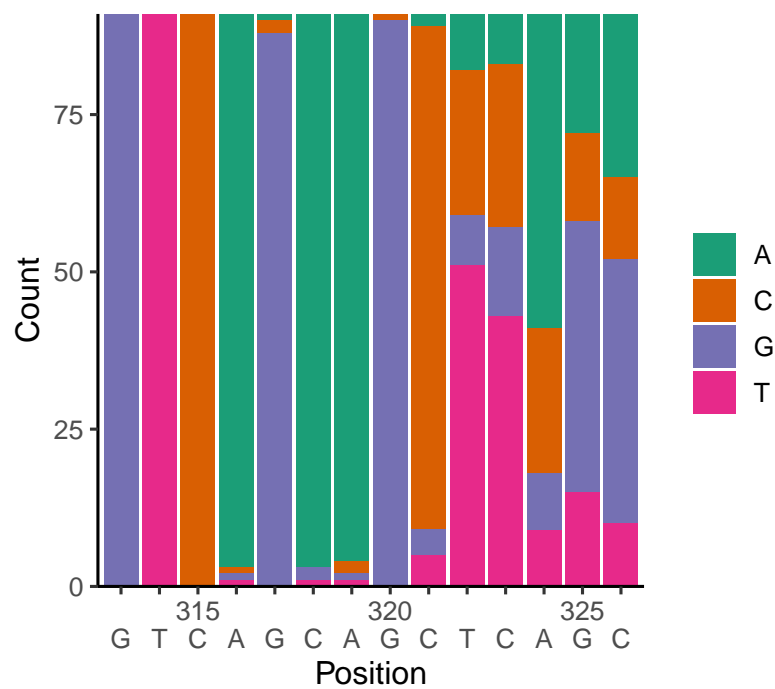
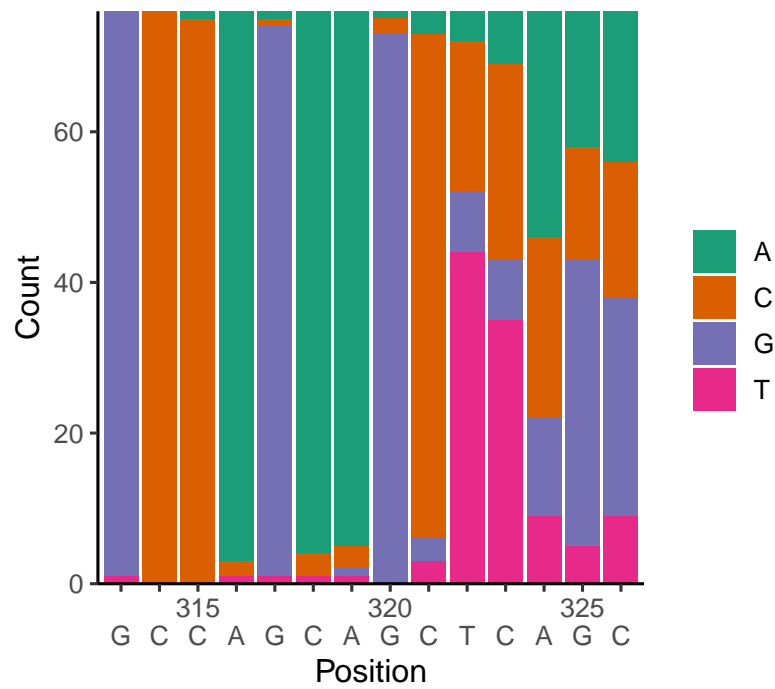


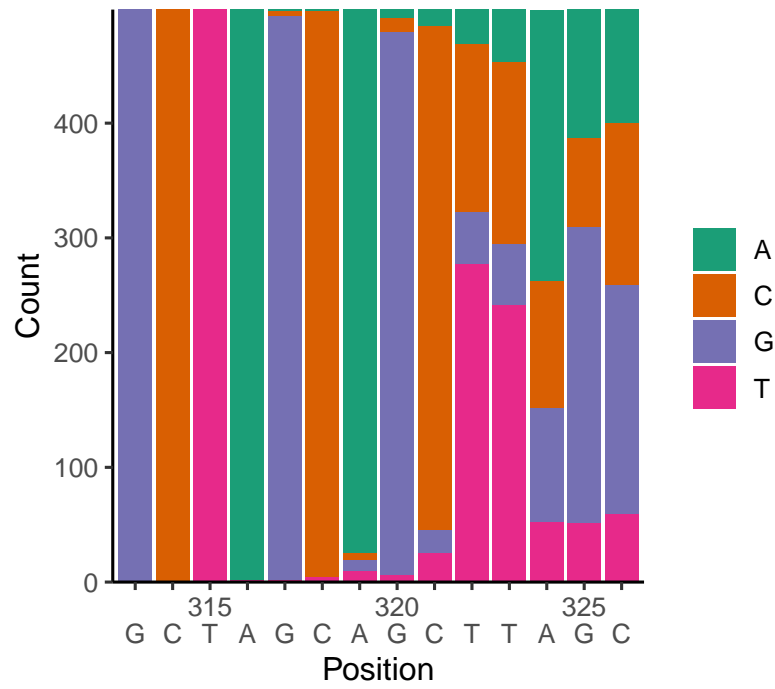
Gene TRBV7-1*ap01_G291C_T296C_C314T



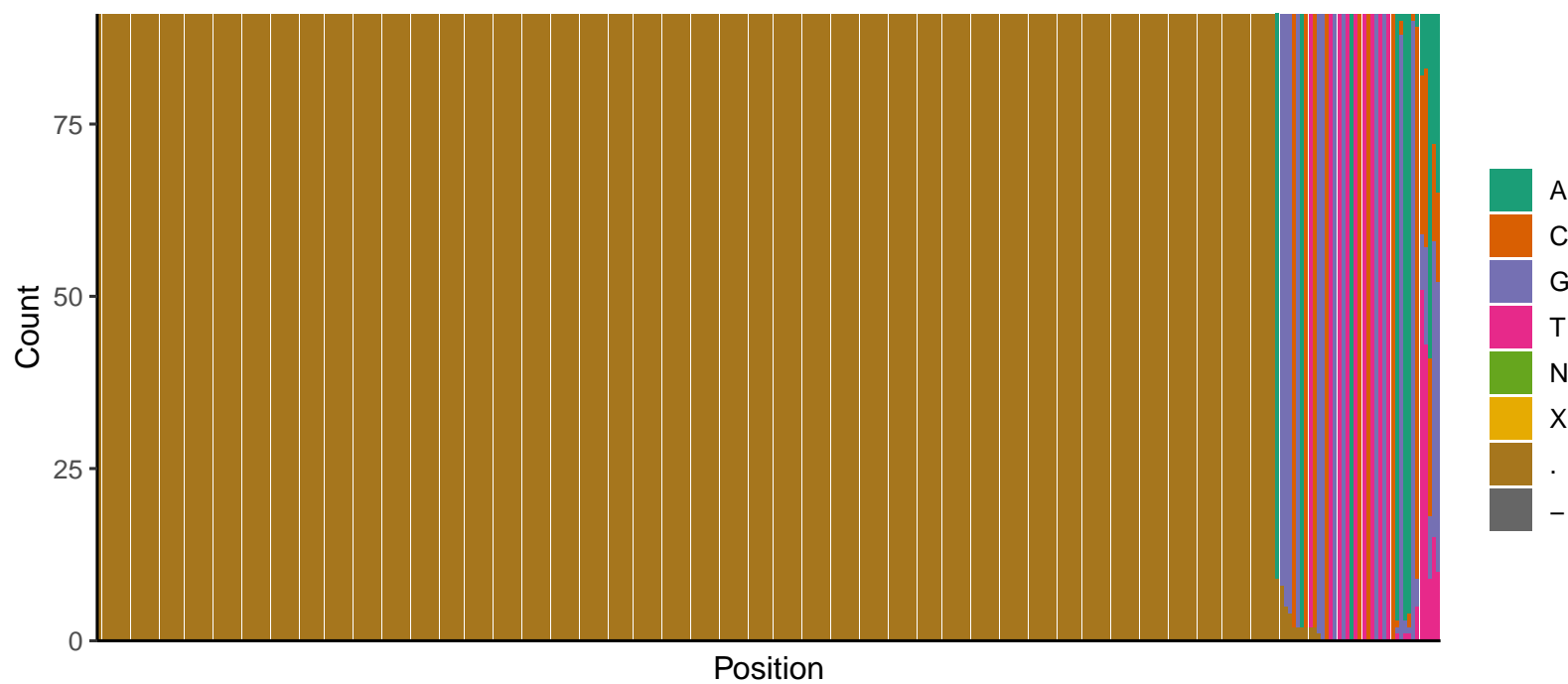
Gene TRBV7-1*ap01_G291C_T296C



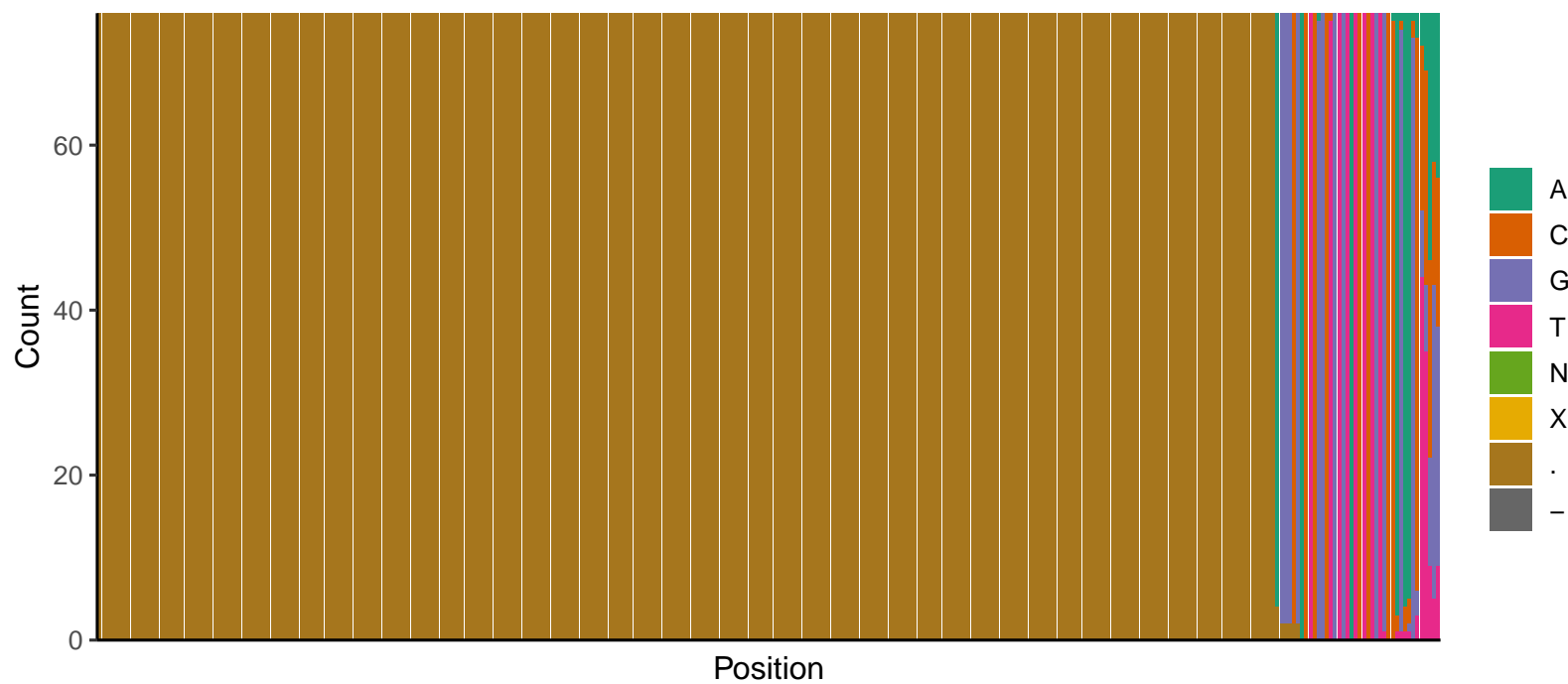
Gene TRBV7-7*ap01_C315T



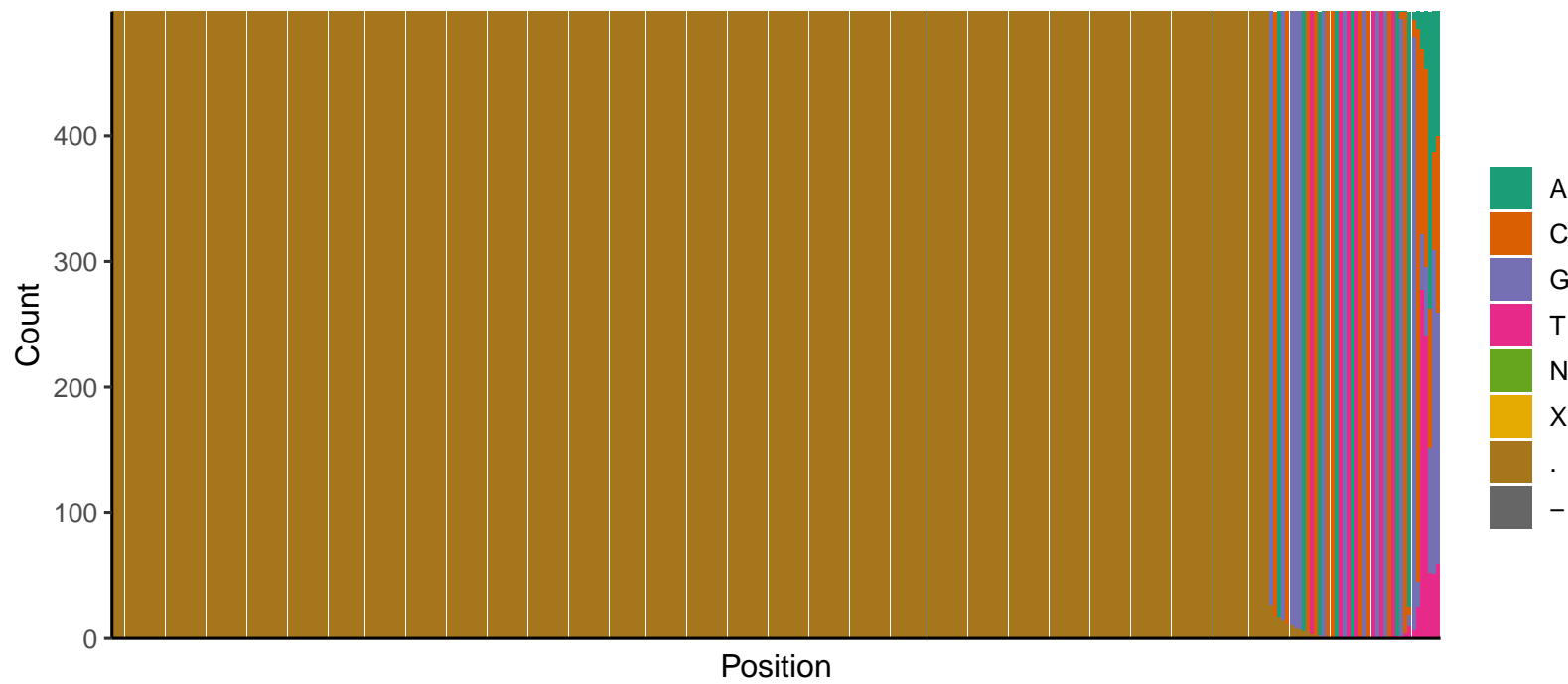
Gene TRBV7-1*ap01_G291C_T296C_C314T



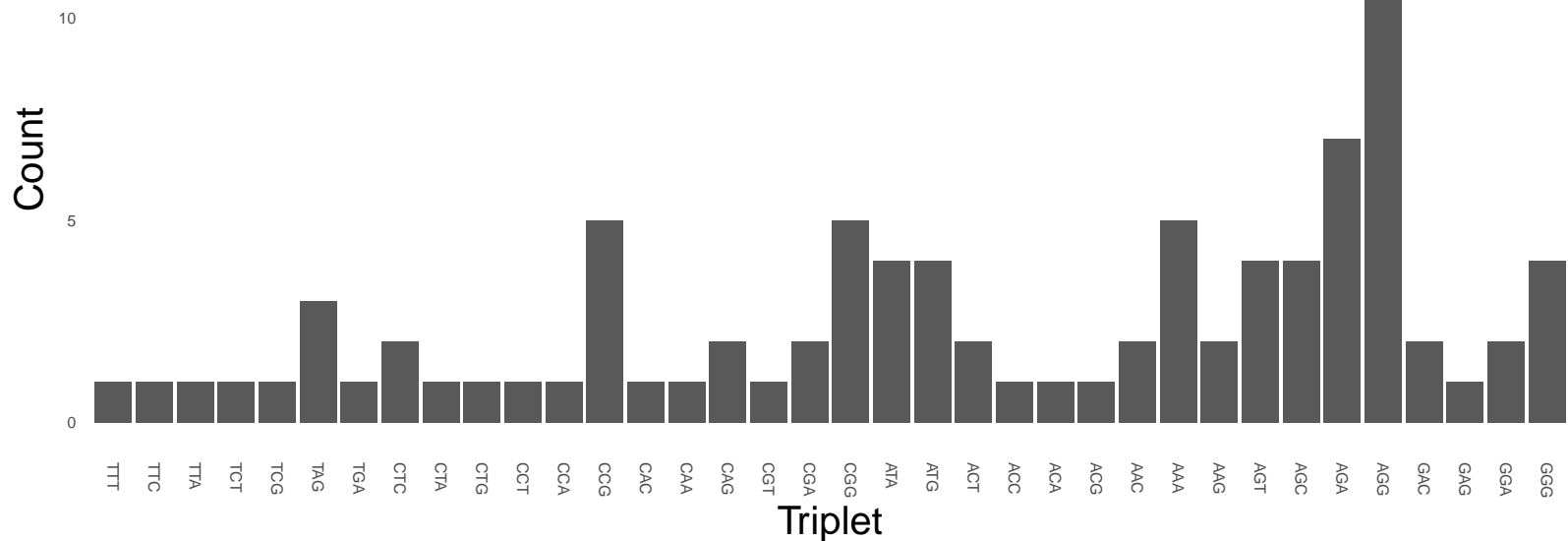
Gene TRBV7-1*ap01_G291C_T296C



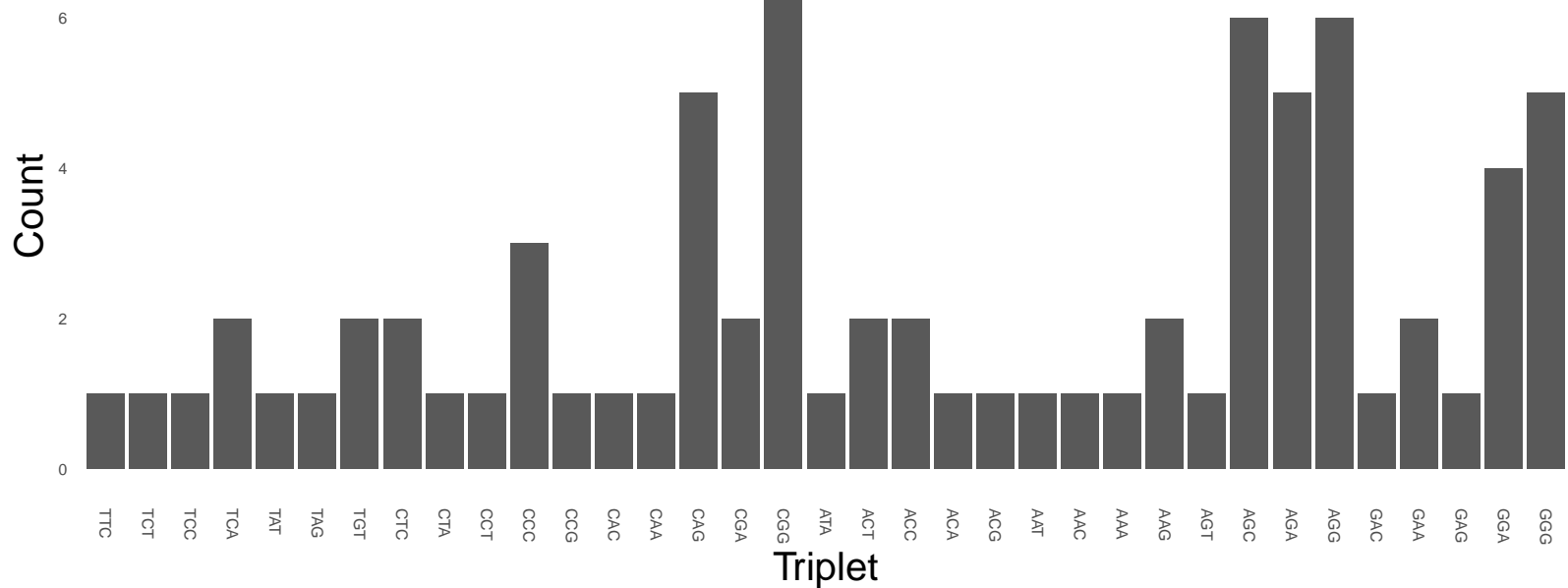
Gene TRBV7-7*ap01_C315T



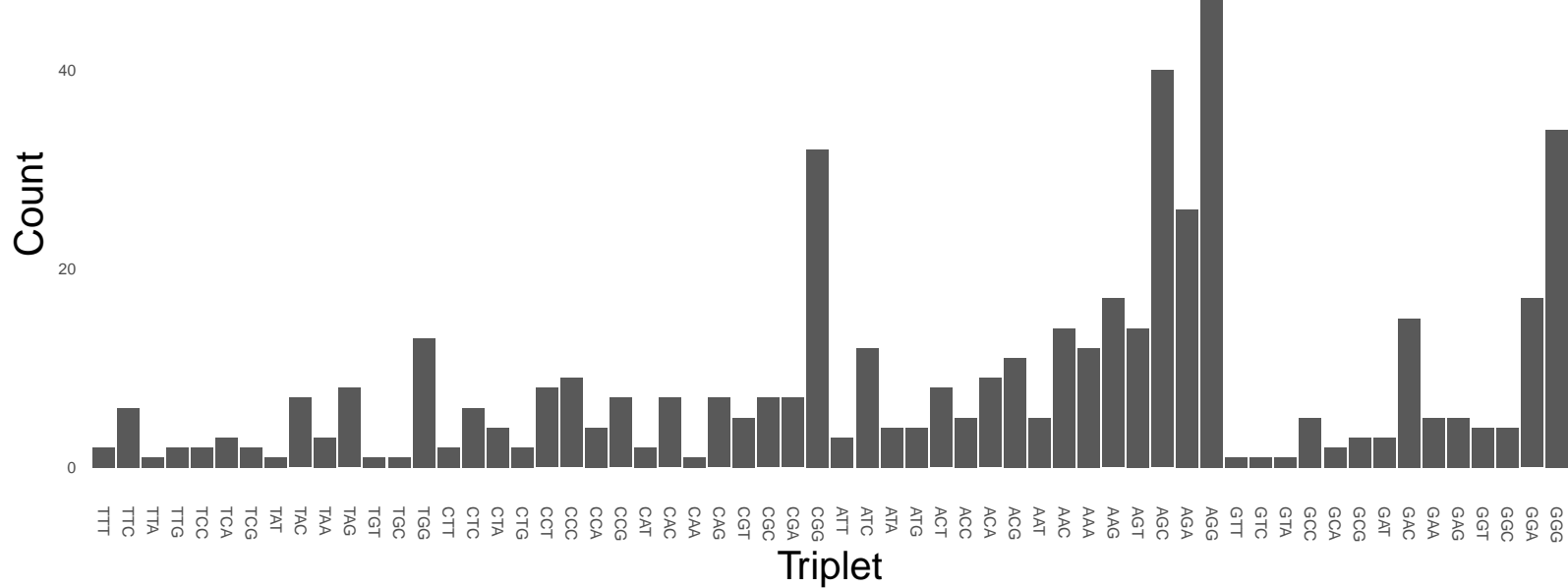
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

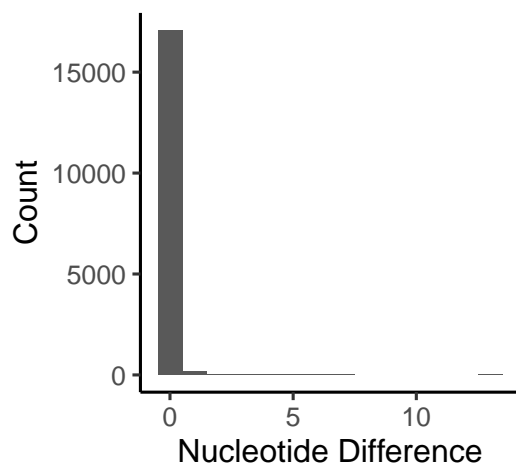


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



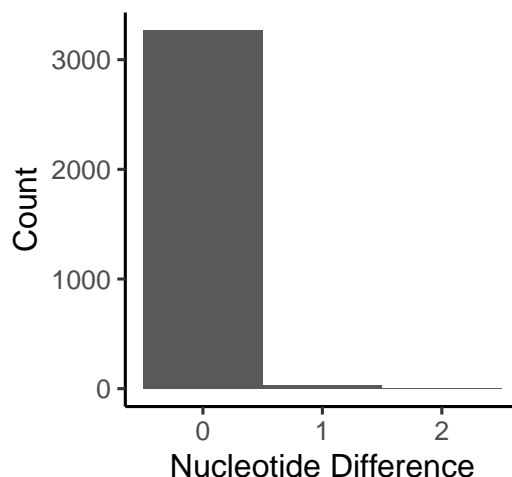
TRBV20-1*ap01

17301 sequences assigned
17079 (98.7%) exact matches, in which:
16804 unique CDR3
13 unique J



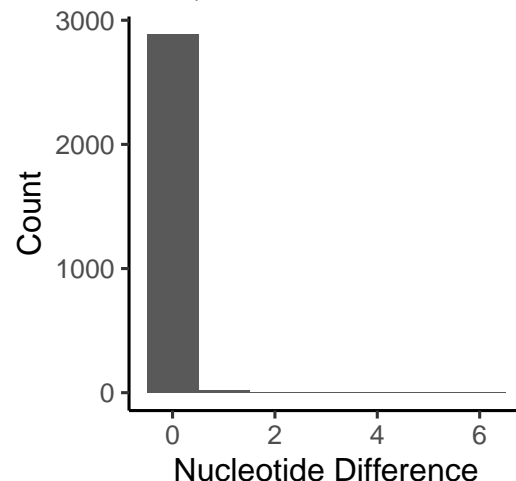
TRBV10-3*ap01

3296 sequences assigned
3267 (99.1%) exact matches, in which:
3197 unique CDR3
13 unique J



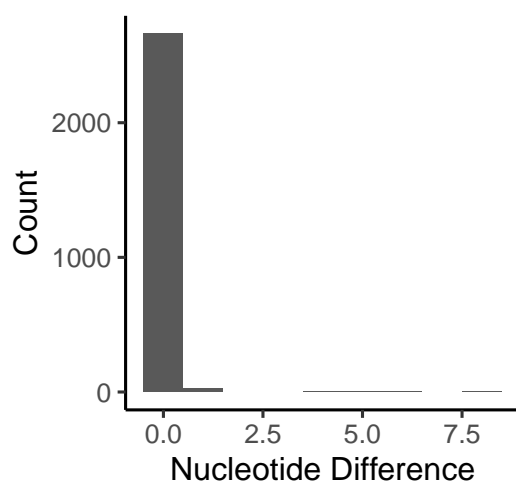
TRBV14*ap01

2916 sequences assigned
2886 (99%) exact matches, in which:
2840 unique CDR3
13 unique J



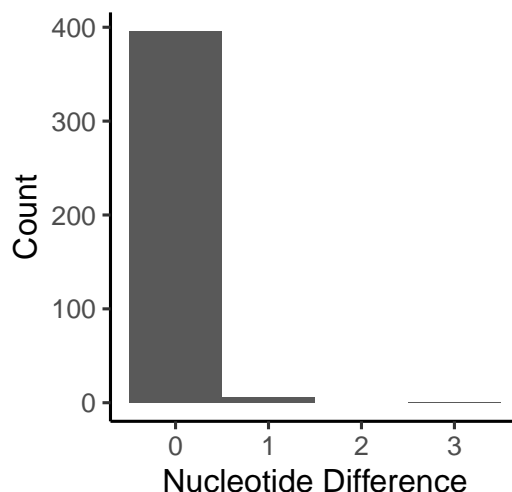
TRBV10-1*ap01

2693 sequences assigned
2661 (98.8%) exact matches, in which:
2597 unique CDR3
13 unique J



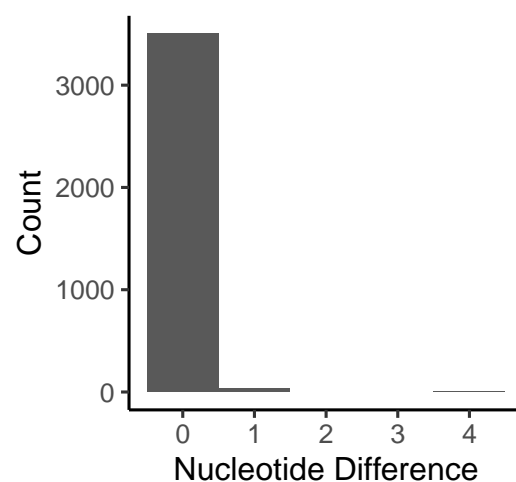
TRBV1*ap01

403 sequences assigned
396 (98.3%) exact matches, in which:
388 unique CDR3
13 unique J



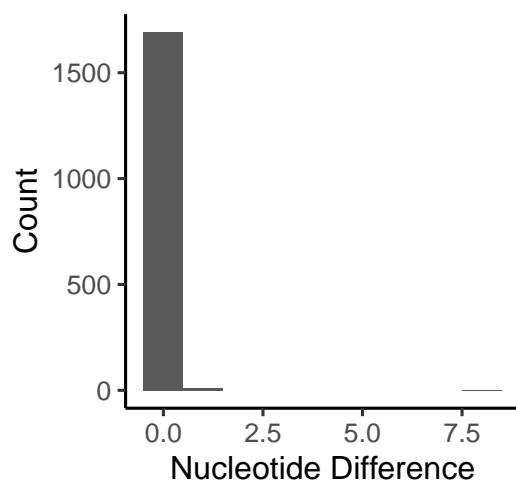
TRBV15*ap02

3539 sequences assigned
3503 (99%) exact matches, in which:
3409 unique CDR3
13 unique J



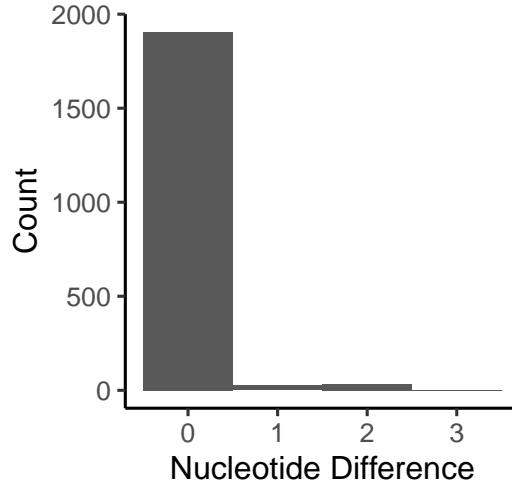
TRBV10-2*ap01

1703 sequences assigned
1692 (99.4%) exact matches, in which:
1651 unique CDR3
13 unique J



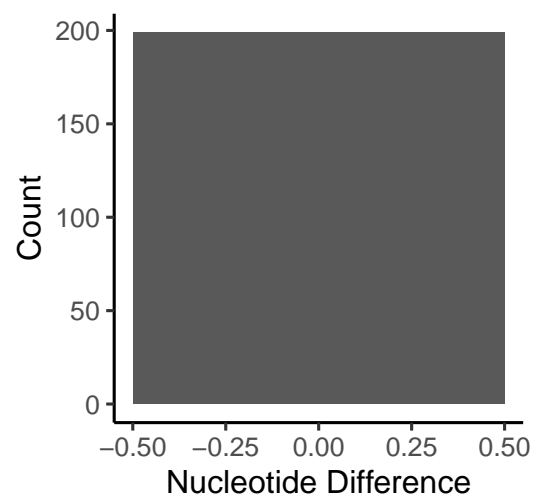
TRBV13*ap01

1967 sequences assigned
1905 (96.8%) exact matches, in which:
1859 unique CDR3
13 unique J



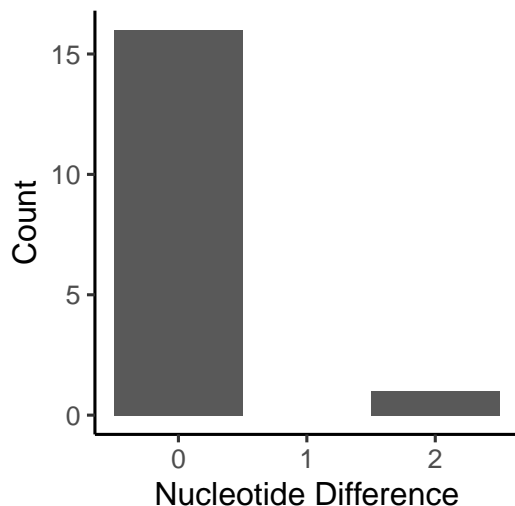
TRBV16*ap01

199 sequences assigned
199 (100%) exact matches, in which:
196 unique CDR3
13 unique J



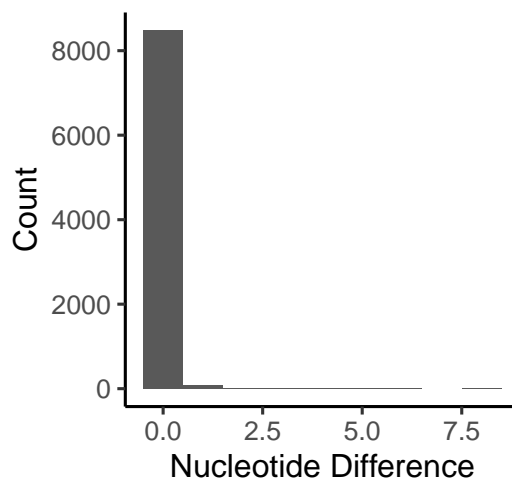
TRBV17*ap01

17 sequences assigned
16 (94.1%) exact matches, in which:
16 unique CDR3
8 unique J



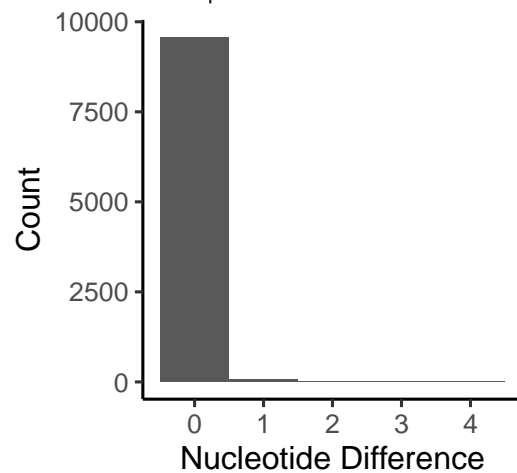
TRBV2*ap01

8584 sequences assigned
8480 (98.8%) exact matches, in which:
8318 unique CDR3
13 unique J



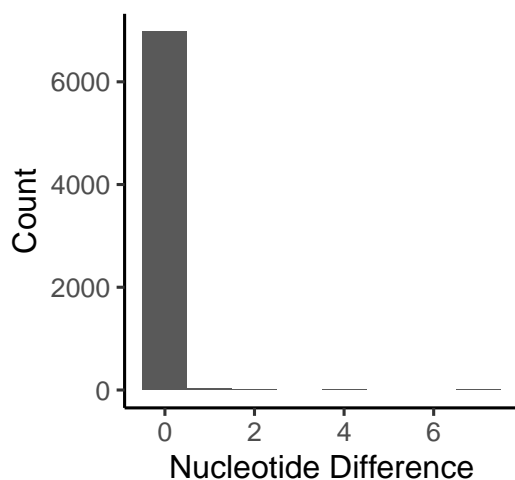
TRBV28*ap01

9658 sequences assigned
9573 (99.1%) exact matches, in which:
9372 unique CDR3
13 unique J



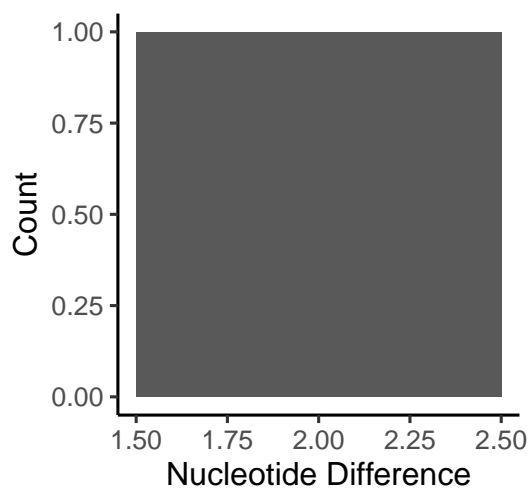
TRBV18*ap01

7014 sequences assigned
6975 (99.4%) exact matches, in which:
6902 unique CDR3
13 unique J



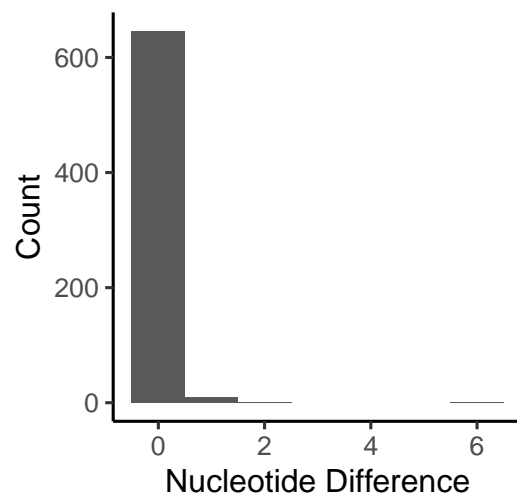
TRBV26*ap01

1 sequences assigned
No exact matches.



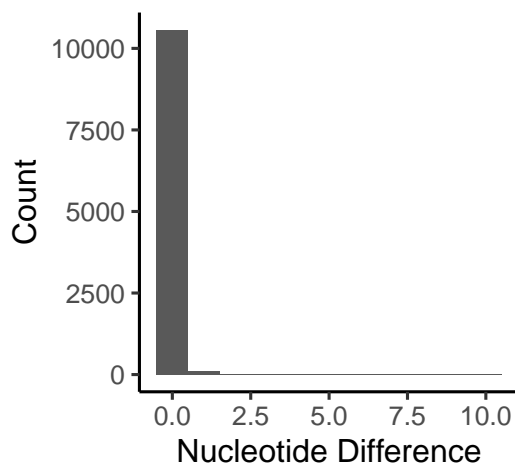
TRBV30*ap02

658 sequences assigned
646 (98.2%) exact matches, in which:
640 unique CDR3
13 unique J



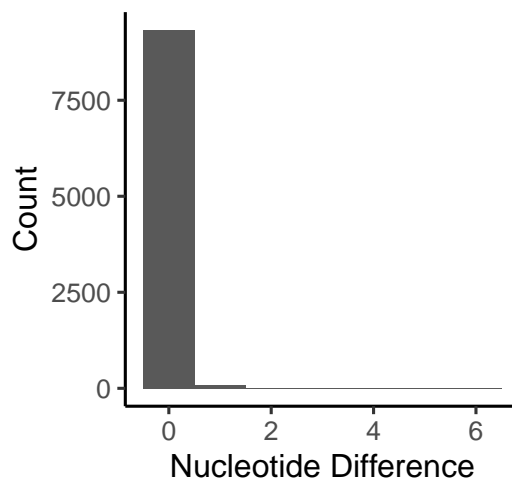
TRBV19*ap01

10710 sequences assigned
10570 (98.7%) exact matches, in which:
10431 unique CDR3
13 unique J



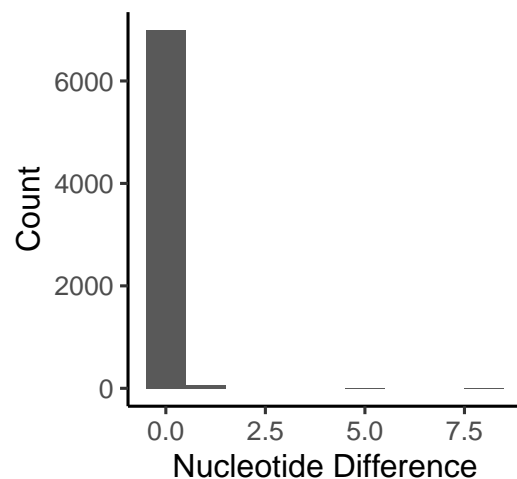
TRBV27*ap01

9431 sequences assigned
9328 (98.9%) exact matches, in which:
9098 unique CDR3
13 unique J



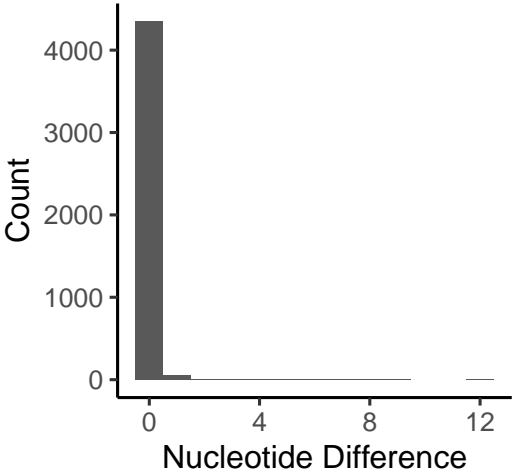
TRBV9*ap01

7062 sequences assigned
6994 (99%) exact matches, in which:
6860 unique CDR3
13 unique J



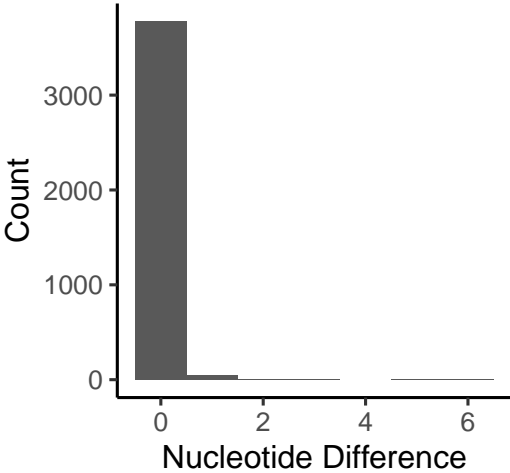
TRBV21-1*ap01

4432 sequences assigned
4349 (98.1%) exact matches, in which:
4274 unique CDR3
13 unique J



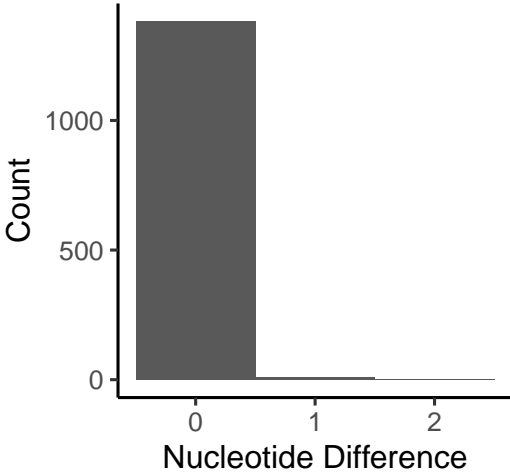
TRBV11-3*ap01

3828 sequences assigned
3777 (98.7%) exact matches, in which:
3689 unique CDR3
13 unique J



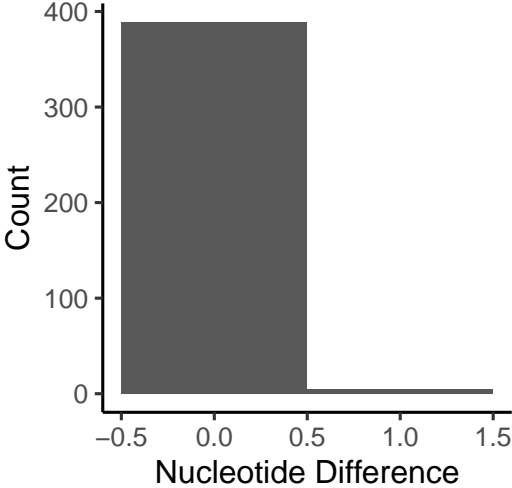
TRBV12-5*ap01

1392 sequences assigned
1382 (99.3%) exact matches, in which:
1359 unique CDR3
13 unique J



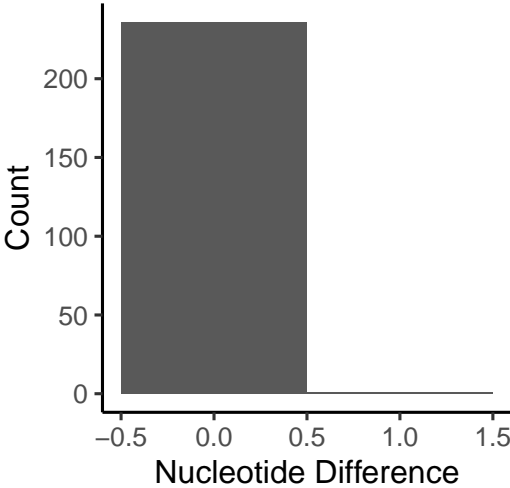
TRBV11-1*ap01

394 sequences assigned
389 (98.7%) exact matches, in which:
372 unique CDR3
13 unique J



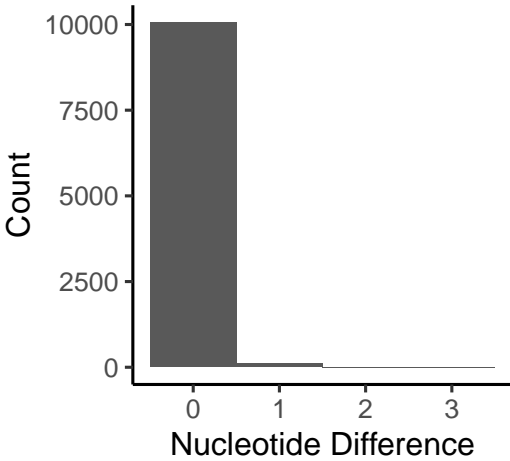
TRBV12-1*ap01

237 sequences assigned
236 (99.6%) exact matches, in which:
234 unique CDR3
13 unique J



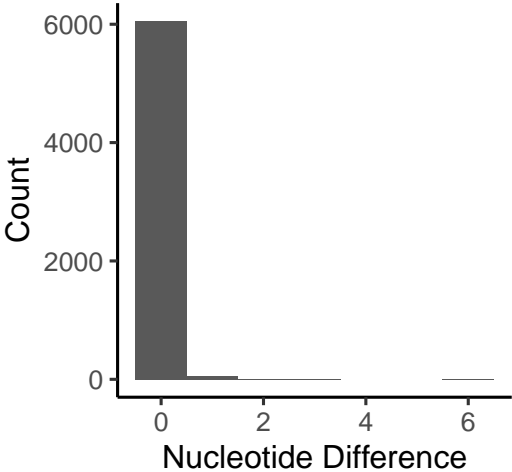
TRBV12-34*ap01

10175 sequences assigned
10059 (98.9%) exact matches, in which:
9865 unique CDR3
13 unique J



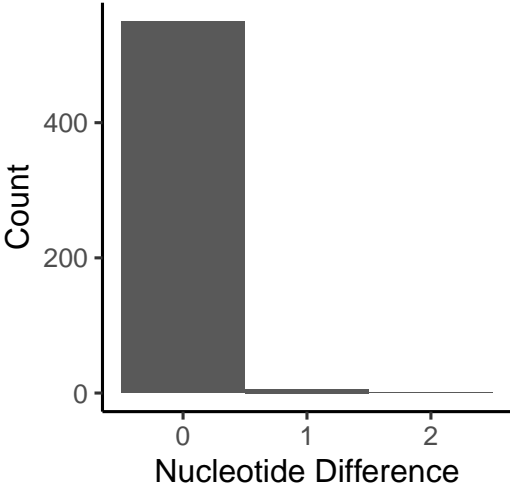
TRBV11-2*ap01

6114 sequences assigned
6054 (99%) exact matches, in which:
5924 unique CDR3
14 unique J



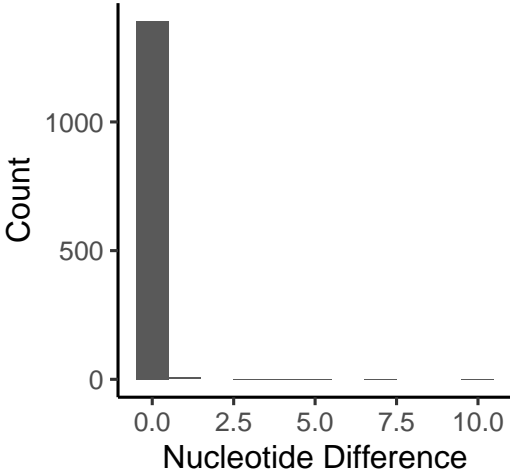
TRBV12-2*ap01

557 sequences assigned
550 (98.7%) exact matches, in which:
535 unique CDR3
13 unique J



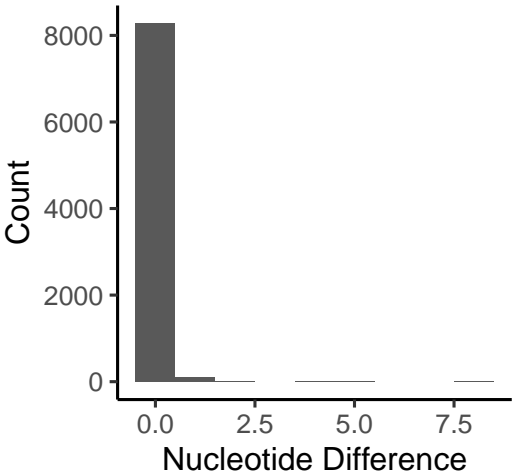
TRBV23-1*ap01

1405 sequences assigned
1392 (99.1%) exact matches, in which:
1356 unique CDR3
13 unique J



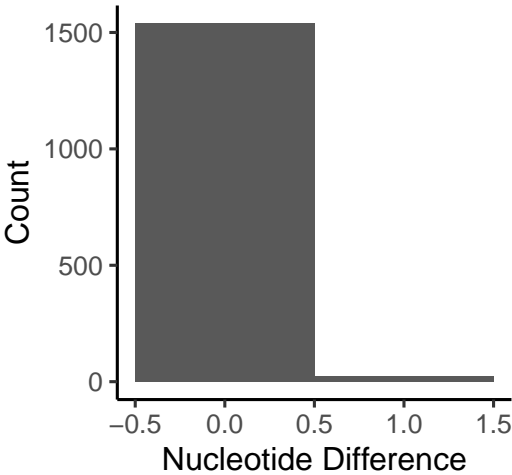
TRBV3-12*ap01

8382 sequences assigned
8277 (98.7%) exact matches, in which:
8108 unique CDR3
13 unique J



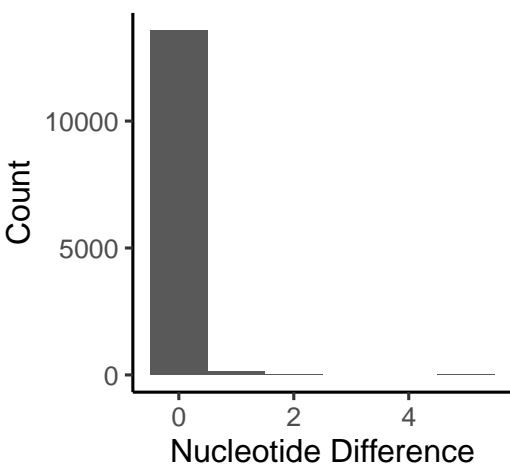
TRBV4-2*ap01

1564 sequences assigned
1539 (98.4%) exact matches, in which:
1511 unique CDR3
13 unique J



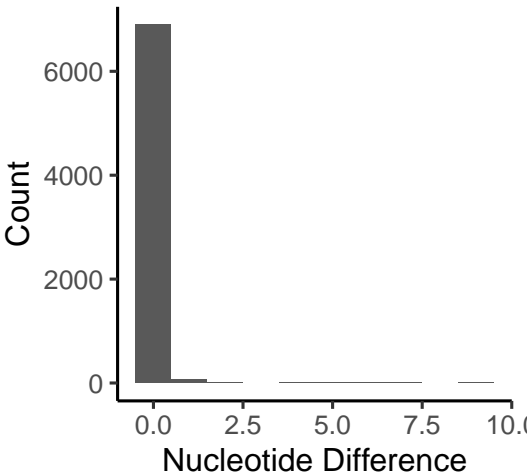
TRBV5-1*ap01

13747 sequences assigned
13581 (98.8%) exact matches, in which:
13260 unique CDR3
13 unique J



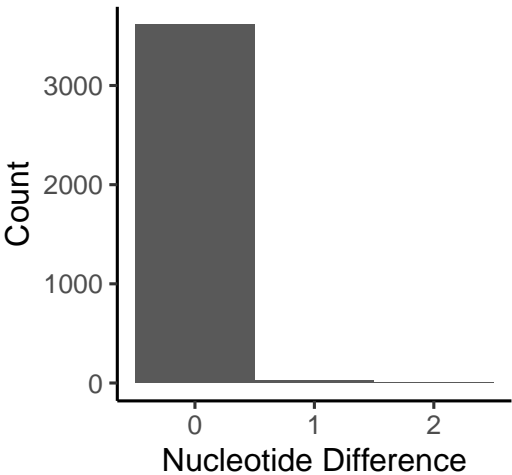
TRBV24-1*ap01

6978 sequences assigned
6897 (98.8%) exact matches, in which:
6786 unique CDR3
13 unique J



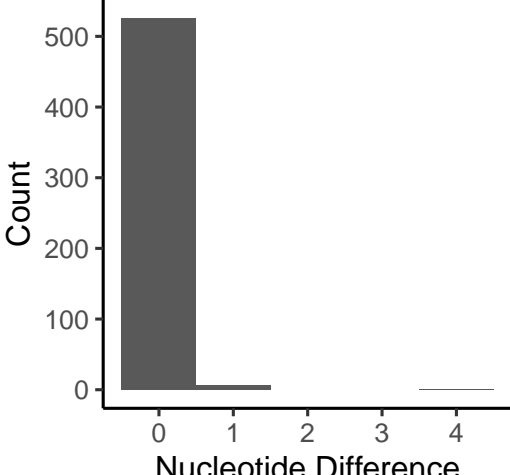
TRBV4-3*ap01

3641 sequences assigned
3613 (99.2%) exact matches, in which:
3546 unique CDR3
13 unique J



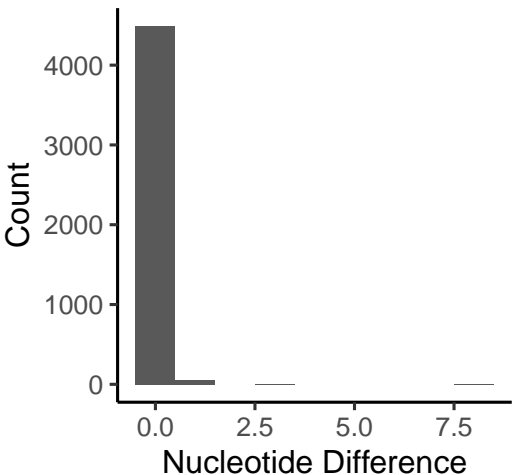
TRBV5-3*ap01

534 sequences assigned
526 (98.5%) exact matches, in which:
518 unique CDR3
13 unique J



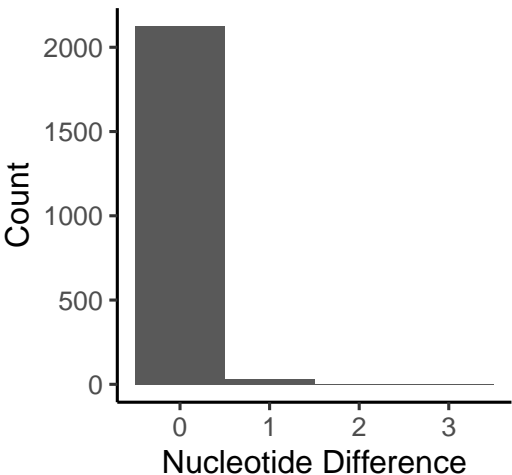
TRBV4-1*ap01

4546 sequences assigned
4490 (98.8%) exact matches, in which:
4410 unique CDR3
13 unique J



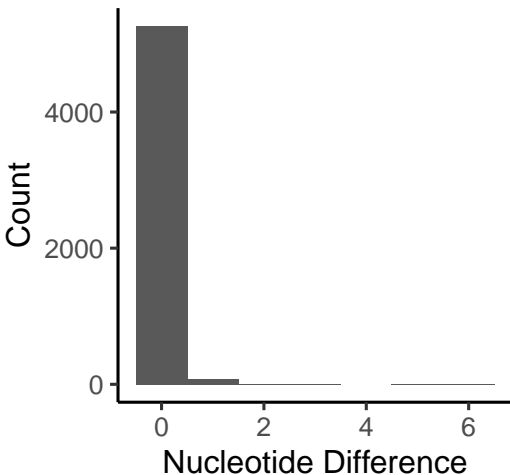
TRBV25-1*ap01

2161 sequences assigned
2126 (98.4%) exact matches, in which:
2085 unique CDR3
13 unique J



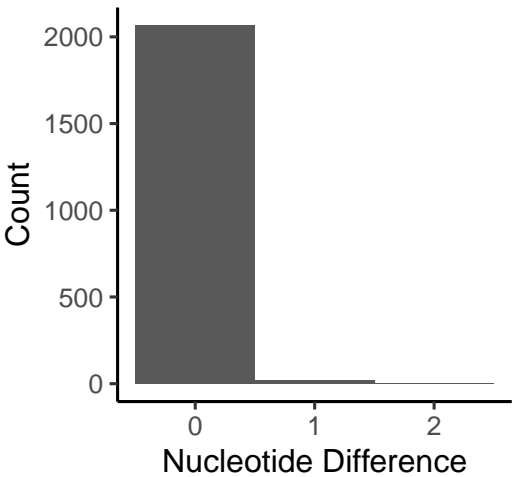
TRBV5-4*ap01

5341 sequences assigned
5263 (98.5%) exact matches, in which:
5135 unique CDR3
13 unique J



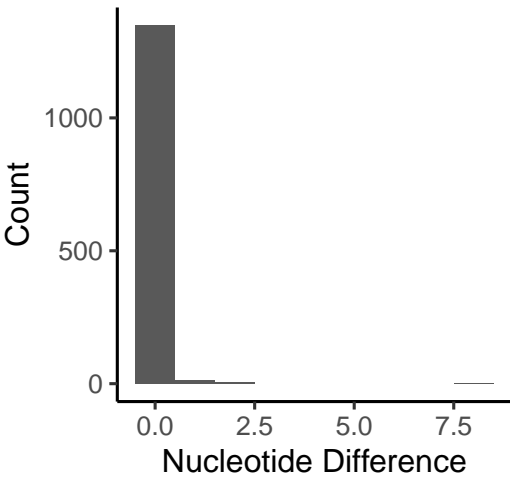
TRBV5-5*ap01

2090 sequences assigned
2066 (98.9%) exact matches, in which:
2043 unique CDR3
13 unique J



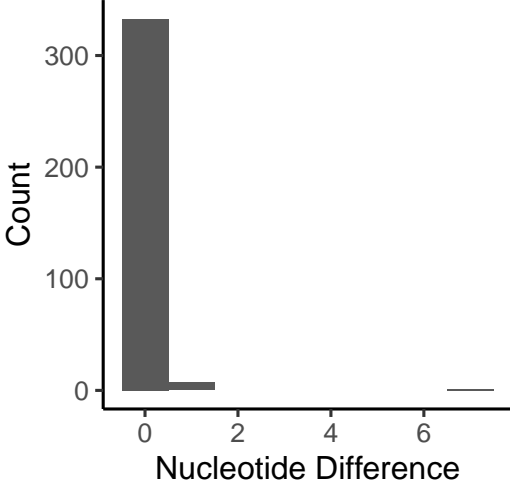
TRBV5-8*ap01

1369 sequences assigned
1348 (98.5%) exact matches, in which:
1325 unique CDR3
13 unique J



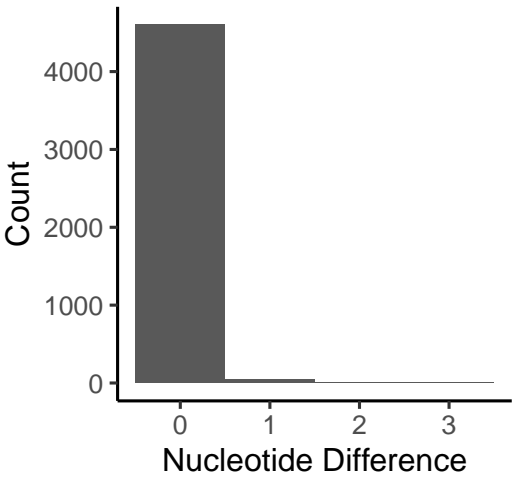
TRBV6-7*ap01

341 sequences assigned
333 (97.7%) exact matches, in which:
327 unique CDR3
13 unique J



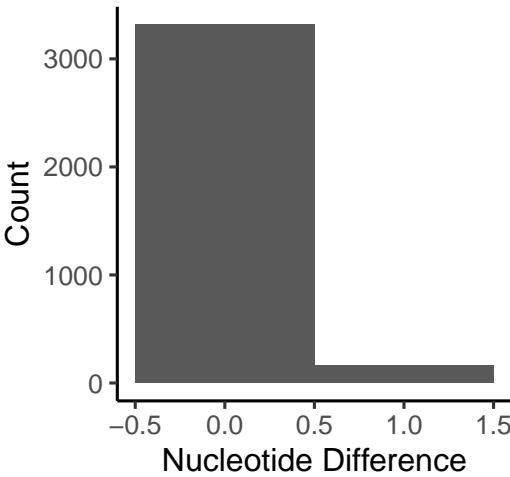
TRBV5-6*ap01

4654 sequences assigned
4602 (98.9%) exact matches, in which:
4494 unique CDR3
13 unique J



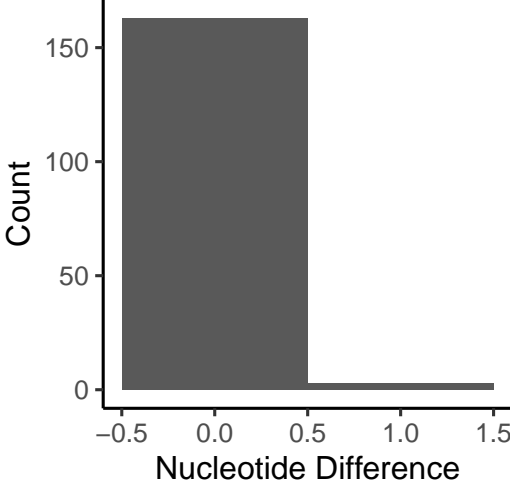
TRBV6-1*ap01

3477 sequences assigned
3316 (95.4%) exact matches, in which:
3236 unique CDR3
13 unique J



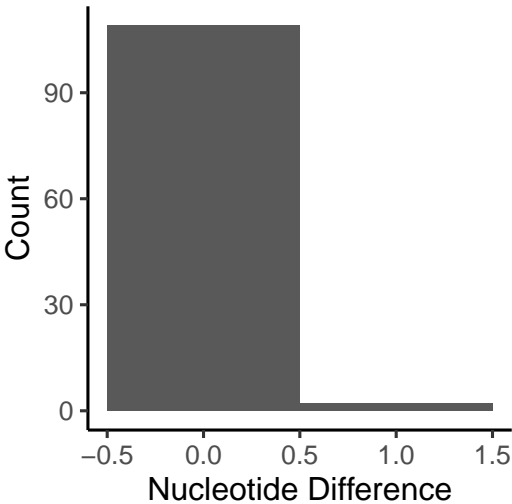
TRBV6-8*ap01

166 sequences assigned
163 (98.2%) exact matches, in which:
159 unique CDR3
12 unique J



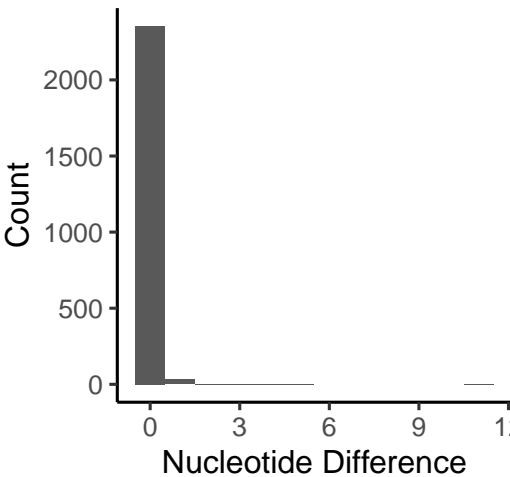
TRBV5-7*ap01

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



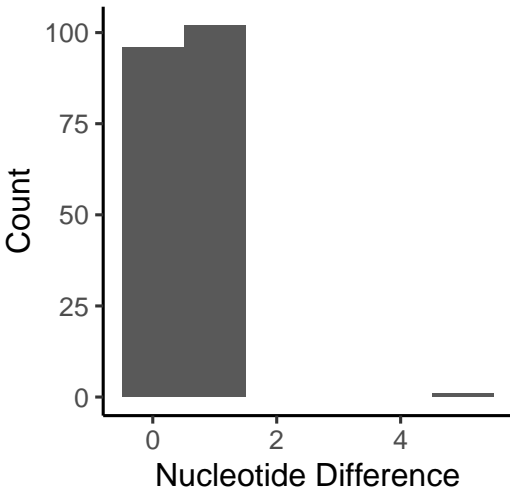
TRBV6-4*ap01

2394 sequences assigned
2354 (98.3%) exact matches, in which:
2316 unique CDR3
13 unique J



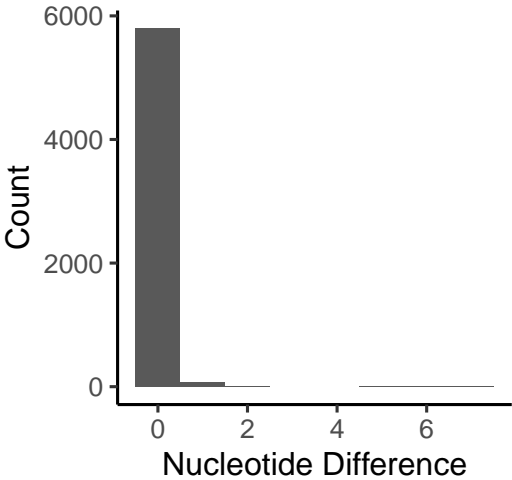
TRBV6-9*ap01

199 sequences assigned
96 (48.2%) exact matches, in which:
91 unique CDR3
12 unique J



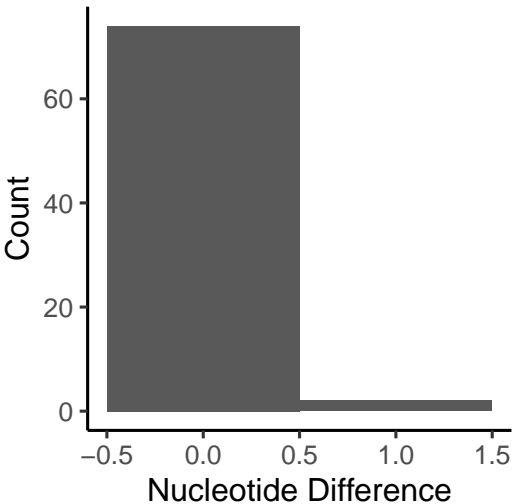
TRBV6-23*ap01

5871 sequences assigned
5797 (98.7%) exact matches, in which:
5698 unique CDR3
13 unique J



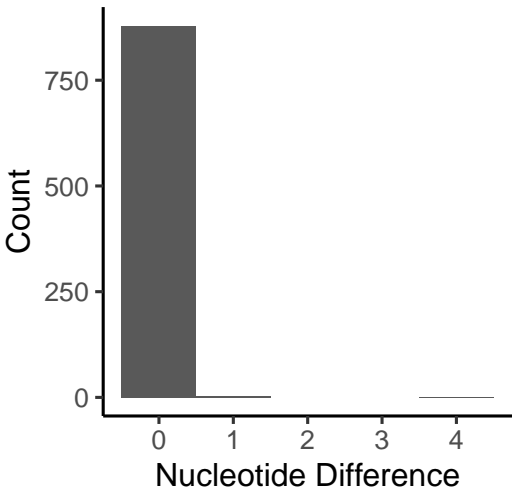
TRBV7-1*ap01_G291C_T

76 sequences assigned
74 (97.4%) exact matches, in which:
74 unique CDR3
13 unique J



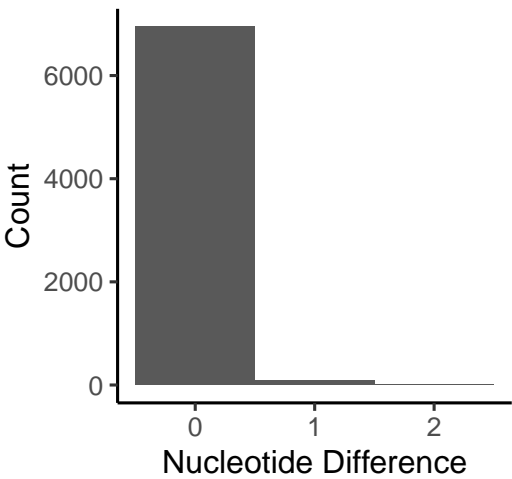
TRBV7-3*ap02

883 sequences assigned
879 (99.5%) exact matches, in which:
865 unique CDR3
13 unique J



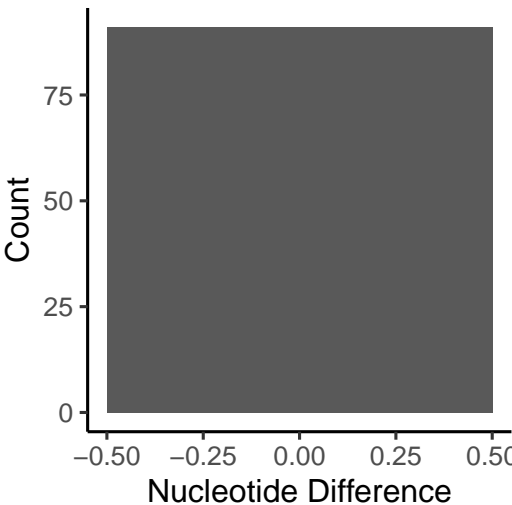
TRBV6-56*ap01

7040 sequences assigned
6947 (98.7%) exact matches, in which:
6796 unique CDR3
13 unique J



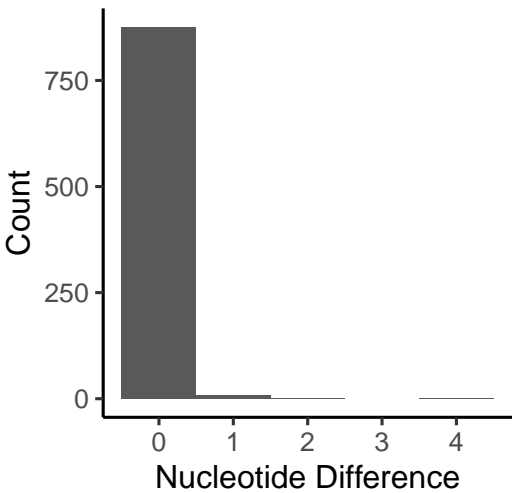
TRBV7-1*ap01_G291C_T

91 sequences assigned
91 (100%) exact matches, in which:
90 unique CDR3
13 unique J



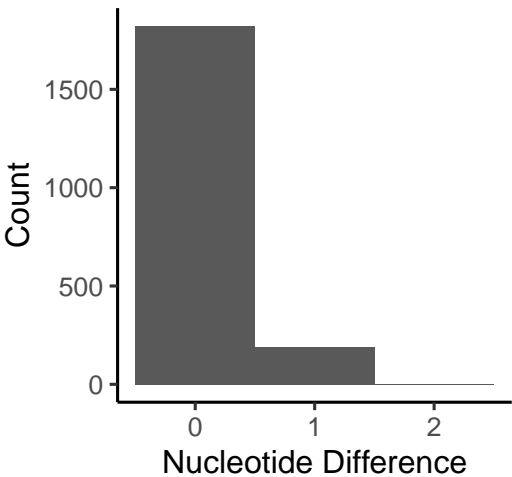
TRBV7-3*ap03

888 sequences assigned
876 (98.6%) exact matches, in which:
859 unique CDR3
13 unique J



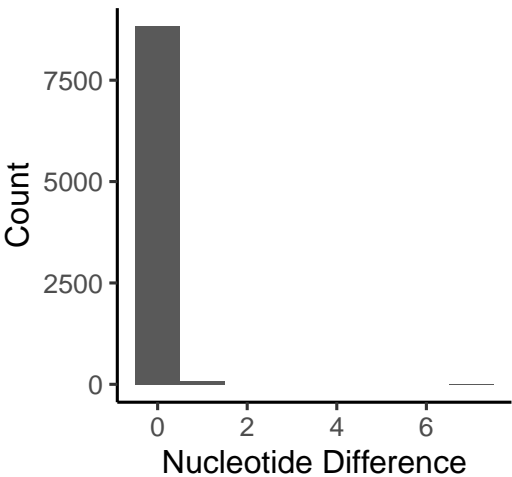
TRBV6-56*ap02

2013 sequences assigned
1822 (90.5%) exact matches, in which:
1774 unique CDR3
13 unique J



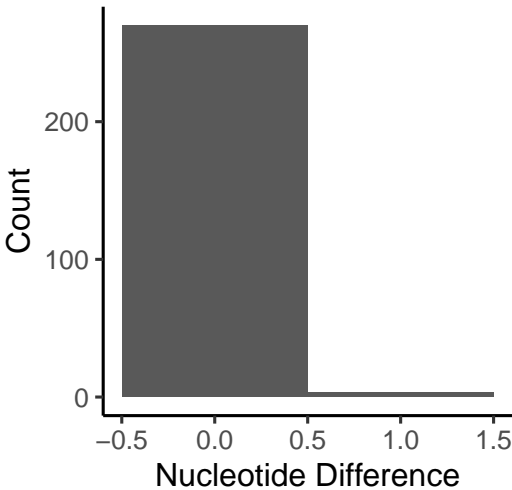
TRBV7-2*ap01

8918 sequences assigned
8836 (99.1%) exact matches, in which:
8676 unique CDR3
13 unique J



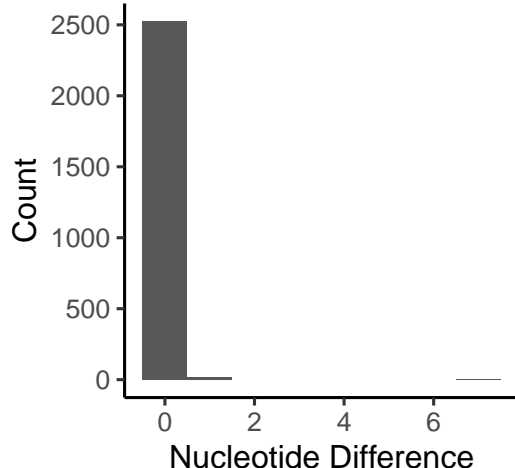
TRBV7-4*ap01

273 sequences assigned
270 (98.9%) exact matches, in which:
264 unique CDR3
13 unique J



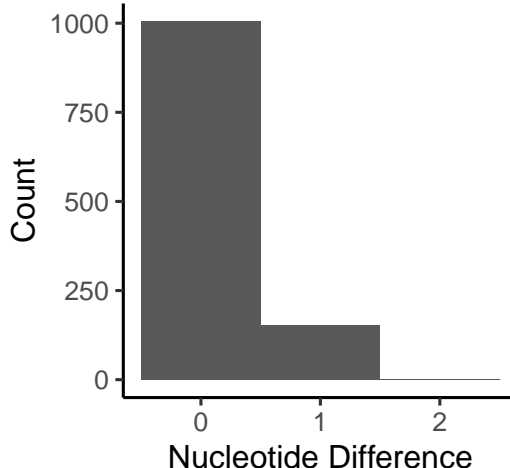
TRBV7-6*ap01

2546 sequences assigned
2524 (99.1%) exact matches, in which:
2466 unique CDR3
13 unique J



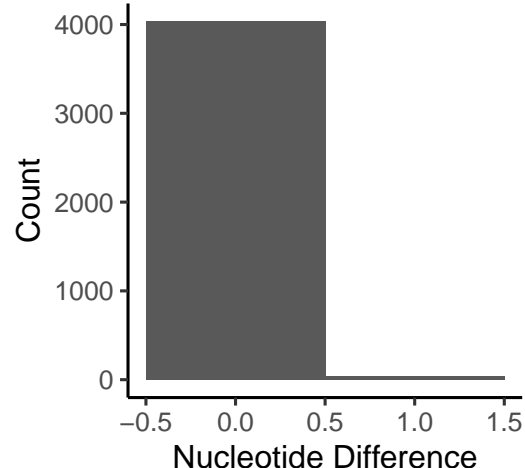
TRBV7-8*ap01

1160 sequences assigned
1005 (86.6%) exact matches, in which:
984 unique CDR3
13 unique J



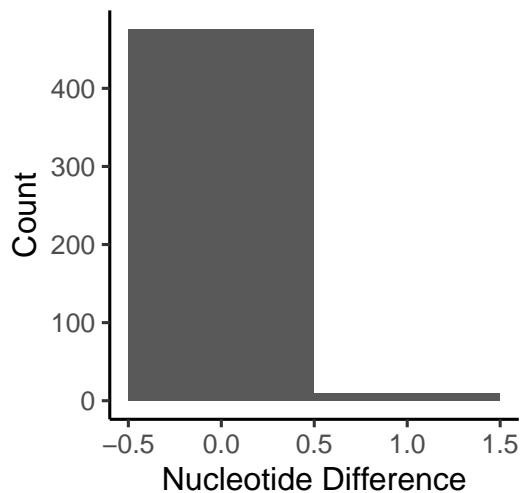
TRBV29-1*ap01

4078 sequences assigned
4035 (98.9%) exact matches, in which:
3960 unique CDR3
13 unique J



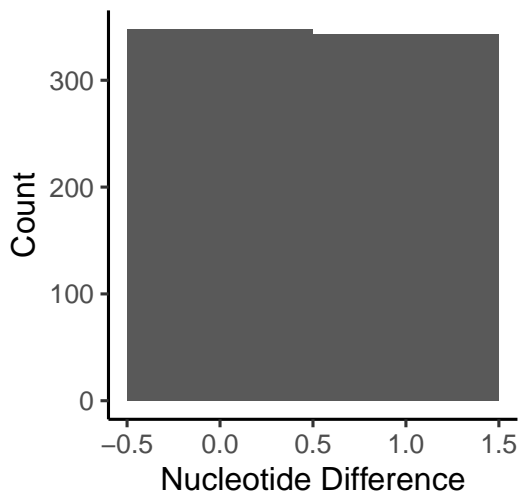
TRBV7-7*ap01

485 sequences assigned
476 (98.1%) exact matches, in which:
465 unique CDR3
12 unique J



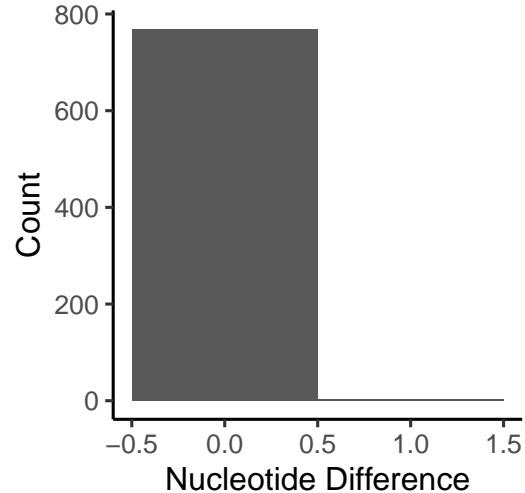
TRBV7-8*ap03

691 sequences assigned
348 (50.4%) exact matches, in which:
341 unique CDR3
13 unique J



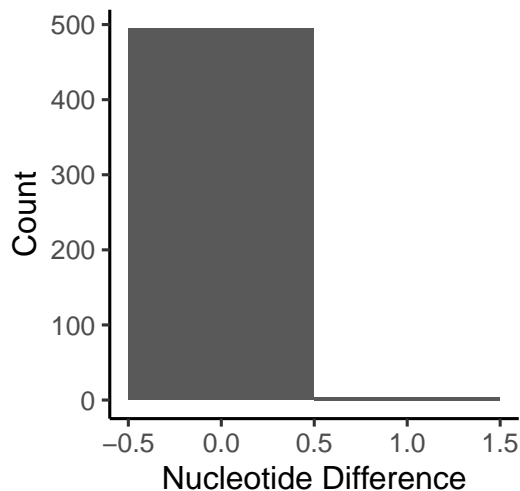
TRBV29-1*ap02

773 sequences assigned
769 (99.5%) exact matches, in which:
751 unique CDR3
13 unique J



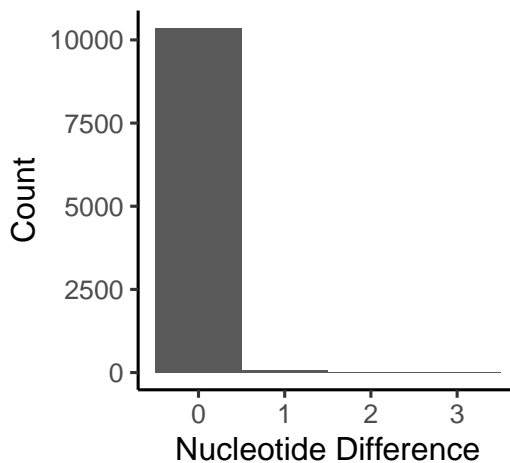
TRBV7-7*ap01_C315T

499 sequences assigned
495 (99.2%) exact matches, in which:
485 unique CDR3
13 unique J

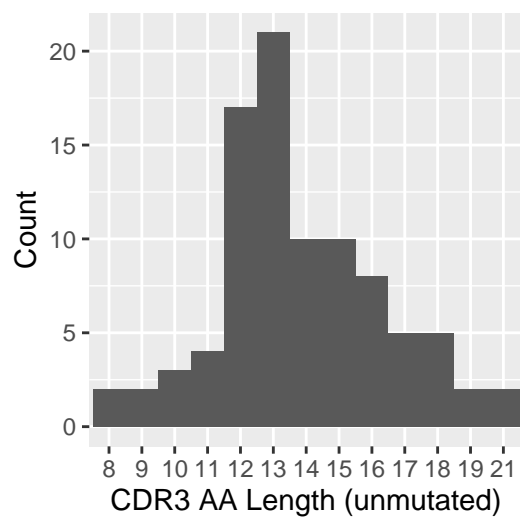


TRBV7-9*ap01

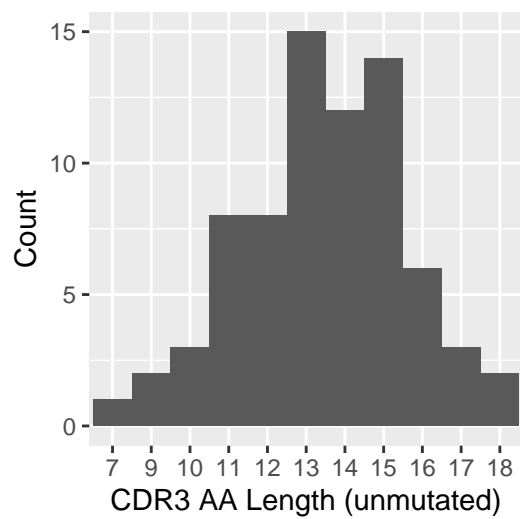
10457 sequences assigned
10364 (99.1%) exact matches, in which:
10157 unique CDR3
13 unique J



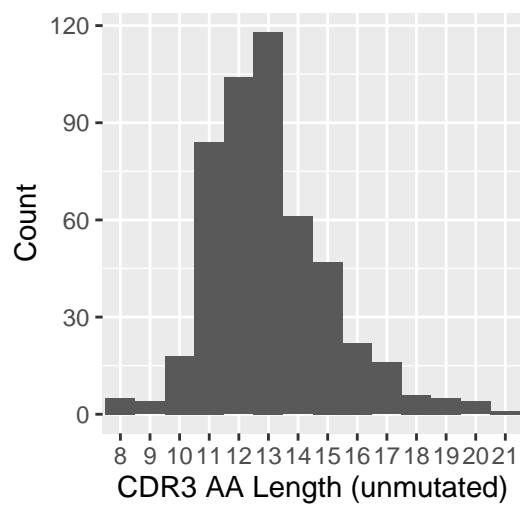
TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]