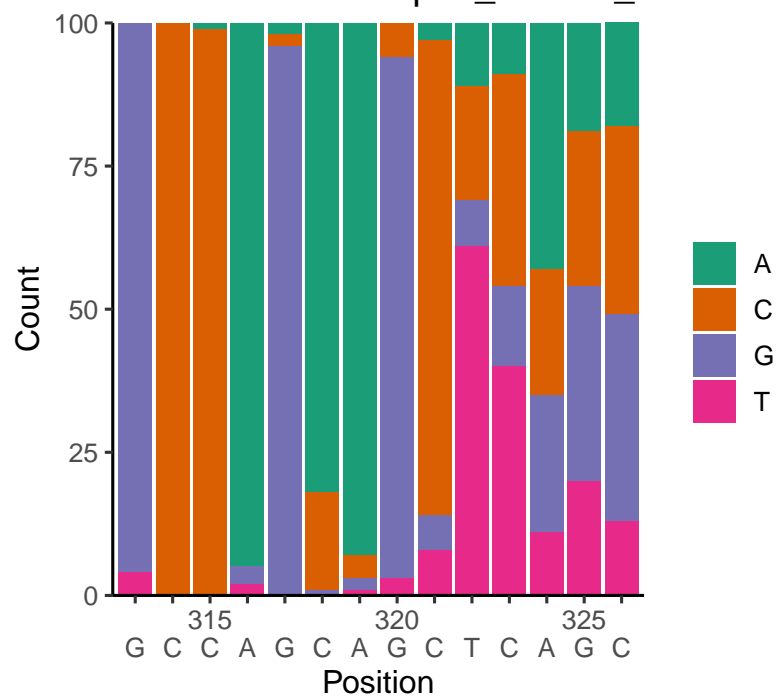
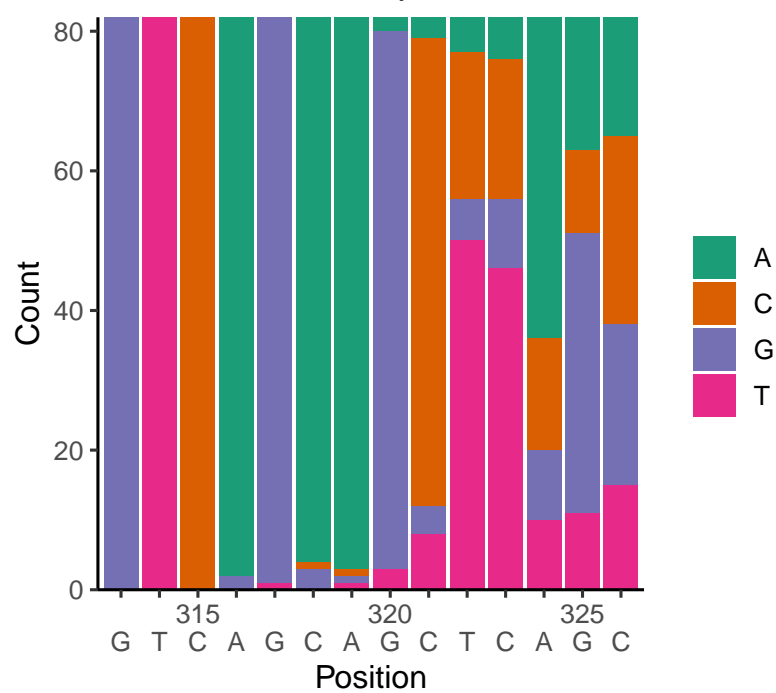


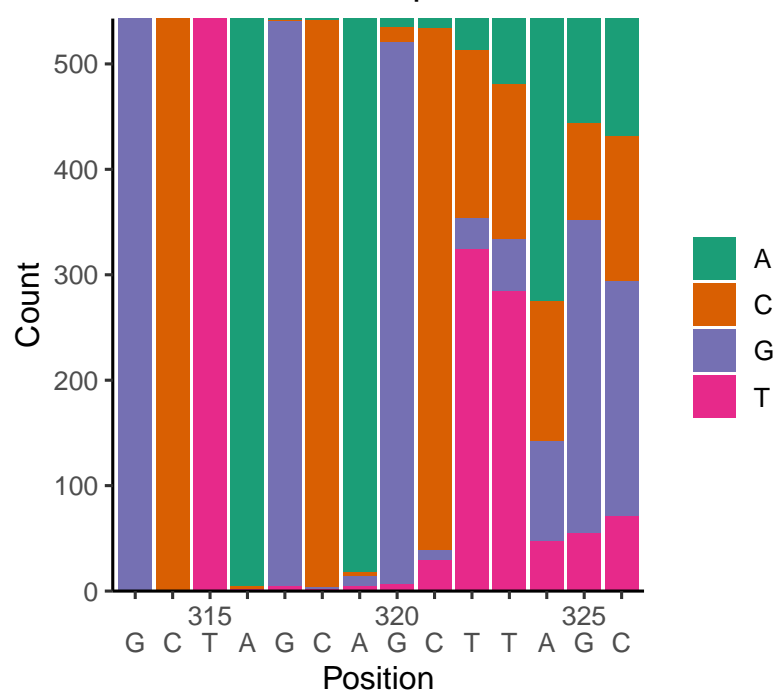
Gene TRBV7-1*ap01_G291C_T296C



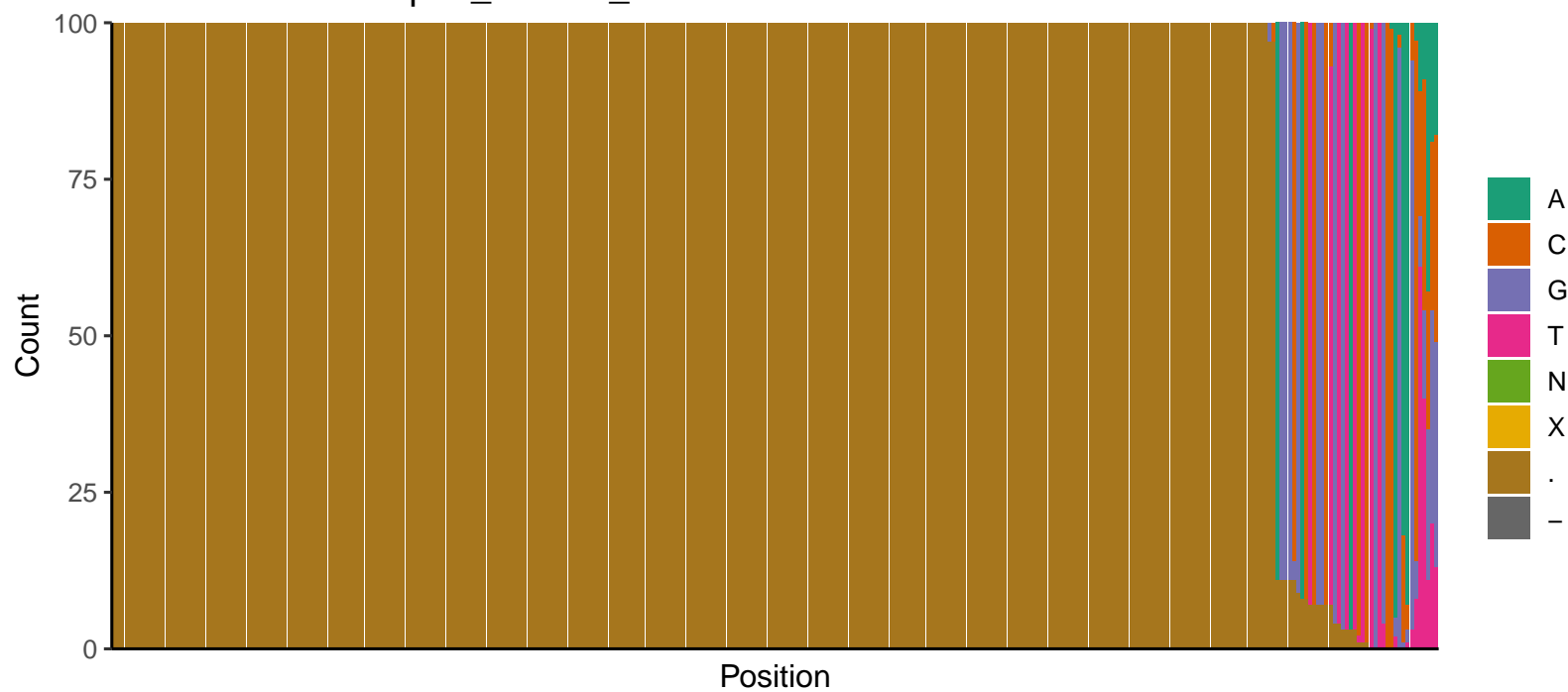
Gene TRBV7-1*ap01_G291C_T296C_C314T



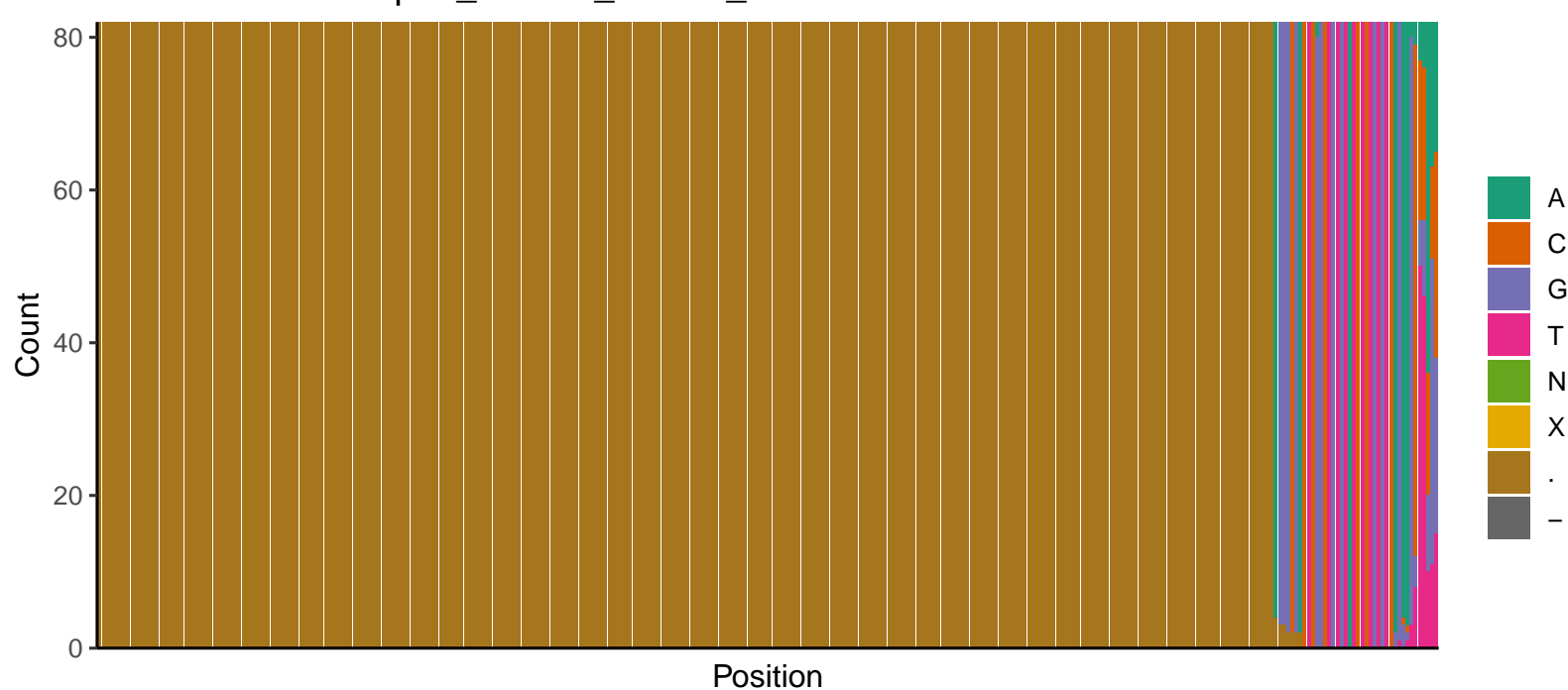
Gene TRBV7-7*ap01_C315T



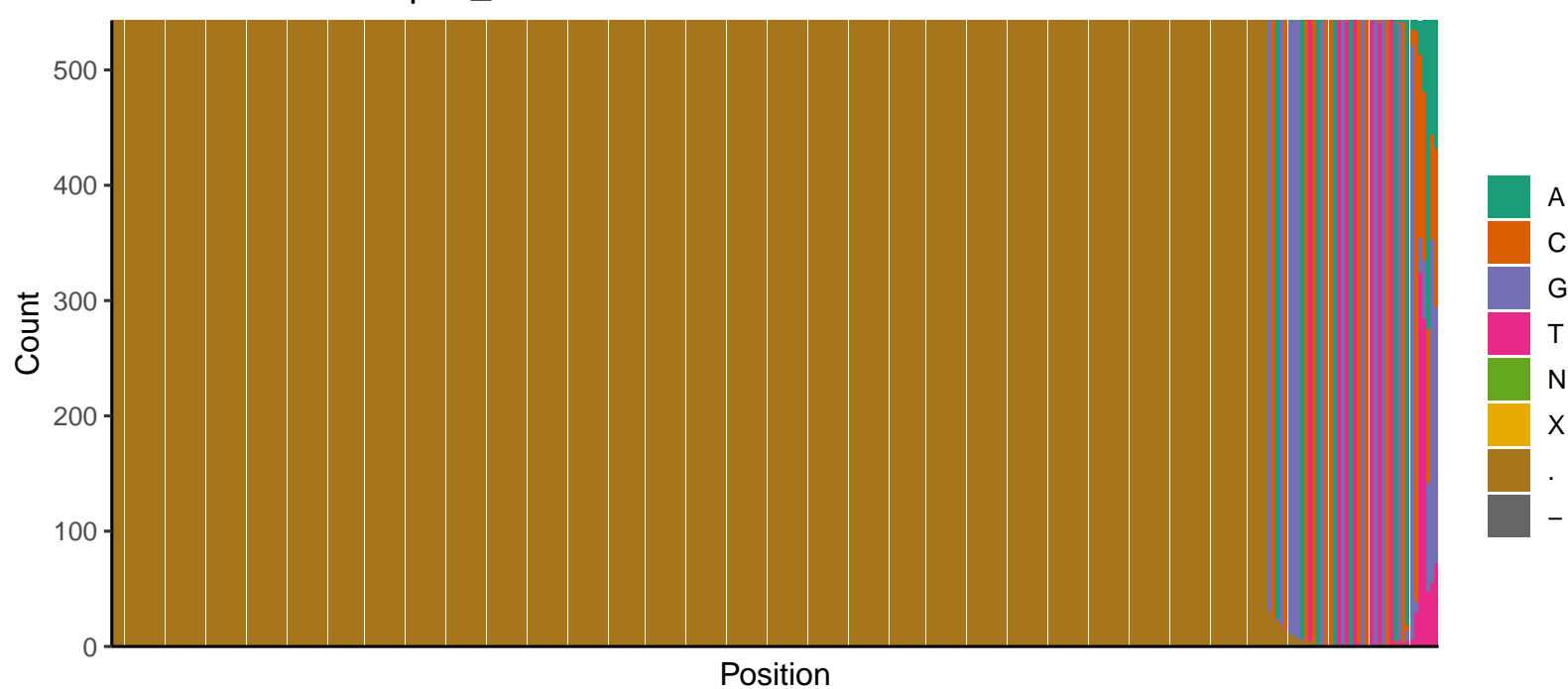
Gene TRBV7-1*ap01_G291C_T296C



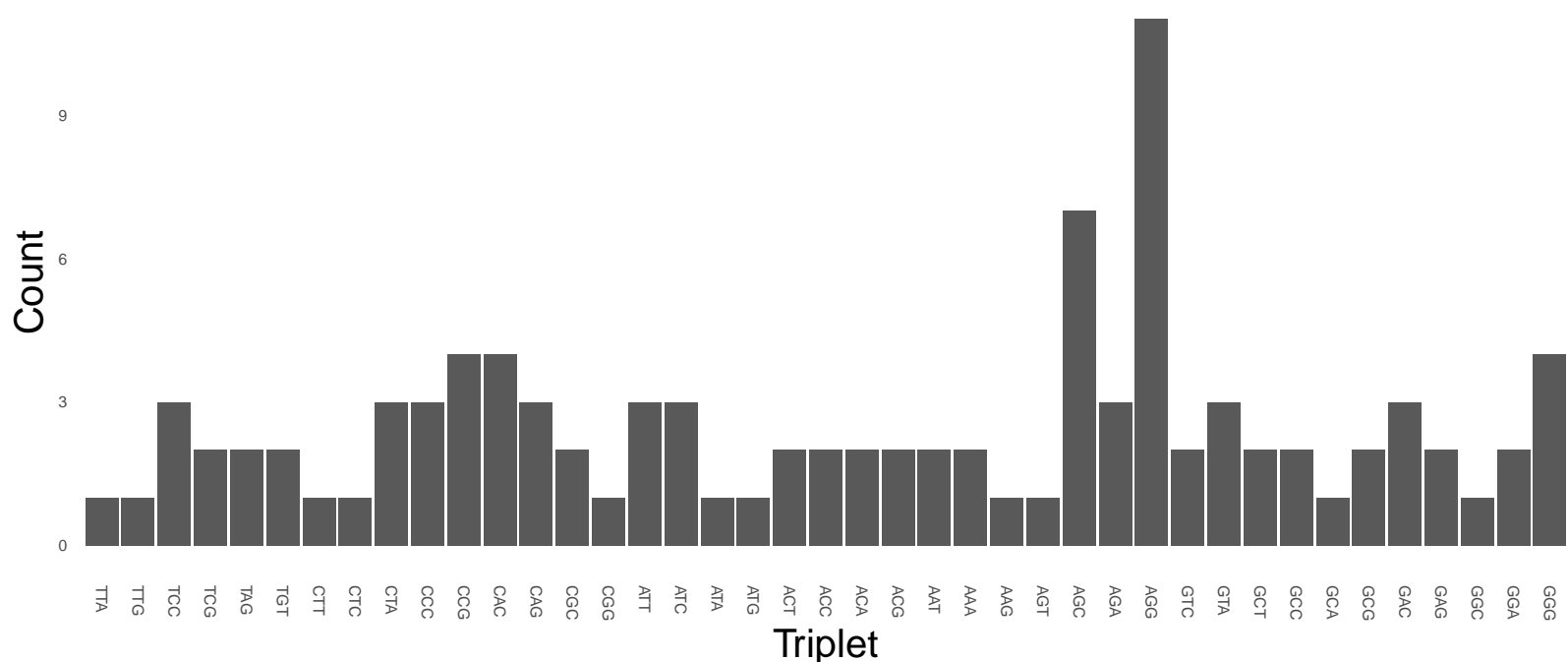
Gene TRBV7-1*ap01_G291C_T296C_C314T



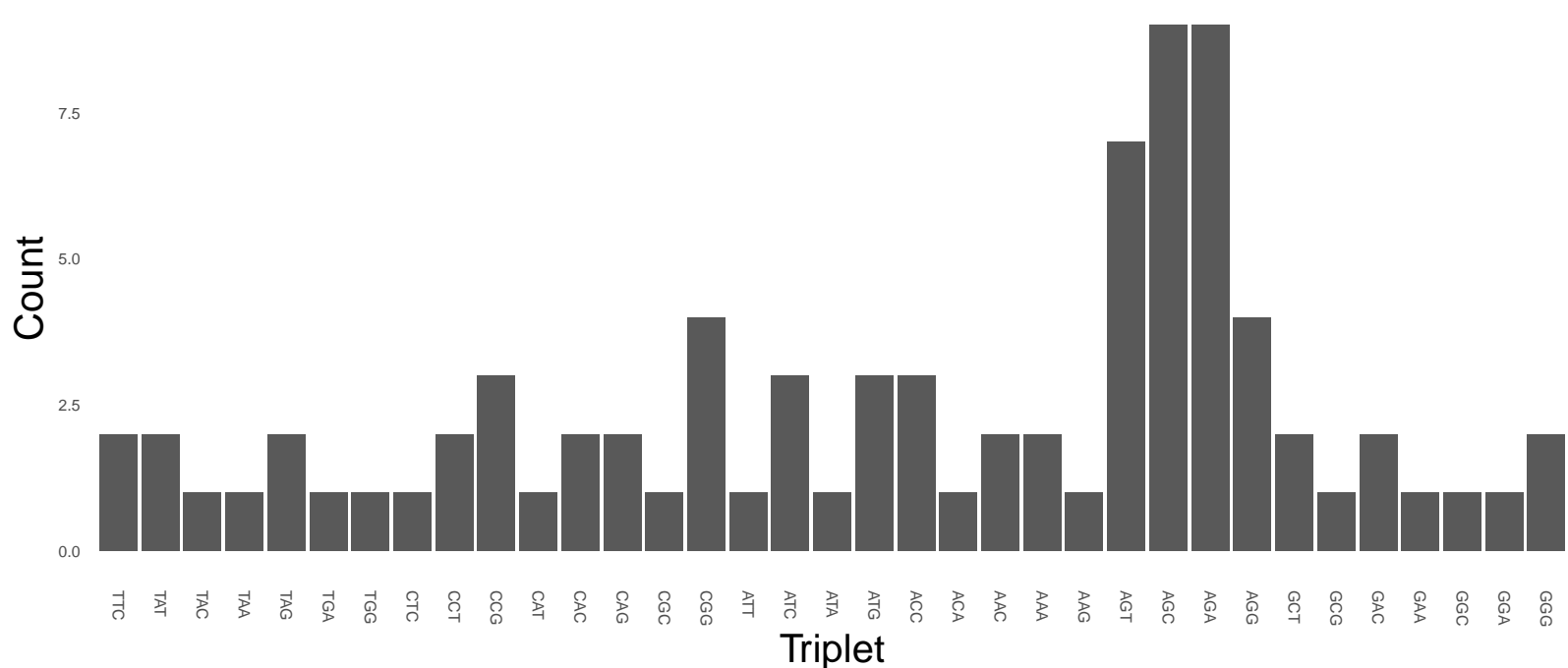
Gene TRBV7-7*ap01_C315T



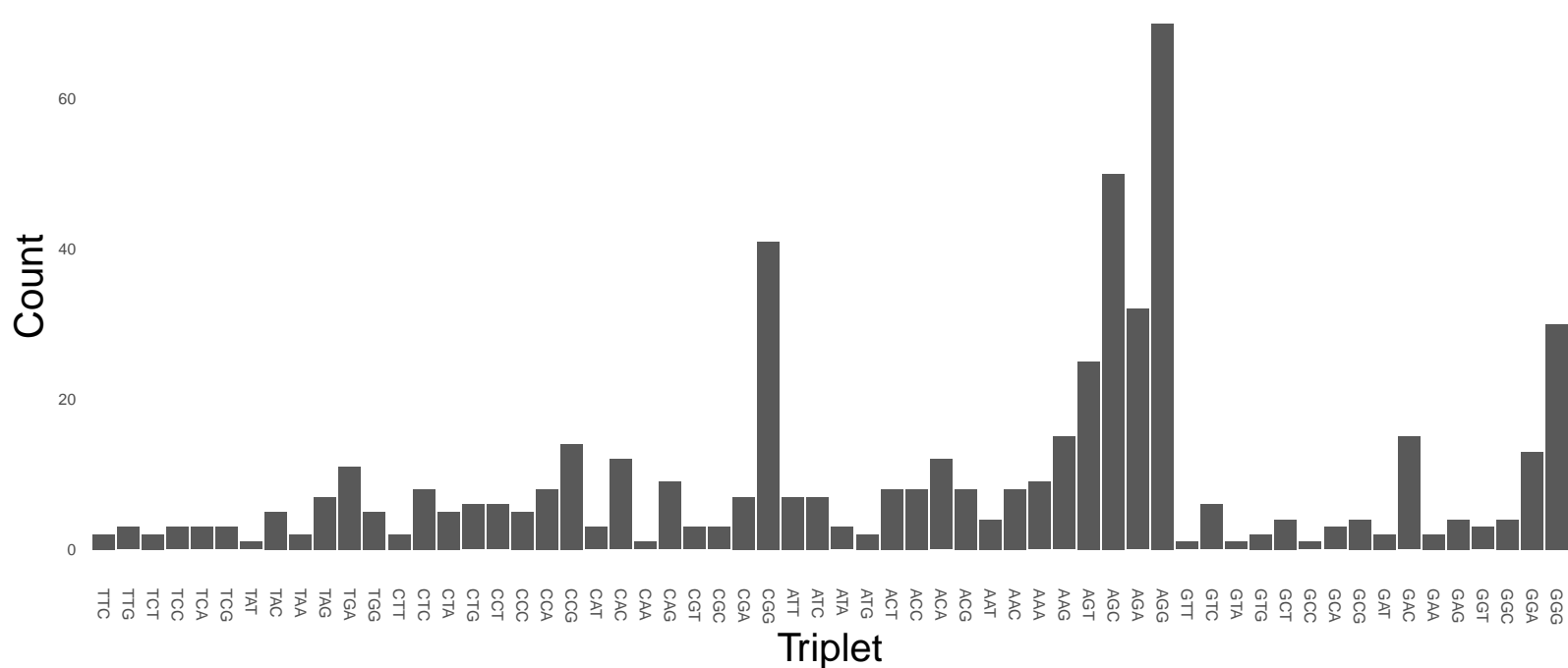
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



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

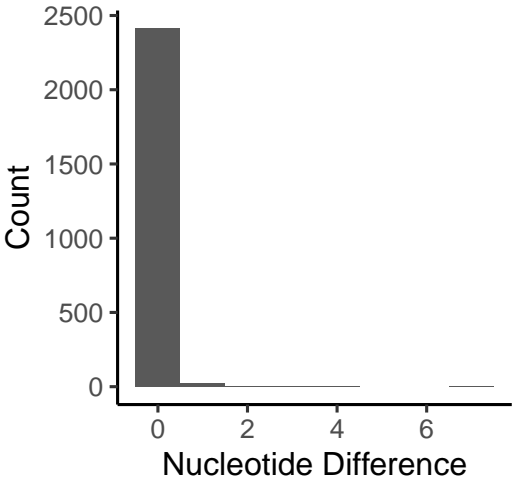


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



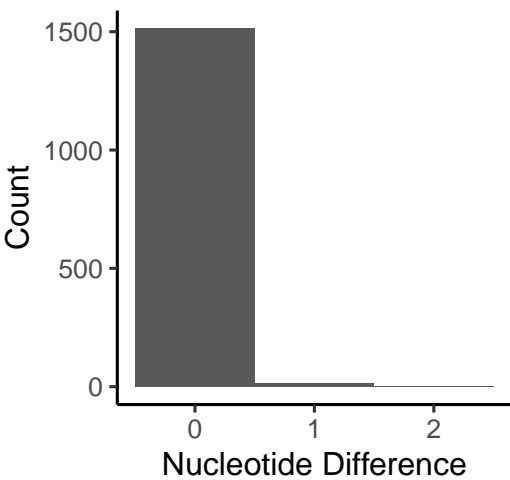
TRBV10-1*ap01

2442 sequences assigned
2413 (98.8%) exact matches, in which:
2340 unique CDR3
13 unique J



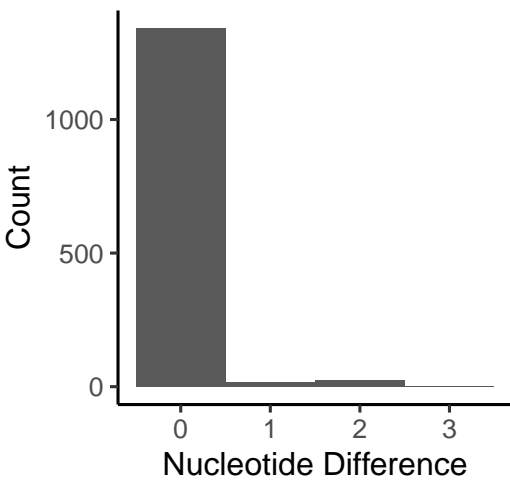
TRBV10-2*ap01

1528 sequences assigned
1514 (99.1%) exact matches, in which:
1475 unique CDR3
13 unique J



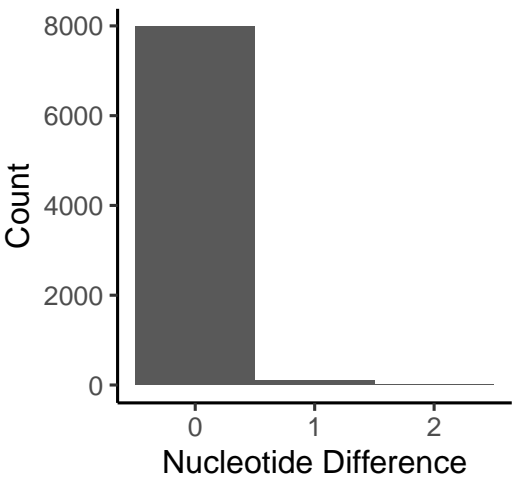
TRBV13*ap01

1384 sequences assigned
1341 (96.9%) exact matches, in which:
1309 unique CDR3
13 unique J



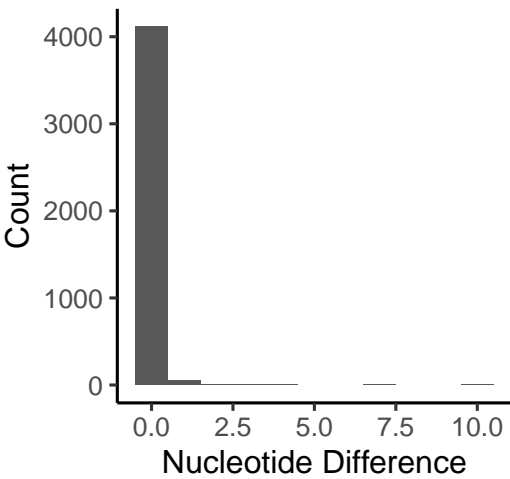
TRBV20-1*ap01

8081 sequences assigned
7981 (98.8%) exact matches, in which:
7794 unique CDR3
13 unique J



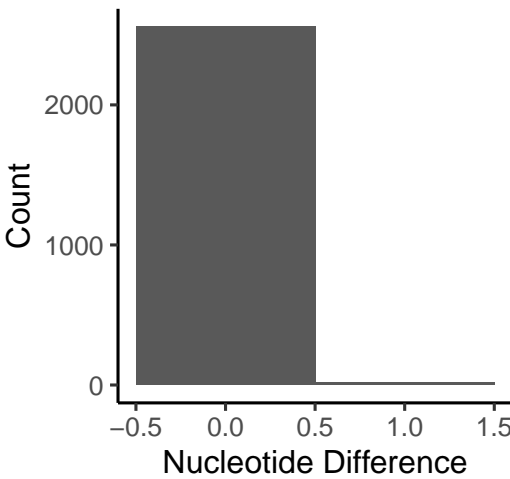
TRBV10-3*ap01

4176 sequences assigned
4115 (98.5%) exact matches, in which:
4015 unique CDR3
14 unique J



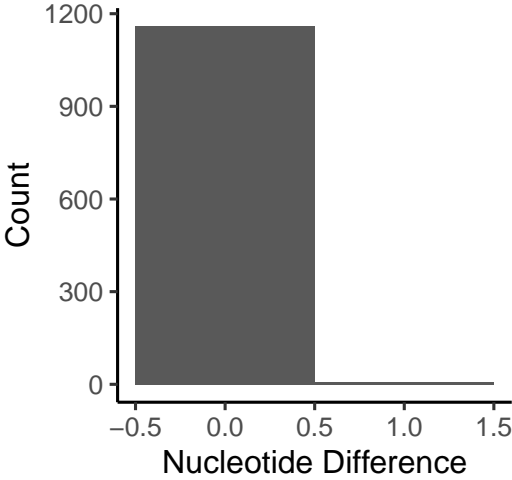
TRBV14*ap01

2577 sequences assigned
2558 (99.3%) exact matches, in which:
2489 unique CDR3
13 unique J



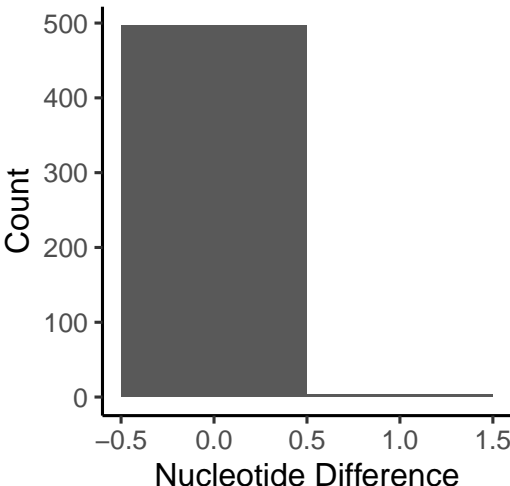
TRBV20-1*ap02

1168 sequences assigned
1160 (99.3%) exact matches, in which:
1129 unique CDR3
13 unique J



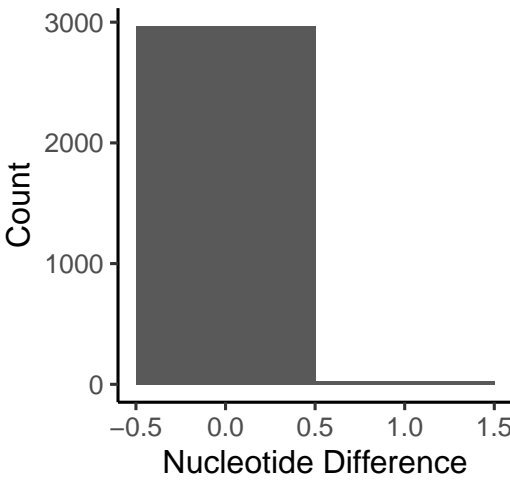
TRBV1*ap01

500 sequences assigned
497 (99.4%) exact matches, in which:
485 unique CDR3
13 unique J



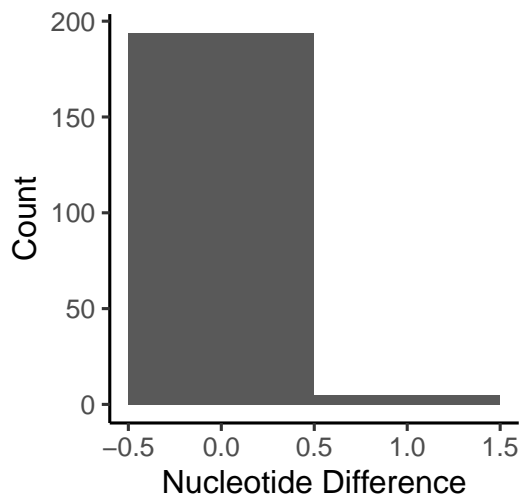
TRBV15*ap02

2997 sequences assigned
2968 (99%) exact matches, in which:
2887 unique CDR3
13 unique J



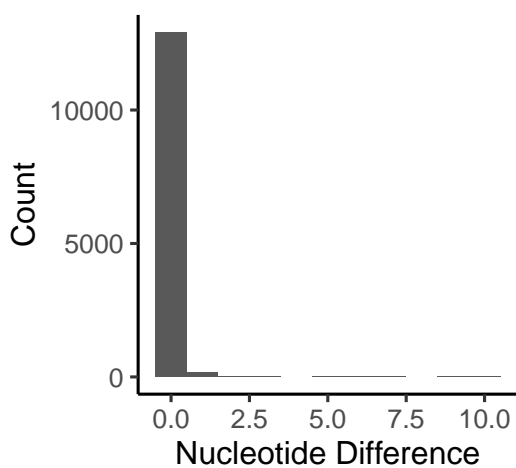
TRBV16*ap01

199 sequences assigned
194 (97.5%) exact matches, in which:
193 unique CDR3
13 unique J



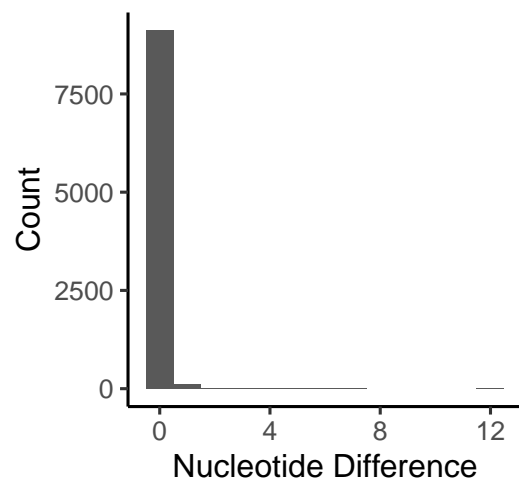
TRBV19*ap01

13099 sequences assigned
12918 (98.6%) exact matches, in which:
12705 unique CDR3
13 unique J



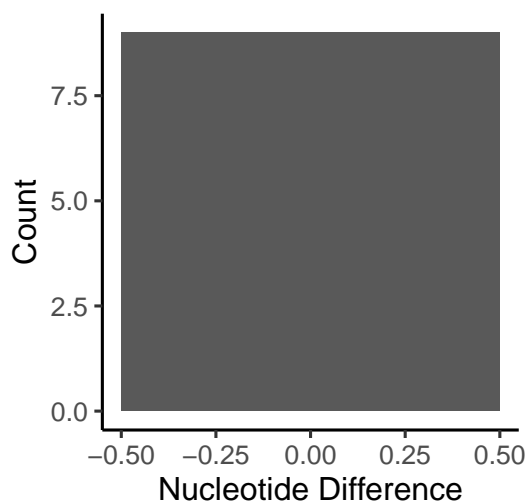
TRBV27*ap01

9238 sequences assigned
9116 (98.7%) exact matches, in which:
8848 unique CDR3
13 unique J



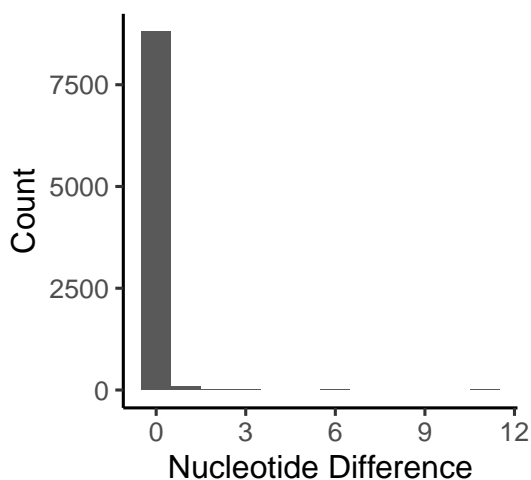
TRBV17*ap01

9 sequences assigned
9 (100%) exact matches, in which:
9 unique CDR3
6 unique J



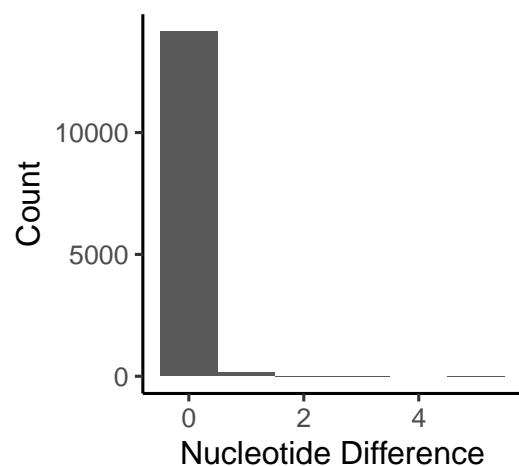
TRBV2*ap01

8885 sequences assigned
8802 (99.1%) exact matches, in which:
8607 unique CDR3
13 unique J



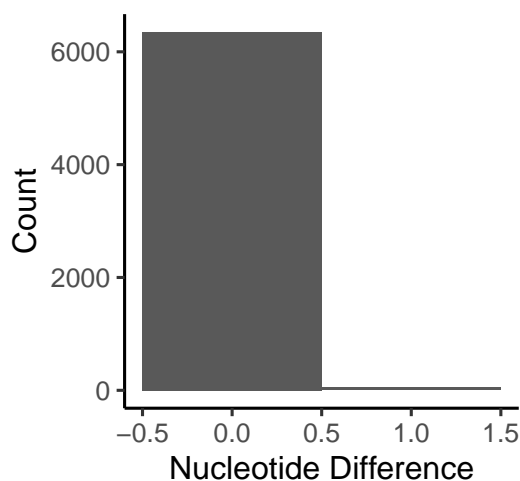
TRBV28*ap01

14316 sequences assigned
14149 (98.8%) exact matches, in which:
13784 unique CDR3
13 unique J



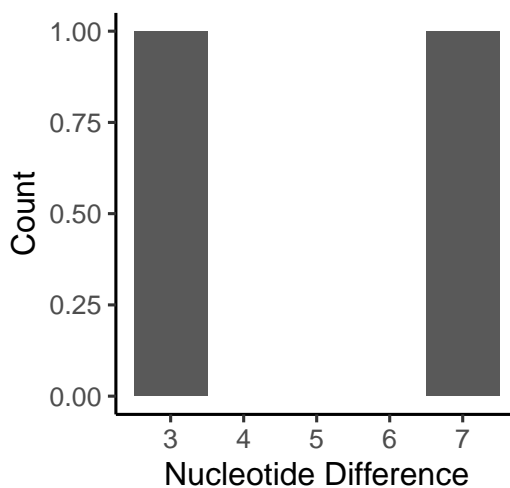
TRBV18*ap01

6400 sequences assigned
6350 (99.2%) exact matches, in which:
6225 unique CDR3
13 unique J



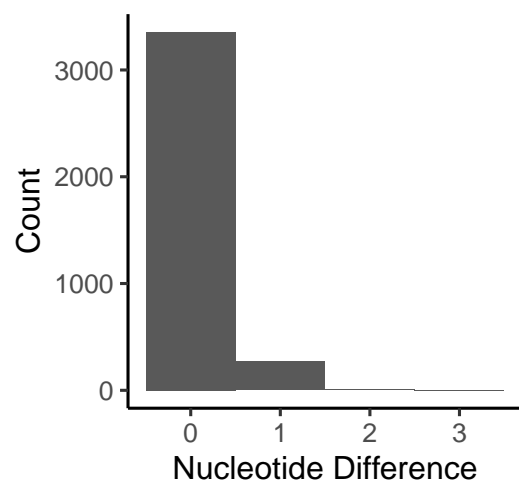
TRBV26*ap01

2 sequences assigned
No exact matches.



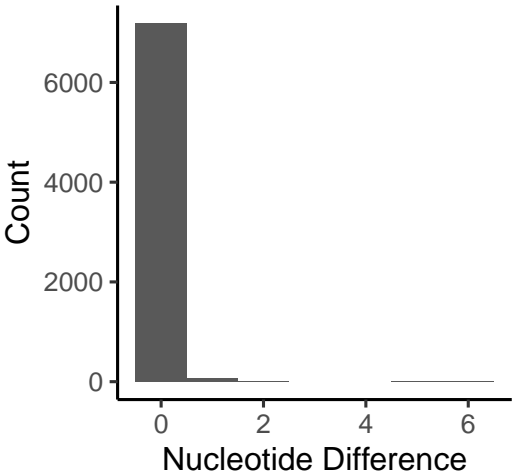
TRBV30*ap01

3634 sequences assigned
3355 (92.3%) exact matches, in which:
3308 unique CDR3
13 unique J



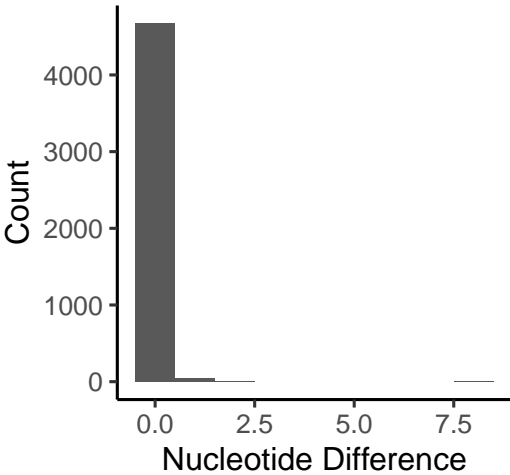
TRBV9*ap01

7260 sequences assigned
7184 (99%) exact matches, in which:
7002 unique CDR3
13 unique J



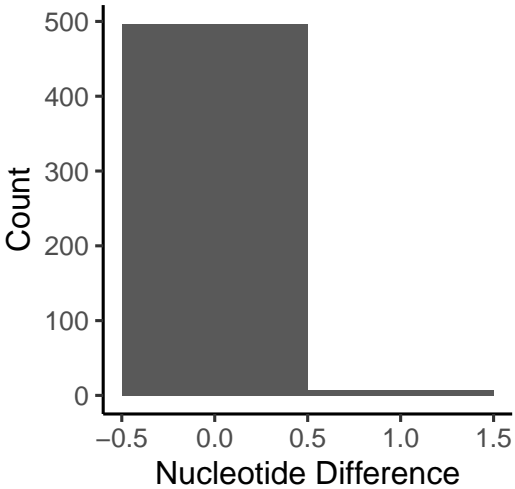
TRBV11-2*ap01

4725 sequences assigned
4672 (98.9%) exact matches, in which:
4565 unique CDR3
13 unique J



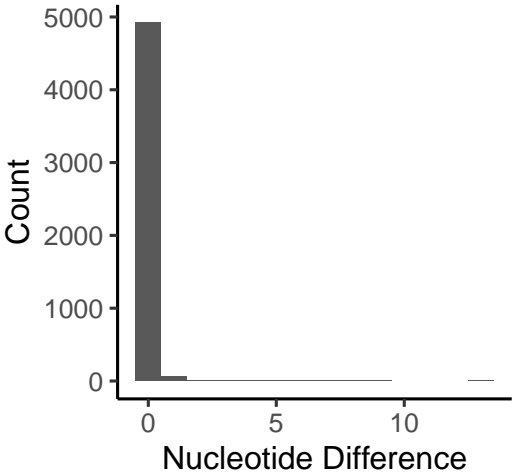
TRBV12-2*ap01

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



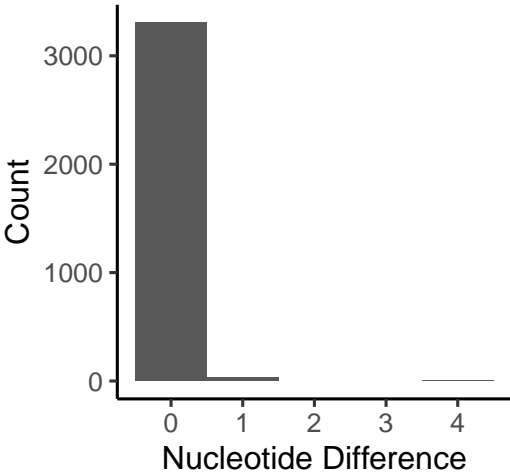
TRBV21-1*ap01

5023 sequences assigned
4921 (98%) exact matches, in which:
4802 unique CDR3
13 unique J



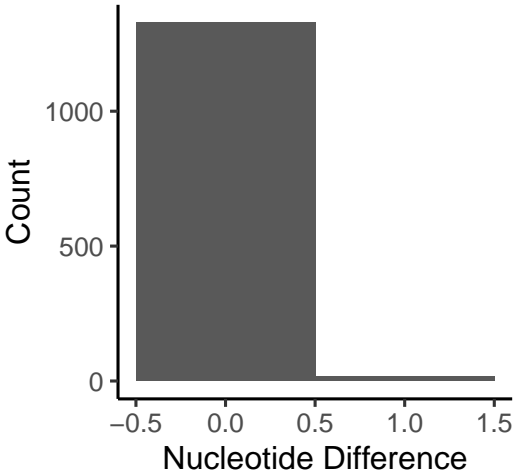
TRBV11-3*ap01

3343 sequences assigned
3305 (98.9%) exact matches, in which:
3234 unique CDR3
13 unique J



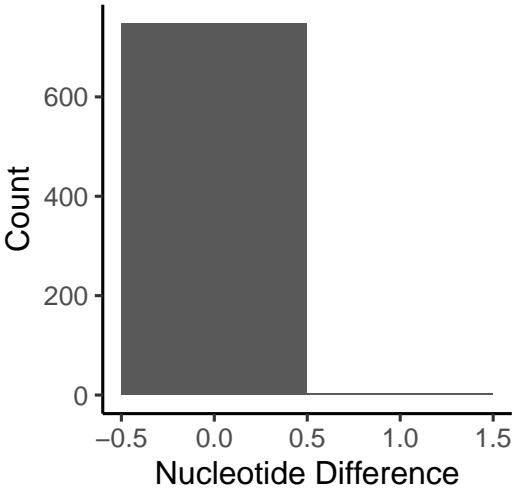
TRBV12-5*ap01

1344 sequences assigned
1328 (98.8%) exact matches, in which:
1299 unique CDR3
13 unique J



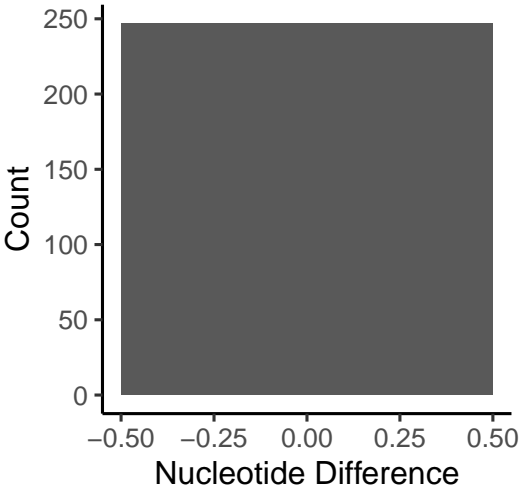
TRBV11-1*ap01

752 sequences assigned
748 (99.5%) exact matches, in which:
730 unique CDR3
13 unique J



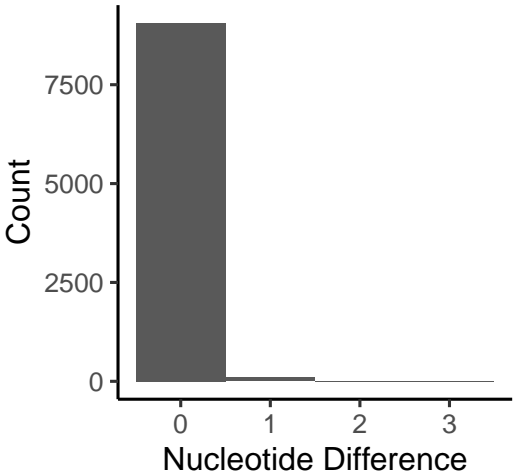
TRBV12-1*ap01

247 sequences assigned
247 (100%) exact matches, in which:
240 unique CDR3
13 unique J



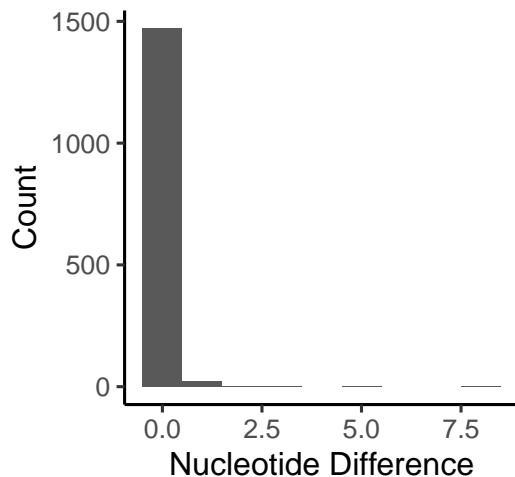
TRBV12-34*ap01

9159 sequences assigned
9059 (98.9%) exact matches, in which:
8892 unique CDR3
13 unique J



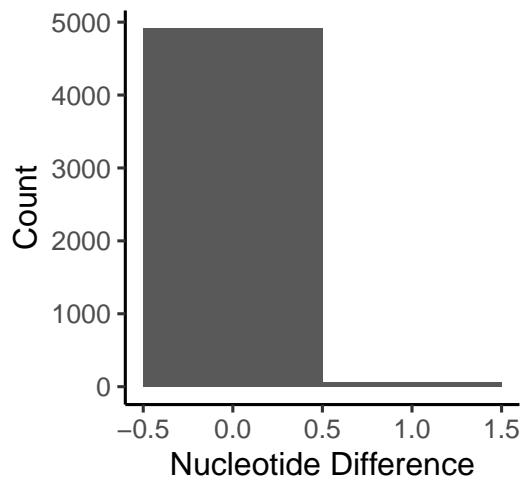
TRBV23-1*ap01

1500 sequences assigned
1471 (98.1%) exact matches, in which:
1433 unique CDR3
13 unique J



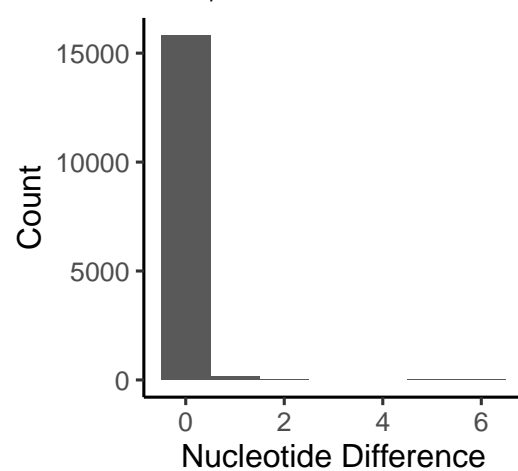
TRBV4-1*ap01

4971 sequences assigned
4914 (98.9%) exact matches, in which:
4828 unique CDR3
13 unique J



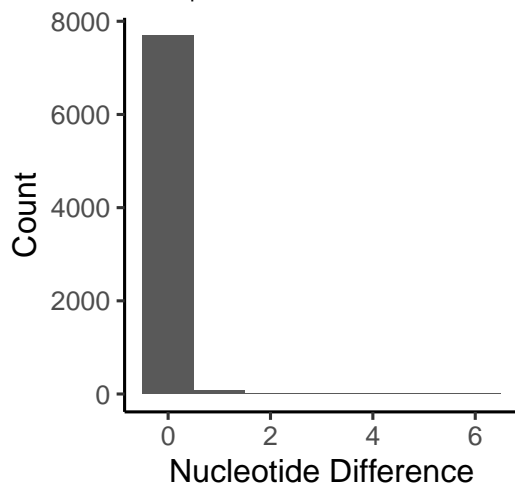
TRBV5-1*ap01

15981 sequences assigned
15827 (99%) exact matches, in which:
15430 unique CDR3
13 unique J



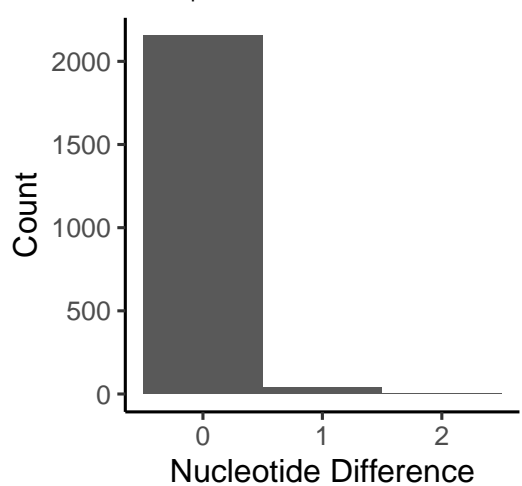
TRBV3-12*ap01

7783 sequences assigned
7690 (98.8%) exact matches, in which:
7533 unique CDR3
13 unique J



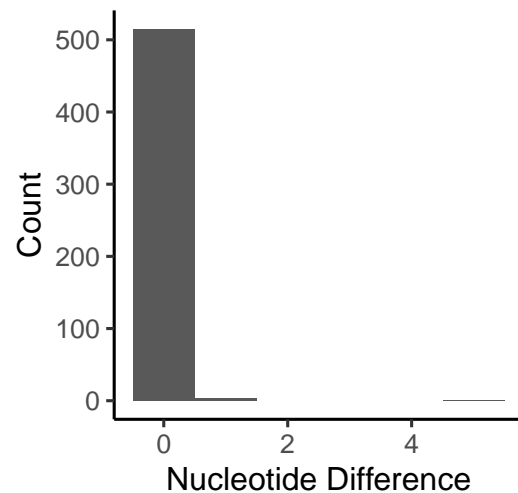
TRBV4-2*ap01

2193 sequences assigned
2154 (98.2%) exact matches, in which:
2104 unique CDR3
13 unique J



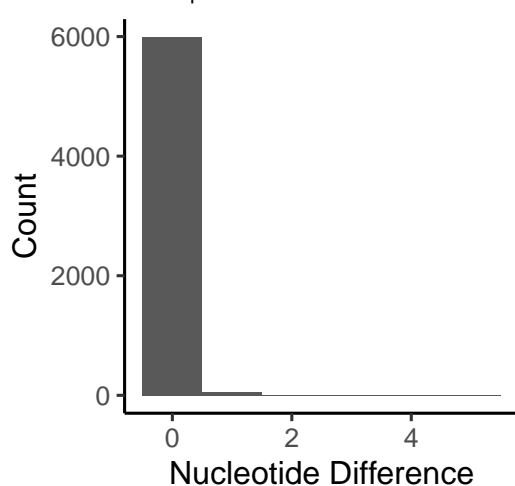
TRBV5-3*ap01

520 sequences assigned
515 (99%) exact matches, in which:
500 unique CDR3
13 unique J



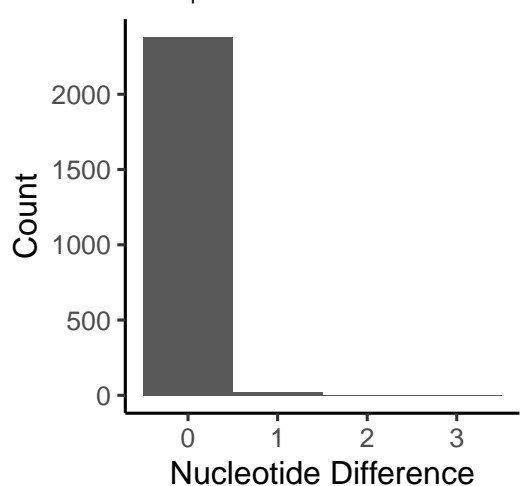
TRBV24-1*ap01

6065 sequences assigned
5992 (98.8%) exact matches, in which:
5901 unique CDR3
13 unique J



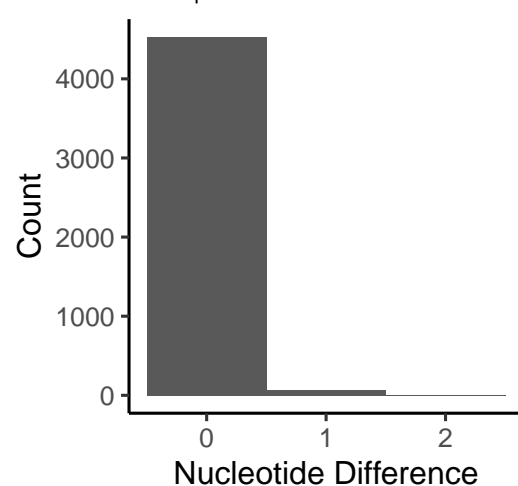
TRBV25-1*ap01

2409 sequences assigned
2380 (98.8%) exact matches, in which:
2340 unique CDR3
13 unique J



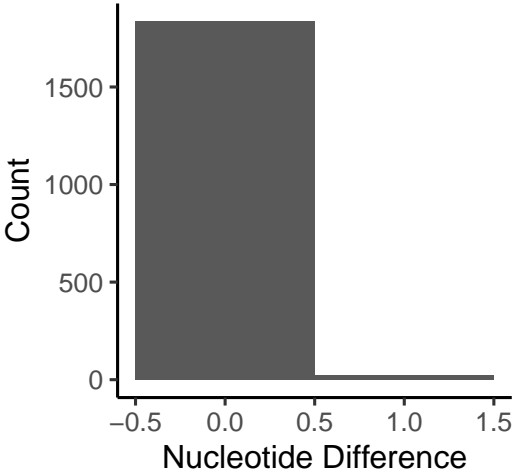
TRBV5-4*ap01

4595 sequences assigned
4528 (98.5%) exact matches, in which:
4413 unique CDR3
13 unique J



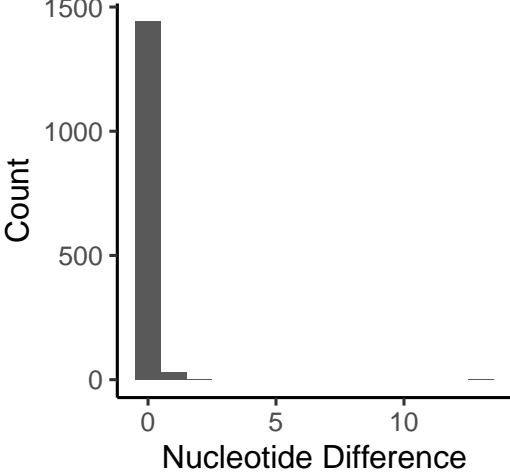
TRBV5-5*ap01

1859 sequences assigned
1836 (98.8%) exact matches, in which:
1796 unique CDR3
13 unique J



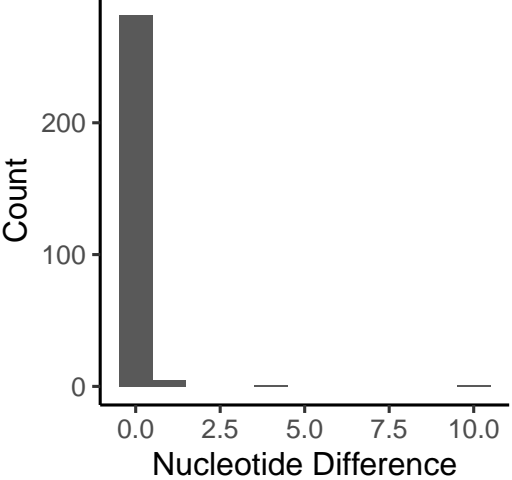
TRBV5-8*ap01

1474 sequences assigned
1442 (97.8%) exact matches, in which:
1401 unique CDR3
13 unique J



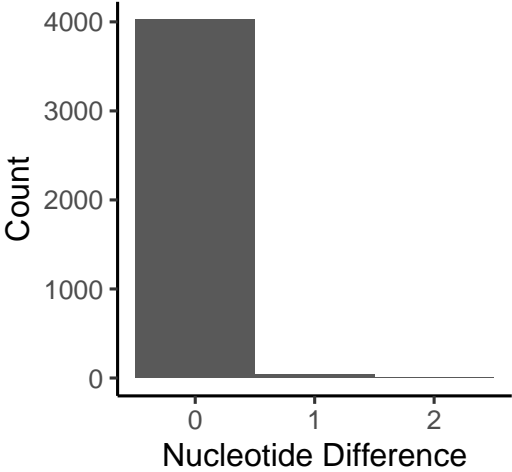
TRBV6-7*ap01

289 sequences assigned
282 (97.6%) exact matches, in which:
277 unique CDR3
13 unique J



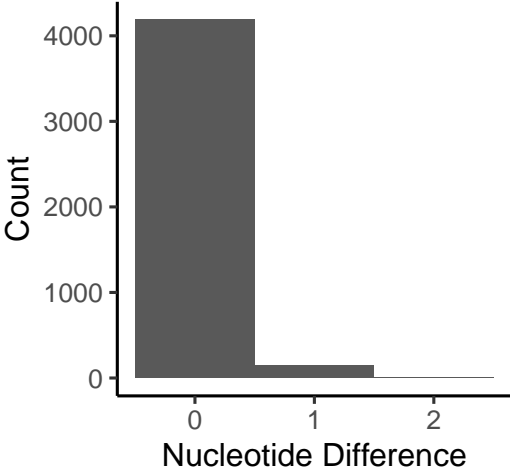
TRBV5-6*ap01

4060 sequences assigned
4024 (99.1%) exact matches, in which:
3920 unique CDR3
13 unique J



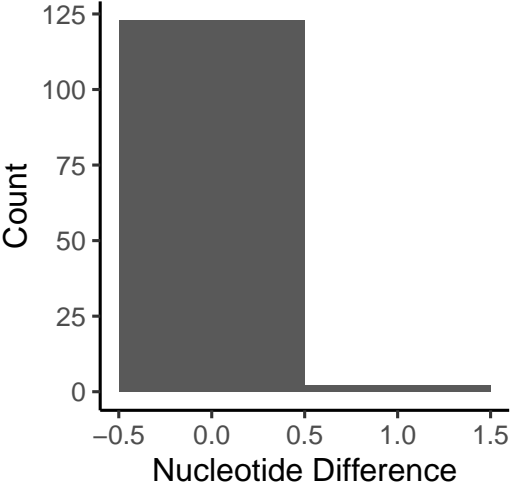
TRBV6-1*ap01

4333 sequences assigned
4188 (96.7%) exact matches, in which:
4097 unique CDR3
13 unique J



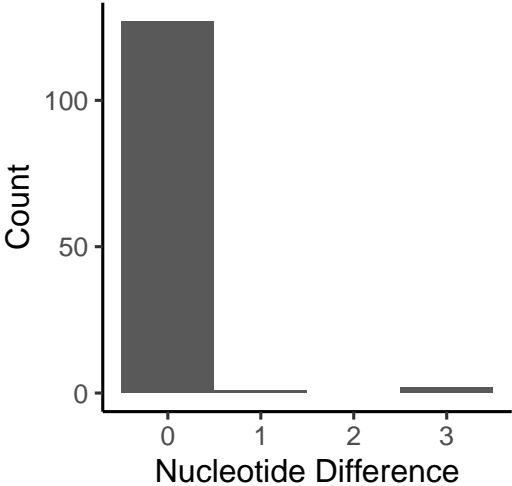
TRBV6-8*ap01

125 sequences assigned
123 (98.4%) exact matches, in which:
122 unique CDR3
13 unique J



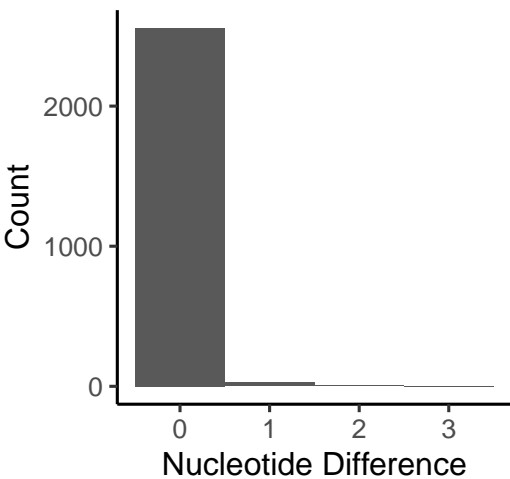
TRBV5-7*ap01

130 sequences assigned
127 (97.7%) exact matches, in which:
126 unique CDR3
13 unique J



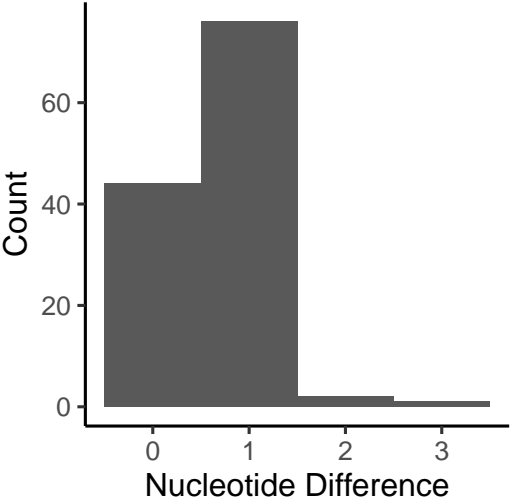
TRBV6-4*ap01

2590 sequences assigned
2557 (98.7%) exact matches, in which:
2508 unique CDR3
13 unique J



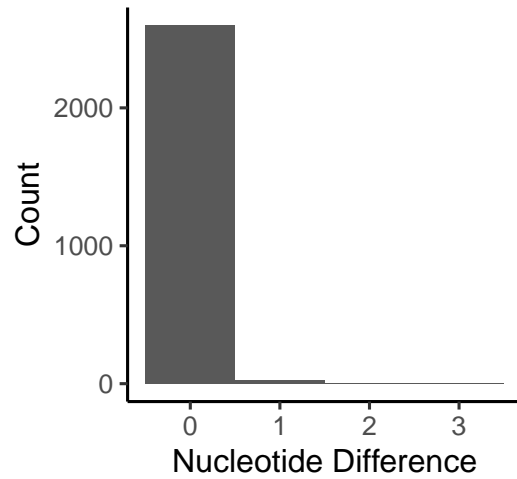
TRBV6-9*ap01

123 sequences assigned
44 (35.8%) exact matches, in which:
42 unique CDR3
11 unique J



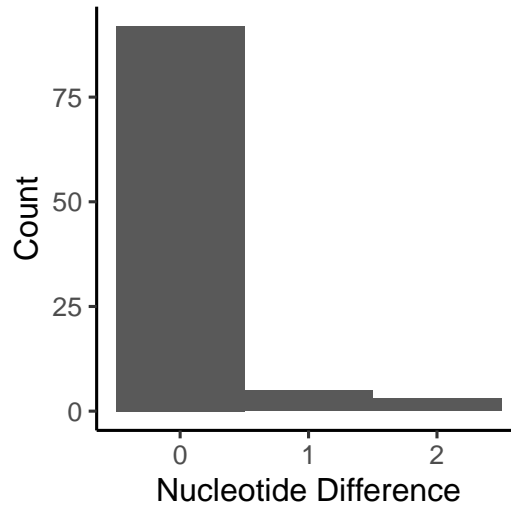
TRBV6-23*ap01

2631 sequences assigned
2598 (98.7%) exact matches, in which:
2544 unique CDR3
13 unique J



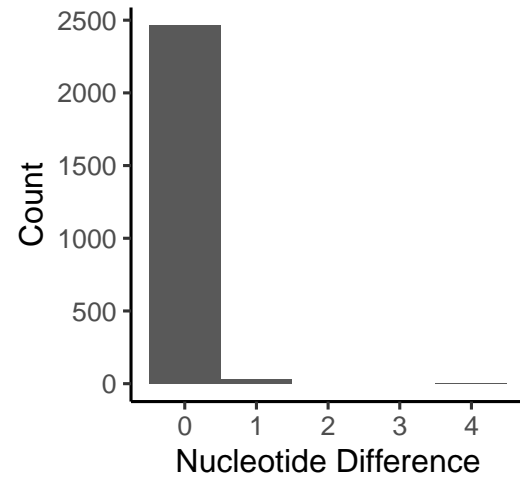
TRBV7-1*ap01_G291C_T

100 sequences assigned
92 (92%) exact matches, in which:
88 unique CDR3
13 unique J



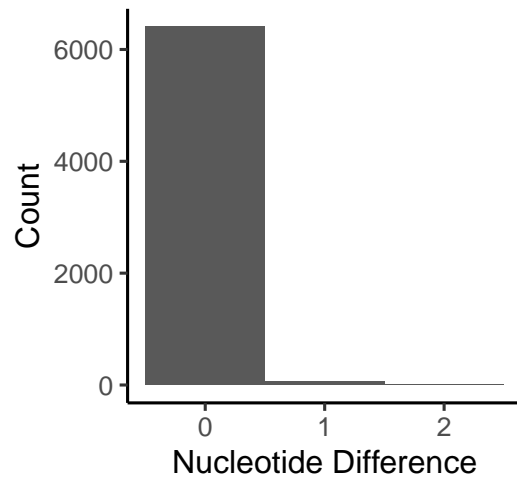
TRBV7-3*ap01

2495 sequences assigned
2464 (98.8%) exact matches, in which:
2419 unique CDR3
13 unique J



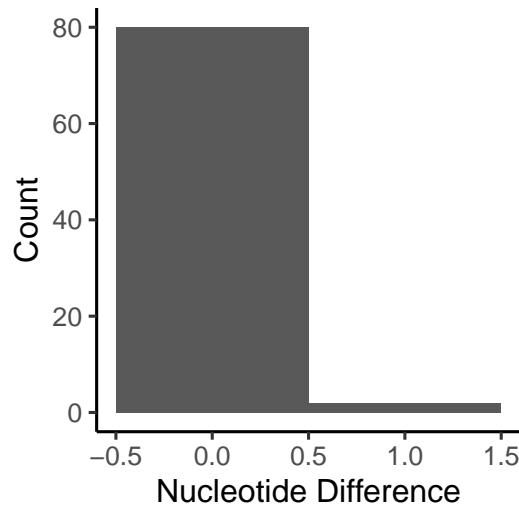
TRBV6-56*ap01

6474 sequences assigned
6407 (99%) exact matches, in which:
6261 unique CDR3
13 unique J



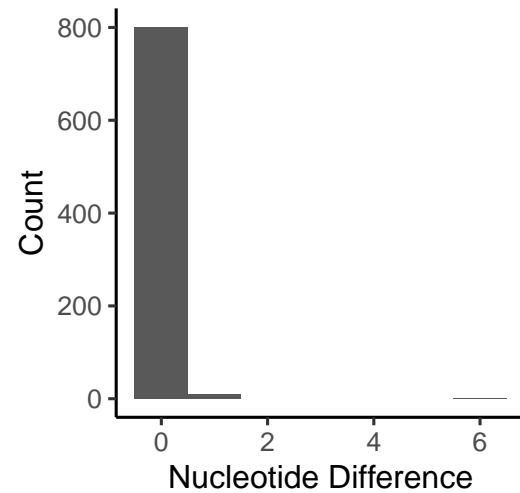
TRBV7-1*ap01_G291C_T

82 sequences assigned
80 (97.6%) exact matches, in which:
78 unique CDR3
13 unique J



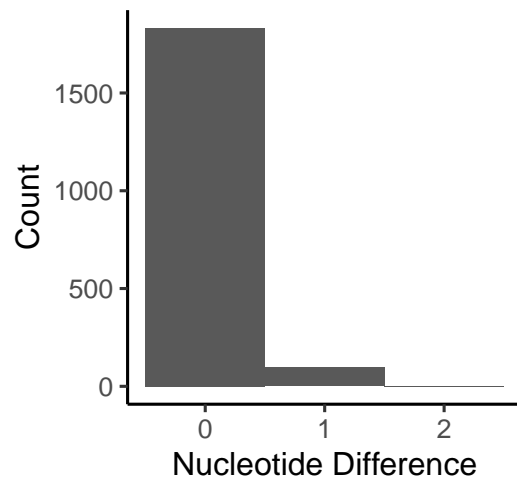
TRBV7-3*ap03

812 sequences assigned
801 (98.6%) exact matches, in which:
779 unique CDR3
13 unique J



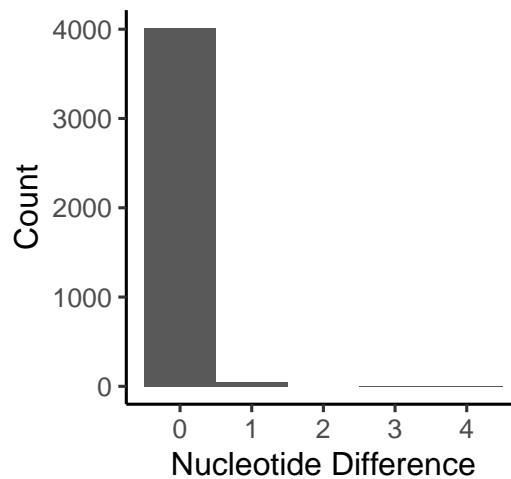
TRBV6-56*ap02

1930 sequences assigned
1832 (94.9%) exact matches, in which:
1797 unique CDR3
13 unique J



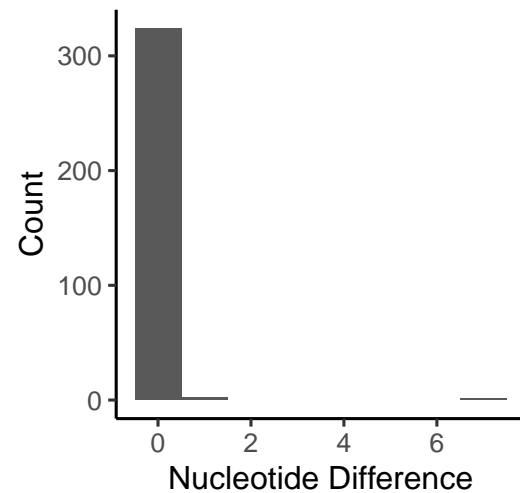
TRBV7-2*ap01

4062 sequences assigned
4013 (98.8%) exact matches, in which:
3916 unique CDR3
13 unique J



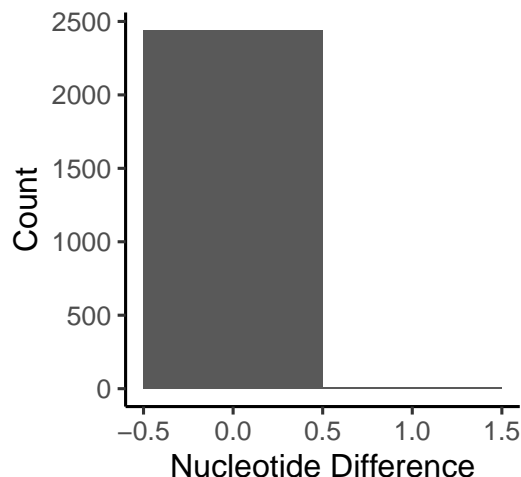
TRBV7-4*ap01

327 sequences assigned
324 (99.1%) exact matches, in which:
314 unique CDR3
13 unique J



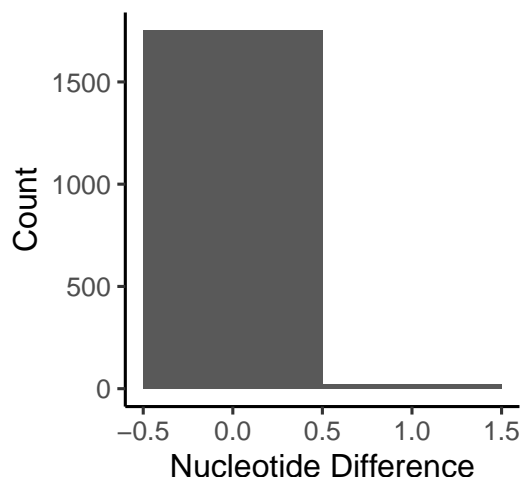
TRBV7-6*ap01

2449 sequences assigned
2439 (99.6%) exact matches, in which:
2380 unique CDR3
13 unique J



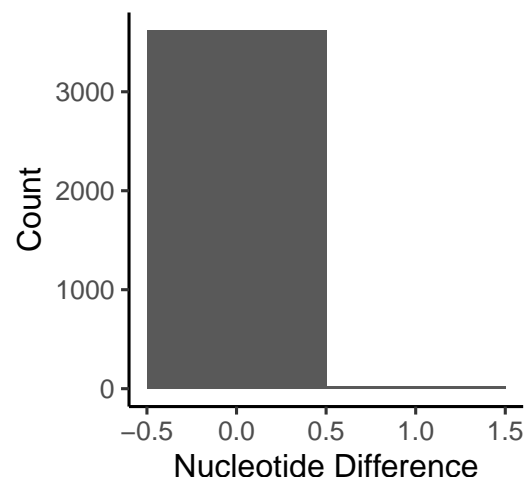
TRBV7-8*ap01

1775 sequences assigned
1752 (98.7%) exact matches, in which:
1706 unique CDR3
13 unique J



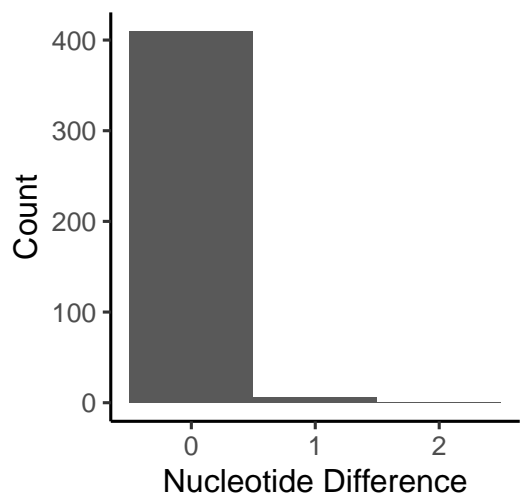
TRBV29-1*ap01

3650 sequences assigned
3620 (99.2%) exact matches, in which:
3568 unique CDR3
13 unique J



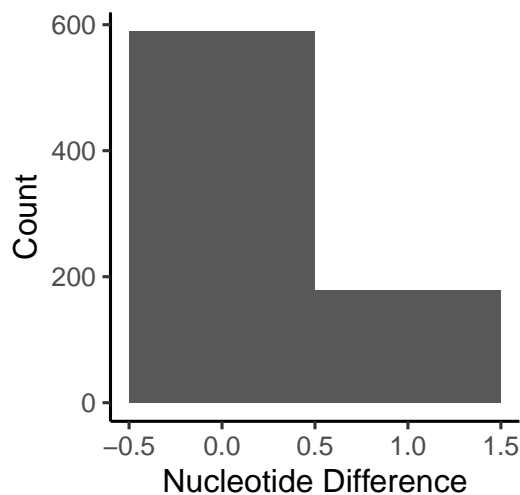
TRBV7-7*ap01

417 sequences assigned
410 (98.3%) exact matches, in which:
399 unique CDR3
12 unique J



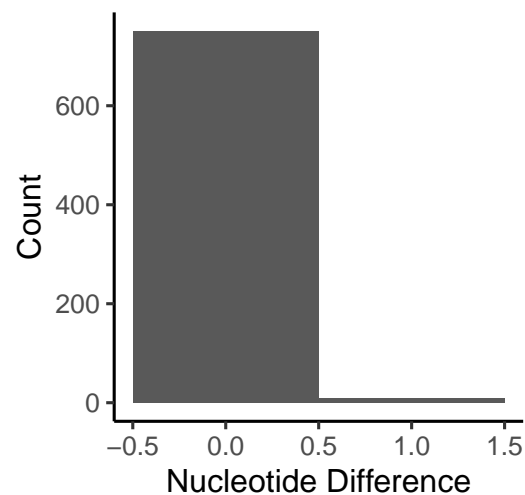
TRBV7-8*ap03

769 sequences assigned
590 (76.7%) exact matches, in which:
575 unique CDR3
13 unique J



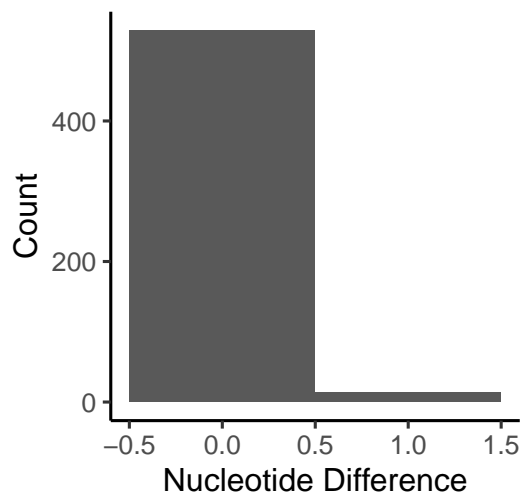
TRBV29-1*ap02

761 sequences assigned
751 (98.7%) exact matches, in which:
738 unique CDR3
13 unique J



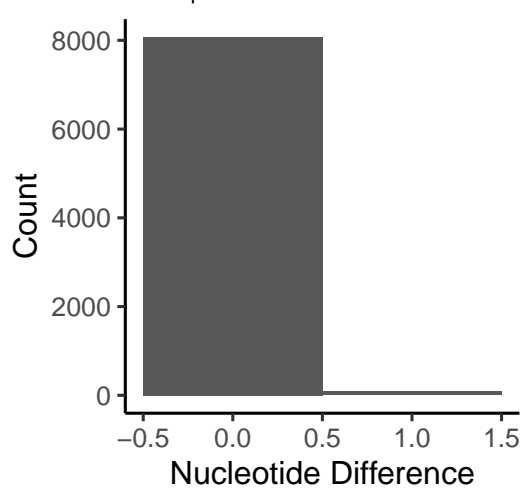
TRBV7-7*ap01_C315T

543 sequences assigned
529 (97.4%) exact matches, in which:
513 unique CDR3
13 unique J

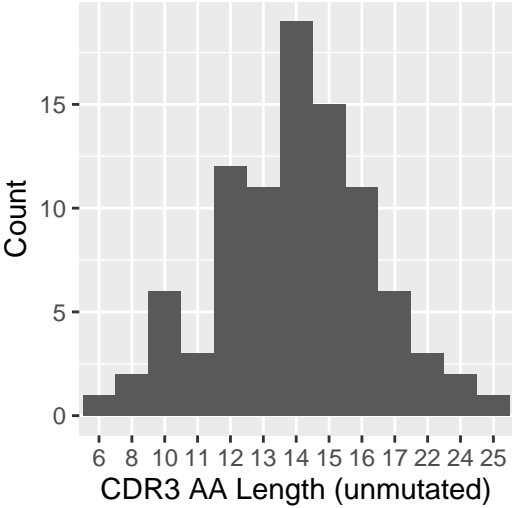


TRBV7-9*ap01

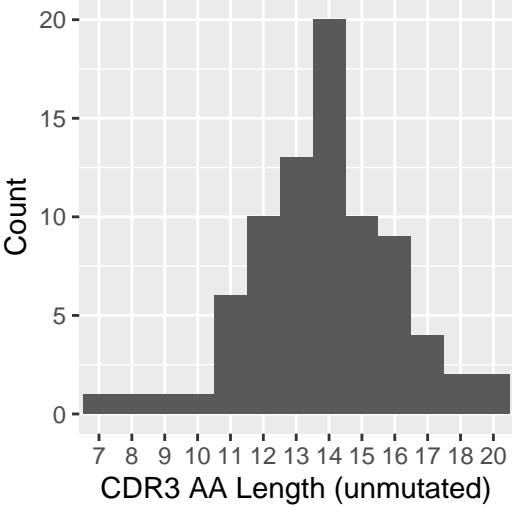
8157 sequences assigned
8074 (99%) exact matches, in which:
7911 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-7*ap01_C315T

