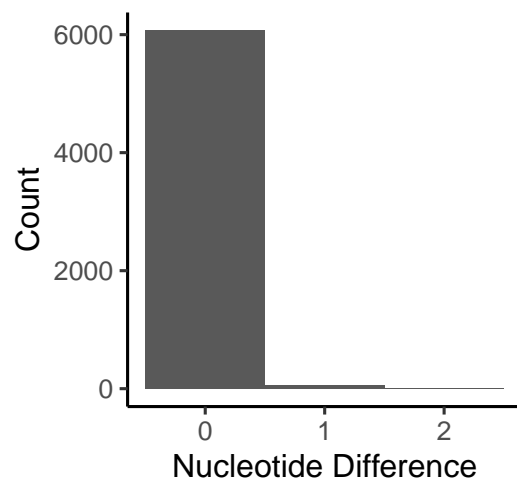


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



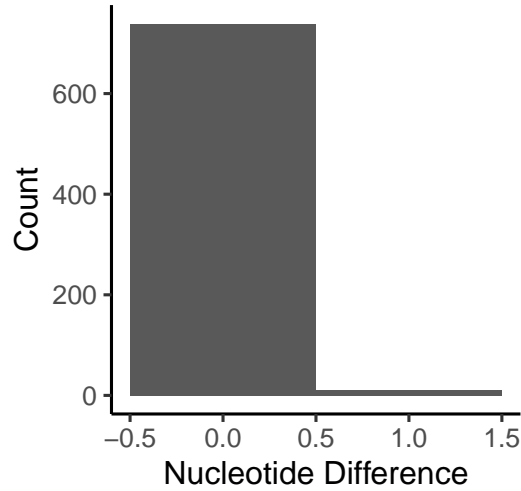
TRBV20-1*ap01

6129 sequences assigned
6072 (99.1%) exact matches, in which:
5964 unique CDR3
13 unique J



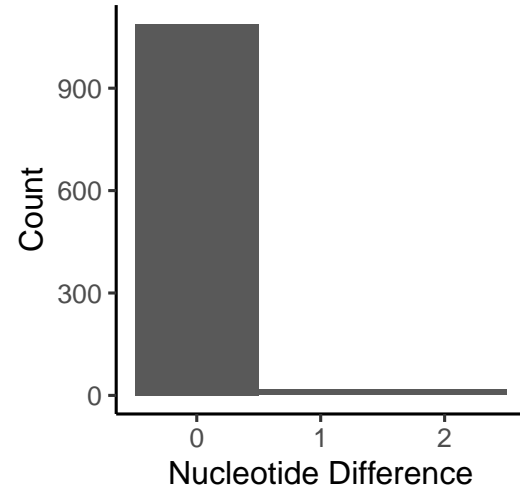
TRBV10-2*ap01

749 sequences assigned
739 (98.7%) exact matches, in which:
719 unique CDR3
13 unique J



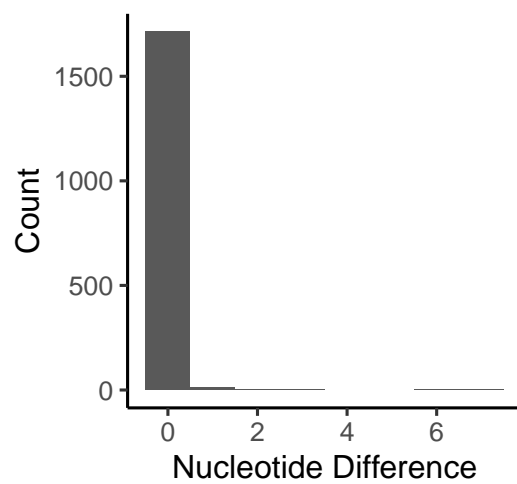
TRBV13*ap01

1123 sequences assigned
1089 (97%) exact matches, in which:
1066 unique CDR3
13 unique J



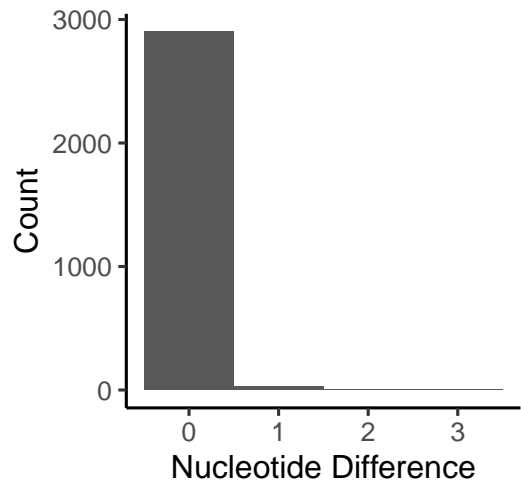
TRBV10-1*ap01

1732 sequences assigned
1713 (98.9%) exact matches, in which:
1688 unique CDR3
13 unique J



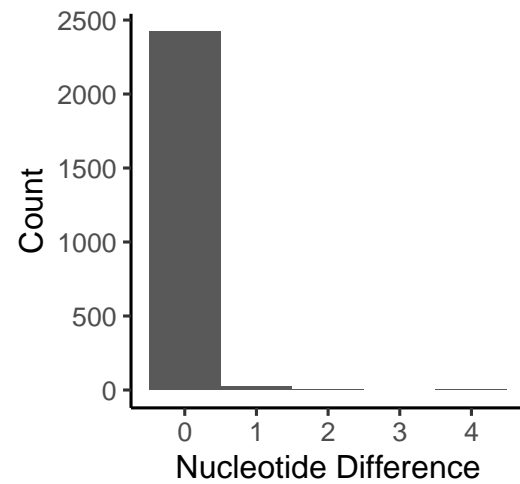
TRBV10-3*ap01

2937 sequences assigned
2901 (98.8%) exact matches, in which:
2843 unique CDR3
13 unique J



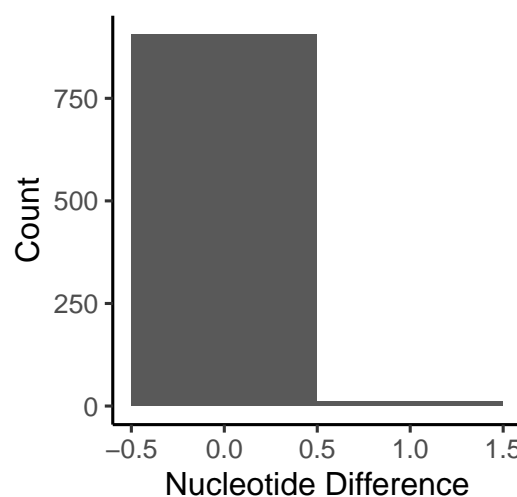
TRBV14*ap01

2446 sequences assigned
2421 (99%) exact matches, in which:
2381 unique CDR3
13 unique J



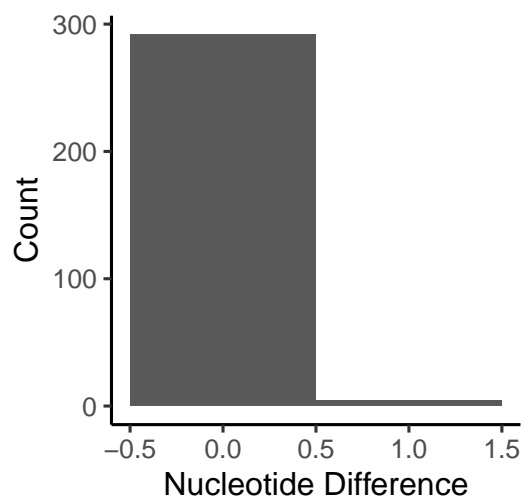
TRBV20-1*ap02

916 sequences assigned
906 (98.9%) exact matches, in which:
888 unique CDR3
13 unique J



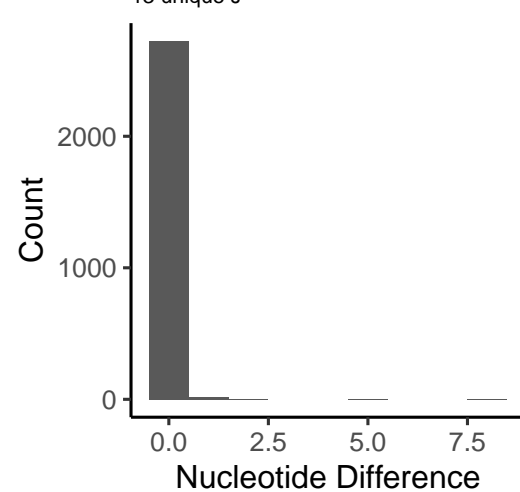
TRBV1*ap01

296 sequences assigned
292 (98.6%) exact matches, in which:
286 unique CDR3
13 unique J



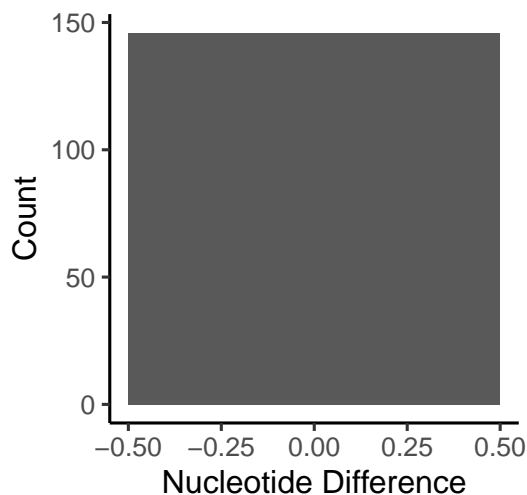
TRBV15*ap02

2745 sequences assigned
2724 (99.2%) exact matches, in which:
2670 unique CDR3
13 unique J



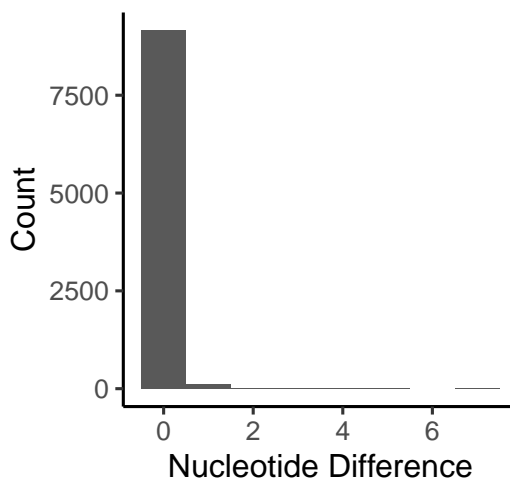
TRBV16*ap01

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



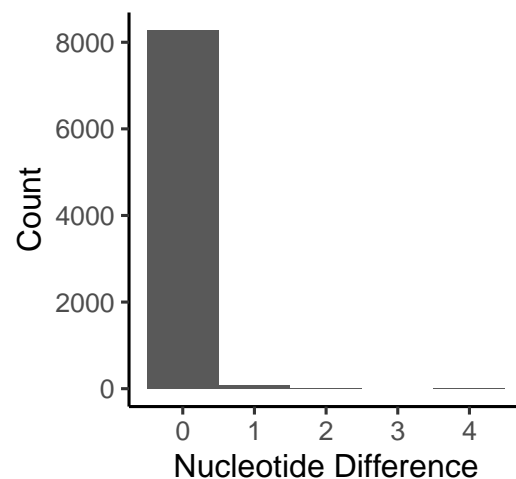
TRBV19*ap01

9277 sequences assigned
9157 (98.7%) exact matches, in which:
9016 unique CDR3
13 unique J



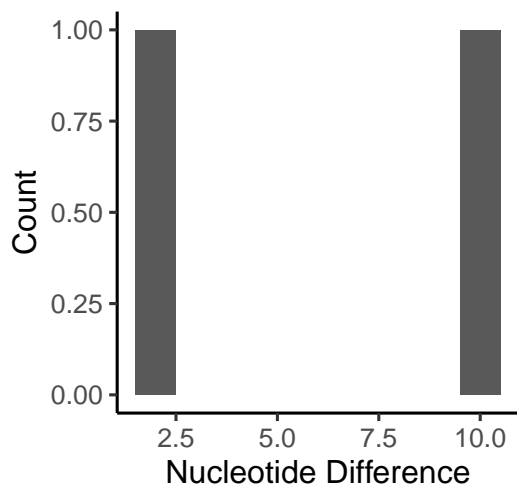
TRBV28*ap01

8364 sequences assigned
8274 (98.9%) exact matches, in which:
8095 unique CDR3
13 unique J



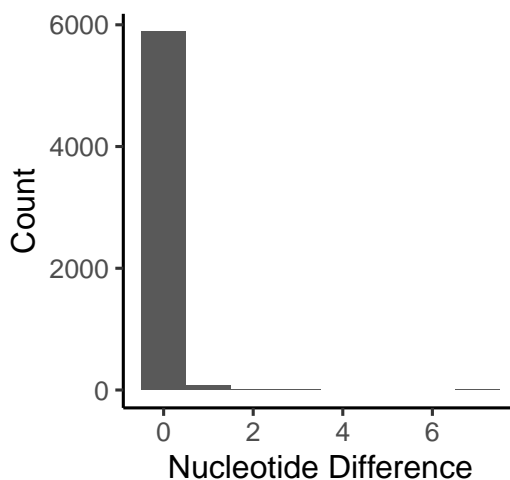
TRBV17*ap01

2 sequences assigned
No exact matches.



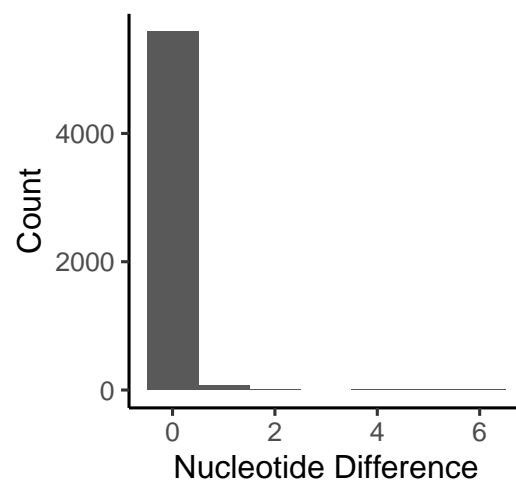
TRBV2*ap01

5972 sequences assigned
5886 (98.6%) exact matches, in which:
5795 unique CDR3
13 unique J



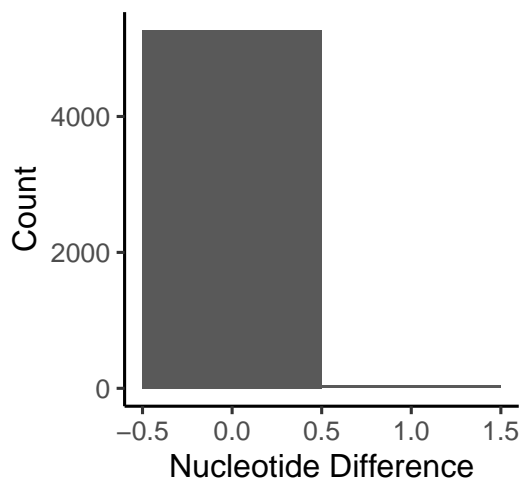
TRBV30*ap01

5666 sequences assigned
5586 (98.6%) exact matches, in which:
5535 unique CDR3
13 unique J



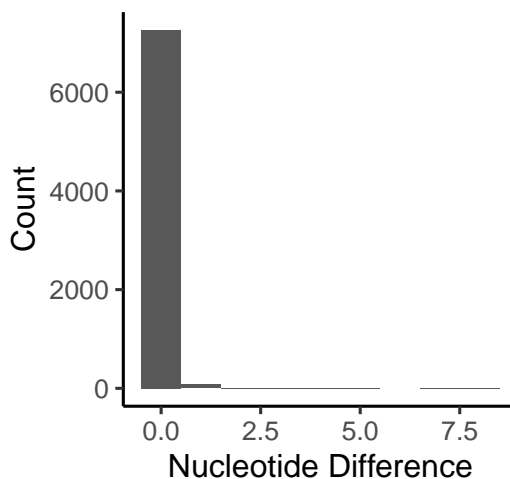
TRBV18*ap01

5312 sequences assigned
5272 (99.2%) exact matches, in which:
5170 unique CDR3
13 unique J



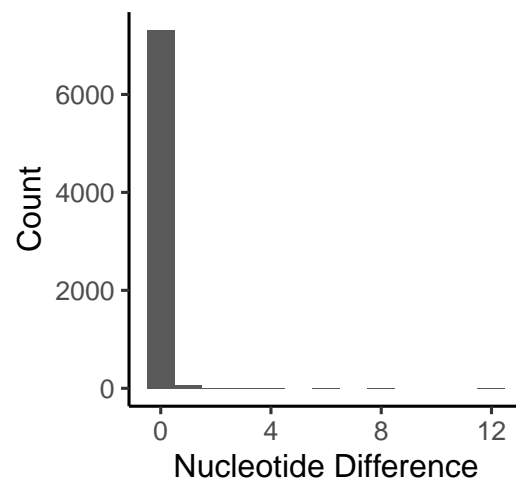
TRBV27*ap01

7355 sequences assigned
7260 (98.7%) exact matches, in which:
7113 unique CDR3
13 unique J



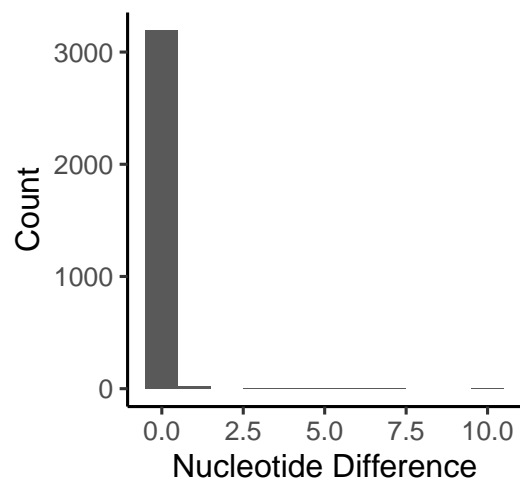
TRBV9*ap01

7395 sequences assigned
7315 (98.9%) exact matches, in which:
7158 unique CDR3
13 unique J



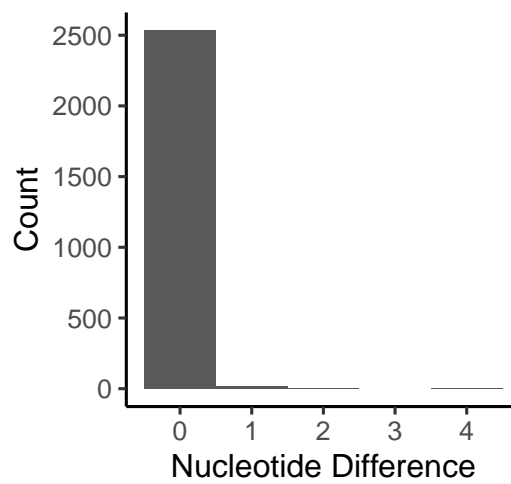
TRBV21-1*ap01

3235 sequences assigned
3193 (98.7%) exact matches, in which:
3133 unique CDR3
13 unique J



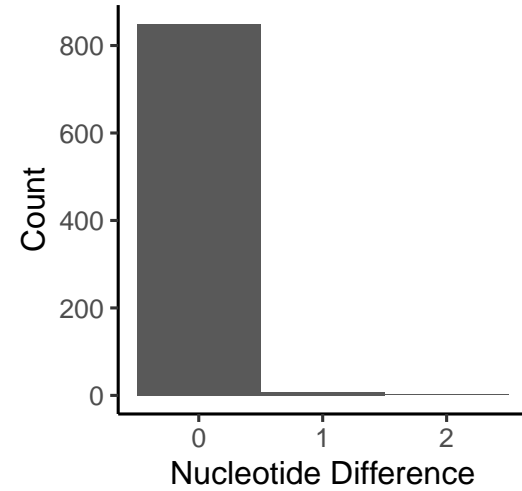
TRBV11-3*ap01

2555 sequences assigned
2534 (99.2%) exact matches, in which:
2488 unique CDR3
13 unique J



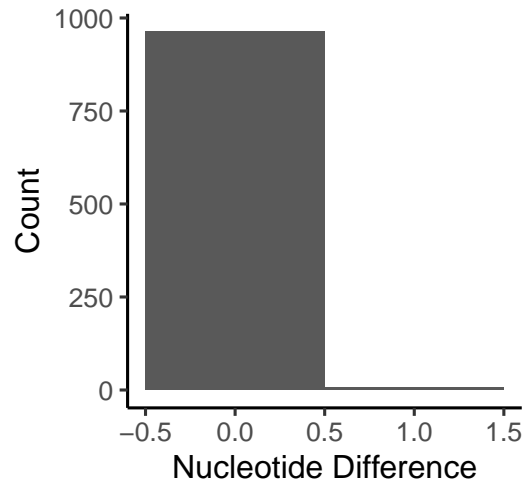
TRBV12-5*ap01

860 sequences assigned
850 (98.8%) exact matches, in which:
831 unique CDR3
13 unique J



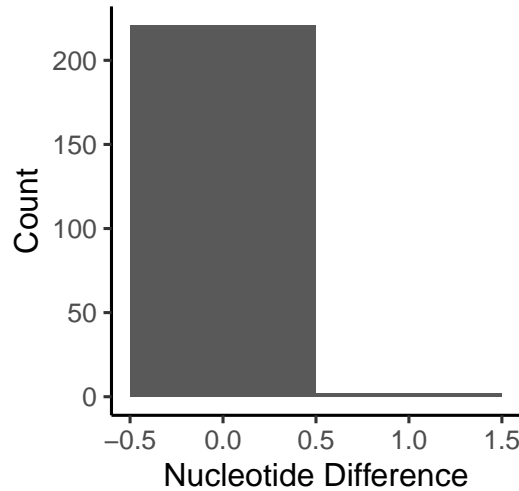
TRBV11-1*ap01

971 sequences assigned
963 (99.2%) exact matches, in which:
937 unique CDR3
13 unique J



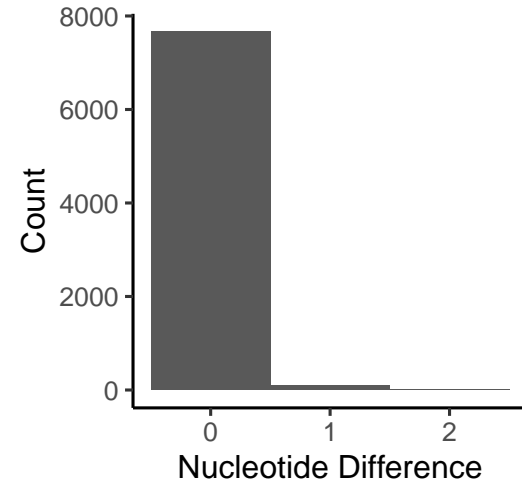
TRBV12-1*ap01

223 sequences assigned
221 (99.1%) exact matches, in which:
212 unique CDR3
13 unique J



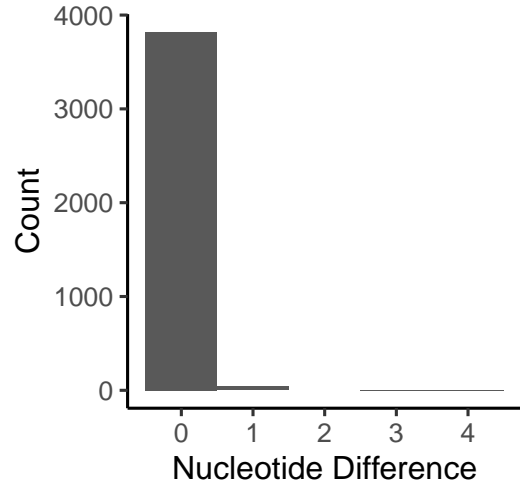
TRBV12-34*ap01

7761 sequences assigned
7663 (98.7%) exact matches, in which:
7518 unique CDR3
13 unique J



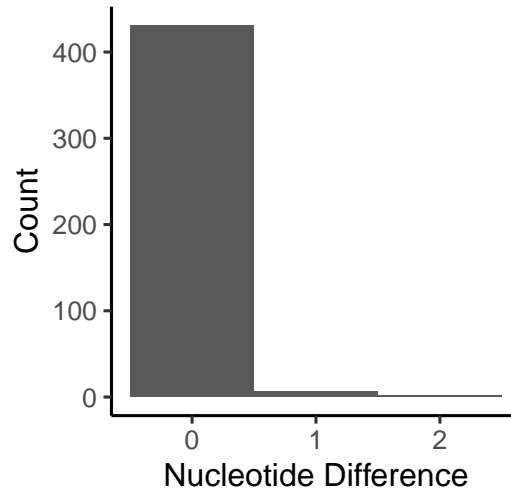
TRBV11-2*ap01

3863 sequences assigned
3819 (98.9%) exact matches, in which:
3745 unique CDR3
13 unique J



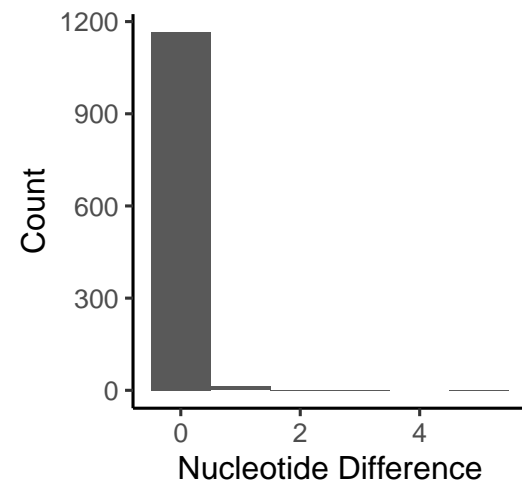
TRBV12-2*ap01

439 sequences assigned
431 (98.2%) exact matches, in which:
423 unique CDR3
13 unique J



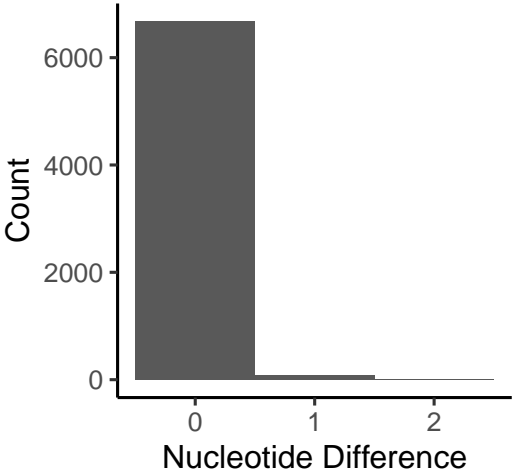
TRBV23-1*ap01

1181 sequences assigned
1166 (98.7%) exact matches, in which:
1142 unique CDR3
13 unique J



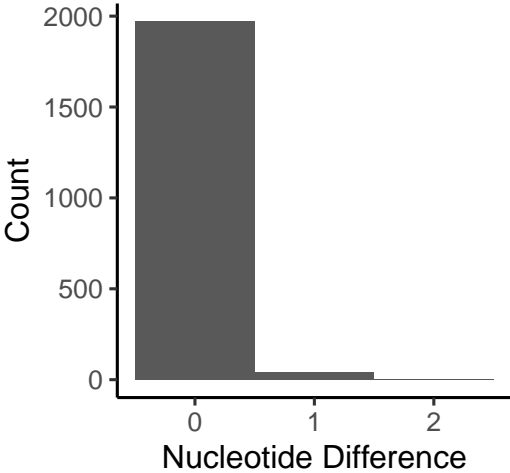
TRBV3-12*ap01

6770 sequences assigned
6675 (98.6%) exact matches, in which:
6567 unique CDR3
13 unique J



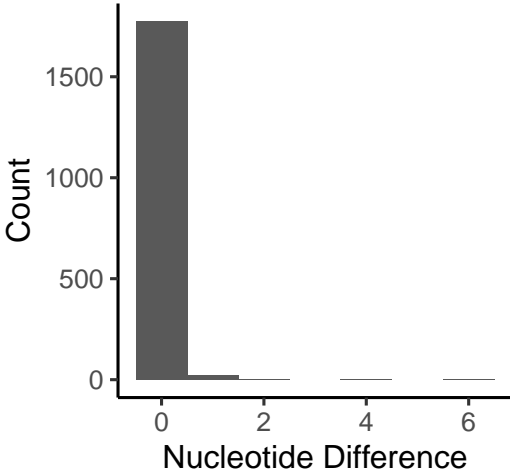
TRBV4-2*ap01

2015 sequences assigned
1971 (97.8%) exact matches, in which:
1939 unique CDR3
13 unique J



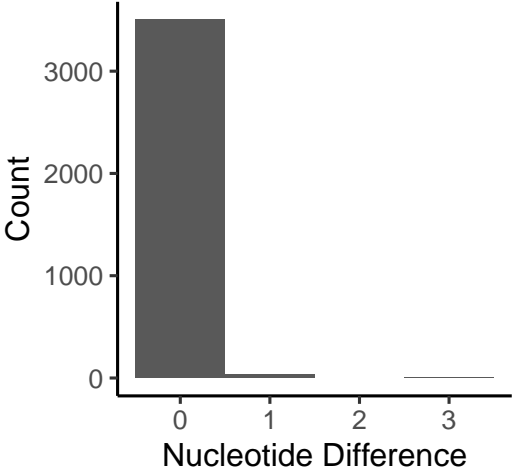
TRBV25-1*ap01

1801 sequences assigned
1774 (98.5%) exact matches, in which:
1751 unique CDR3
13 unique J



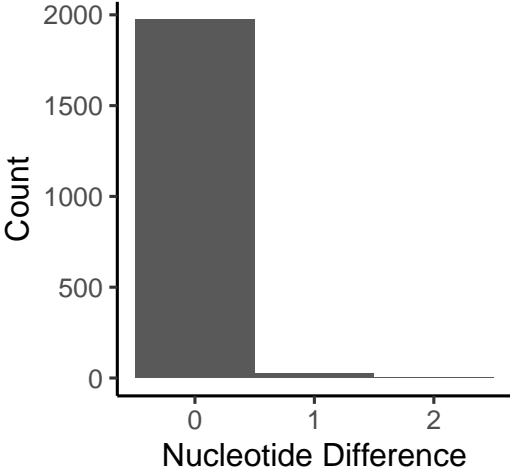
TRBV4-1*ap01

3537 sequences assigned
3503 (99%) exact matches, in which:
3446 unique CDR3
13 unique J



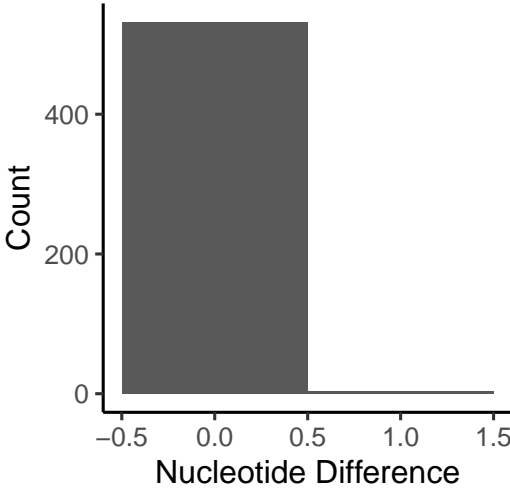
TRBV4-3*ap01

1999 sequences assigned
1973 (98.7%) exact matches, in which:
1944 unique CDR3
13 unique J



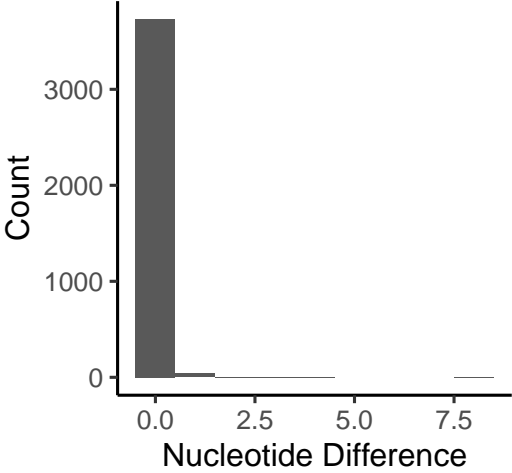
TRBV5-3*ap01

536 sequences assigned
532 (99.3%) exact matches, in which:
522 unique CDR3
13 unique J



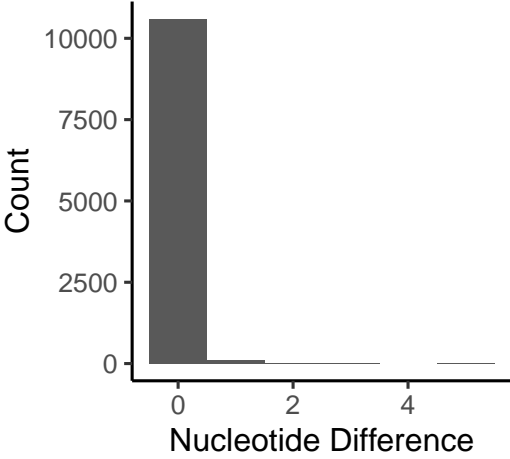
TRBV24-1*ap01

3776 sequences assigned
3732 (98.8%) exact matches, in which:
3687 unique CDR3
13 unique J



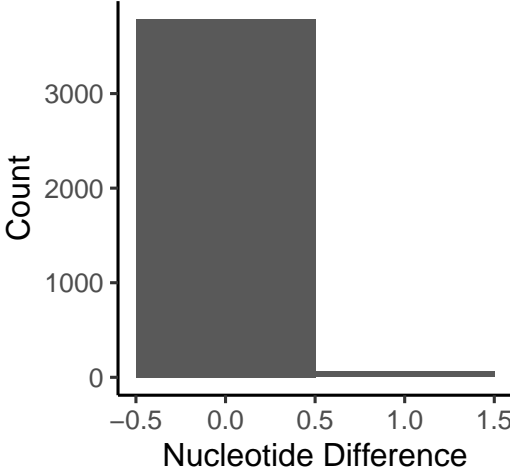
TRBV5-1*ap01

10705 sequences assigned
10600 (99%) exact matches, in which:
10382 unique CDR3
13 unique J



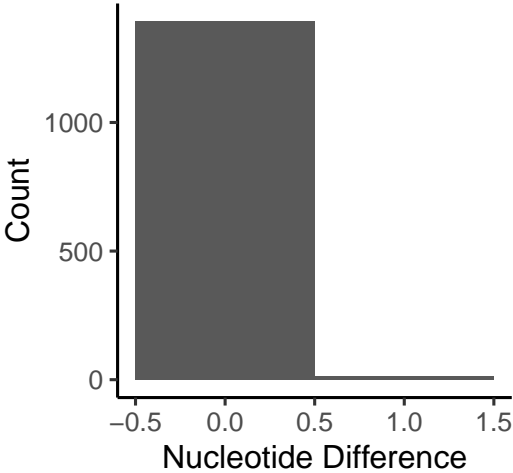
TRBV5-4*ap01

3848 sequences assigned
3788 (98.4%) exact matches, in which:
3729 unique CDR3
13 unique J



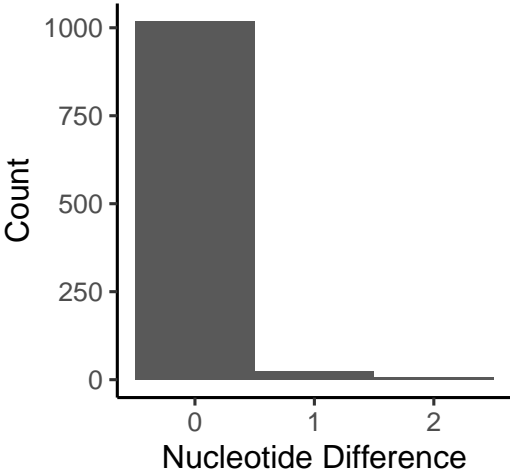
TRBV5-5*ap01

1407 sequences assigned
1393 (99%) exact matches, in which:
1374 unique CDR3
13 unique J



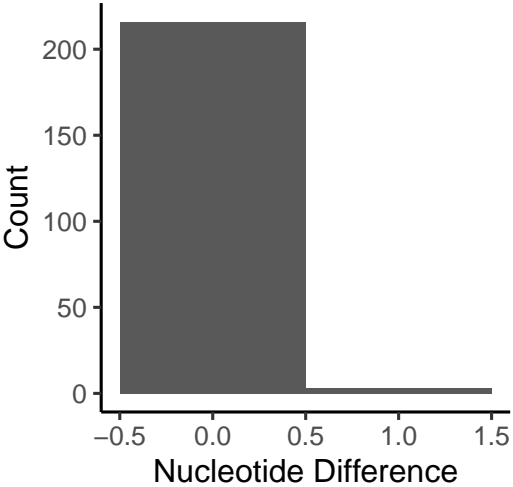
TRBV5-8*ap01

1048 sequences assigned
1018 (97.1%) exact matches, in which:
995 unique CDR3
13 unique J



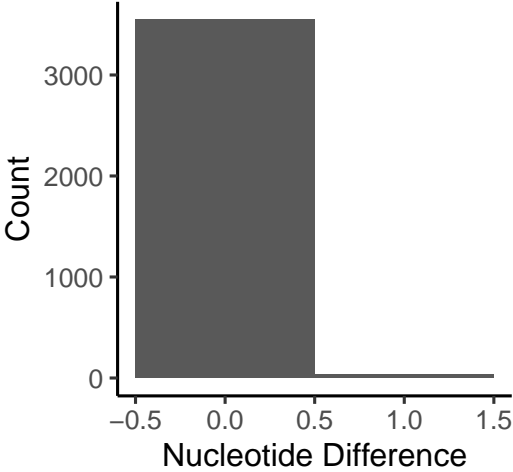
TRBV6-7*ap01

219 sequences assigned
216 (98.6%) exact matches, in which:
211 unique CDR3
13 unique J



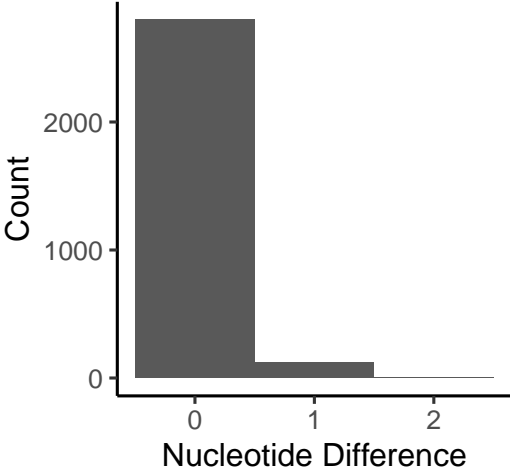
TRBV5-6*ap01

3584 sequences assigned
3547 (99%) exact matches, in which:
3486 unique CDR3
13 unique J



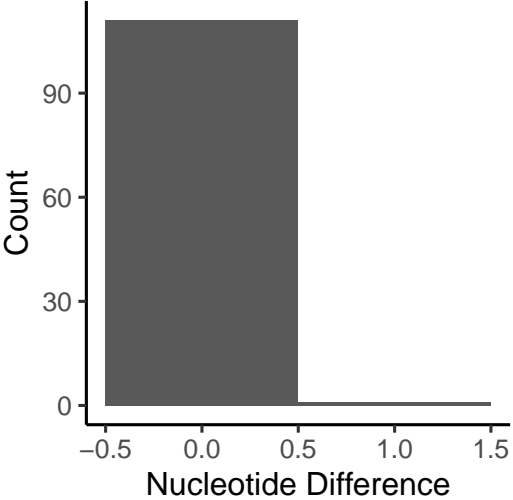
TRBV6-1*ap01

2920 sequences assigned
2799 (95.9%) exact matches, in which:
2745 unique CDR3
13 unique J



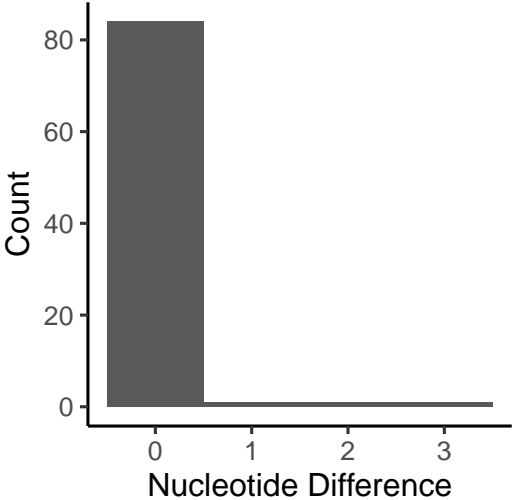
TRBV6-8*ap01

112 sequences assigned
111 (99.1%) exact matches, in which:
110 unique CDR3
12 unique J



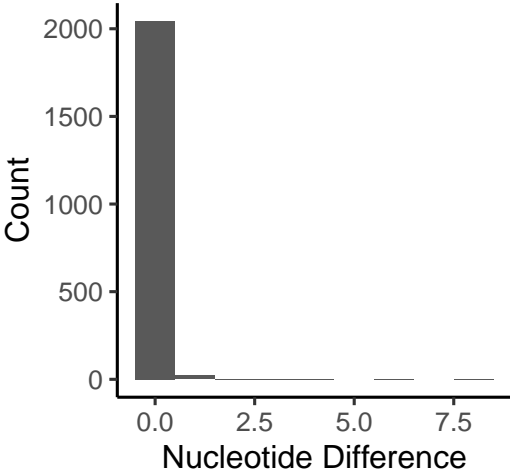
TRBV5-7*ap01

87 sequences assigned
84 (96.6%) exact matches, in which:
84 unique CDR3
13 unique J



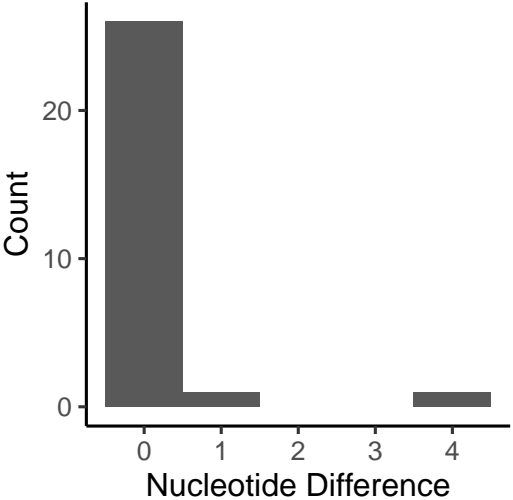
TRBV6-4*ap01

2073 sequences assigned
2044 (98.6%) exact matches, in which:
2017 unique CDR3
13 unique J



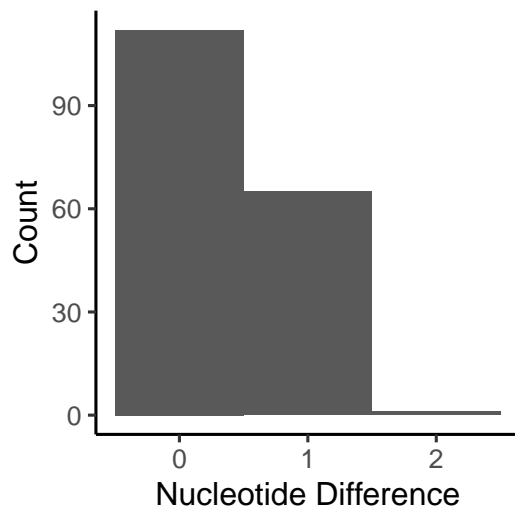
TRBV6-8*ap01_C314A

28 sequences assigned
26 (92.9%) exact matches, in which:
26 unique CDR3
1 unique J



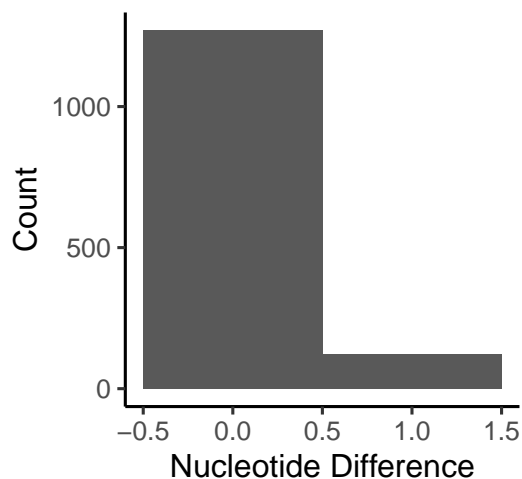
TRBV6-9*ap01

178 sequences assigned
112 (62.9%) exact matches, in which:
110 unique CDR3
13 unique J



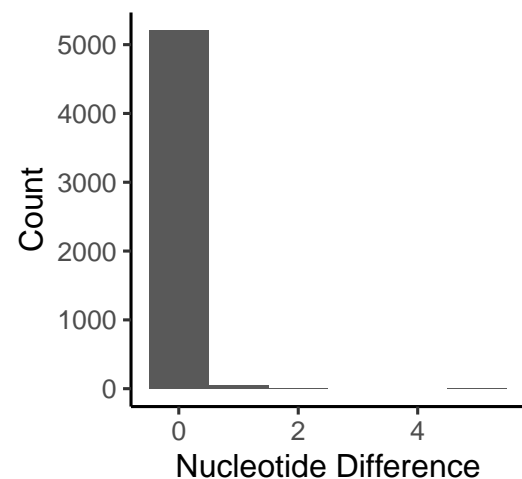
TRBV6-56*ap02

1393 sequences assigned
1270 (91.2%) exact matches, in which:
1249 unique CDR3
13 unique J



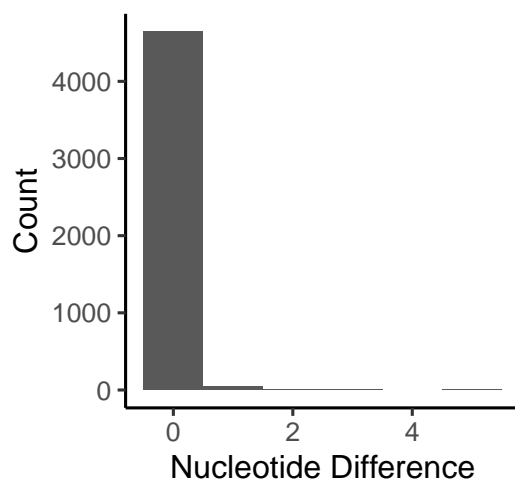
TRBV7-3*ap01

5260 sequences assigned
5207 (99%) exact matches, in which:
5118 unique CDR3
13 unique J



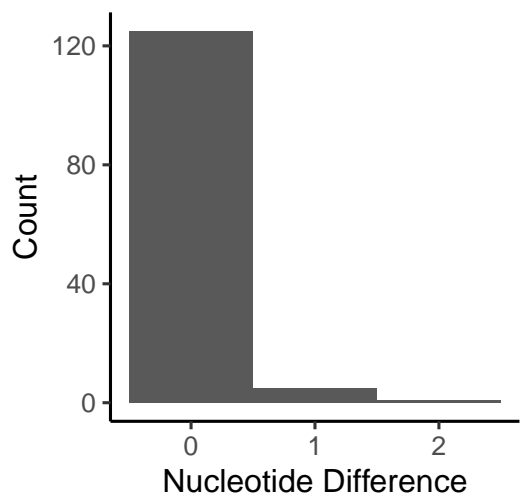
TRBV6-23*ap01

4692 sequences assigned
4643 (99%) exact matches, in which:
4571 unique CDR3
13 unique J



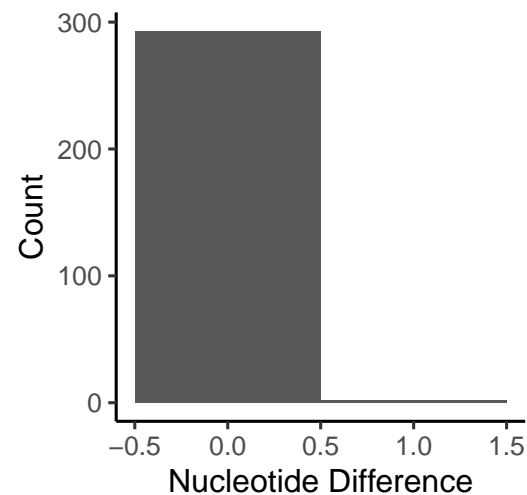
TRBV7-1*ap01_G291C_

131 sequences assigned
125 (95.4%) exact matches, in which:
122 unique CDR3
11 unique J



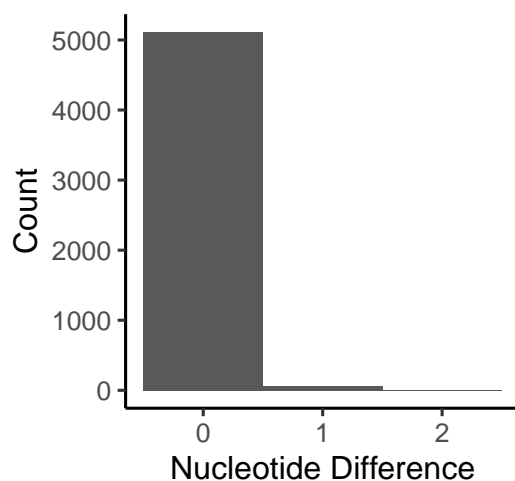
TRBV7-4*ap01

295 sequences assigned
293 (99.3%) exact matches, in which:
286 unique CDR3
13 unique J



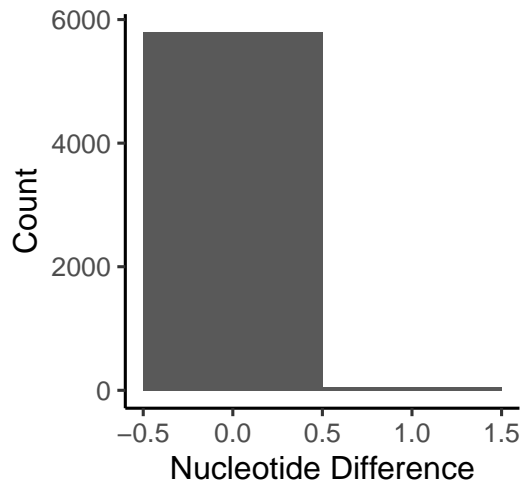
TRBV6-56*ap01

5173 sequences assigned
5113 (98.8%) exact matches, in which:
5024 unique CDR3
13 unique J



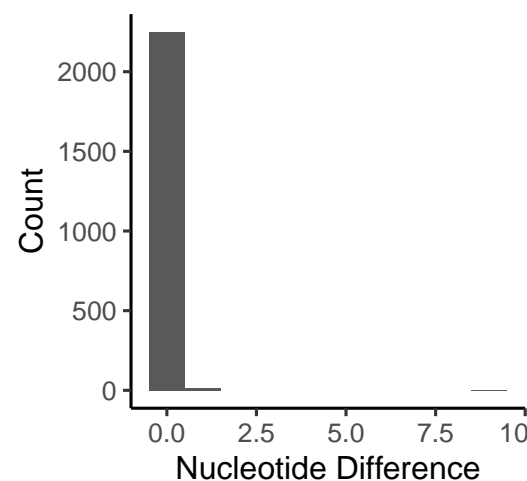
TRBV7-2*ap01

5851 sequences assigned
5798 (99.1%) exact matches, in which:
5660 unique CDR3
13 unique J



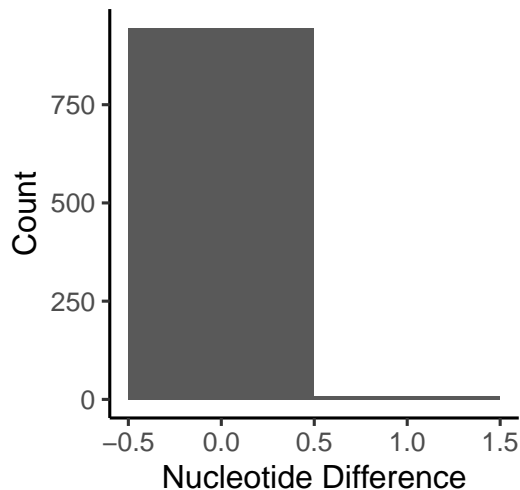
TRBV7-6*ap01

2265 sequences assigned
2249 (99.3%) exact matches, in which:
2194 unique CDR3
13 unique J



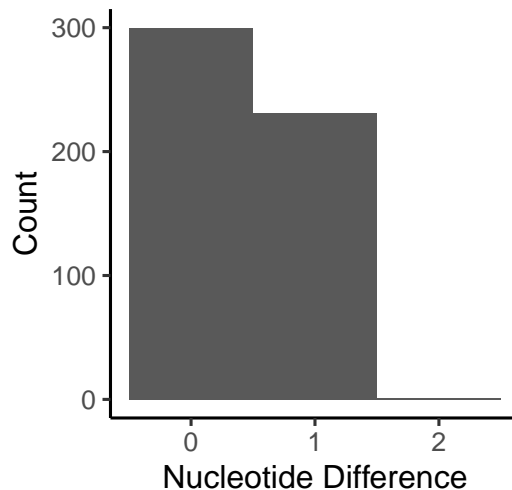
TRBV7-7*ap01_C315T

954 sequences assigned
946 (99.2%) exact matches, in which:
931 unique CDR3
13 unique J



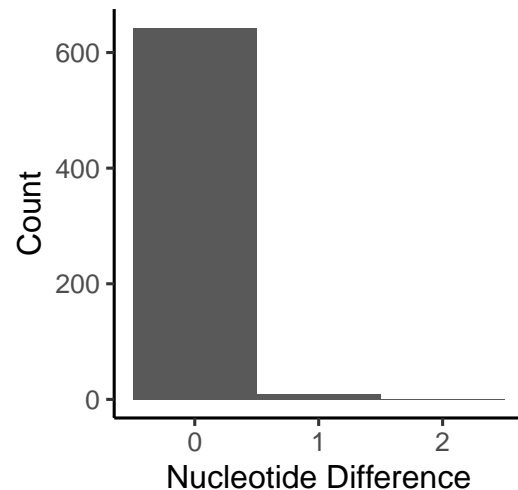
TRBV7-8*ap03

532 sequences assigned
300 (56.4%) exact matches, in which:
292 unique CDR3
13 unique J



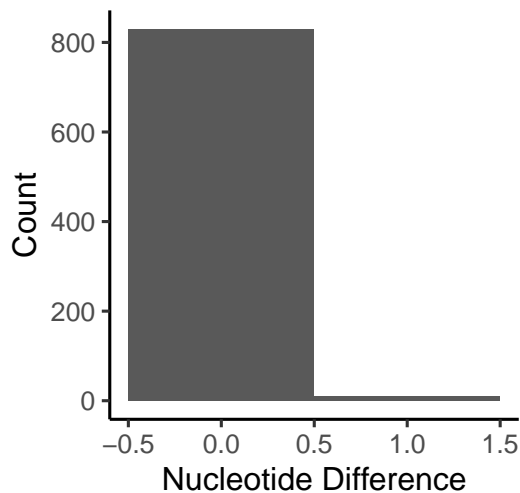
TRBV29-1*ap02

654 sequences assigned
643 (98.3%) exact matches, in which:
637 unique CDR3
13 unique J



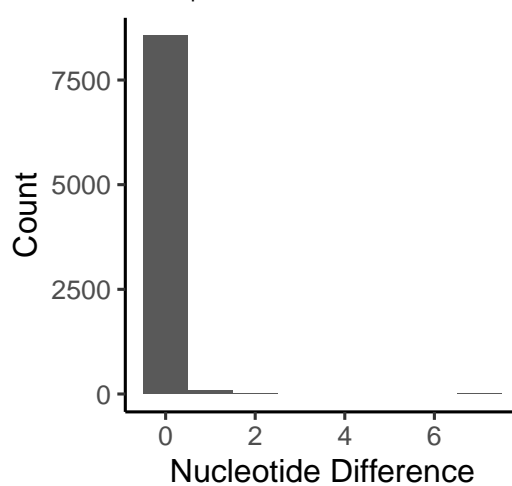
TRBV7-8*ap01

841 sequences assigned
830 (98.7%) exact matches, in which:
817 unique CDR3
13 unique J



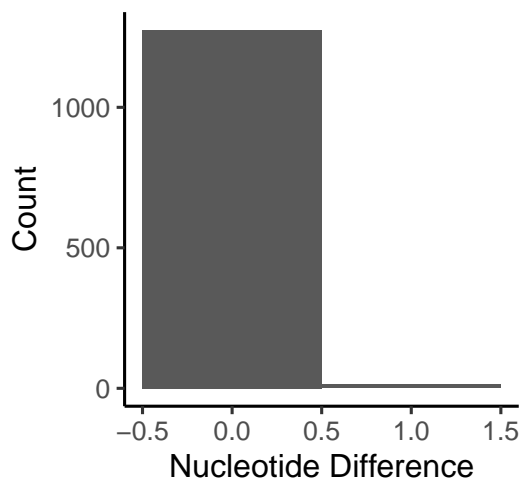
TRBV7-9*ap01

8649 sequences assigned
8558 (98.9%) exact matches, in which:
8422 unique CDR3
13 unique J



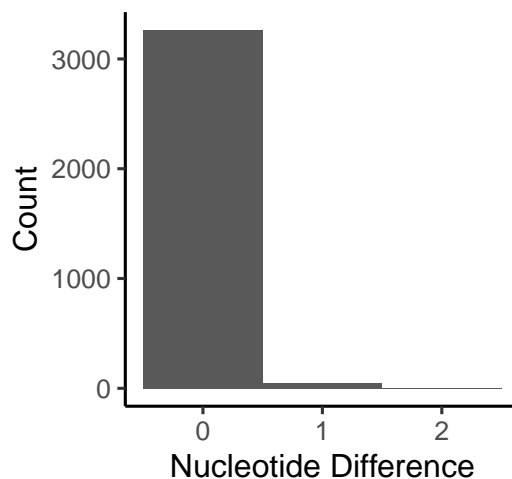
TRBV7-8*ap02

1288 sequences assigned
1275 (99%) exact matches, in which:
1262 unique CDR3
13 unique J

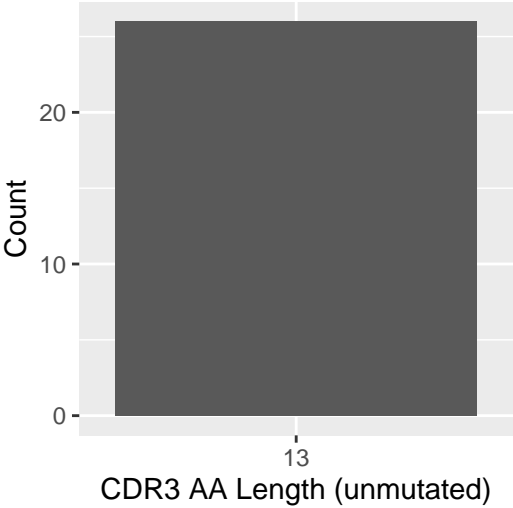


TRBV29-1*ap01

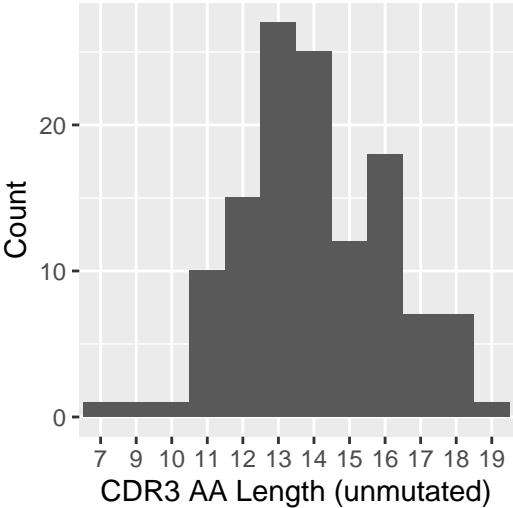
3311 sequences assigned
3263 (98.6%) exact matches, in which:
3227 unique CDR3
13 unique J



TRBV6-8*ap01_C314A



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

