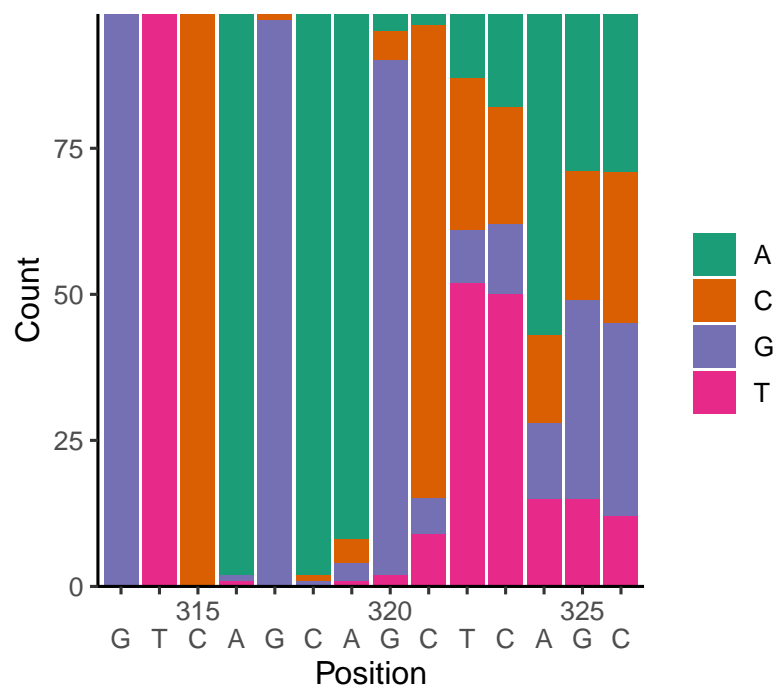
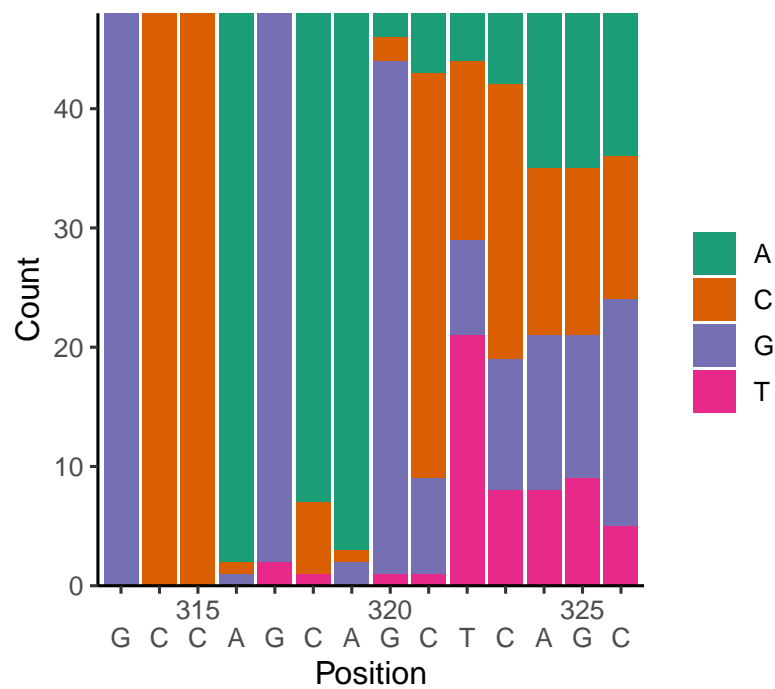


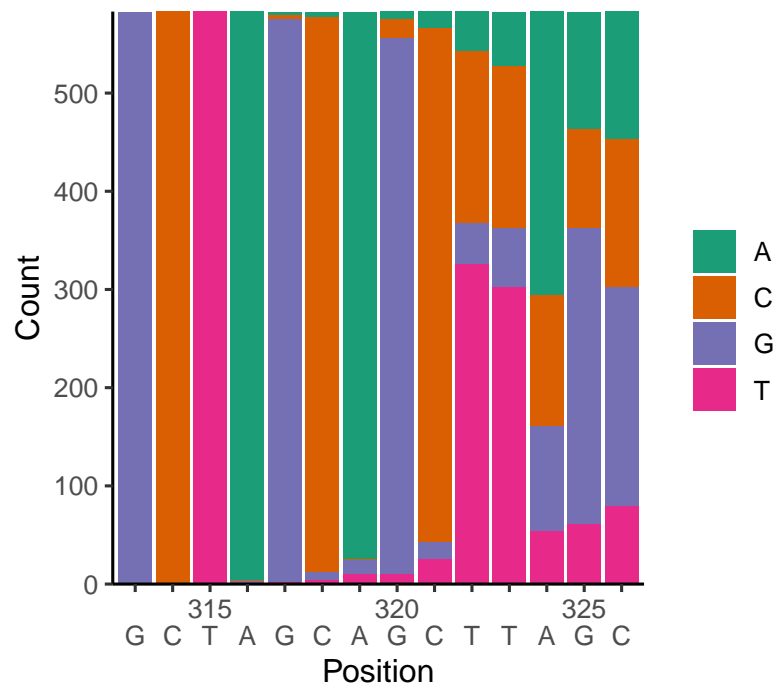
Gene TRBV7-1*ap01_T296C_C314T



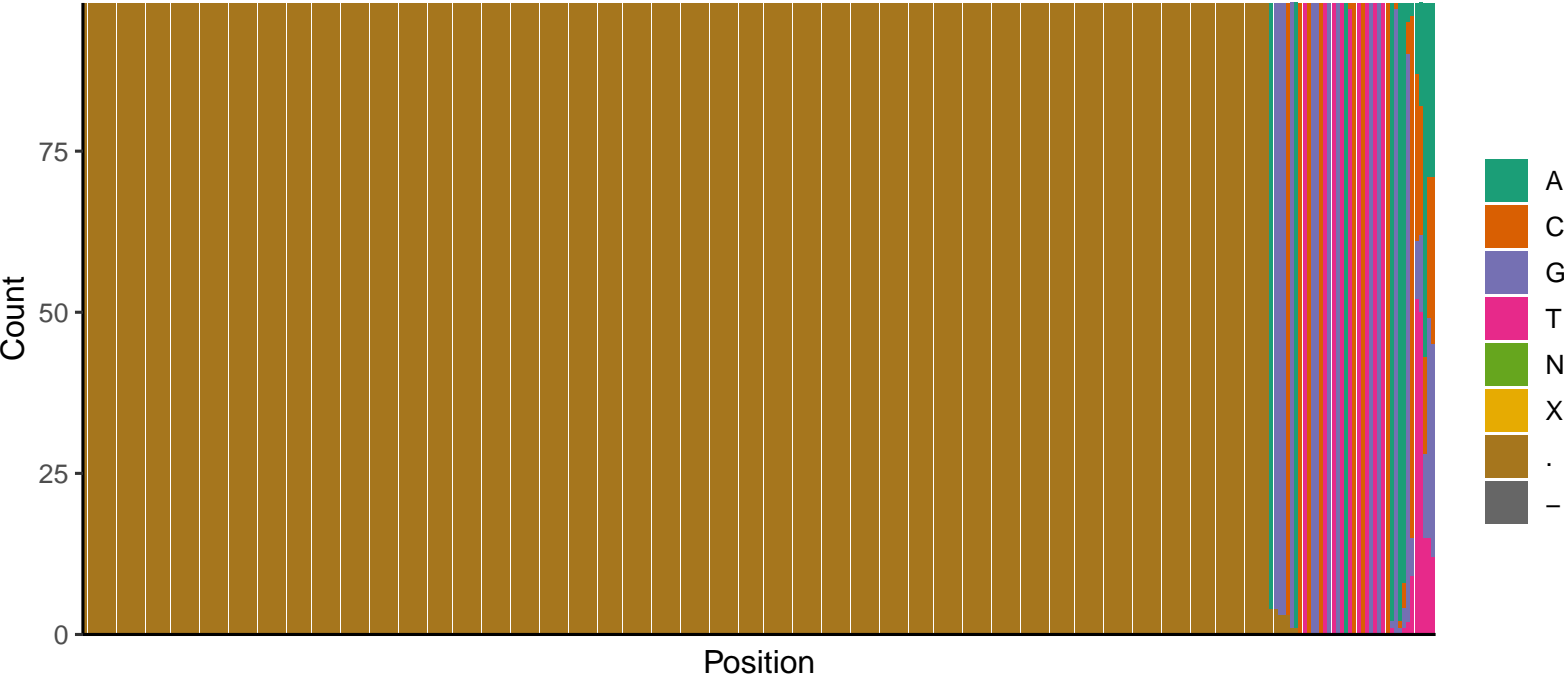
Gene TRBV7-1*ap01_T296C



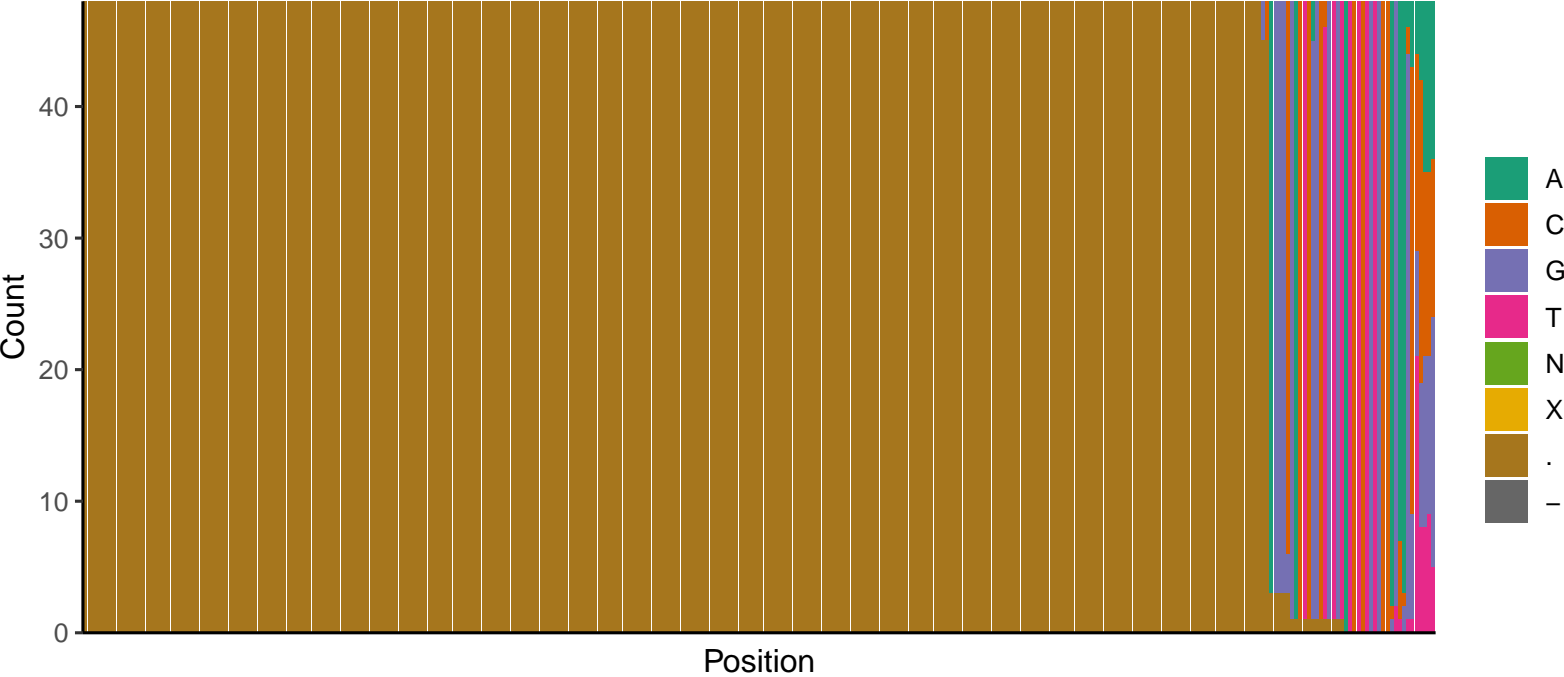
Gene TRBV7-7*ap01_C315T



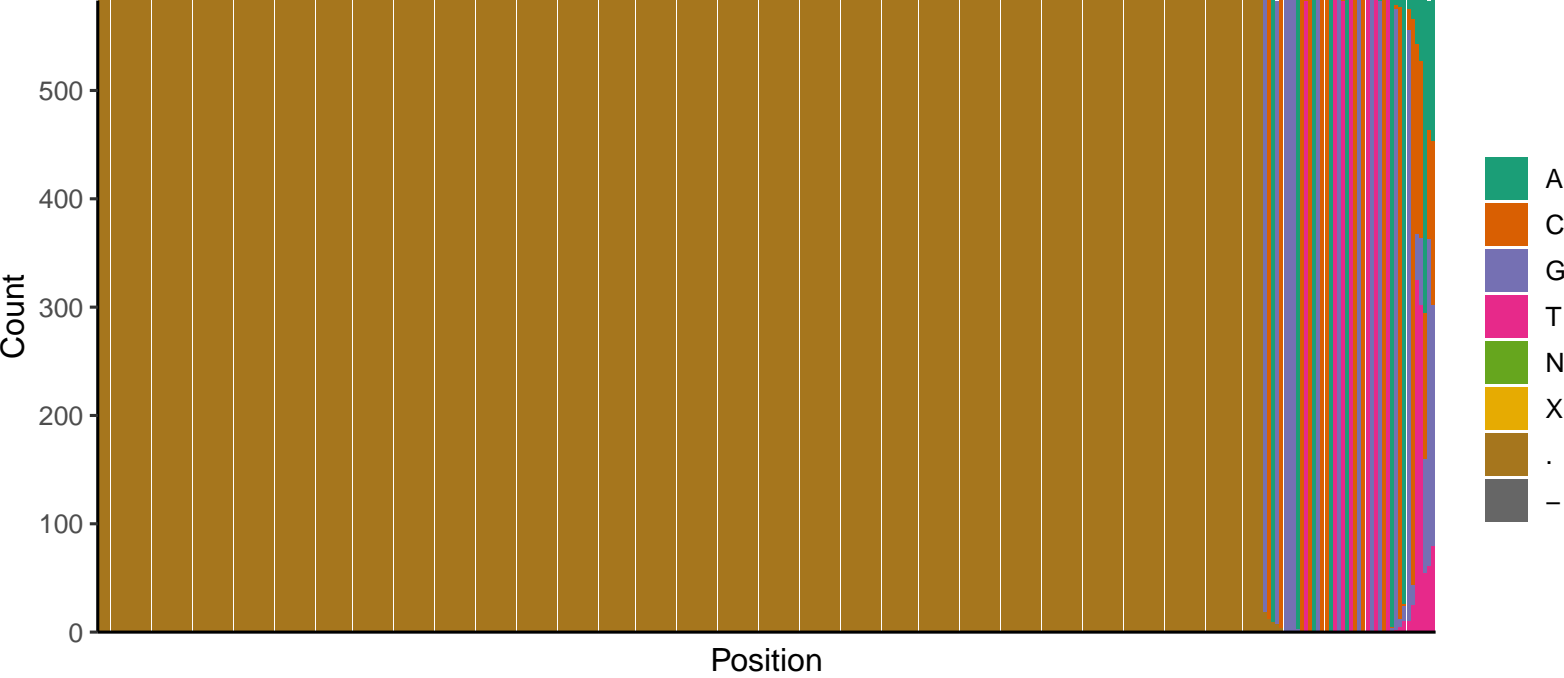
Gene TRBV7-1*ap01_T296C_C314T



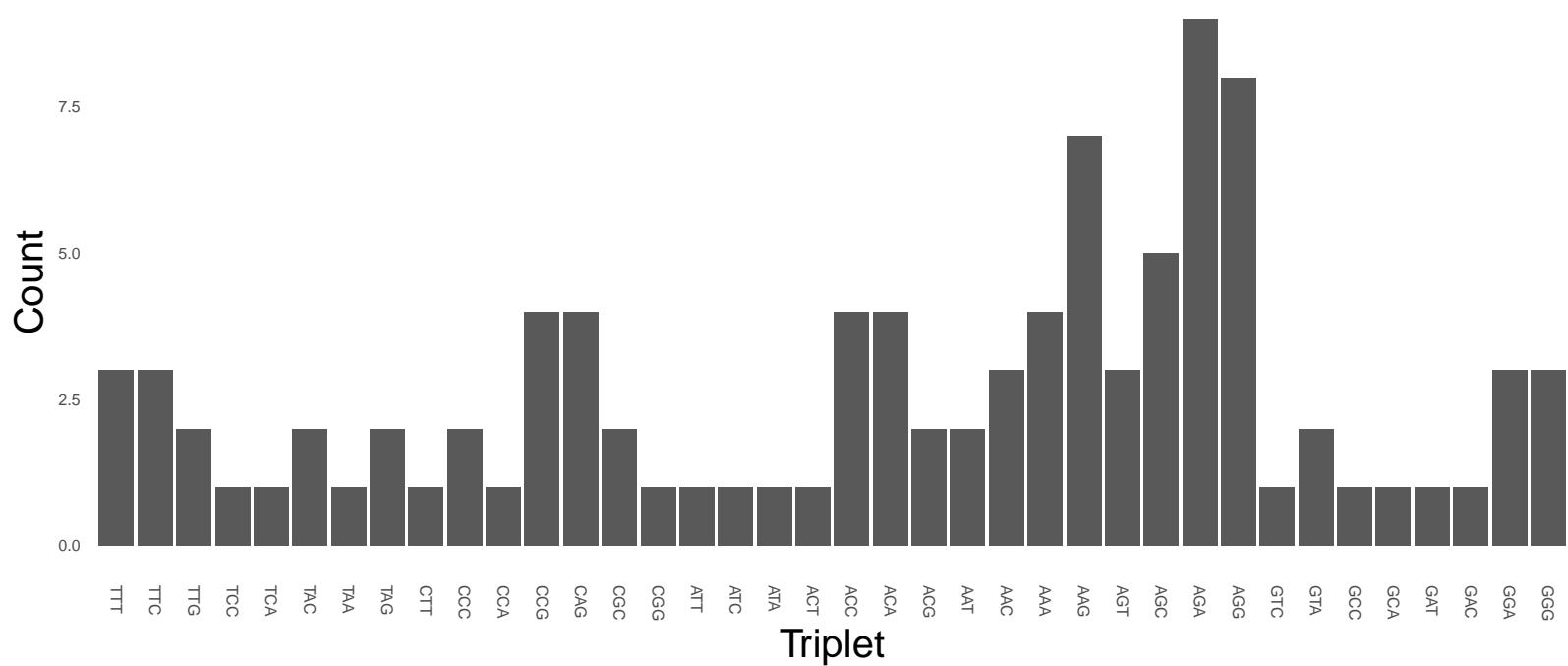
Gene TRBV7-1*ap01_T296C



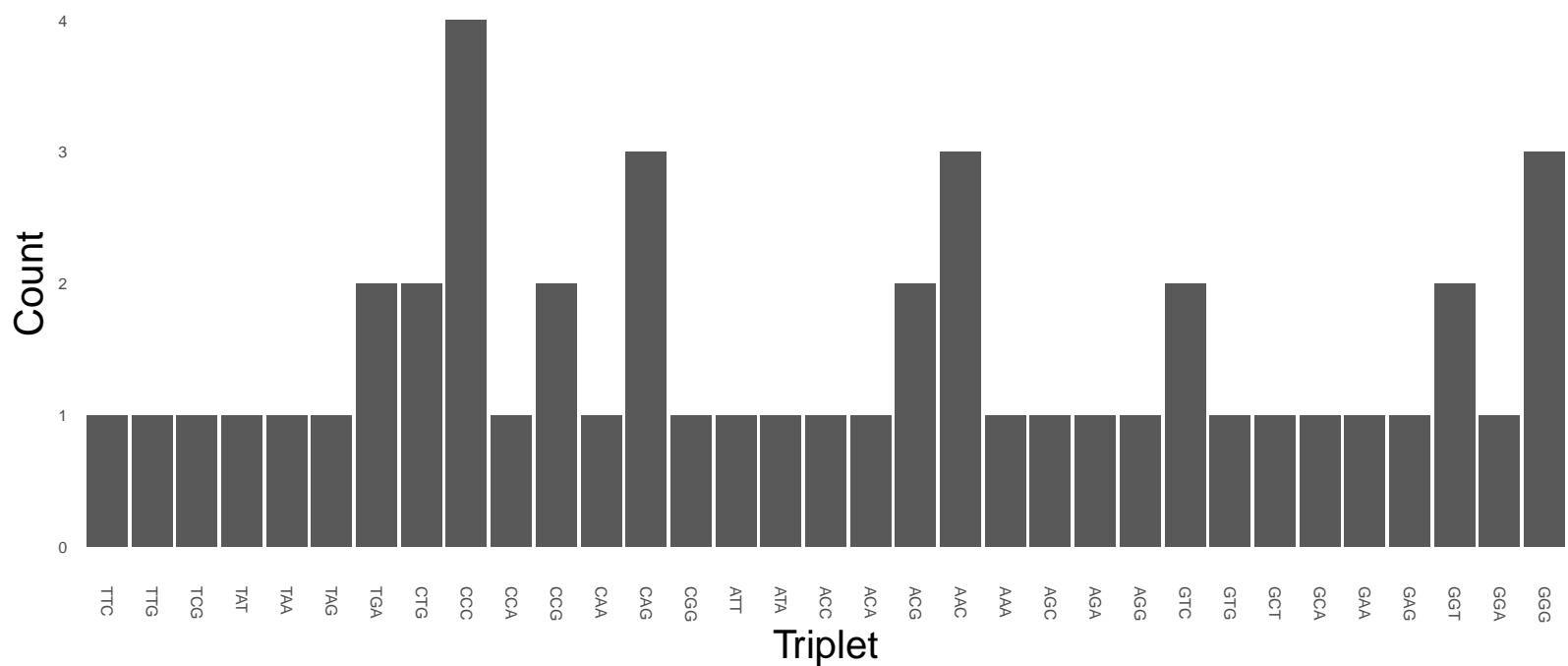
Gene TRBV7-7*ap01_C315T



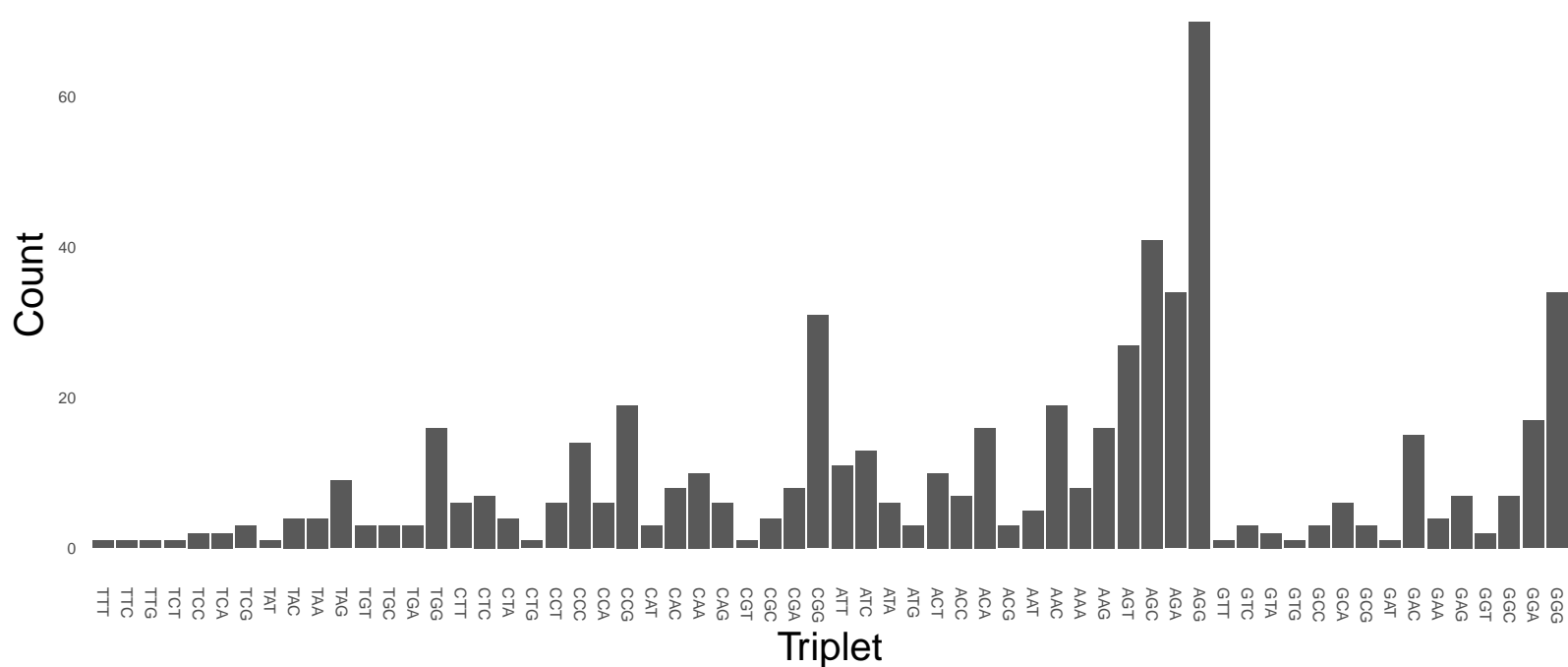
TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet



TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet

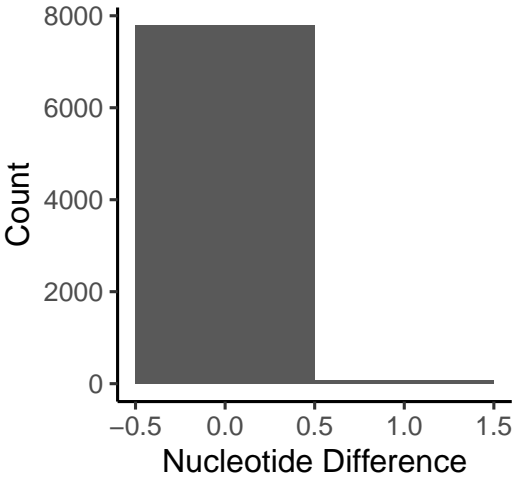


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



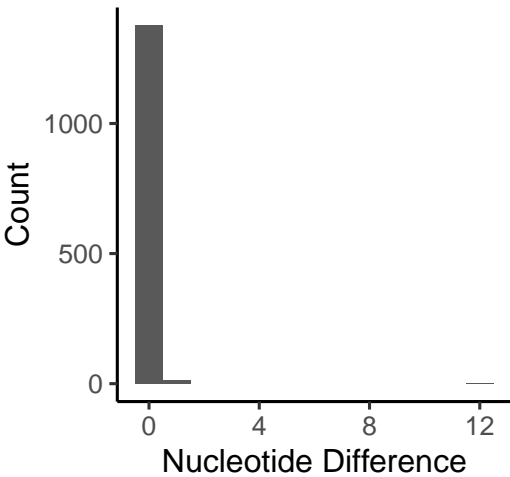
TRBV20-1*ap01

7858 sequences assigned
7790 (99.1%) exact matches, in which:
7761 unique CDR3
14 unique J



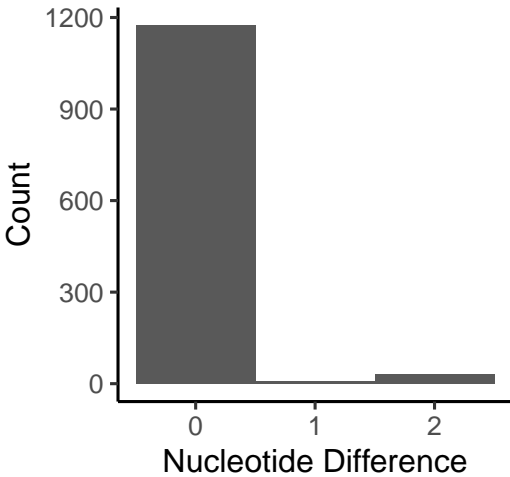
TRBV10-2*ap01

1394 sequences assigned
1377 (98.8%) exact matches, in which:
1369 unique CDR3
13 unique J



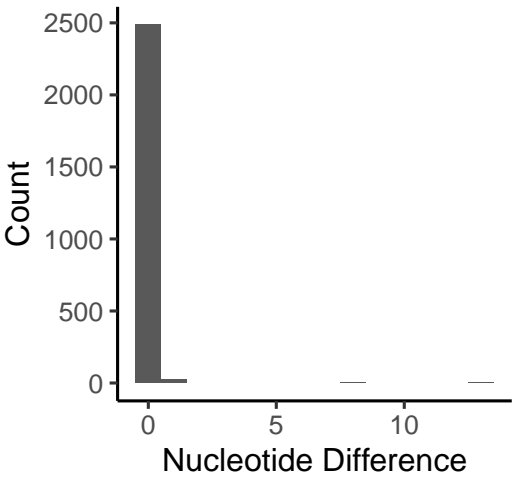
TRBV13*ap01

1213 sequences assigned
1174 (96.8%) exact matches, in which:
1167 unique CDR3
13 unique J



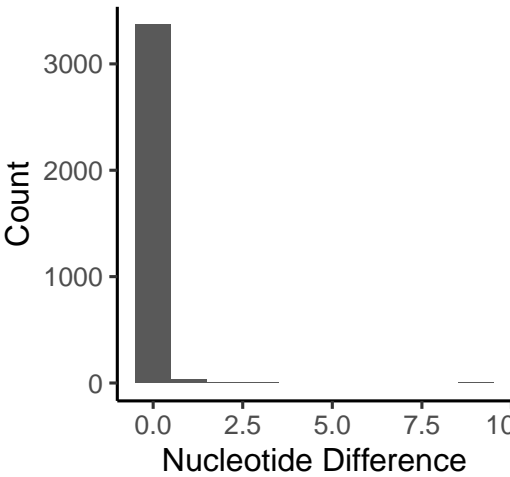
TRBV10-1*ap01

2516 sequences assigned
2487 (98.8%) exact matches, in which:
2459 unique CDR3
13 unique J



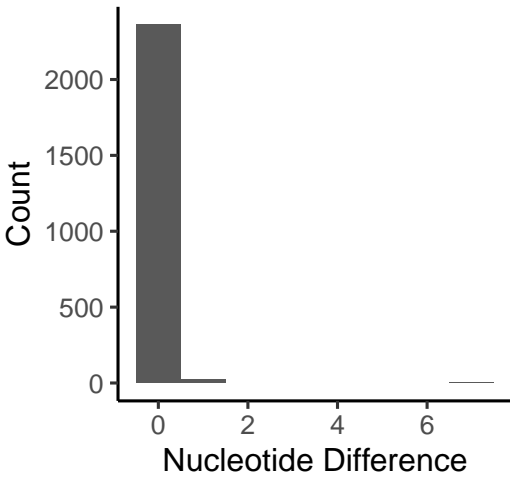
TRBV10-3*ap01

3402 sequences assigned
3368 (99%) exact matches, in which:
3326 unique CDR3
13 unique J



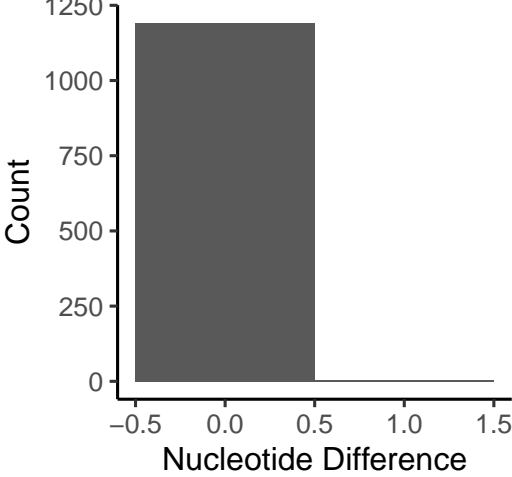
TRBV14*ap01

2387 sequences assigned
2361 (98.9%) exact matches, in which:
2352 unique CDR3
13 unique J



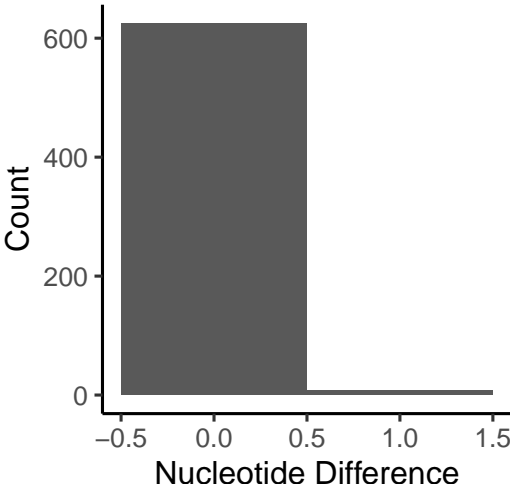
TRBV20-1*ap02

1196 sequences assigned
1191 (99.6%) exact matches, in which:
1188 unique CDR3
13 unique J



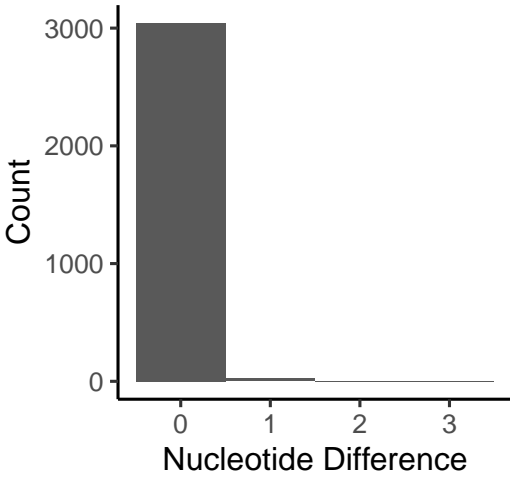
TRBV1*ap01

632 sequences assigned
625 (98.9%) exact matches, in which:
614 unique CDR3
13 unique J



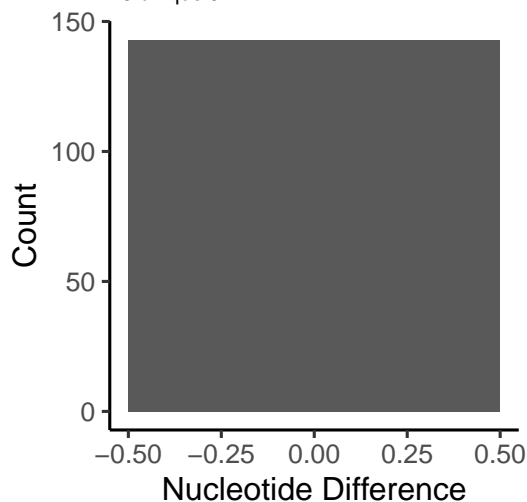
TRBV15*ap02

3068 sequences assigned
3043 (99.2%) exact matches, in which:
3020 unique CDR3
13 unique J



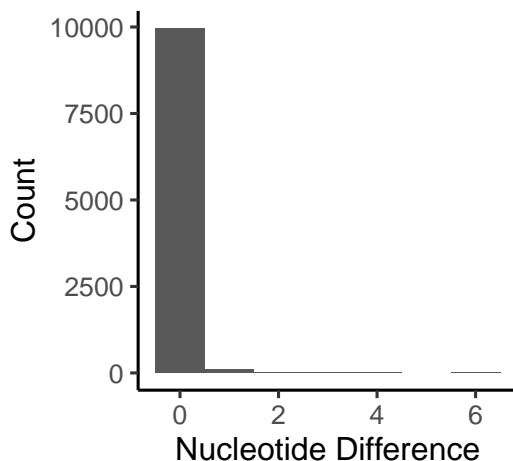
TRBV16*ap01

143 sequences assigned
143 (100%) exact matches, in which:
142 unique CDR3
13 unique J



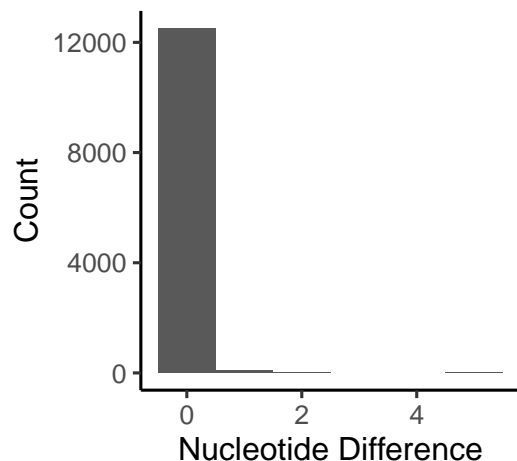
TRBV2*ap01

10089 sequences assigned
9967 (98.8%) exact matches, in which:
9872 unique CDR3
13 unique J



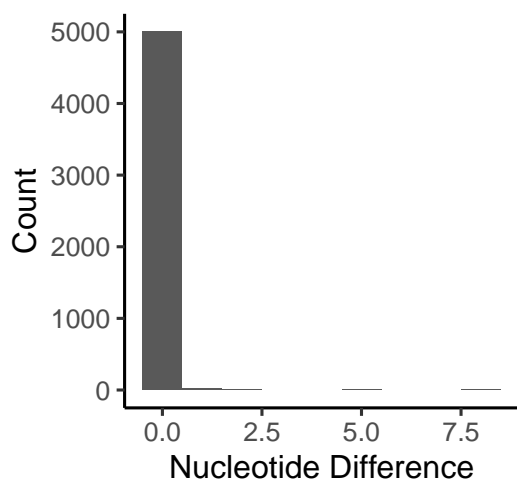
TRBV28*ap01

12618 sequences assigned
12516 (99.2%) exact matches, in which:
12460 unique CDR3
13 unique J



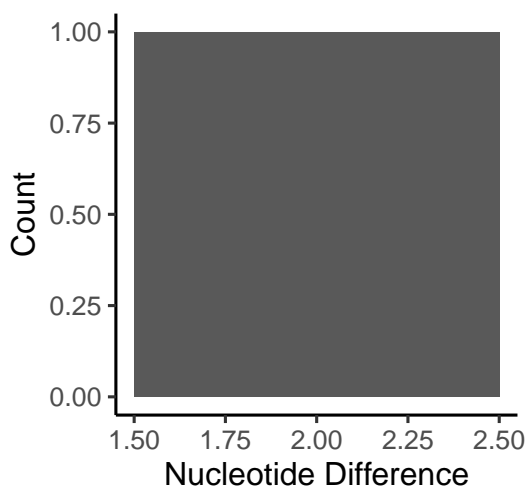
TRBV18*ap01

5027 sequences assigned
5002 (99.5%) exact matches, in which:
4991 unique CDR3
13 unique J



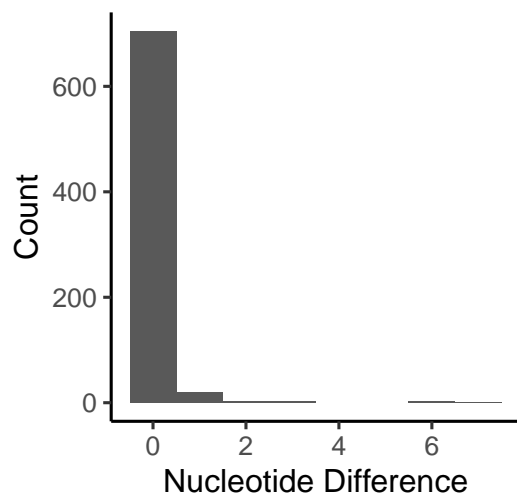
TRBV26*ap01

1 sequences assigned
No exact matches.



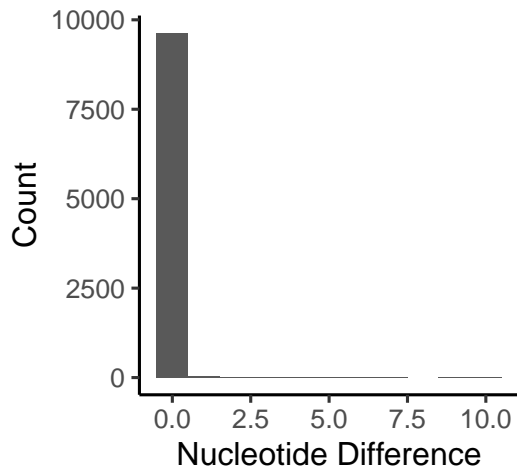
TRBV30*ap02

731 sequences assigned
705 (96.4%) exact matches, in which:
695 unique CDR3
13 unique J



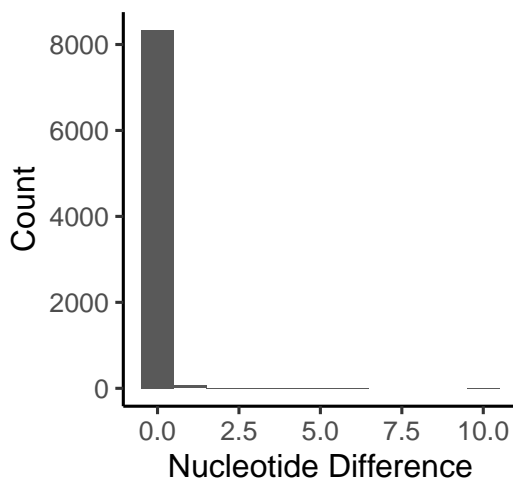
TRBV19*ap01

9704 sequences assigned
9637 (99.3%) exact matches, in which:
9609 unique CDR3
13 unique J



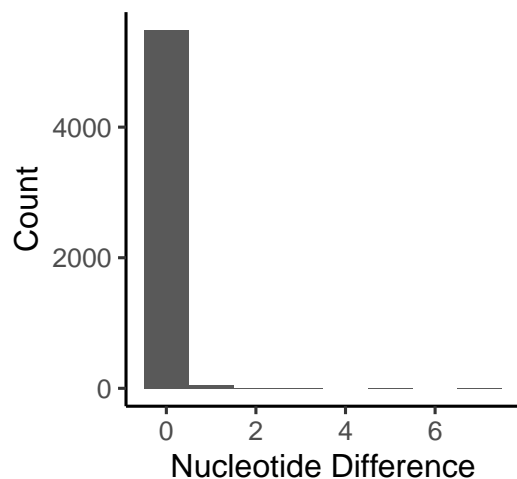
TRBV27*ap01

8417 sequences assigned
8336 (99%) exact matches, in which:
8272 unique CDR3
13 unique J



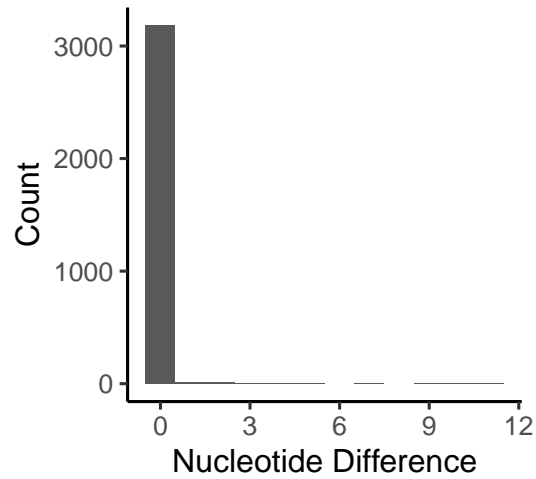
TRBV9*ap01

5537 sequences assigned
5487 (99.1%) exact matches, in which:
5462 unique CDR3
13 unique J



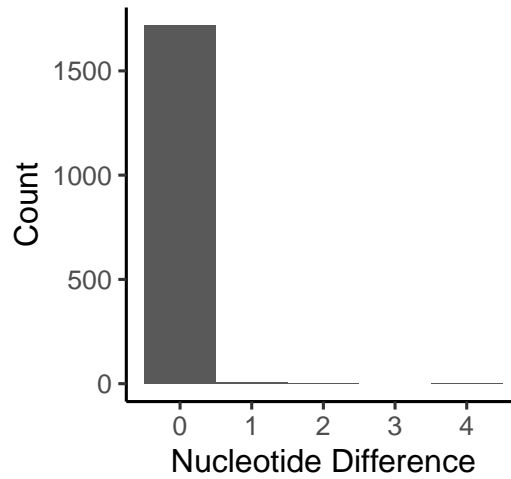
TRBV21-1*ap01

3222 sequences assigned
3183 (98.8%) exact matches, in which:
3168 unique CDR3
13 unique J



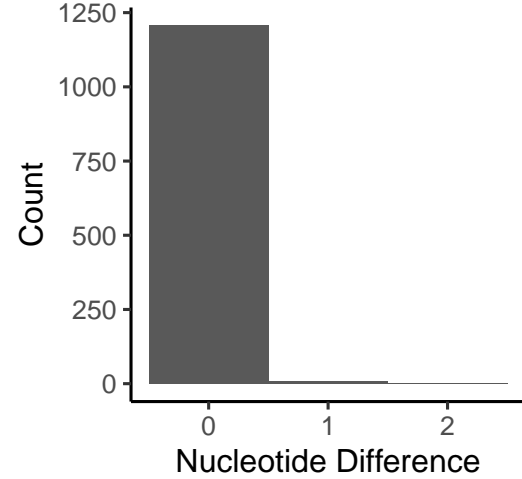
TRBV11-3*ap01

1729 sequences assigned
1718 (99.4%) exact matches, in which:
1711 unique CDR3
13 unique J



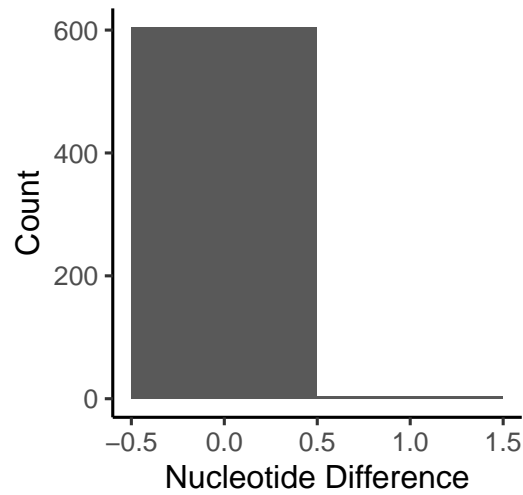
TRBV12-5*ap01

1218 sequences assigned
1207 (99.1%) exact matches, in which:
1194 unique CDR3
13 unique J



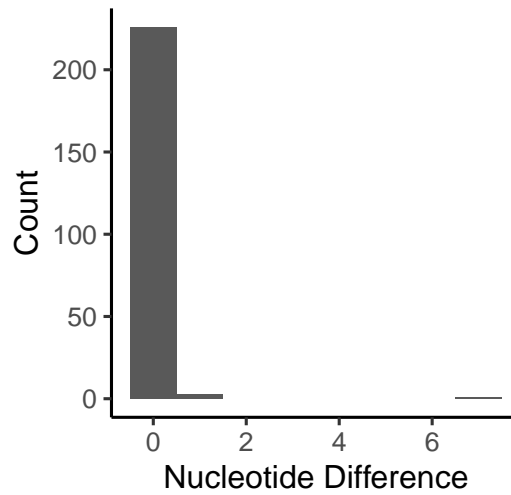
TRBV11-1*ap01

609 sequences assigned
605 (99.3%) exact matches, in which:
604 unique CDR3
13 unique J



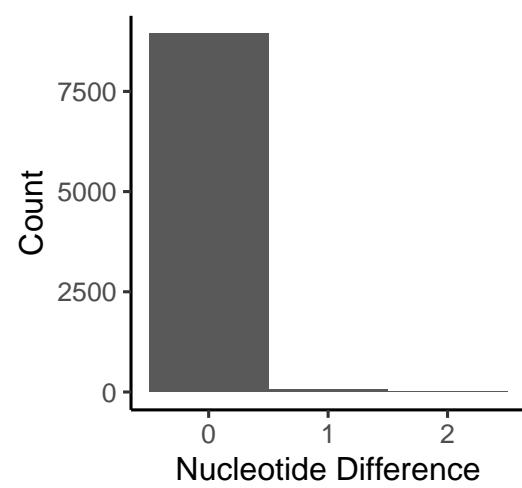
TRBV12-1*ap01

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



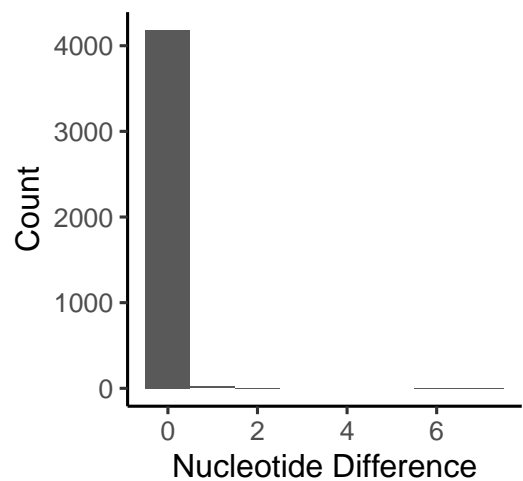
TRBV12-34*ap01

9013 sequences assigned
8939 (99.2%) exact matches, in which:
8890 unique CDR3
13 unique J



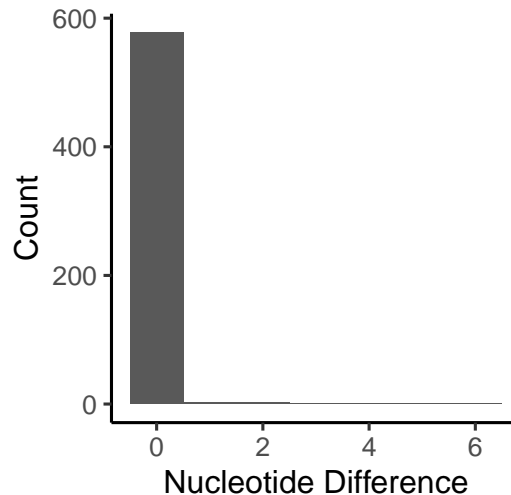
TRBV11-2*ap01

4207 sequences assigned
4183 (99.4%) exact matches, in which:
4176 unique CDR3
13 unique J



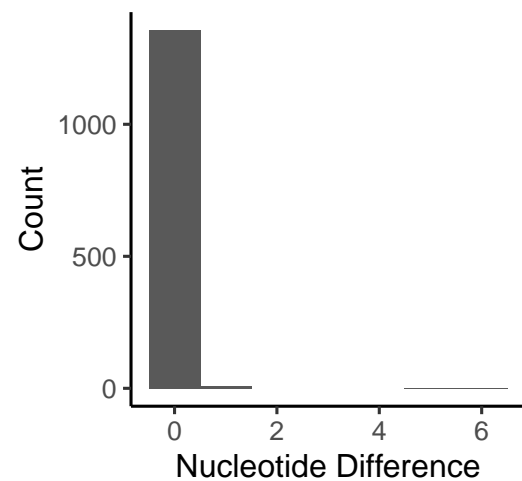
TRBV12-2*ap01

587 sequences assigned
578 (98.5%) exact matches, in which:
575 unique CDR3
13 unique J



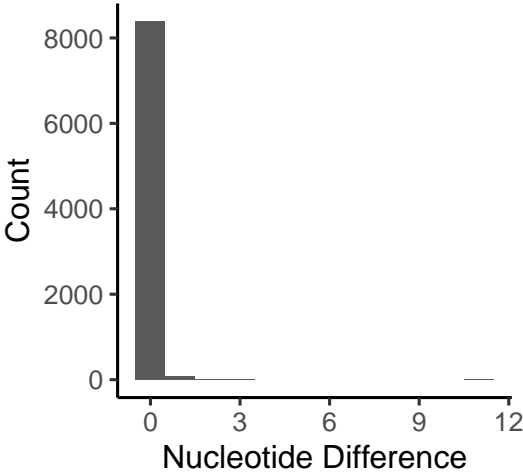
TRBV23-1*ap01

1368 sequences assigned
1357 (99.2%) exact matches, in which:
1346 unique CDR3
13 unique J



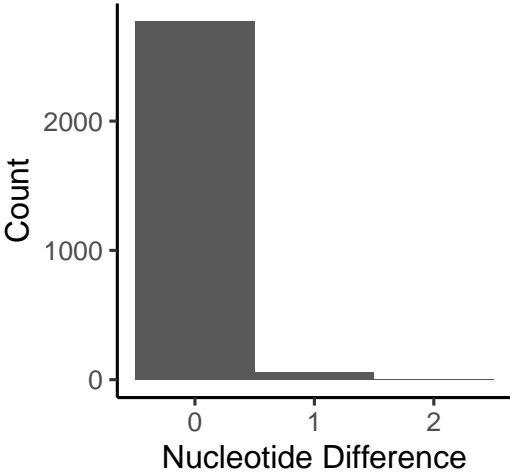
TRBV3-12*ap01

8477 sequences assigned
8387 (98.9%) exact matches, in which:
8354 unique CDR3
13 unique J



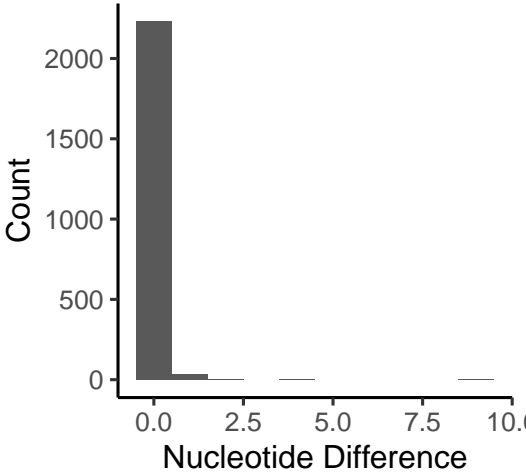
TRBV4-2*ap01

2829 sequences assigned
2771 (97.9%) exact matches, in which:
2752 unique CDR3
14 unique J



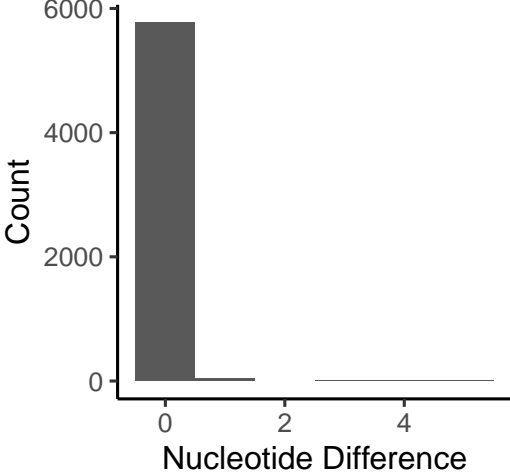
TRBV25-1*ap01

2273 sequences assigned
2231 (98.2%) exact matches, in which:
2208 unique CDR3
13 unique J



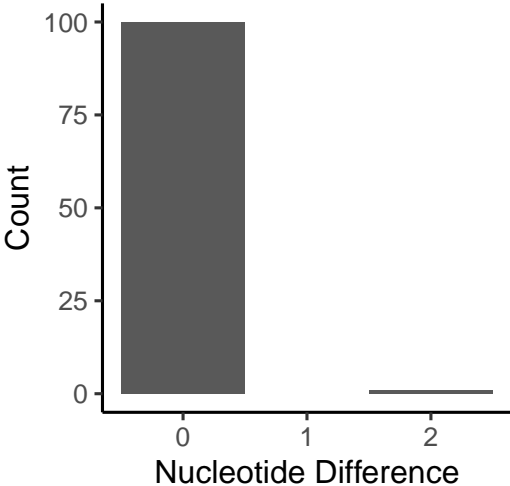
TRBV4-1*ap01

5816 sequences assigned
5770 (99.2%) exact matches, in which:
5727 unique CDR3
13 unique J



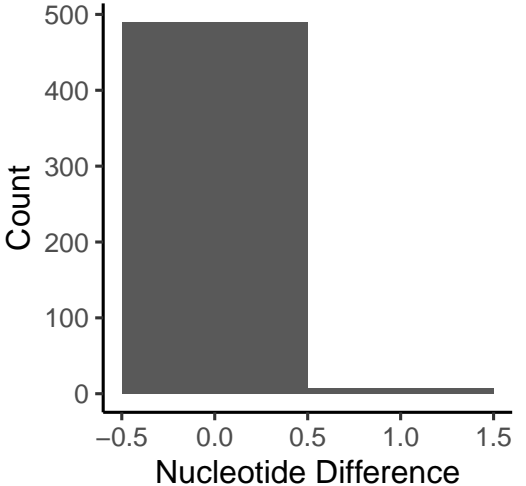
TRBV4-3*ap01

101 sequences assigned
100 (99%) exact matches, in which:
100 unique CDR3
13 unique J



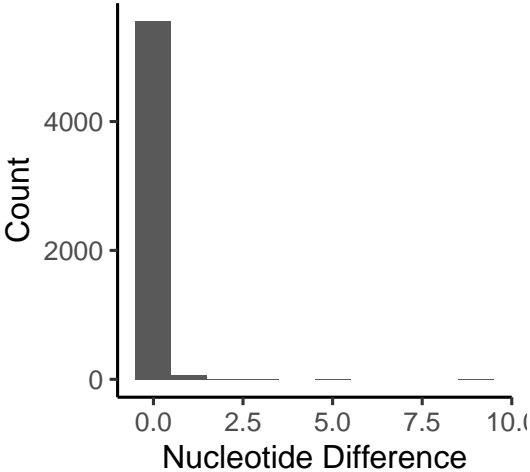
TRBV5-3*ap01

497 sequences assigned
490 (98.6%) exact matches, in which:
486 unique CDR3
13 unique J



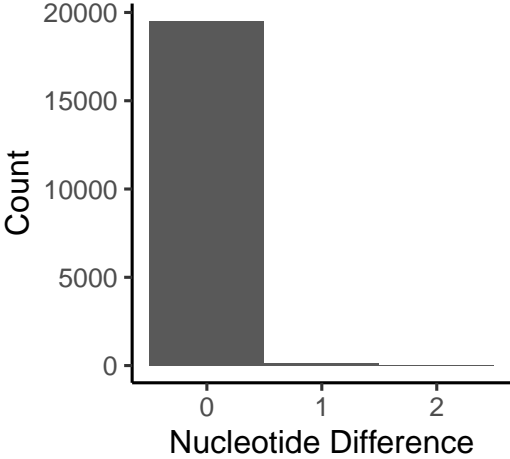
TRBV24-1*ap01

5628 sequences assigned
5559 (98.8%) exact matches, in which:
5515 unique CDR3
13 unique J



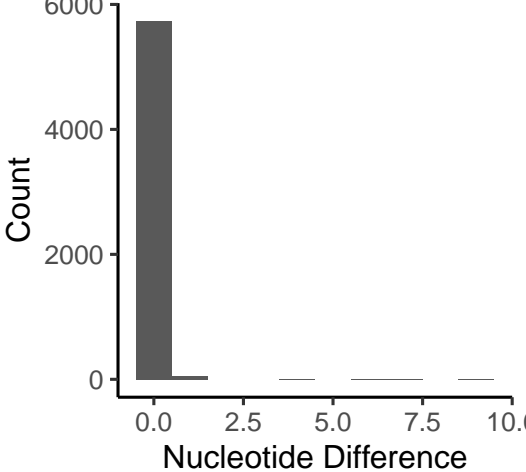
TRBV5-1*ap01

19685 sequences assigned
19529 (99.2%) exact matches, in which:
19367 unique CDR3
13 unique J



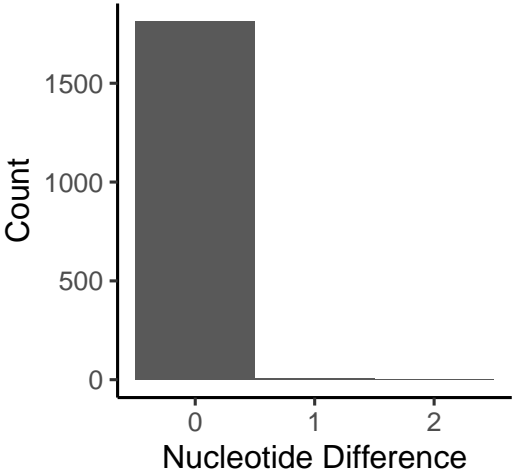
TRBV5-4*ap01

5790 sequences assigned
5734 (99%) exact matches, in which:
5700 unique CDR3
13 unique J



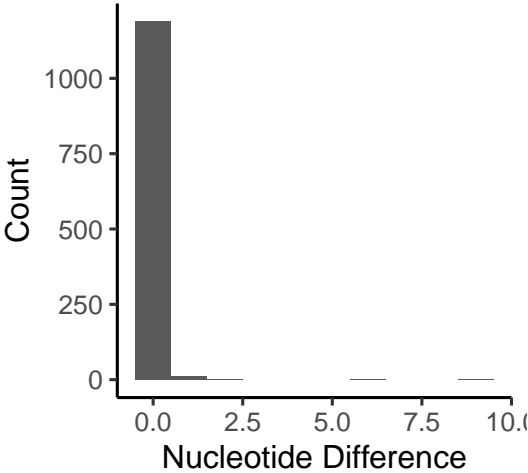
TRBV5-5*ap01

1823 sequences assigned
1813 (99.5%) exact matches, in which:
1803 unique CDR3
13 unique J



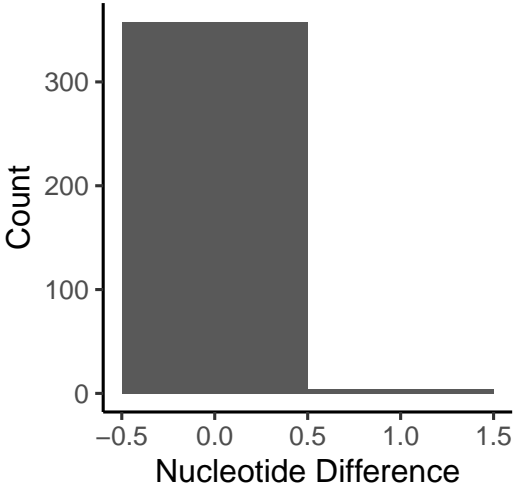
TRBV5-8*ap01

1204 sequences assigned
1189 (98.8%) exact matches, in which:
1188 unique CDR3
13 unique J



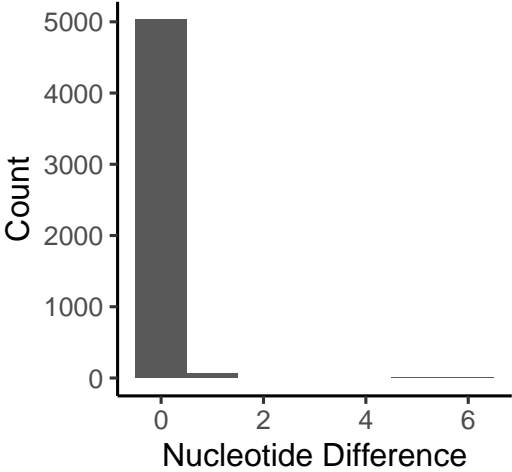
TRBV6-7*ap01

362 sequences assigned
358 (98.9%) exact matches, in which:
355 unique CDR3
13 unique J



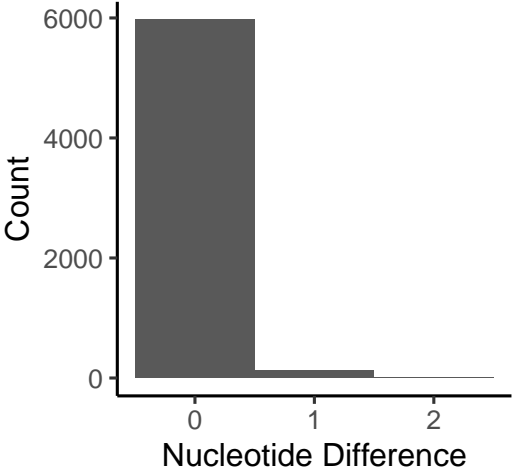
TRBV5-6*ap01

5091 sequences assigned
5029 (98.8%) exact matches, in which:
4953 unique CDR3
13 unique J



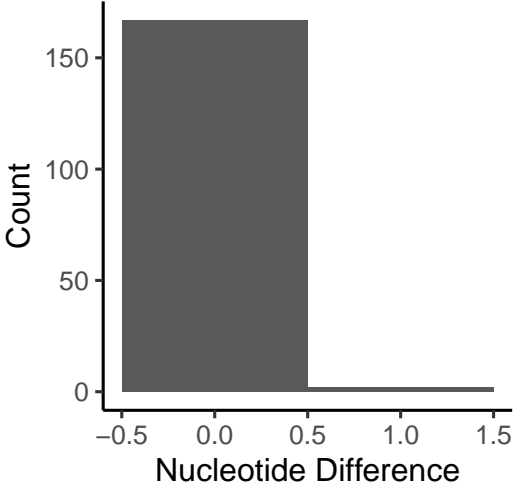
TRBV6-1*ap01

6101 sequences assigned
5970 (97.9%) exact matches, in which:
5901 unique CDR3
14 unique J



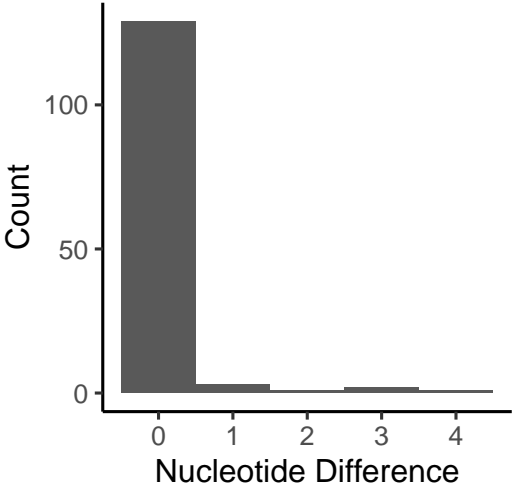
TRBV6-8*ap01

169 sequences assigned
167 (98.8%) exact matches, in which:
163 unique CDR3
13 unique J



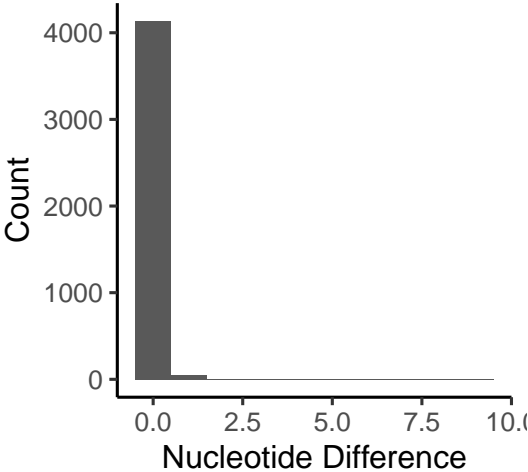
TRBV5-7*ap01

136 sequences assigned
129 (94.9%) exact matches, in which:
128 unique CDR3
12 unique J



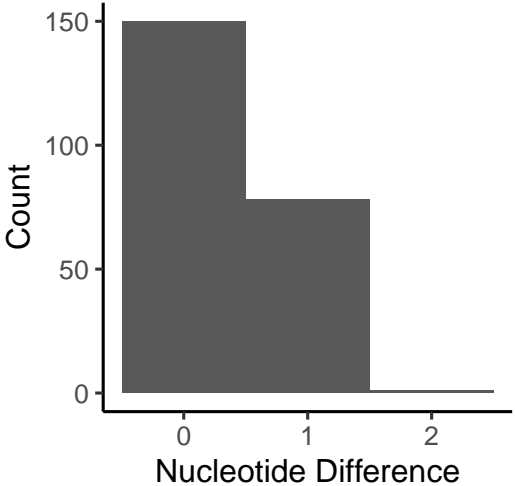
TRBV6-4*ap01

4197 sequences assigned
4135 (98.5%) exact matches, in which:
4110 unique CDR3
13 unique J



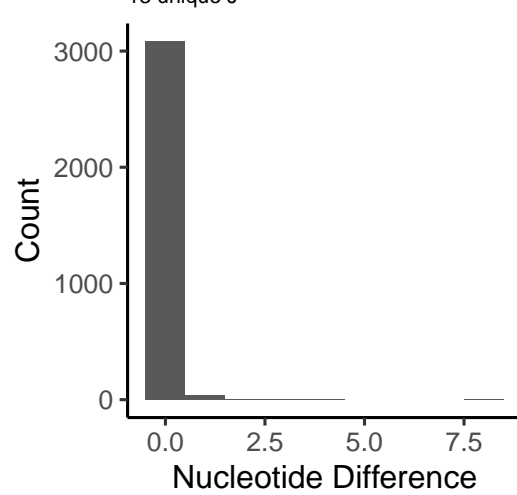
TRBV6-9*ap01

229 sequences assigned
150 (65.5%) exact matches, in which:
149 unique CDR3
13 unique J



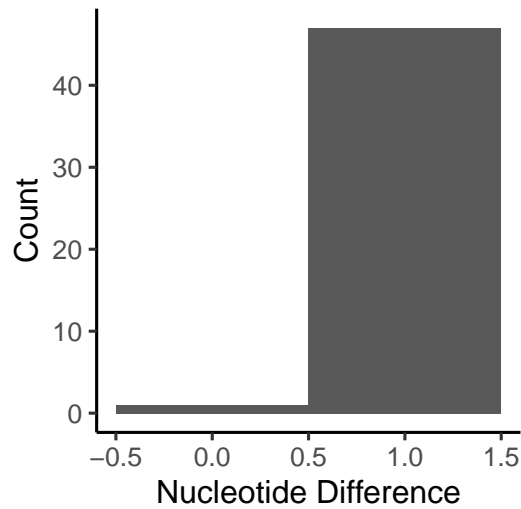
TRBV6-23*ap01

3122 sequences assigned
3083 (98.8%) exact matches, in which:
3024 unique CDR3
13 unique J



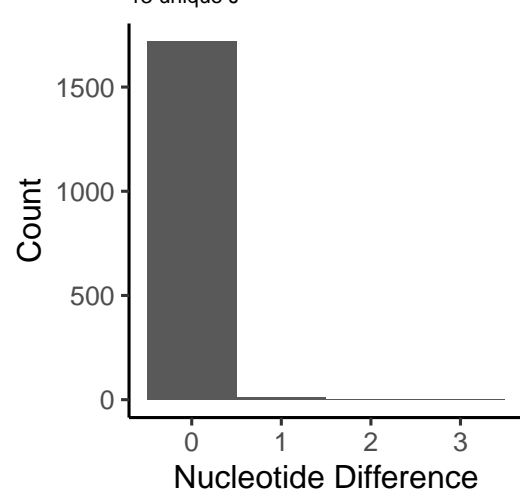
TRBV7-1*ap01_T296C

48 sequences assigned
1 (2.1%) exact matches, in which:
1 unique CDR3
1 unique J



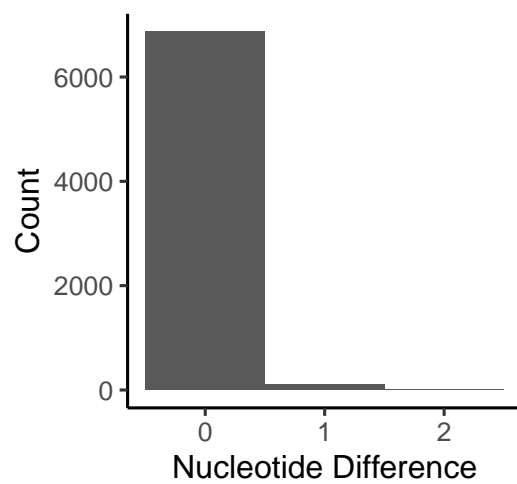
TRBV7-3*ap03

1732 sequences assigned
1719 (99.2%) exact matches, in which:
1712 unique CDR3
13 unique J



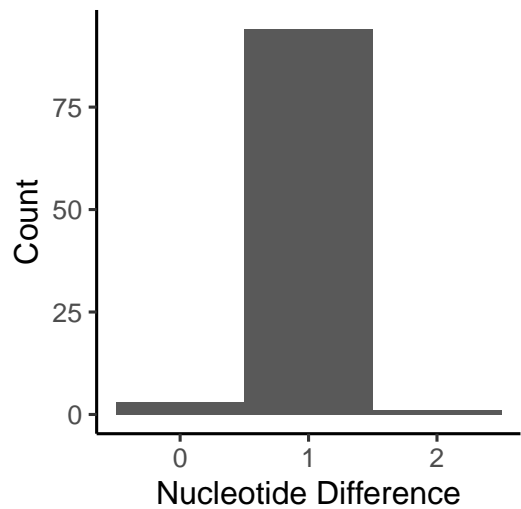
TRBV6-56*ap01

6969 sequences assigned
6868 (98.6%) exact matches, in which:
6797 unique CDR3
13 unique J



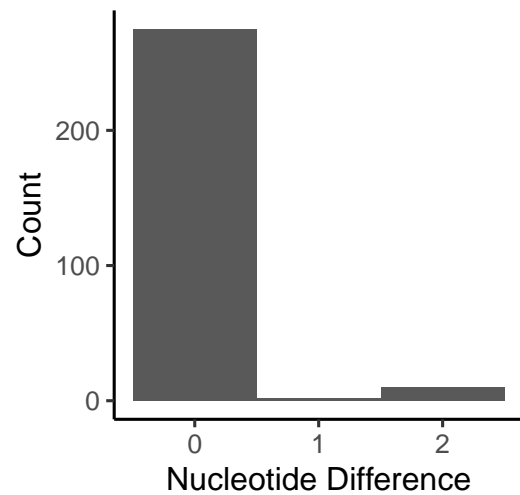
TRBV7-1*ap01_T296C_C

98 sequences assigned
3 (3.1%) exact matches, in which:
3 unique CDR3
3 unique J



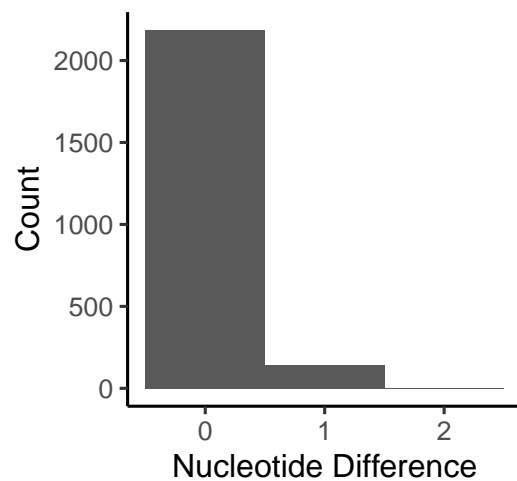
TRBV7-4*ap01

287 sequences assigned
275 (95.8%) exact matches, in which:
272 unique CDR3
13 unique J



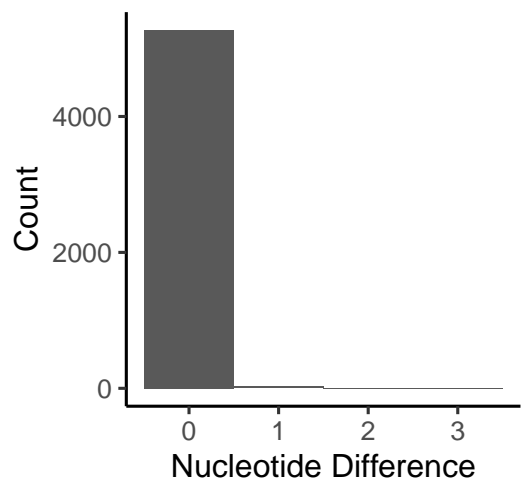
TRBV6-56*ap02

2331 sequences assigned
2186 (93.8%) exact matches, in which:
2160 unique CDR3
13 unique J



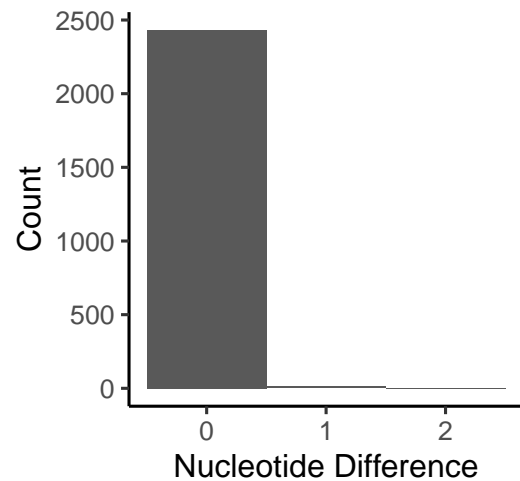
TRBV7-2*ap01

5303 sequences assigned
5272 (99.4%) exact matches, in which:
5253 unique CDR3
13 unique J



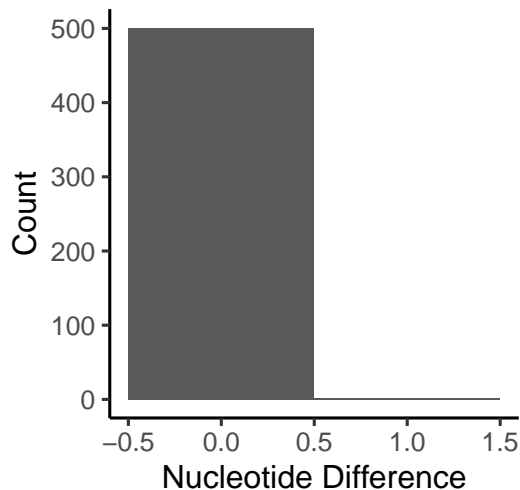
TRBV7-6*ap01

2445 sequences assigned
2432 (99.5%) exact matches, in which:
2421 unique CDR3
13 unique J



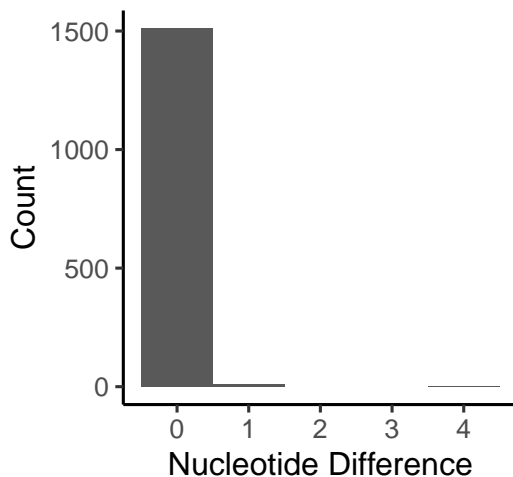
TRBV7-7*ap01

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



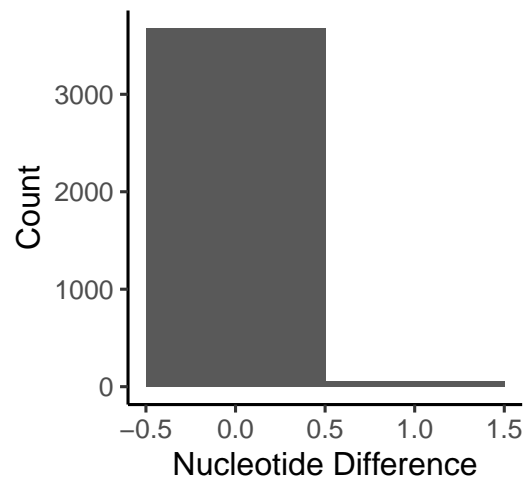
TRBV7-8*ap02

1522 sequences assigned
1511 (99.3%) exact matches, in which:
1496 unique CDR3
13 unique J



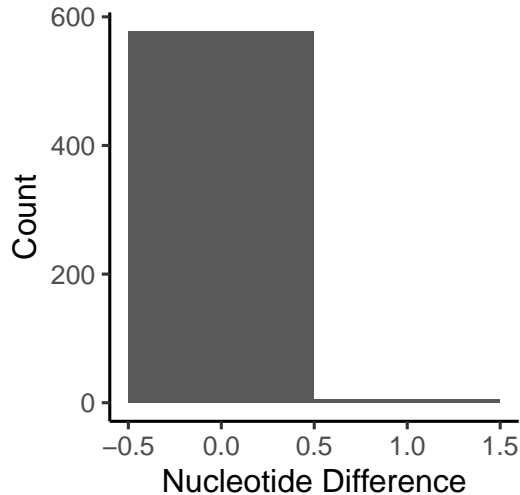
TRBV29-1*ap01

3732 sequences assigned
3676 (98.5%) exact matches, in which:
3635 unique CDR3
13 unique J



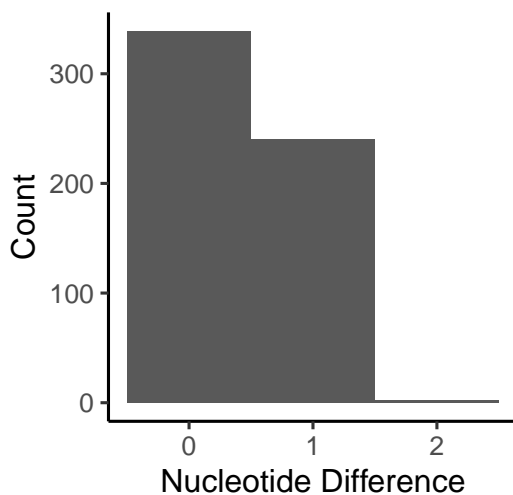
TRBV7-7*ap01_C315T

583 sequences assigned
578 (99.1%) exact matches, in which:
577 unique CDR3
13 unique J



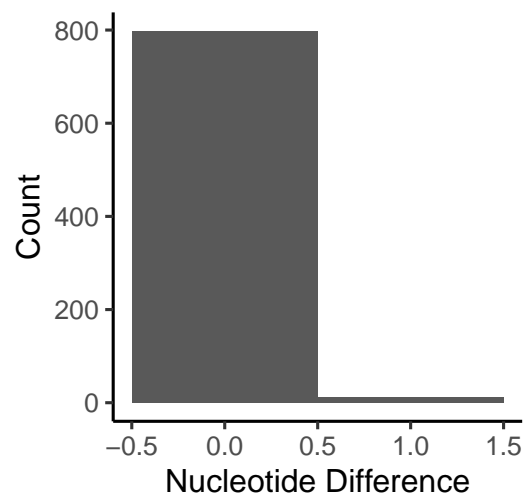
TRBV7-8*ap03

581 sequences assigned
339 (58.3%) exact matches, in which:
337 unique CDR3
13 unique J



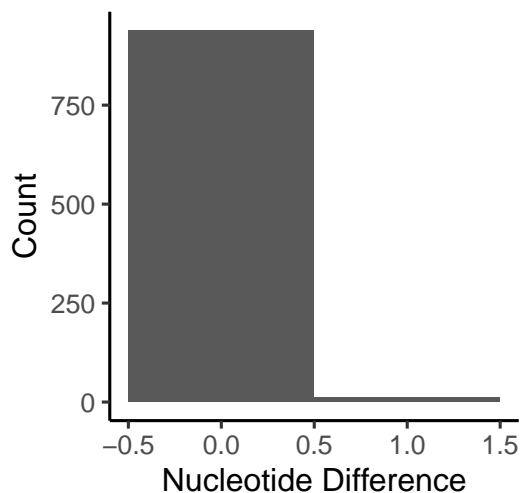
TRBV29-1*ap02

809 sequences assigned
798 (98.6%) exact matches, in which:
792 unique CDR3
13 unique J



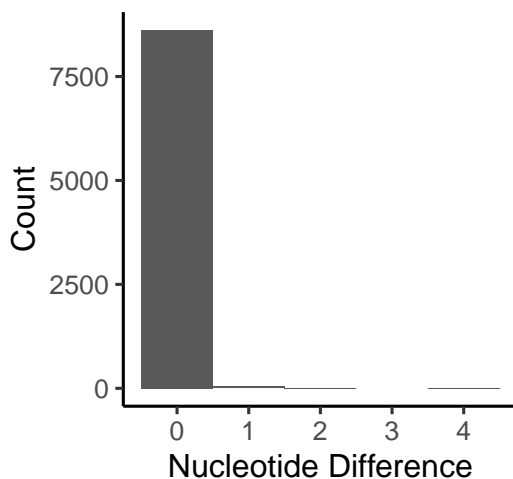
TRBV7-8*ap01

950 sequences assigned
939 (98.8%) exact matches, in which:
933 unique CDR3
13 unique J

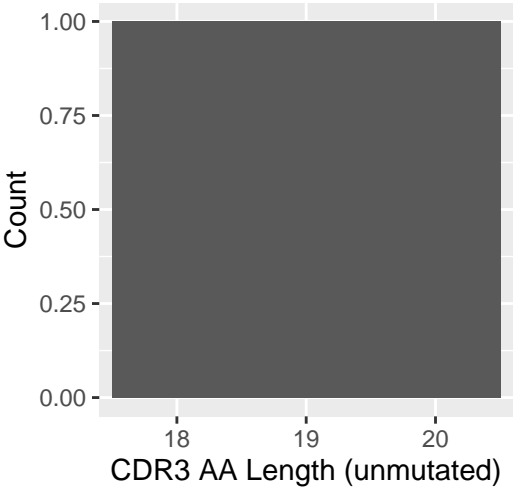


TRBV7-9*ap01

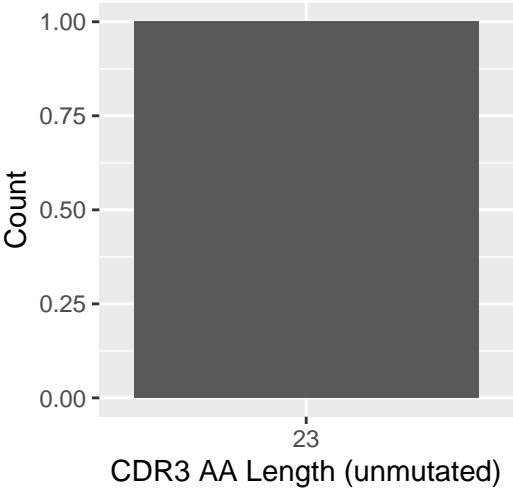
8667 sequences assigned
8617 (99.4%) exact matches, in which:
8582 unique CDR3
13 unique J



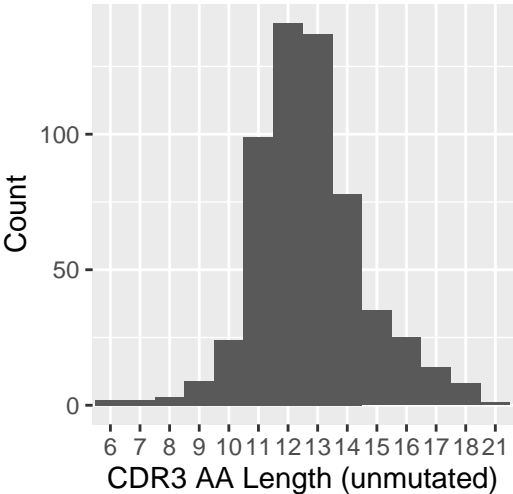
TRBV7-1*ap01_T296C_C314T

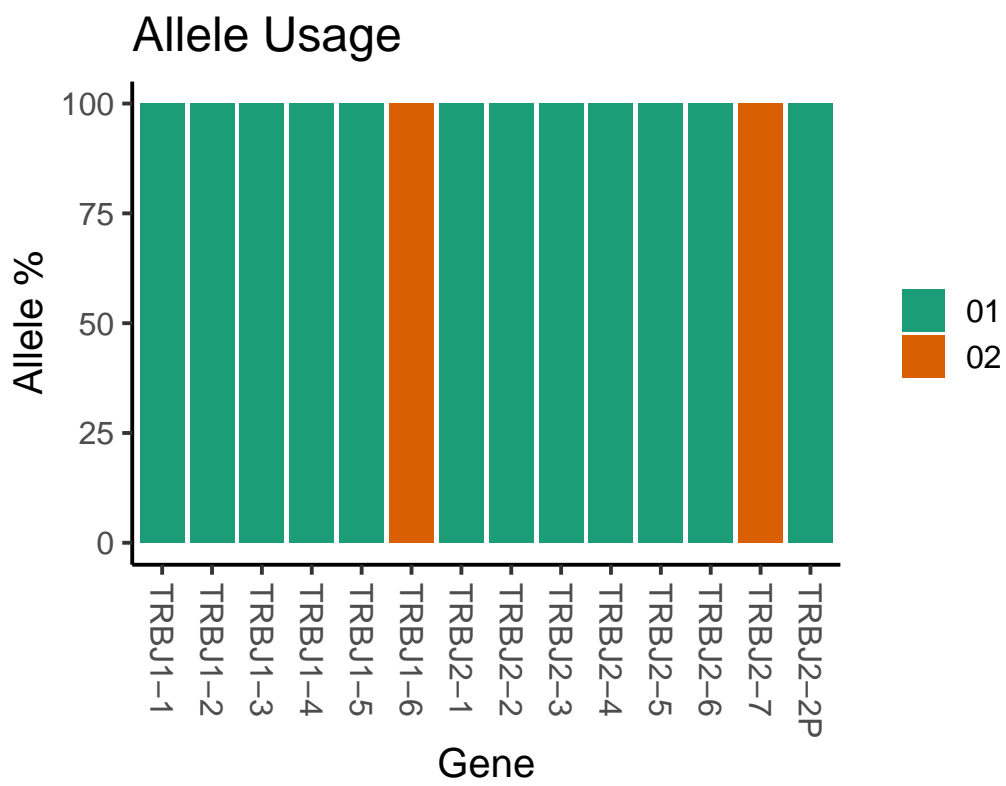


TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]