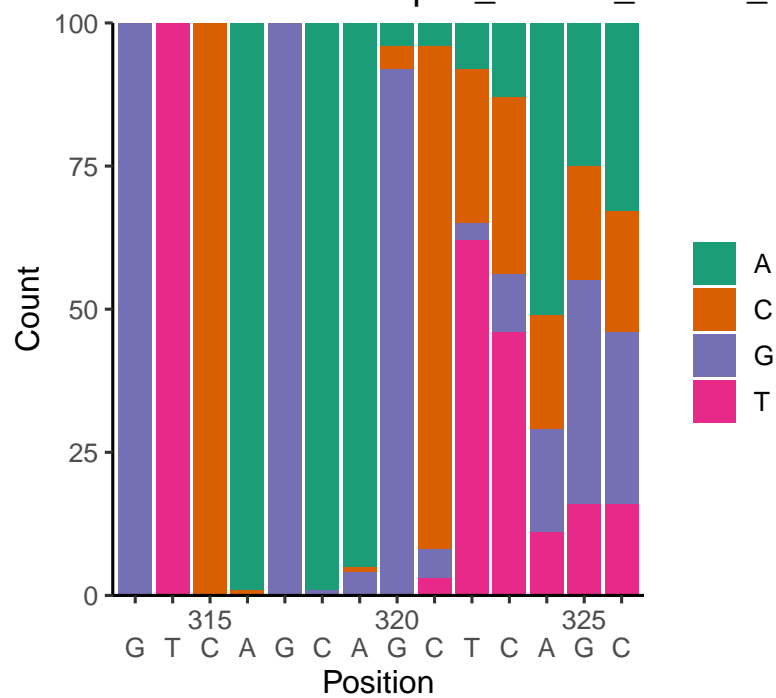
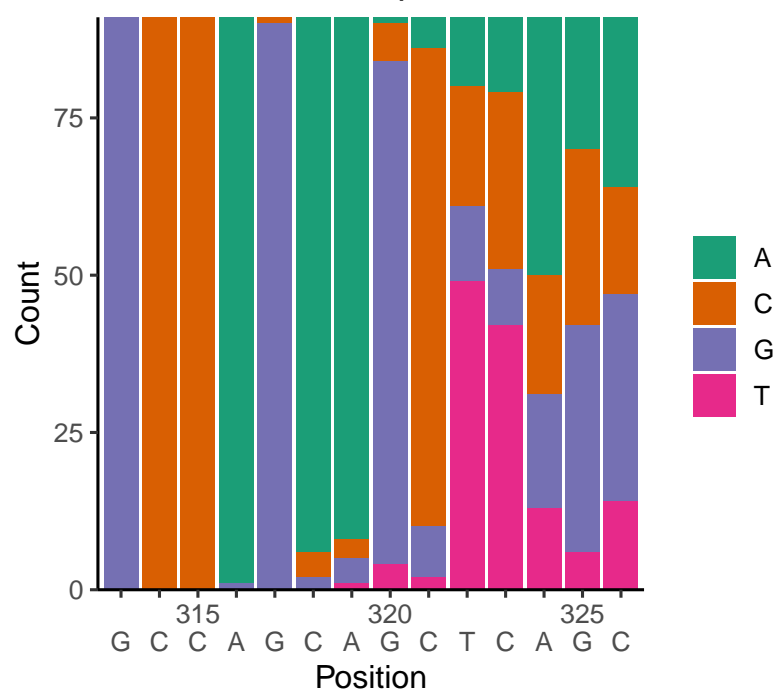


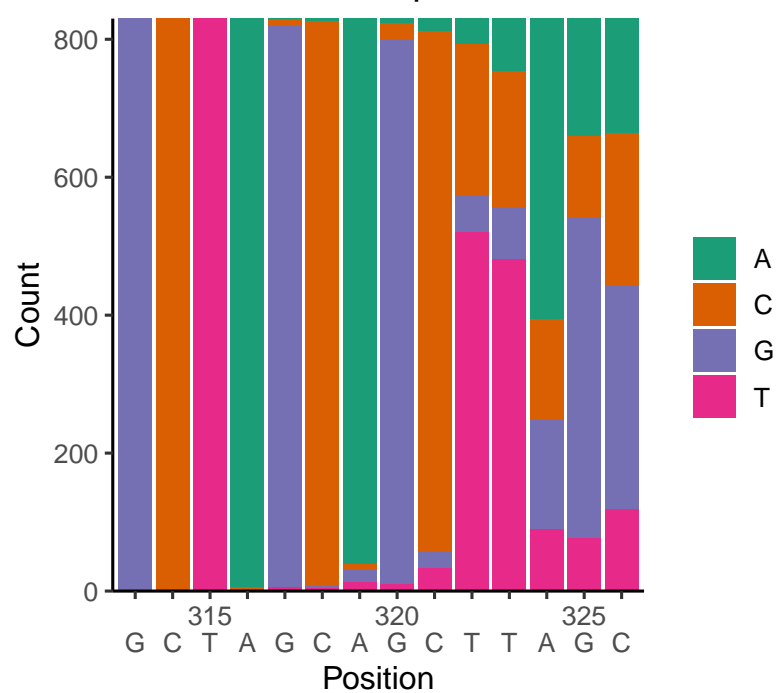
Gene TRBV7-1*ap01_G291C_T296C_C314T



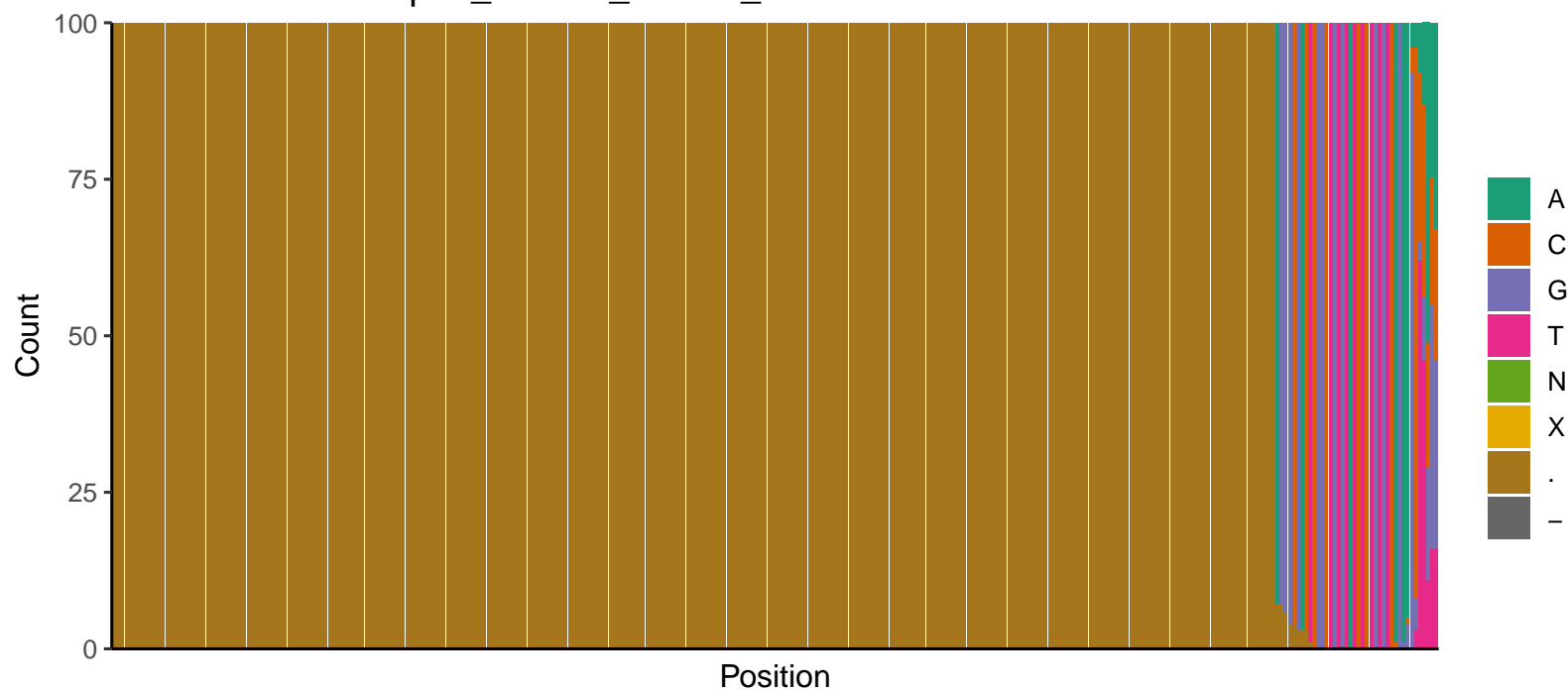
Gene TRBV7-1*ap01_G291C_T296C



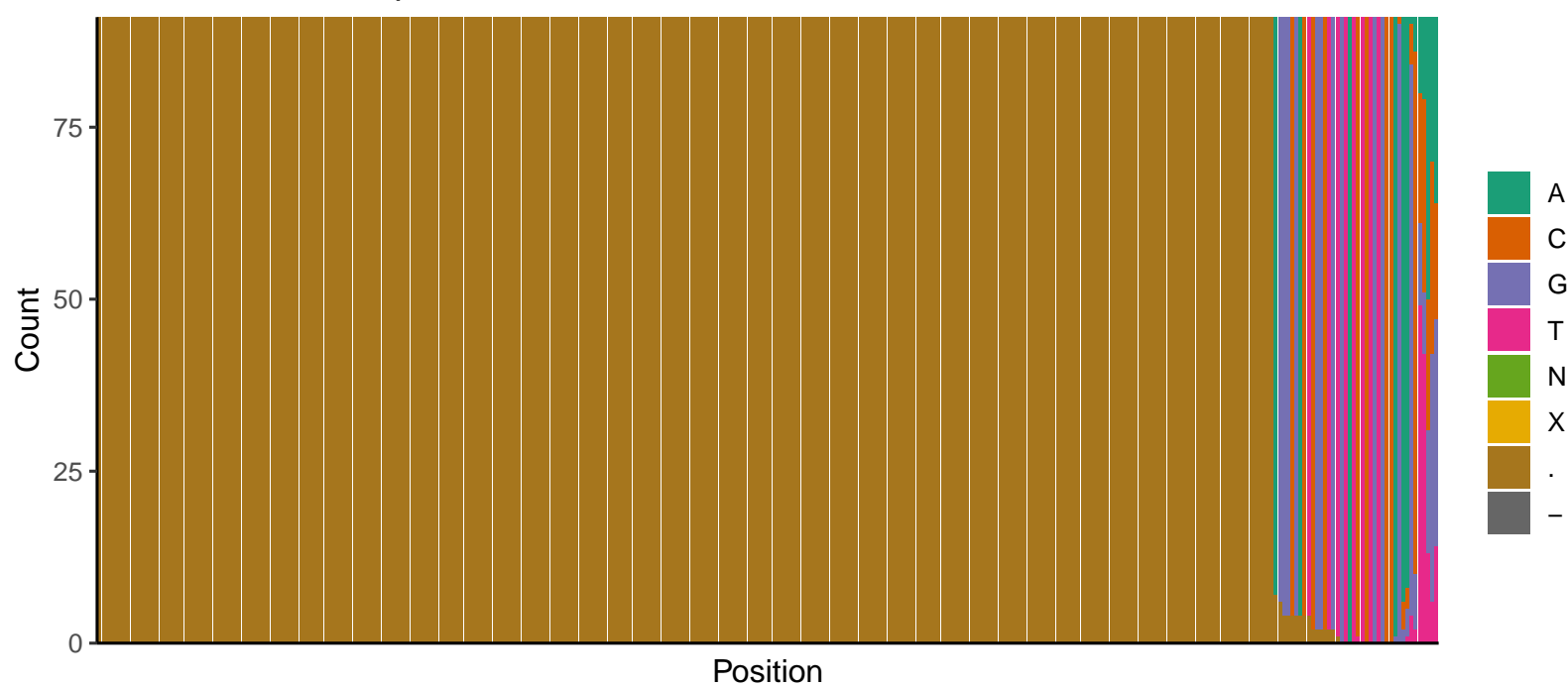
Gene TRBV7-7*ap01_C315T



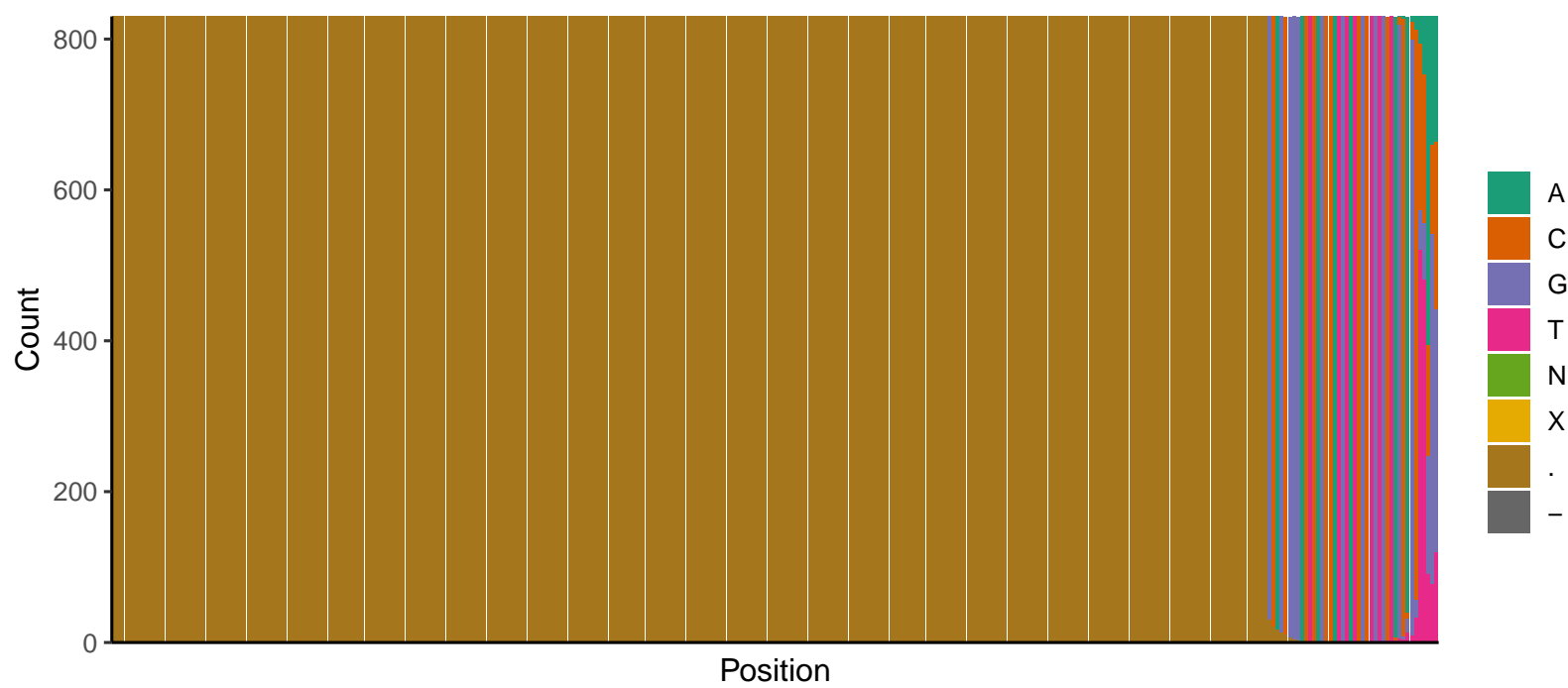
Gene TRBV7-1*ap01_G291C_T296C_C314T



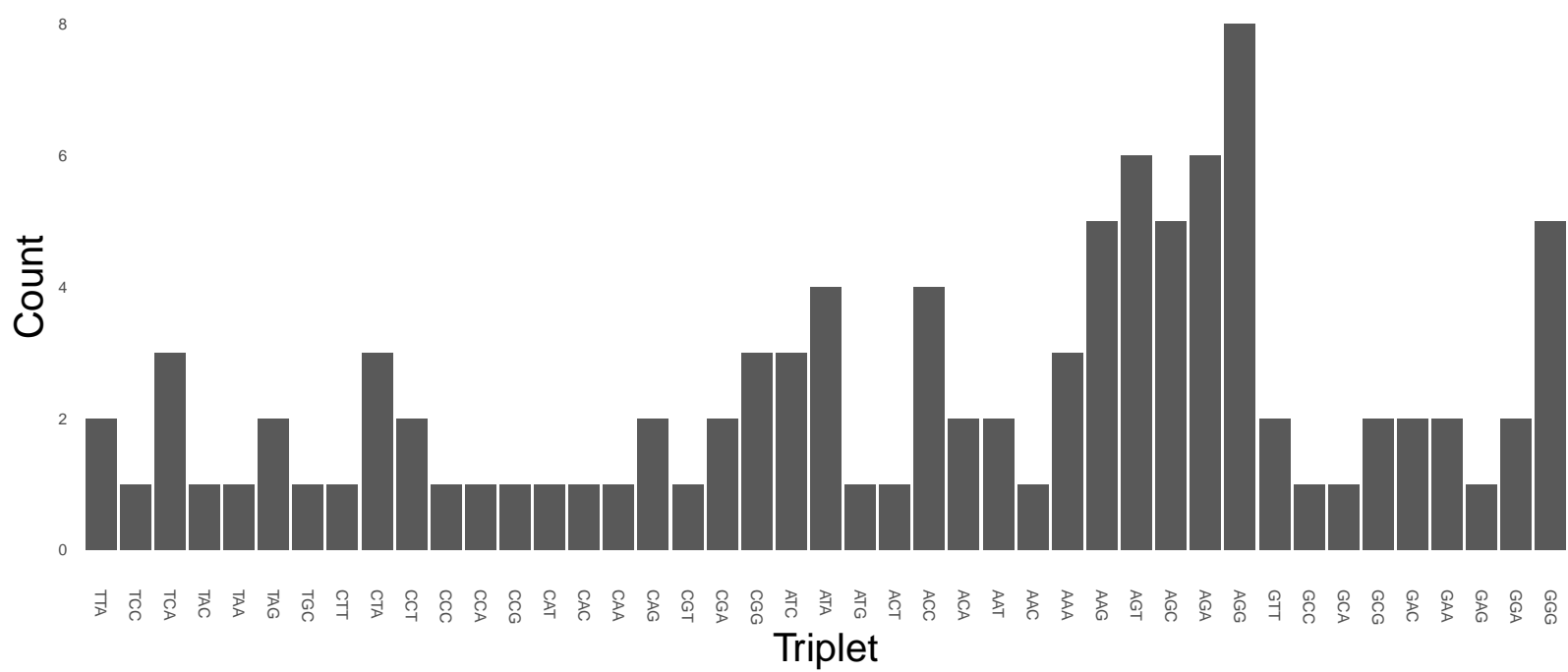
Gene TRBV7-1*ap01_G291C_T296C



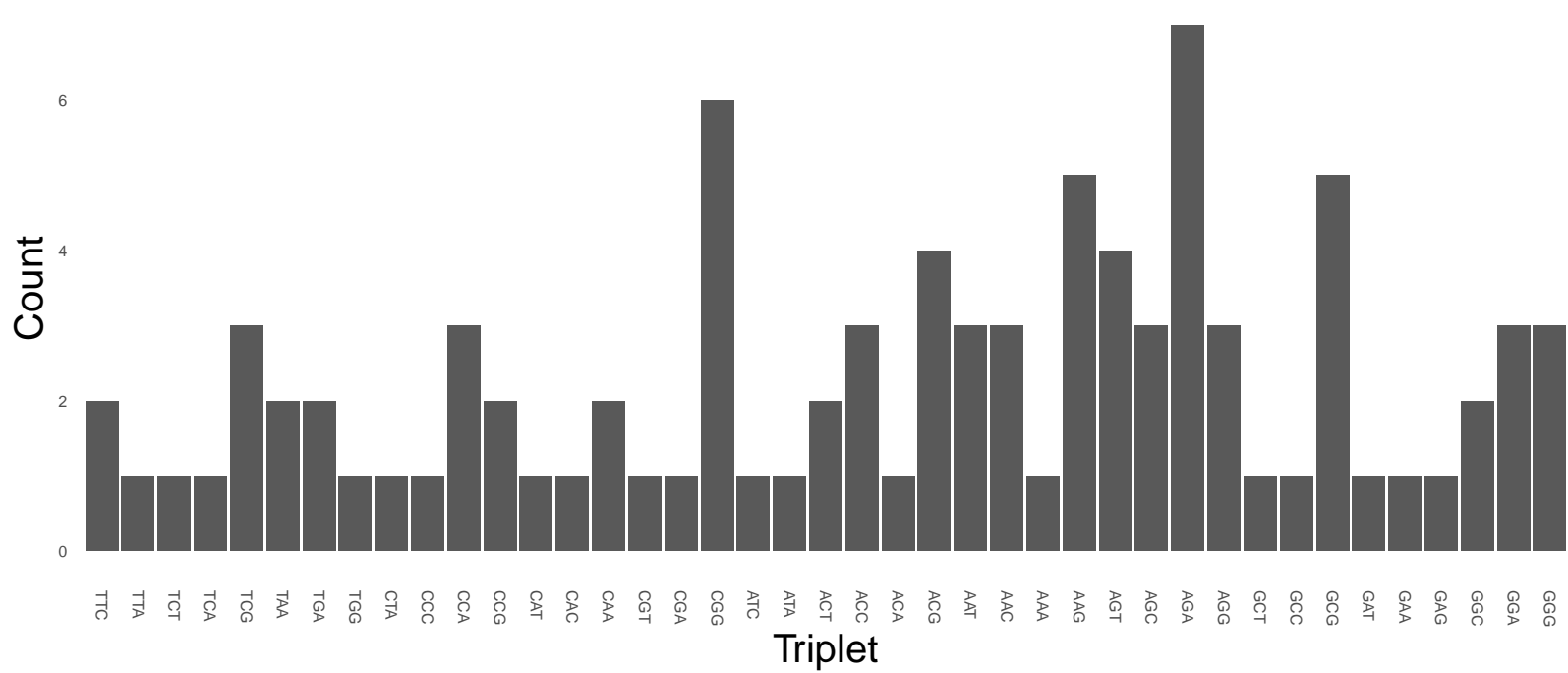
Gene TRBV7-7*ap01_C315T



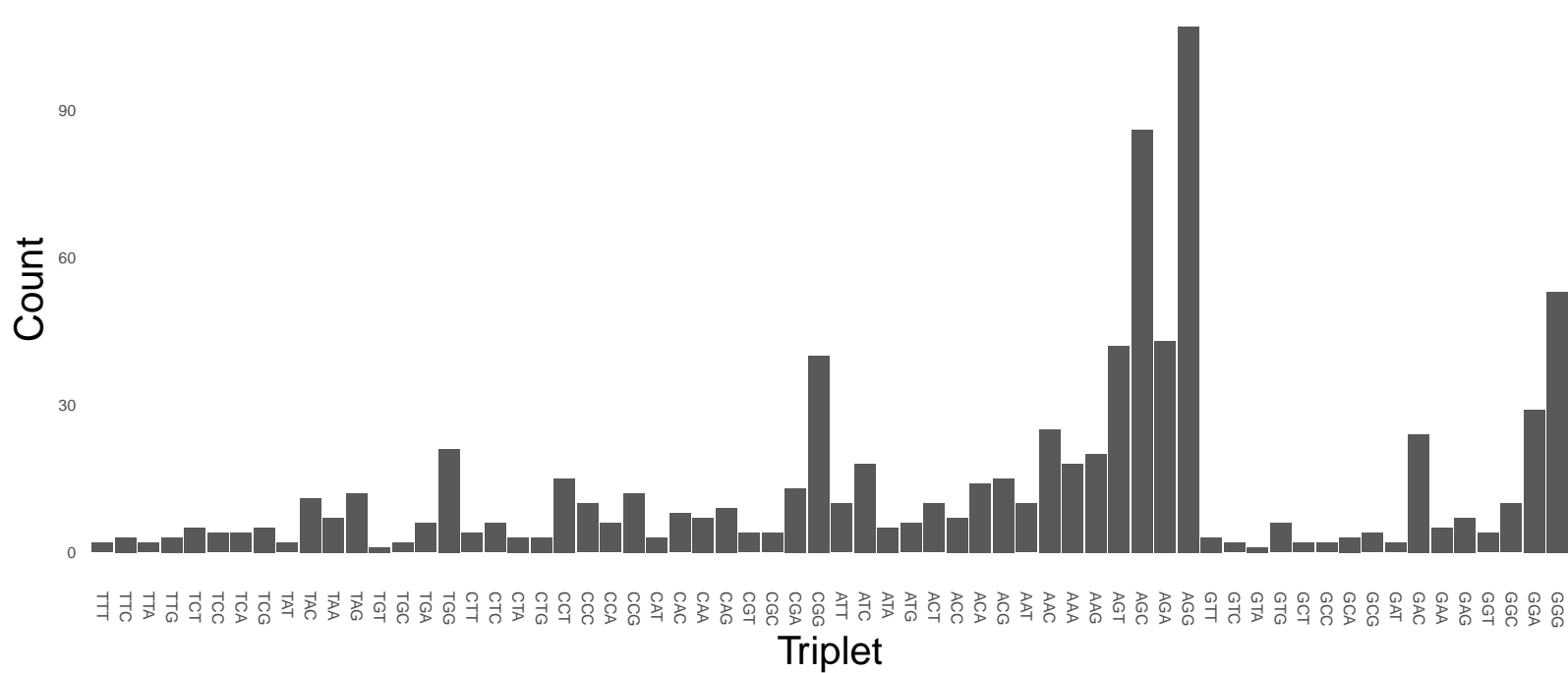
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

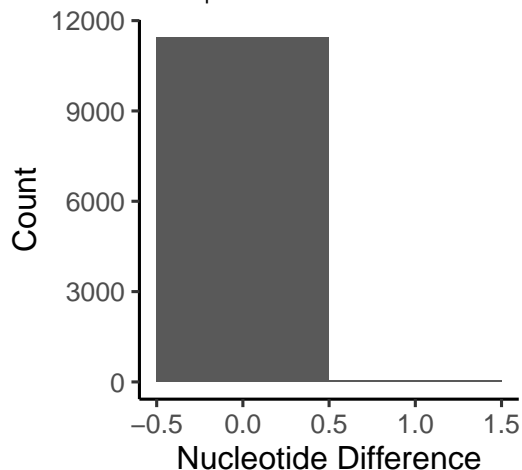


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



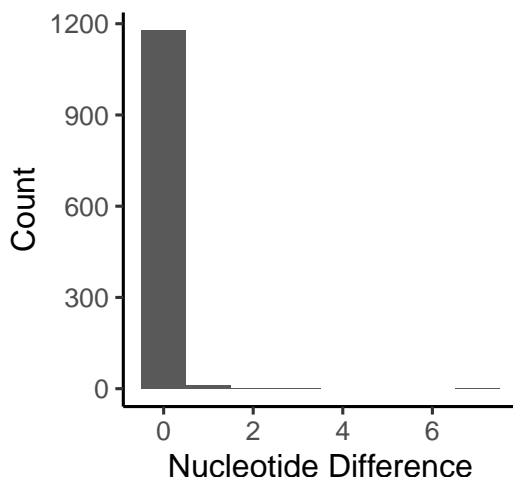
TRBV20-1*ap01

11512 sequences assigned
11451 (99.5%) exact matches, in which:
11371 unique CDR3
13 unique J



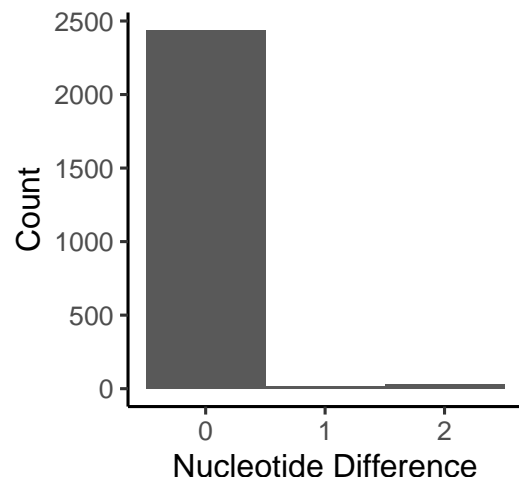
TRBV10-2*ap01

1192 sequences assigned
1178 (98.8%) exact matches, in which:
1161 unique CDR3
13 unique J



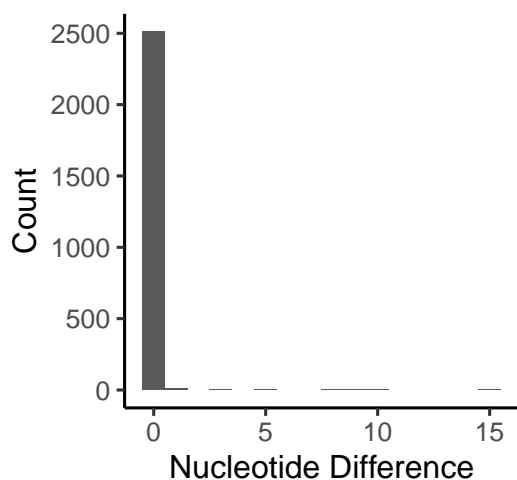
TRBV13*ap01

2482 sequences assigned
2436 (98.1%) exact matches, in which:
2392 unique CDR3
13 unique J



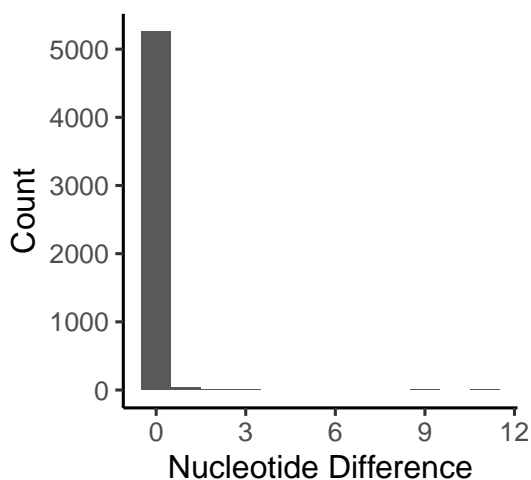
TRBV10-1*ap01

2530 sequences assigned
2511 (99.2%) exact matches, in which:
2498 unique CDR3
13 unique J



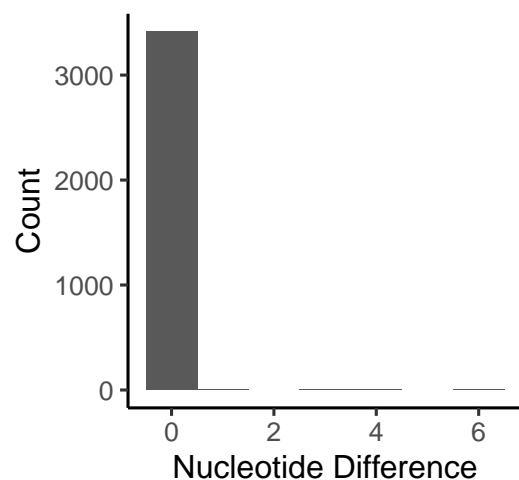
TRBV10-3*ap01

5292 sequences assigned
5256 (99.3%) exact matches, in which:
5214 unique CDR3
13 unique J



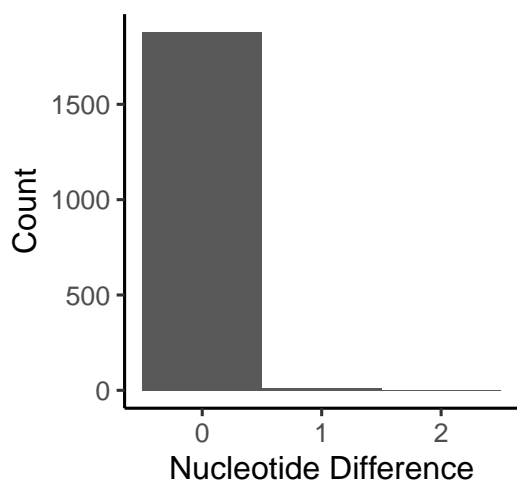
TRBV14*ap01

3425 sequences assigned
3413 (99.6%) exact matches, in which:
3391 unique CDR3
13 unique J



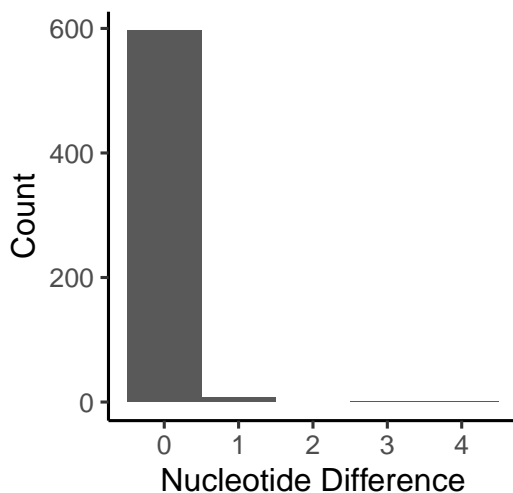
TRBV20-1*ap02

1891 sequences assigned
1879 (99.4%) exact matches, in which:
1859 unique CDR3
13 unique J



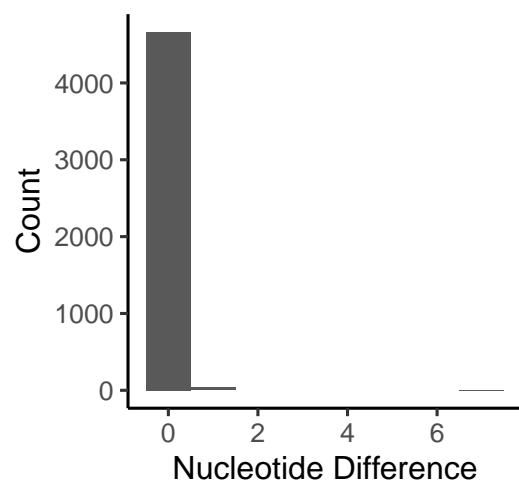
TRBV1*ap01

607 sequences assigned
597 (98.4%) exact matches, in which:
585 unique CDR3
13 unique J



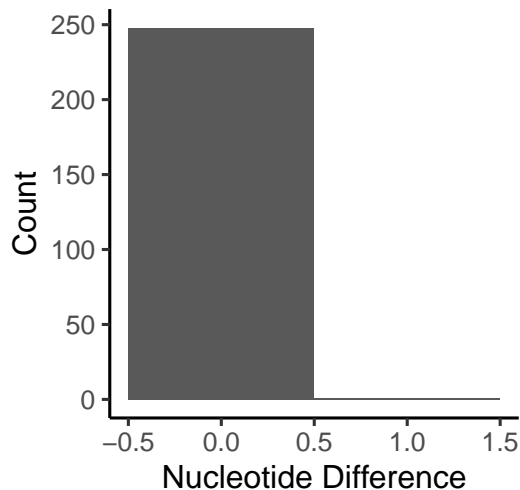
TRBV15*ap02

4701 sequences assigned
4662 (99.2%) exact matches, in which:
4592 unique CDR3
13 unique J



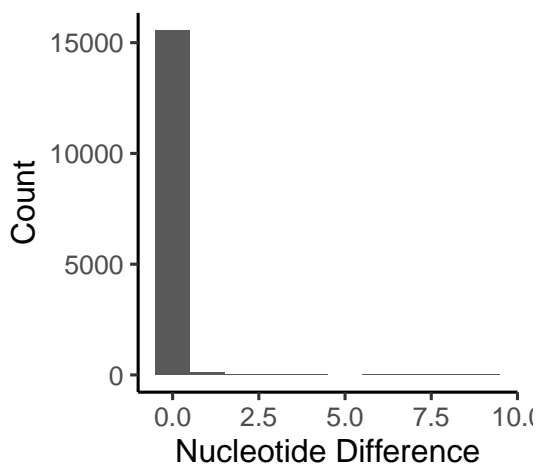
TRBV16*ap01

249 sequences assigned
248 (99.6%) exact matches, in which:
247 unique CDR3
13 unique J



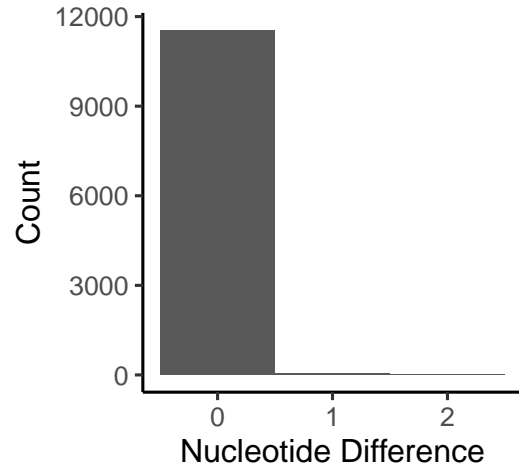
TRBV19*ap01

15672 sequences assigned
15565 (99.3%) exact matches, in which:
15500 unique CDR3
13 unique J



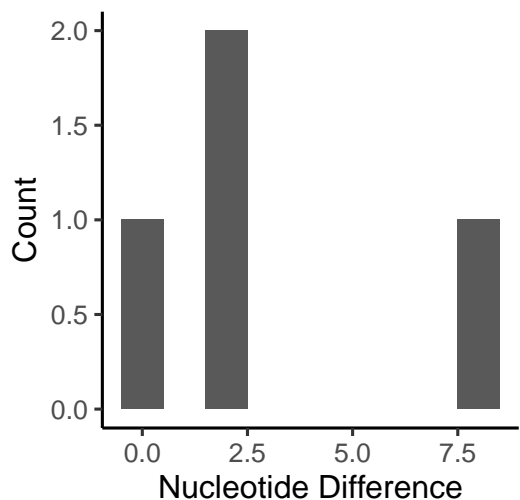
TRBV28*ap01

11601 sequences assigned
11546 (99.5%) exact matches, in which:
11454 unique CDR3
13 unique J



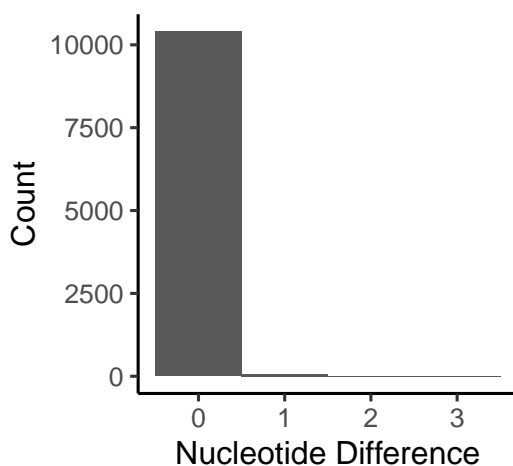
TRBV17*ap01

4 sequences assigned
1 (25%) exact matches, in which:
1 unique CDR3
1 unique J



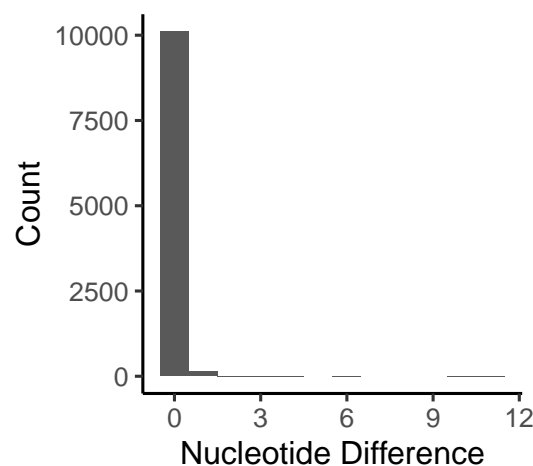
TRBV2*ap01

10474 sequences assigned
10403 (99.3%) exact matches, in which:
10306 unique CDR3
13 unique J



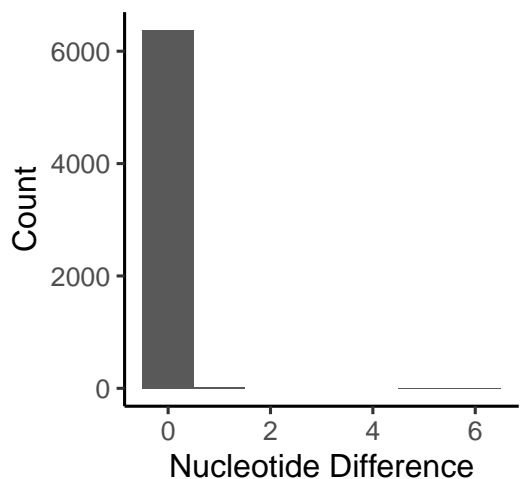
TRBV30*ap01

10264 sequences assigned
10110 (98.5%) exact matches, in which:
9877 unique CDR3
13 unique J



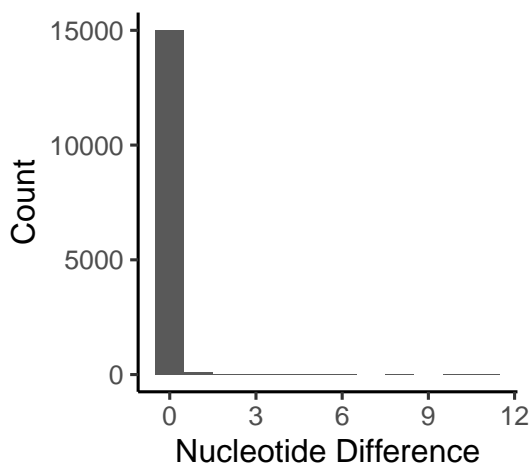
TRBV18*ap01

6398 sequences assigned
6377 (99.7%) exact matches, in which:
6348 unique CDR3
13 unique J



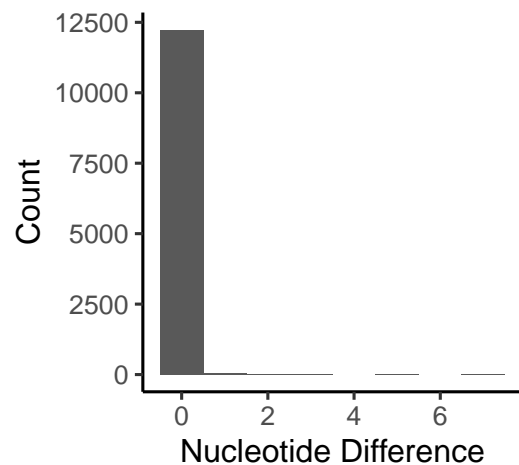
TRBV27*ap01

15136 sequences assigned
15024 (99.3%) exact matches, in which:
14848 unique CDR3
13 unique J



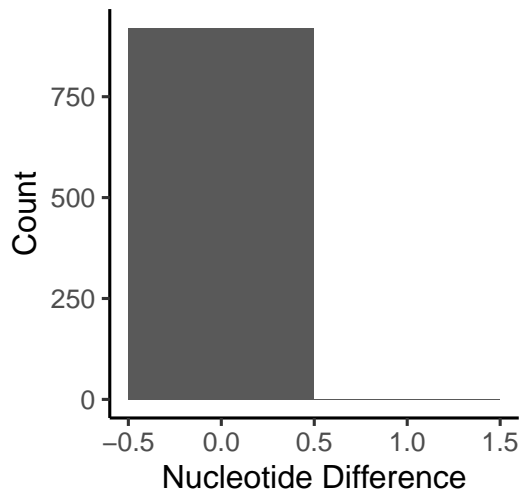
TRBV9*ap01

12298 sequences assigned
12235 (99.5%) exact matches, in which:
12146 unique CDR3
13 unique J



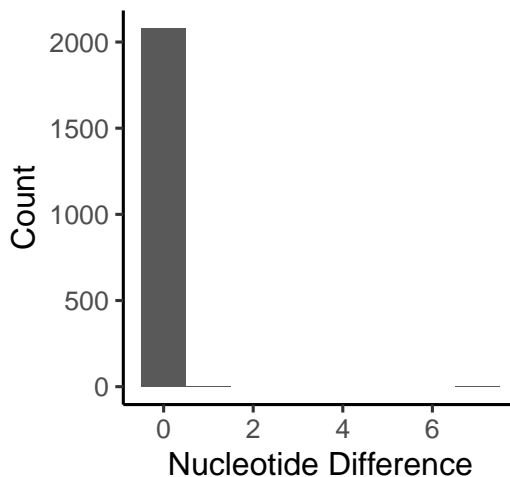
TRBV11-1*ap01

923 sequences assigned
921 (99.8%) exact matches, in which:
912 unique CDR3
13 unique J



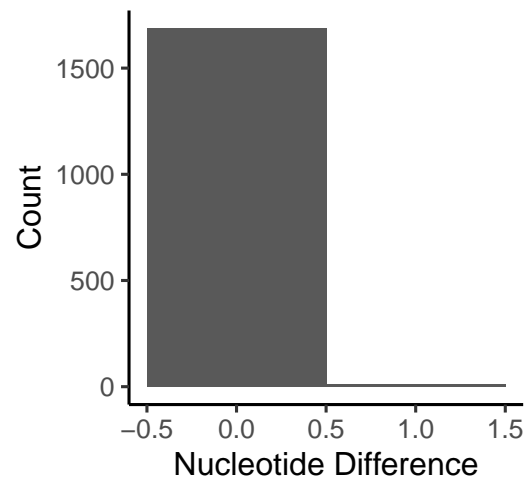
TRBV11-3*ap01

2085 sequences assigned
2079 (99.7%) exact matches, in which:
2072 unique CDR3
13 unique J



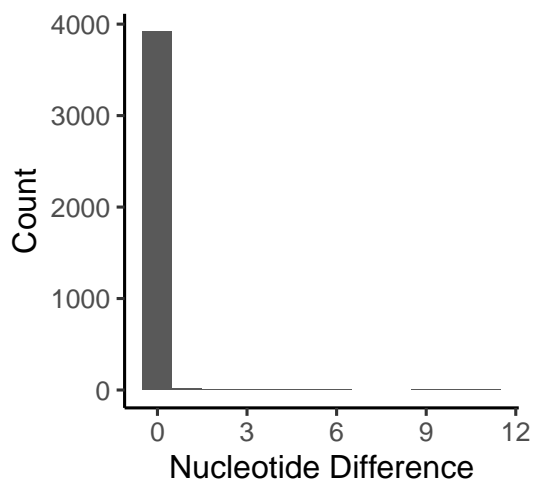
TRBV12-5*ap01

1697 sequences assigned
1687 (99.4%) exact matches, in which:
1675 unique CDR3
13 unique J



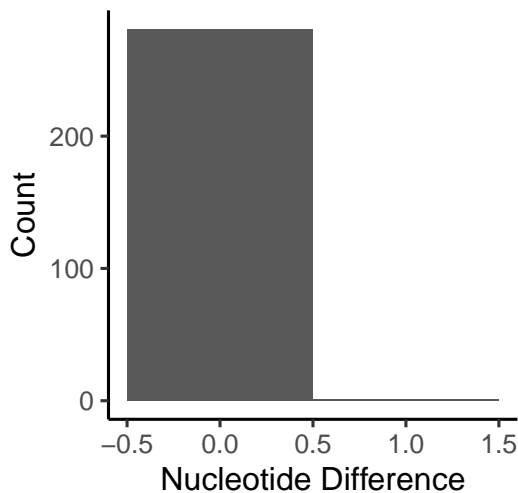
TRBV21-1*ap01

3944 sequences assigned
3917 (99.3%) exact matches, in which:
3905 unique CDR3
13 unique J



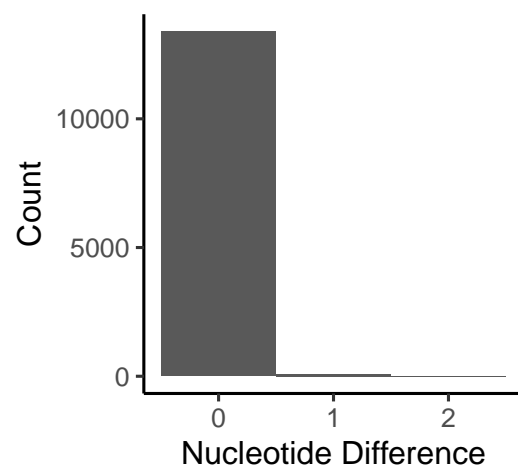
TRBV12-1*ap01

282 sequences assigned
281 (99.6%) exact matches, in which:
278 unique CDR3
13 unique J



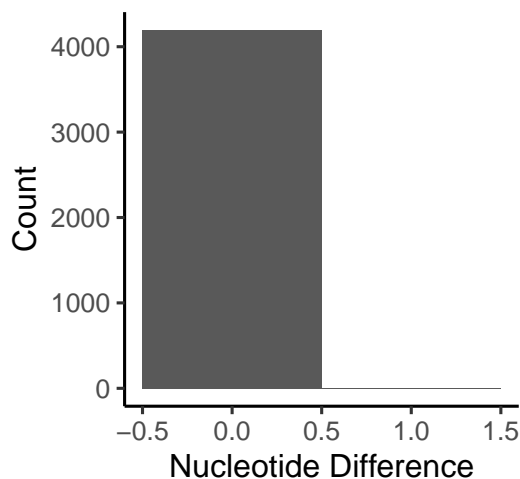
TRBV12-34*ap01

13479 sequences assigned
13392 (99.4%) exact matches, in which:
13263 unique CDR3
13 unique J



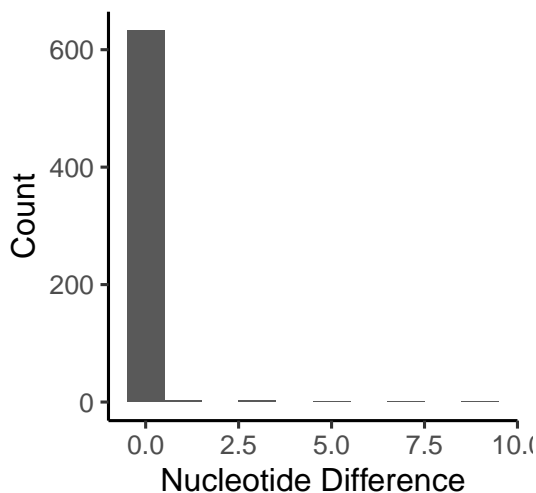
TRBV11-2*ap01

4202 sequences assigned
4195 (99.8%) exact matches, in which:
4180 unique CDR3
13 unique J



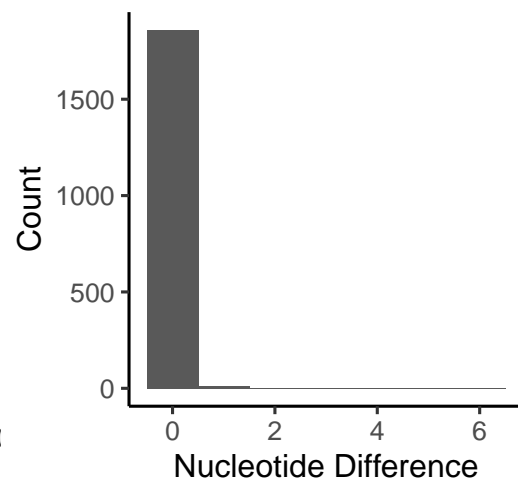
TRBV12-2*ap01

640 sequences assigned
633 (98.9%) exact matches, in which:
624 unique CDR3
13 unique J



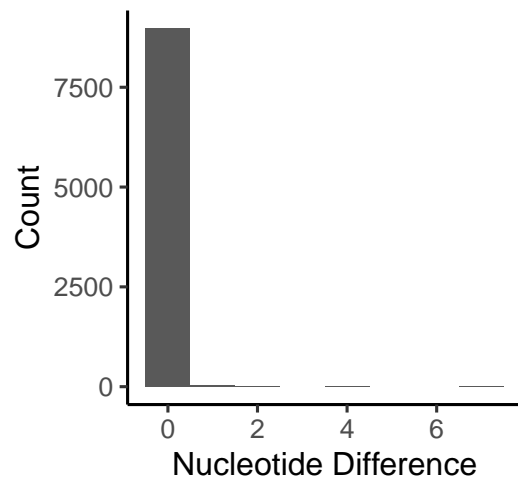
TRBV23-1*ap01

1878 sequences assigned
1859 (99%) exact matches, in which:
1847 unique CDR3
13 unique J



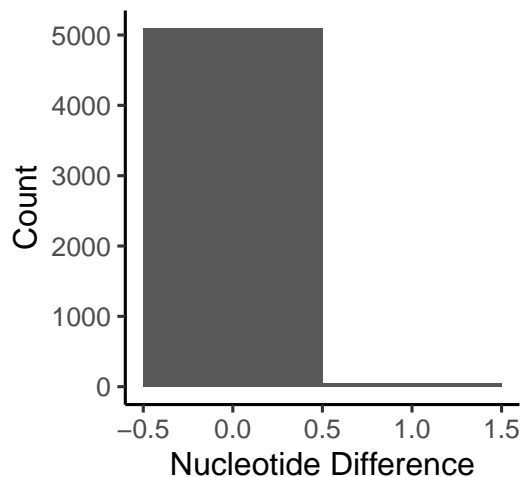
TRBV3-12*ap01

9016 sequences assigned
8974 (99.5%) exact matches, in which:
8920 unique CDR3
13 unique J



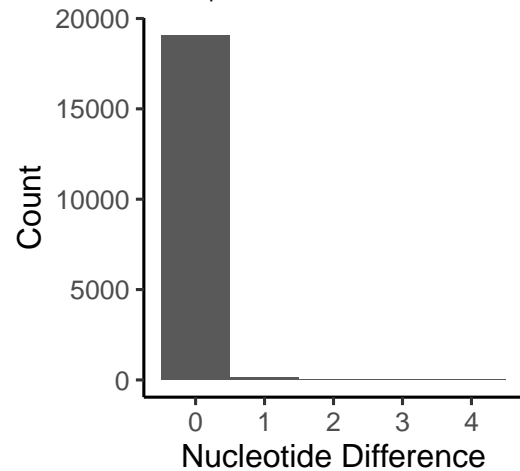
TRBV4-2*ap01

5138 sequences assigned
5094 (99.1%) exact matches, in which:
5018 unique CDR3
13 unique J



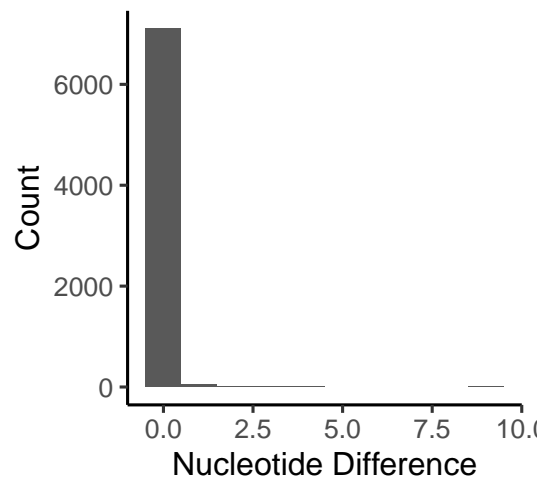
TRBV5-1*ap01

19196 sequences assigned
19078 (99.4%) exact matches, in which:
18810 unique CDR3
13 unique J



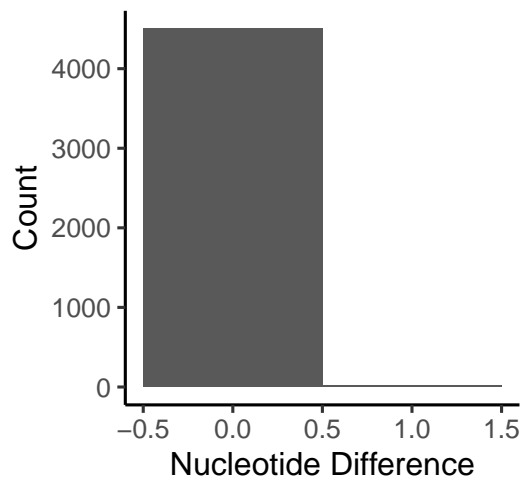
TRBV4-1*ap01

7154 sequences assigned
7103 (99.3%) exact matches, in which:
7003 unique CDR3
13 unique J



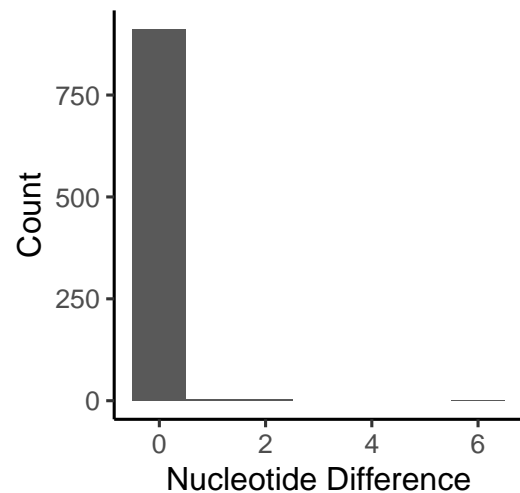
TRBV4-3*ap01

4526 sequences assigned
4502 (99.5%) exact matches, in which:
4442 unique CDR3
13 unique J



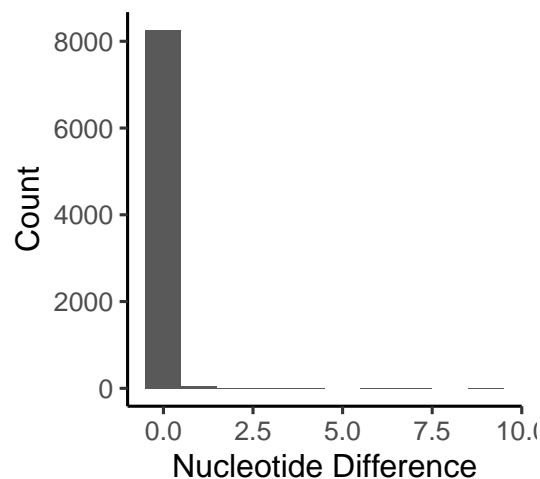
TRBV5-3*ap01

921 sequences assigned
912 (99%) exact matches, in which:
903 unique CDR3
13 unique J



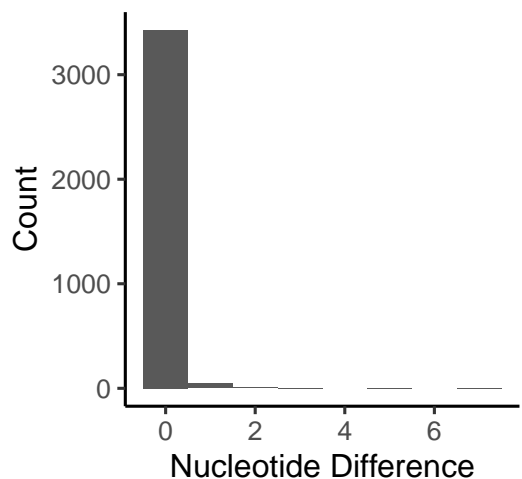
TRBV24-1*ap01

8331 sequences assigned
8259 (99.1%) exact matches, in which:
8169 unique CDR3
13 unique J



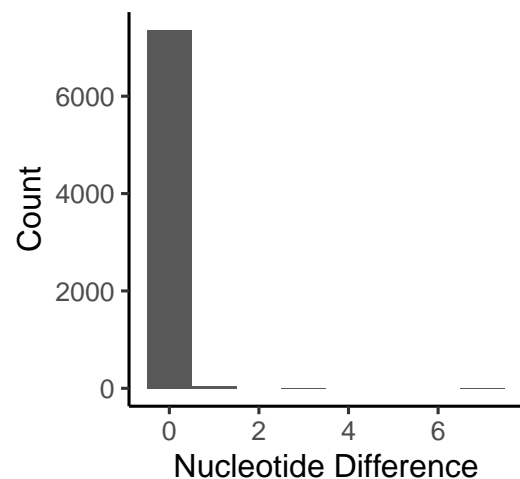
TRBV25-1*ap01

3486 sequences assigned
3427 (98.3%) exact matches, in which:
3359 unique CDR3
13 unique J



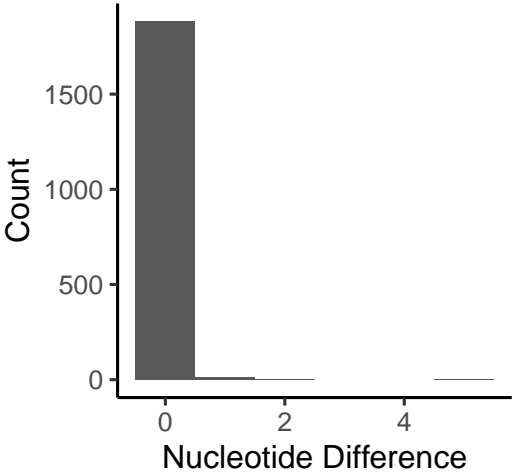
TRBV5-4*ap01

7413 sequences assigned
7359 (99.3%) exact matches, in which:
7263 unique CDR3
13 unique J



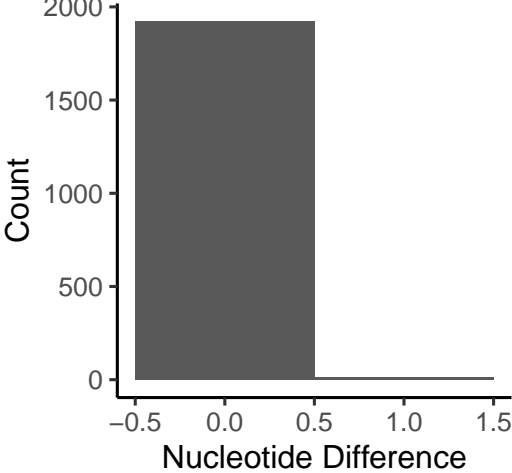
TRBV5-5*ap01

1895 sequences assigned
1882 (99.3%) exact matches, in which:
1875 unique CDR3
13 unique J



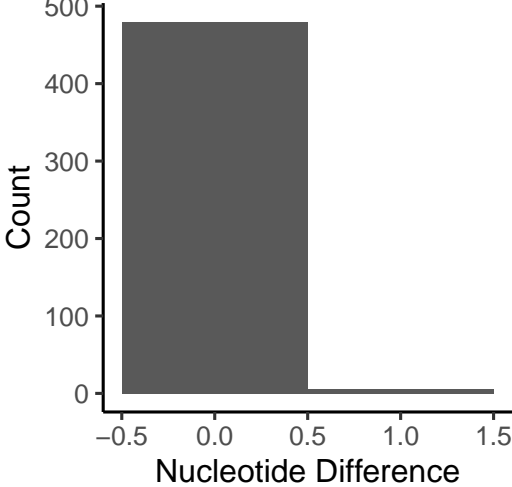
TRBV5-8*ap01

1934 sequences assigned
1922 (99.4%) exact matches, in which:
1910 unique CDR3
13 unique J



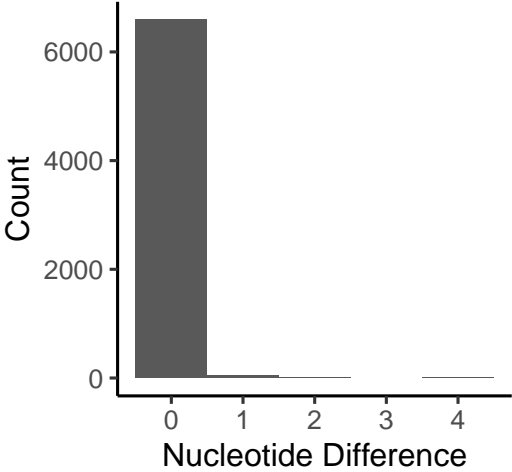
TRBV6-7*ap01

486 sequences assigned
480 (98.8%) exact matches, in which:
474 unique CDR3
13 unique J



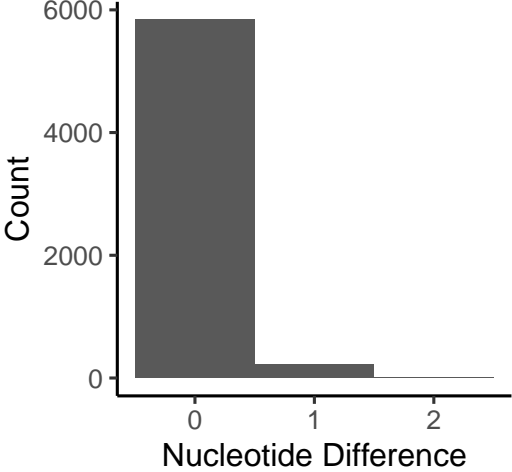
TRBV5-6*ap01

6635 sequences assigned
6592 (99.4%) exact matches, in which:
6462 unique CDR3
13 unique J



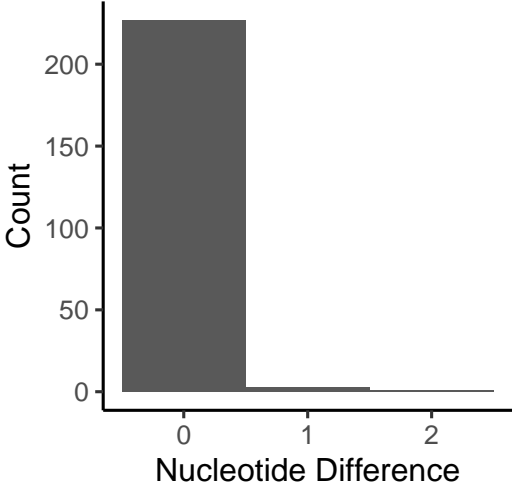
TRBV6-1*ap01

6064 sequences assigned
5839 (96.3%) exact matches, in which:
5761 unique CDR3
13 unique J



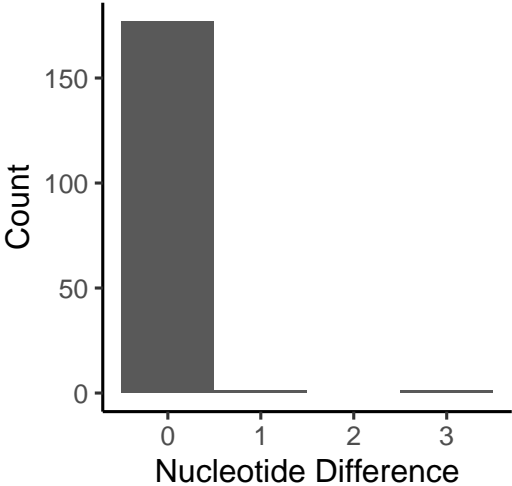
TRBV6-8*ap01

231 sequences assigned
227 (98.3%) exact matches, in which:
225 unique CDR3
13 unique J



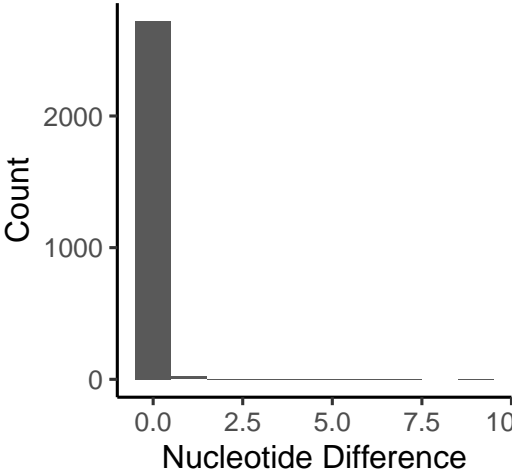
TRBV5-7*ap01

179 sequences assigned
177 (98.9%) exact matches, in which:
173 unique CDR3
13 unique J



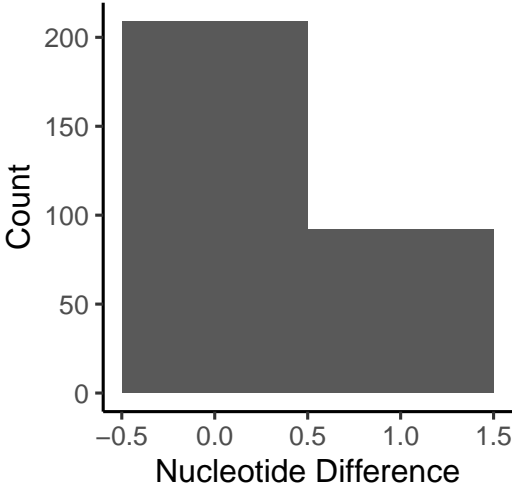
TRBV6-4*ap01

2755 sequences assigned
2721 (98.8%) exact matches, in which:
2698 unique CDR3
13 unique J



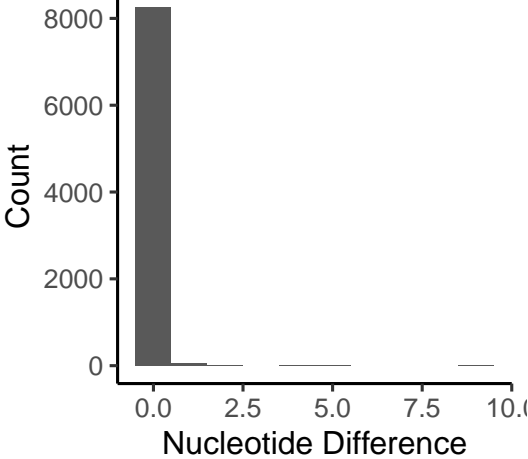
TRBV6-9*ap01

301 sequences assigned
209 (69.4%) exact matches, in which:
207 unique CDR3
13 unique J



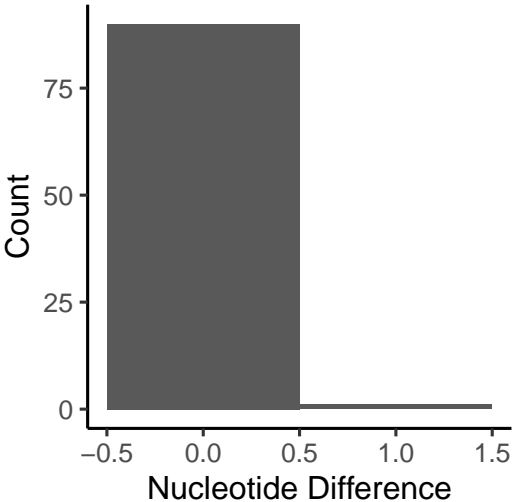
TRBV6-23*ap01

8316 sequences assigned
8253 (99.2%) exact matches, in which:
8054 unique CDR3
13 unique J



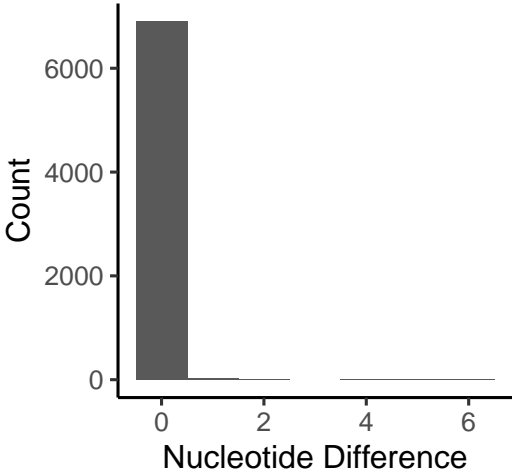
TRBV7-1*ap01_G291C_T

91 sequences assigned
90 (98.9%) exact matches, in which:
90 unique CDR3
12 unique J



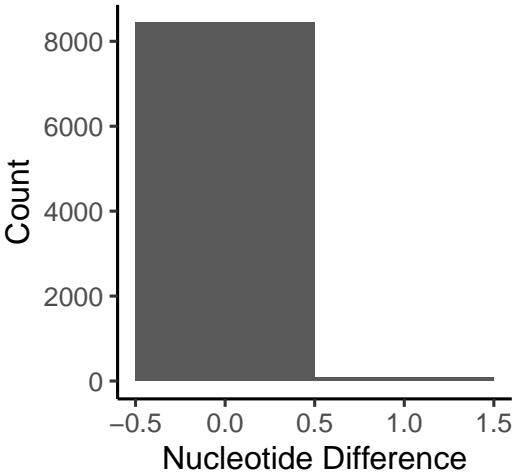
TRBV7-3*ap01

6942 sequences assigned
6903 (99.4%) exact matches, in which:
6865 unique CDR3
13 unique J



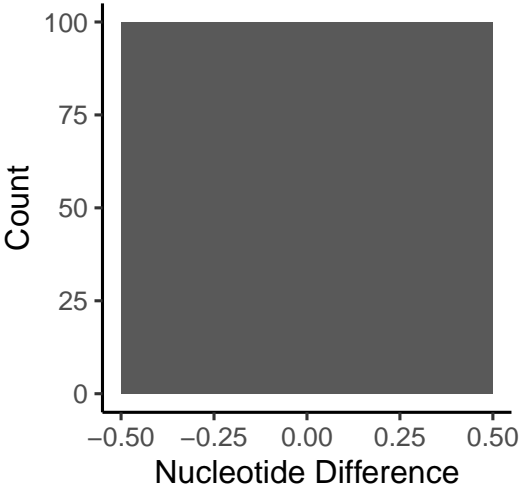
TRBV6-56*ap01

8520 sequences assigned
8437 (99%) exact matches, in which:
8308 unique CDR3
13 unique J



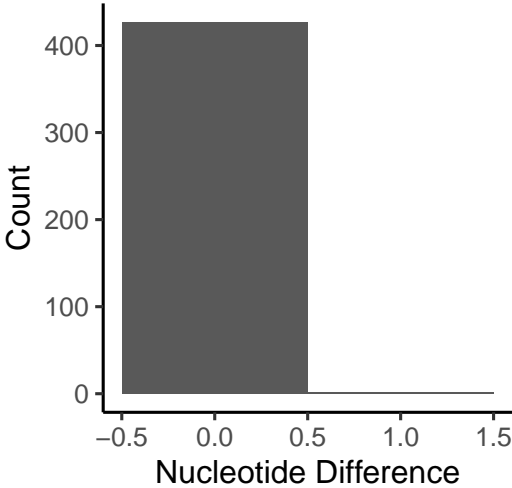
TRBV7-1*ap01_G291C_

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



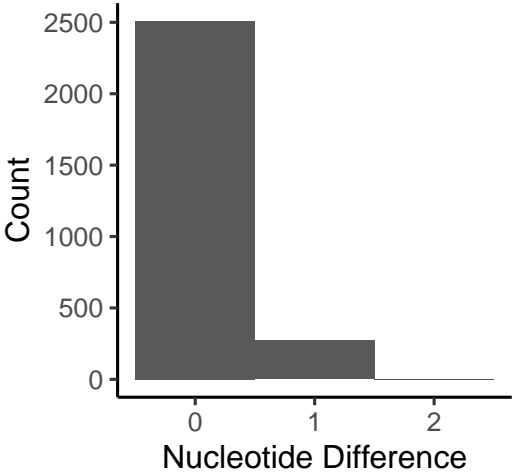
TRBV7-4*ap01

429 sequences assigned
427 (99.5%) exact matches, in which:
425 unique CDR3
13 unique J



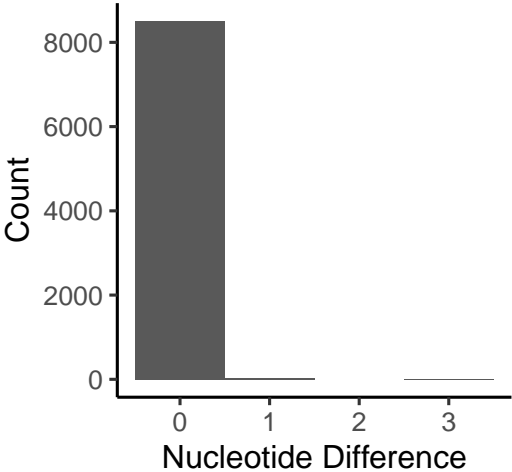
TRBV6-56*ap02

2786 sequences assigned
2509 (90.1%) exact matches, in which:
2459 unique CDR3
13 unique J



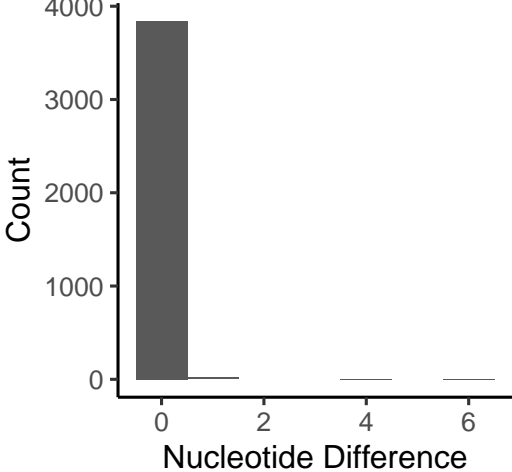
TRBV7-2*ap01

8540 sequences assigned
8506 (99.6%) exact matches, in which:
8433 unique CDR3
13 unique J



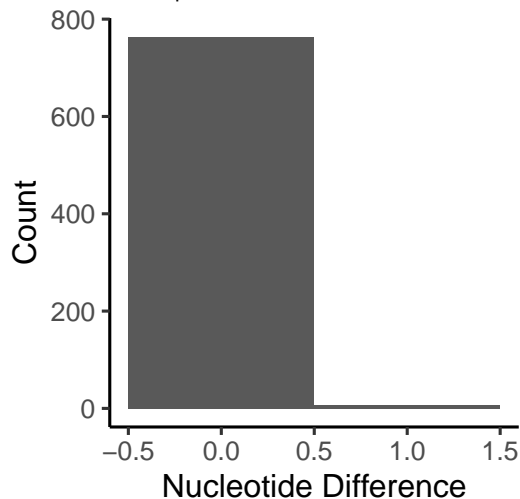
TRBV7-6*ap01

3862 sequences assigned
3841 (99.5%) exact matches, in which:
3799 unique CDR3
13 unique J



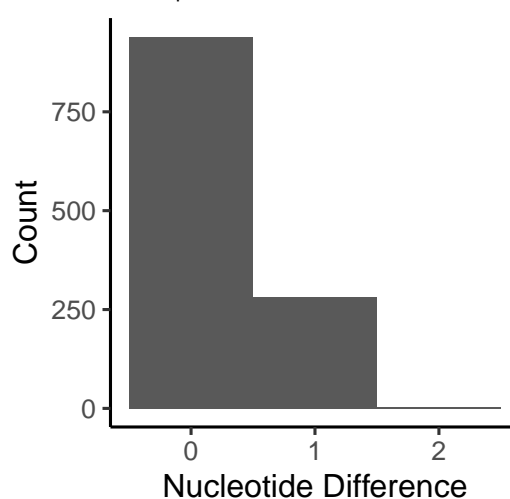
TRBV7-7*ap01

771 sequences assigned
764 (99.1%) exact matches, in which:
757 unique CDR3
13 unique J



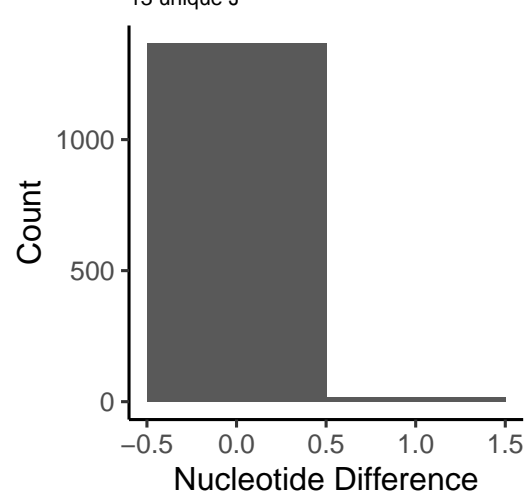
TRBV7-8*ap03

1225 sequences assigned
940 (76.7%) exact matches, in which:
927 unique CDR3
13 unique J



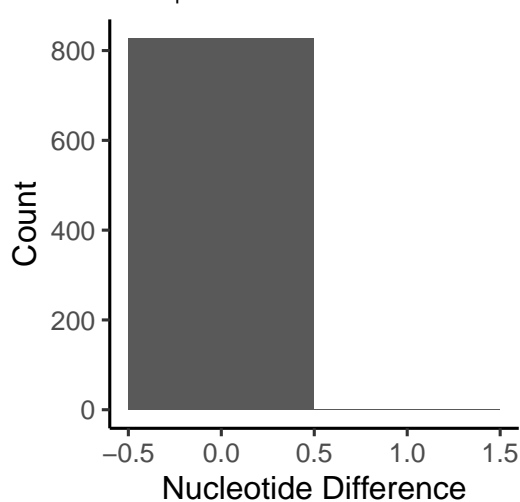
TRBV29-1*ap02

1386 sequences assigned
1367 (98.6%) exact matches, in which:
1338 unique CDR3
13 unique J



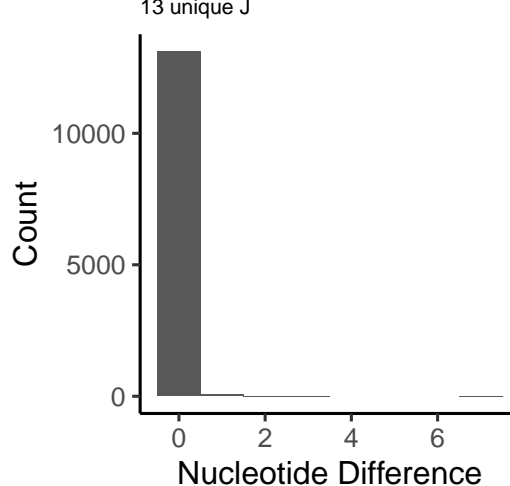
TRBV7-7*ap01_C315T

830 sequences assigned
828 (99.8%) exact matches, in which:
820 unique CDR3
13 unique J



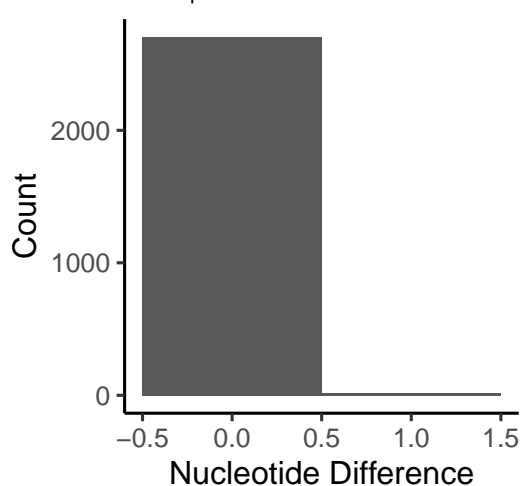
TRBV7-9*ap01

13190 sequences assigned
13113 (99.4%) exact matches, in which:
13003 unique CDR3
13 unique J



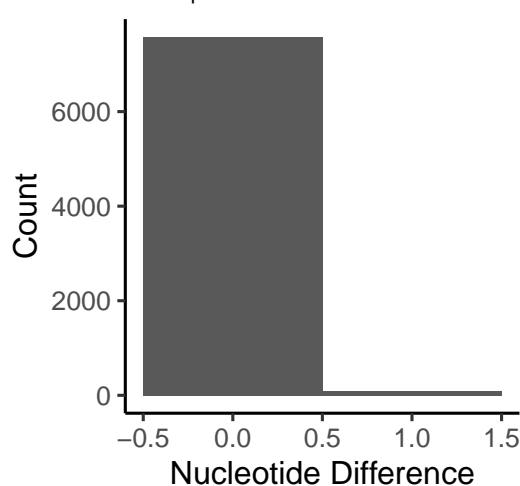
TRBV7-8*ap01

2721 sequences assigned
2704 (99.4%) exact matches, in which:
2677 unique CDR3
13 unique J

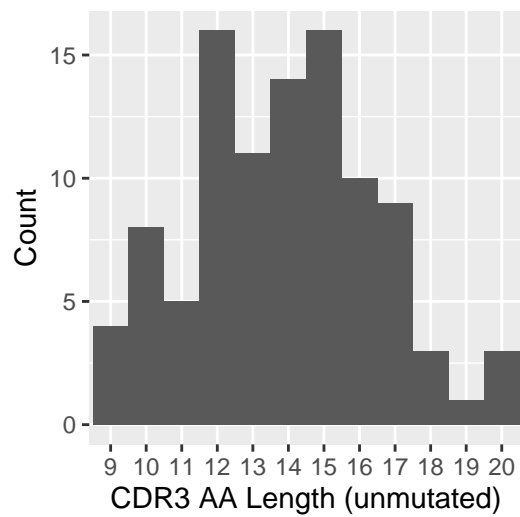


TRBV29-1*ap01

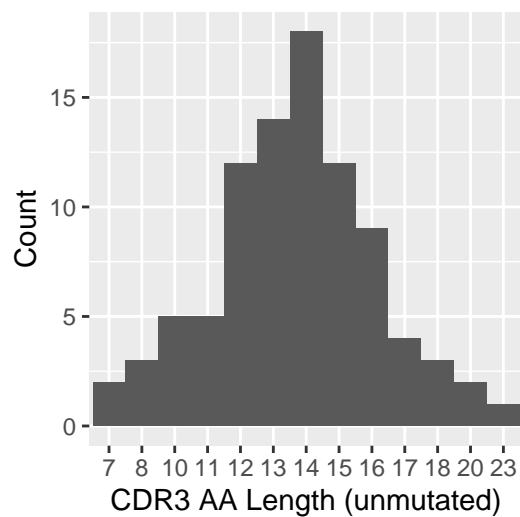
7668 sequences assigned
7577 (98.8%) exact matches, in which:
7429 unique CDR3
13 unique J



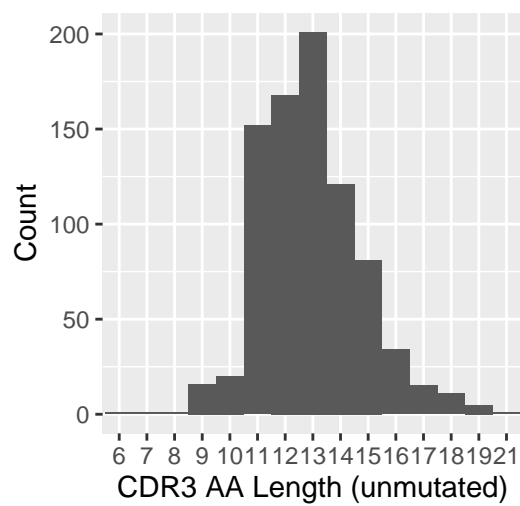
TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]