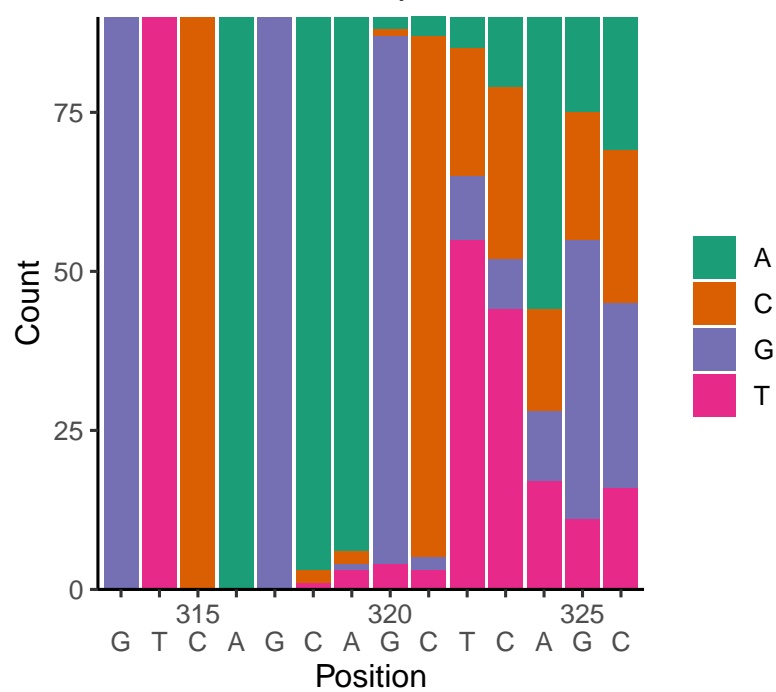
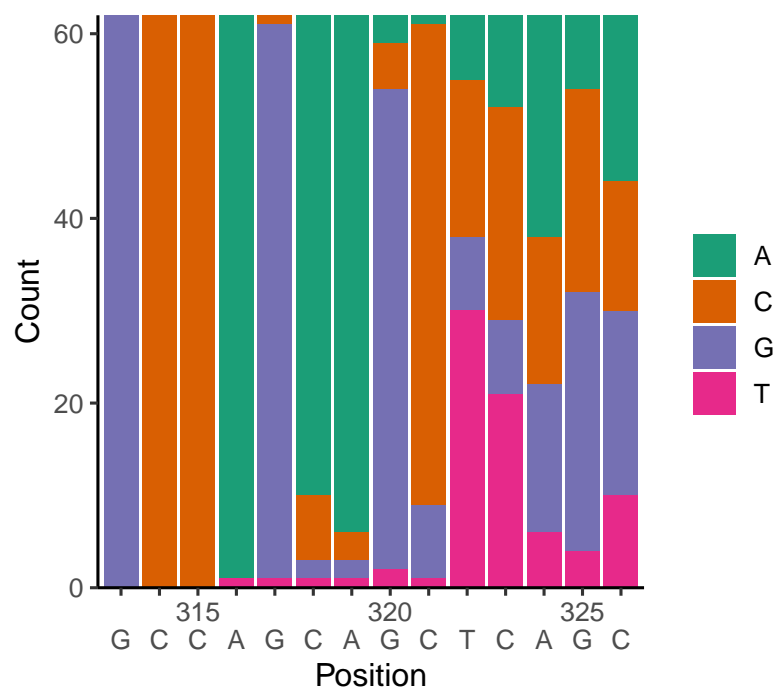


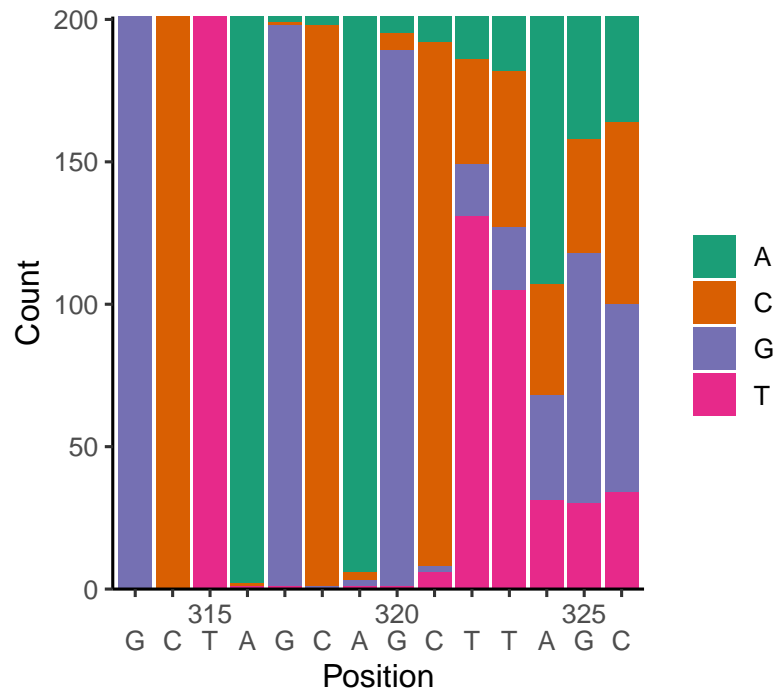
Gene TRBV7-1*ap01_G291C_T296C_C314T



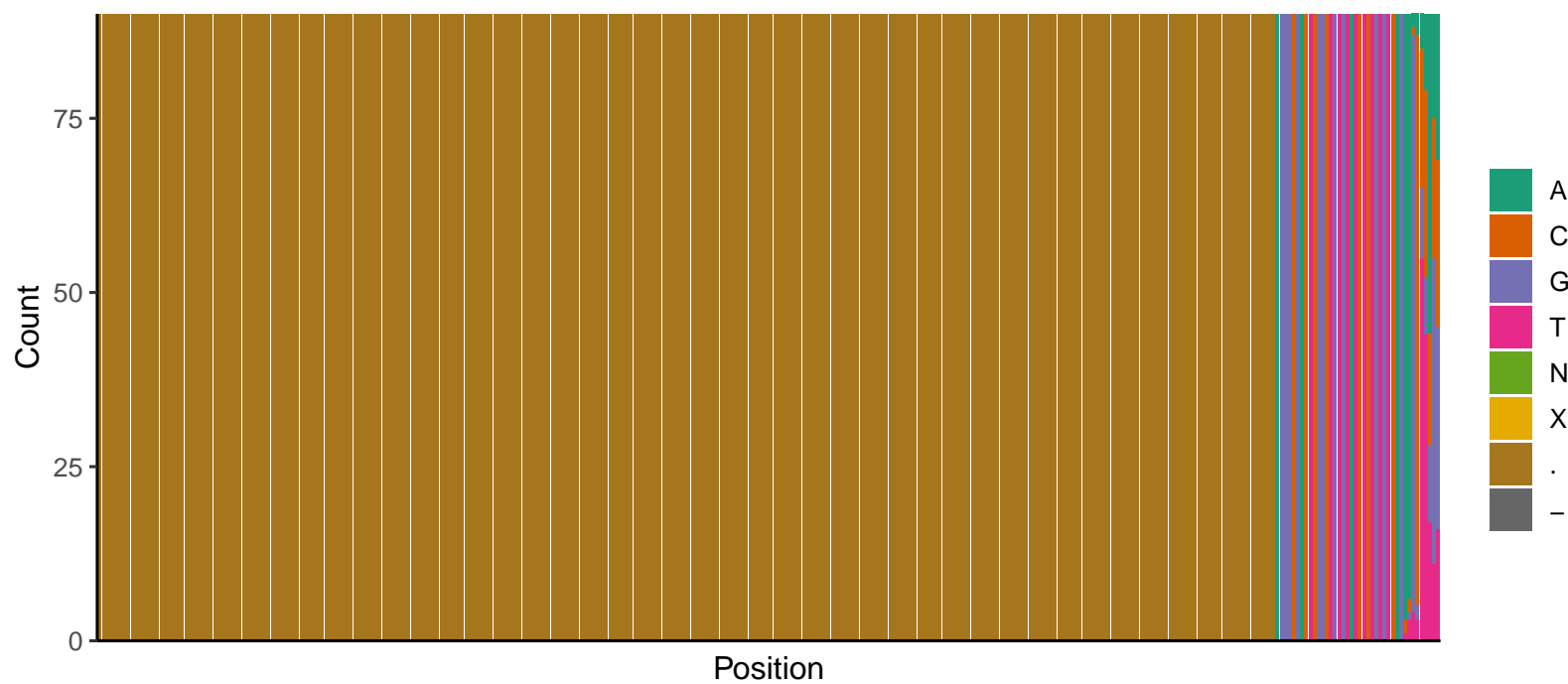
Gene TRBV7-1*ap01_G291C_T296C



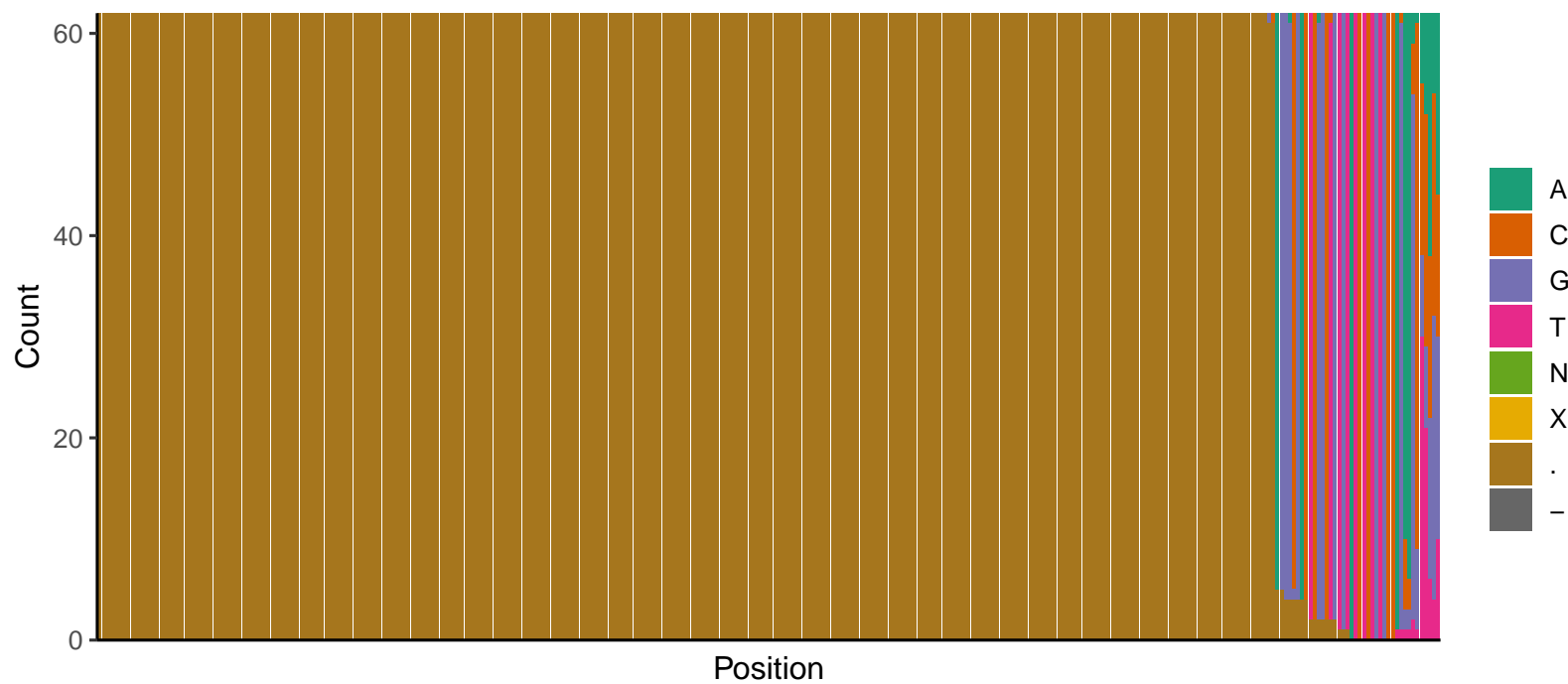
Gene TRBV7-7*ap01_C315T



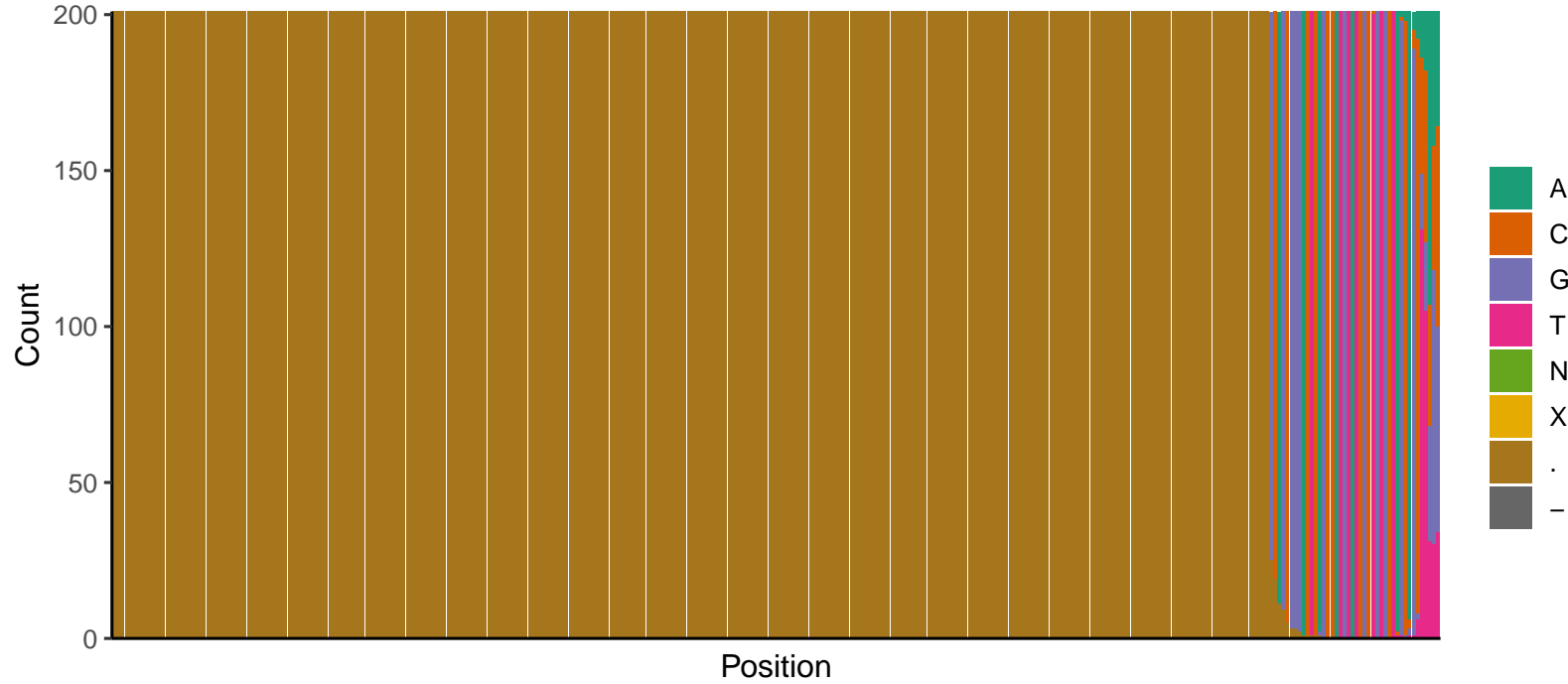
Gene TRBV7-1*ap01_G291C_T296C_C314T



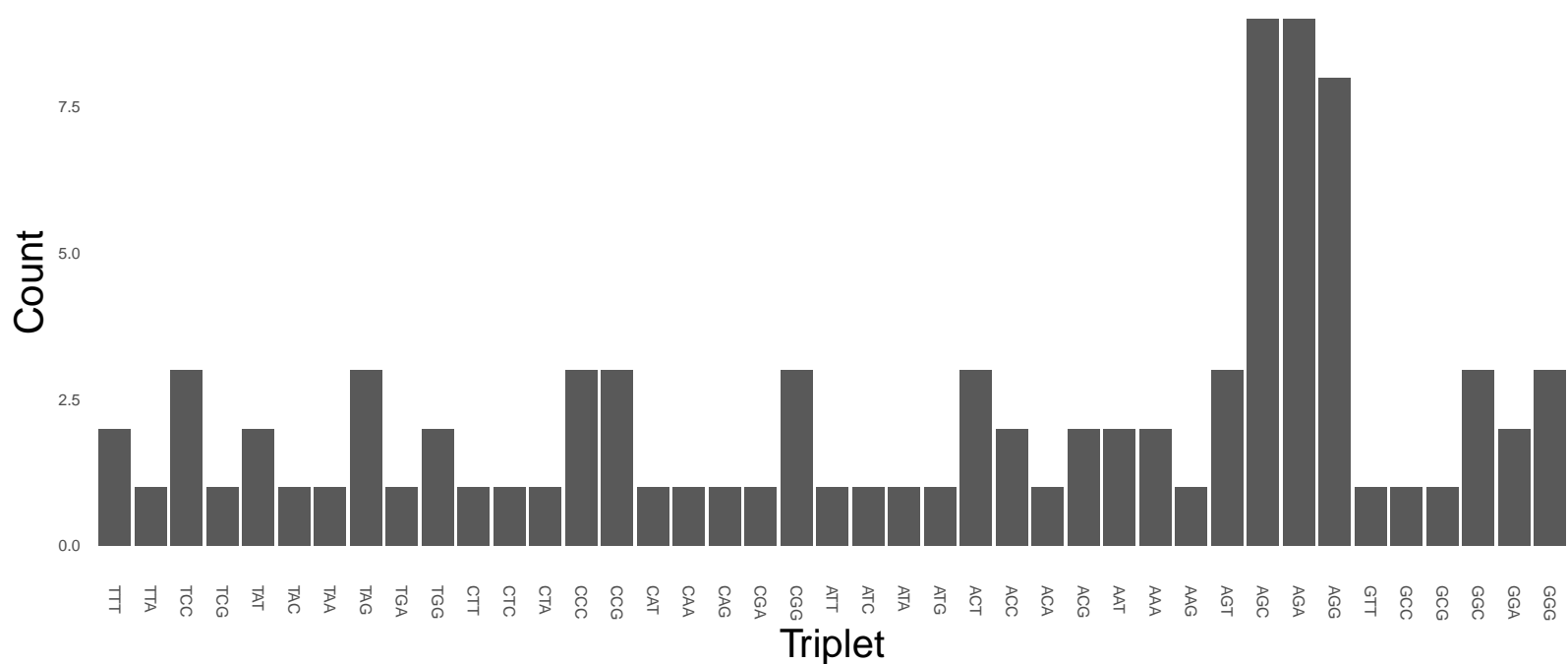
Gene TRBV7-1*ap01_G291C_T296C



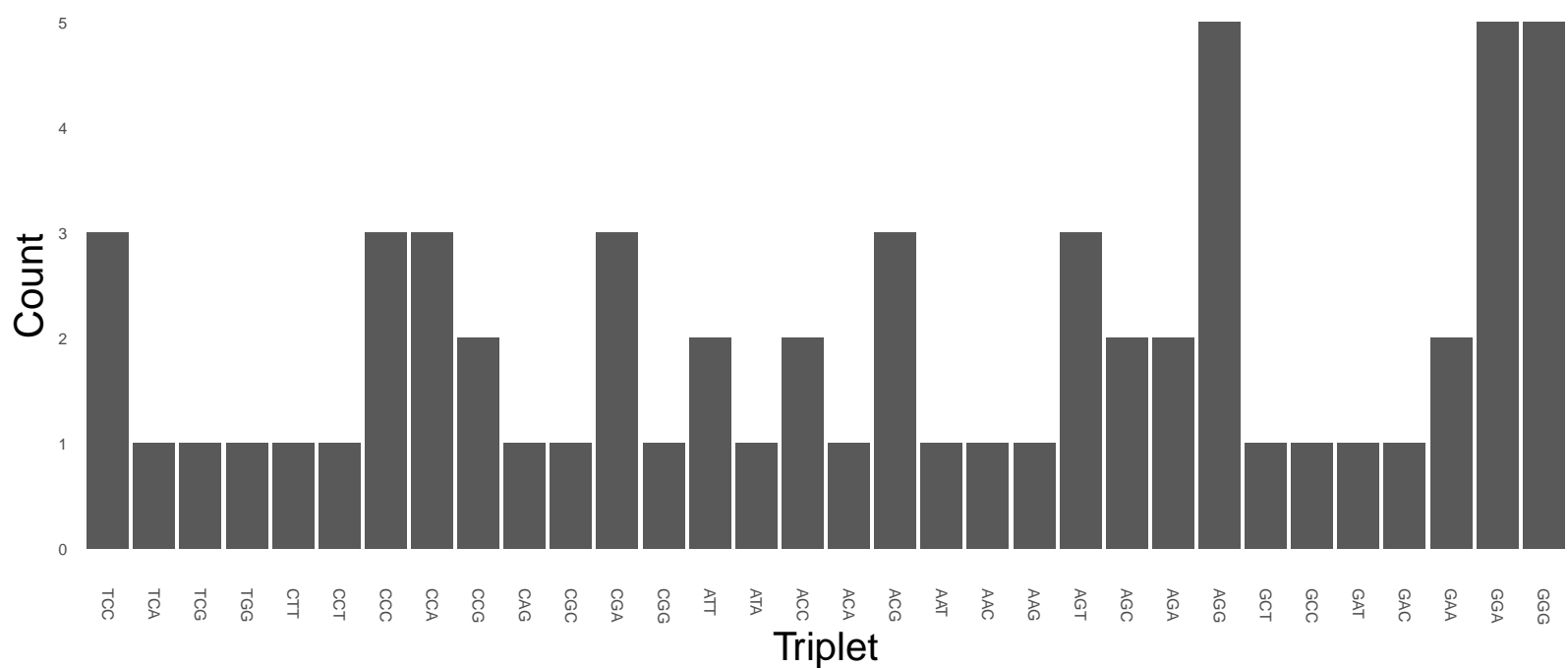
Gene TRBV7-7*ap01_C315T



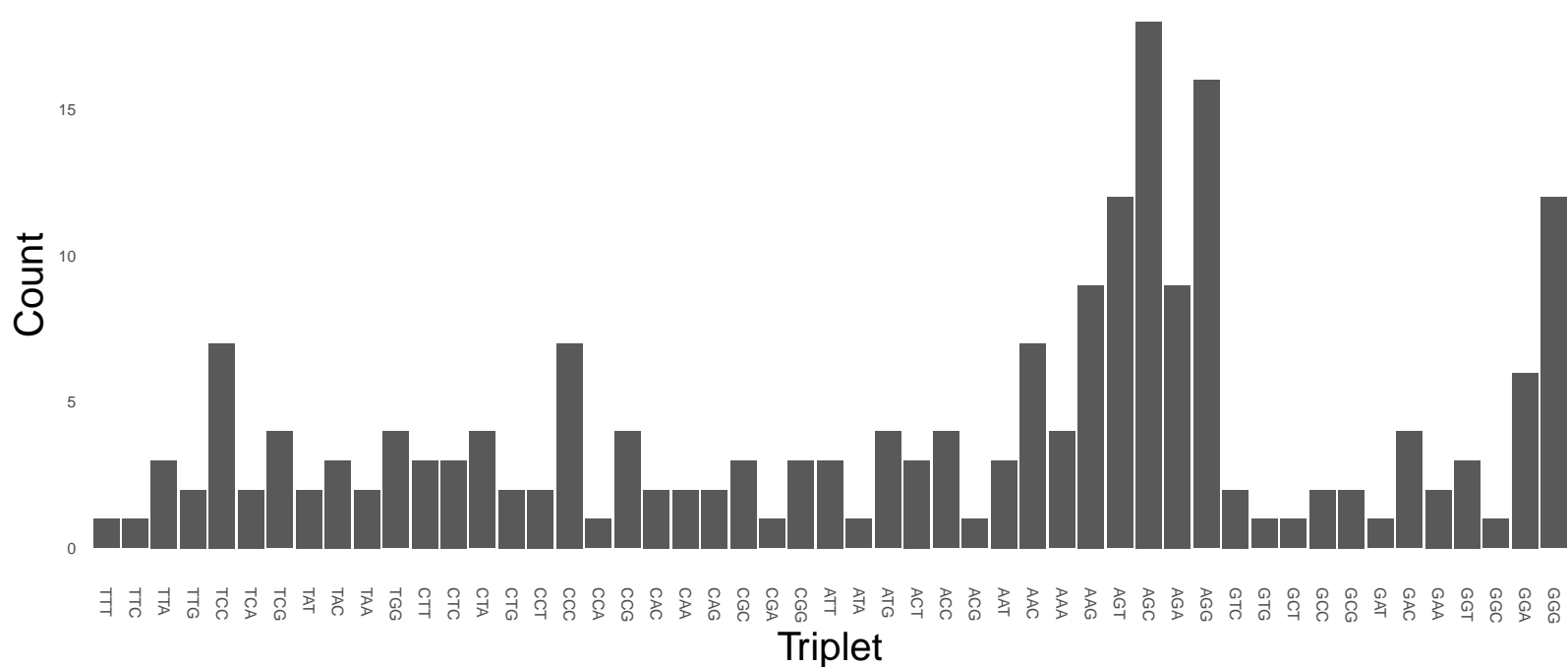
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

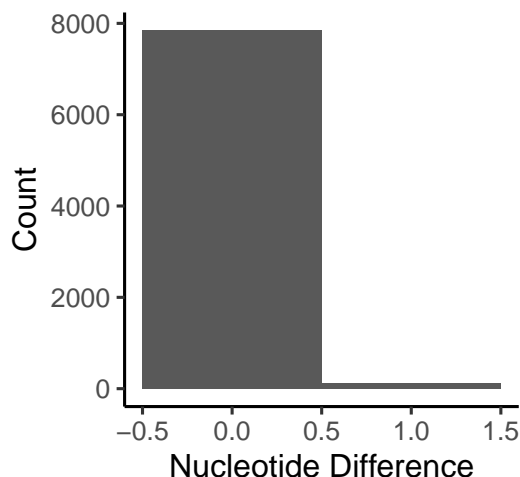


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



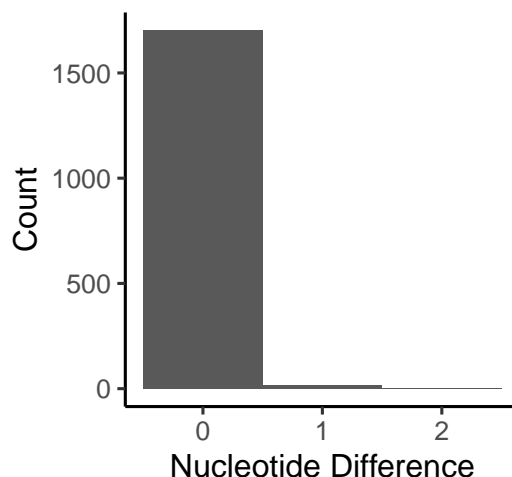
TRBV20-1*ap01

7963 sequences assigned
7846 (98.5%) exact matches, in which:
7681 unique CDR3
13 unique J



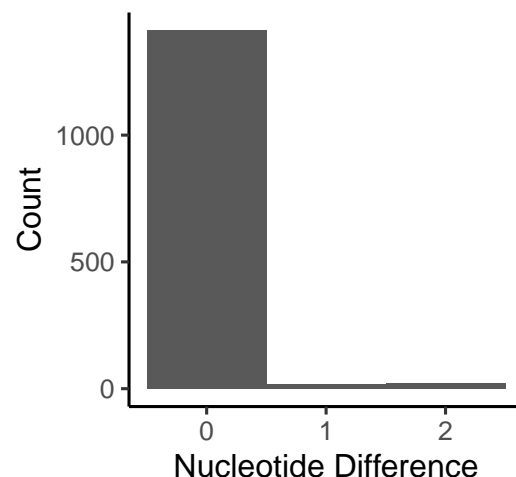
TRBV10-2*ap01

1721 sequences assigned
1702 (98.9%) exact matches, in which:
1648 unique CDR3
13 unique J



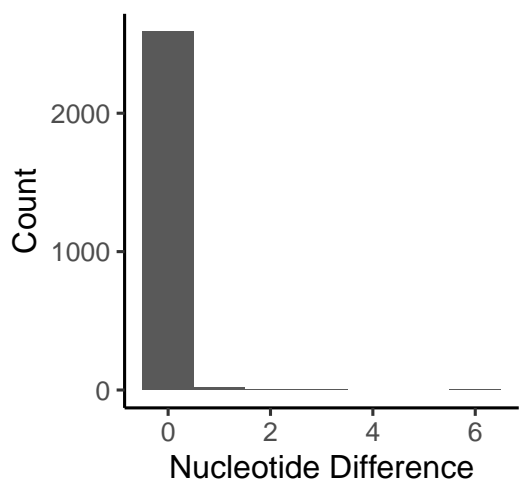
TRBV13*ap01

1451 sequences assigned
1413 (97.4%) exact matches, in which:
1374 unique CDR3
13 unique J



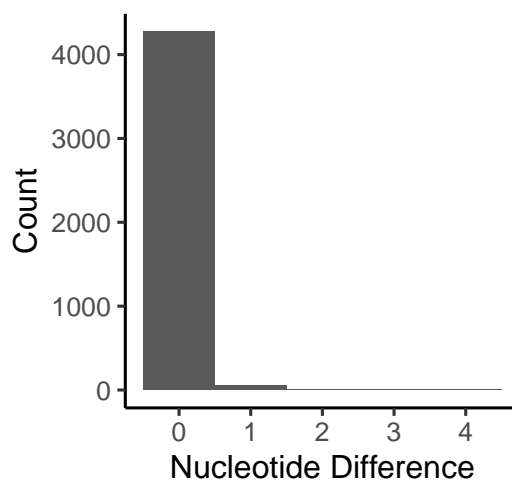
TRBV10-1*ap01

2612 sequences assigned
2589 (99.1%) exact matches, in which:
2537 unique CDR3
13 unique J



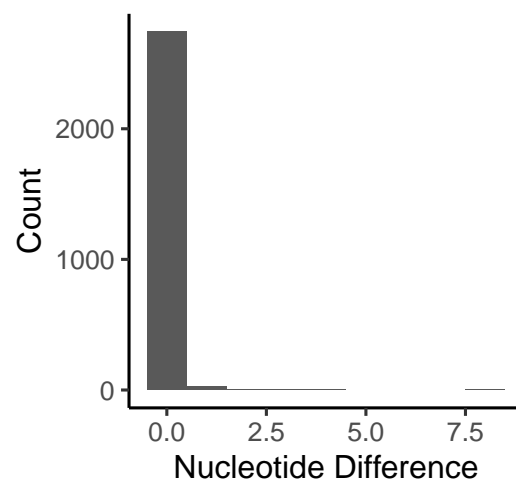
TRBV10-3*ap01

4336 sequences assigned
4273 (98.5%) exact matches, in which:
4157 unique CDR3
13 unique J



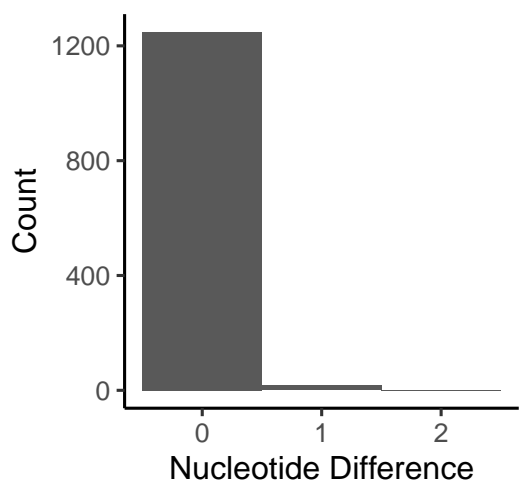
TRBV14*ap01

2770 sequences assigned
2743 (99%) exact matches, in which:
2675 unique CDR3
13 unique J



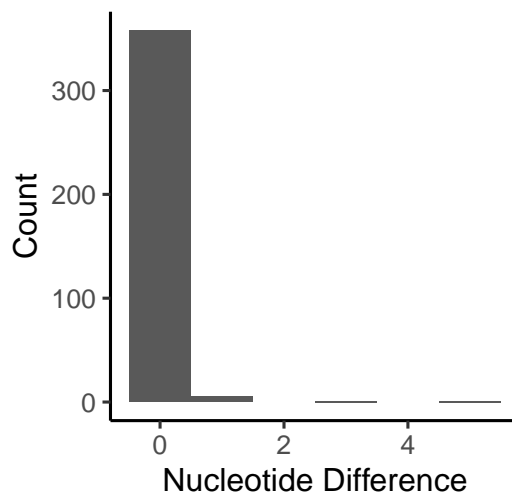
TRBV20-1*ap02

1266 sequences assigned
1248 (98.6%) exact matches, in which:
1214 unique CDR3
13 unique J



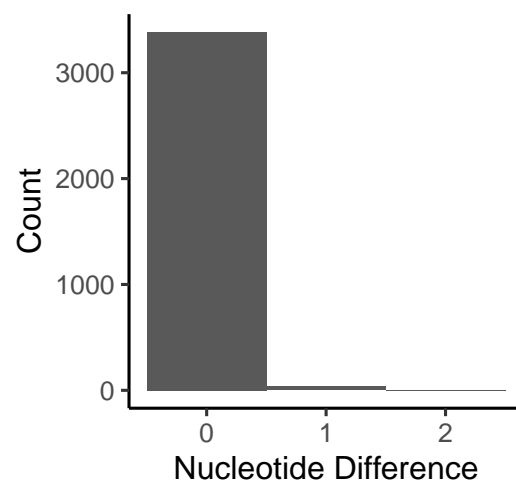
TRBV1*ap01

365 sequences assigned
358 (98.1%) exact matches, in which:
346 unique CDR3
13 unique J



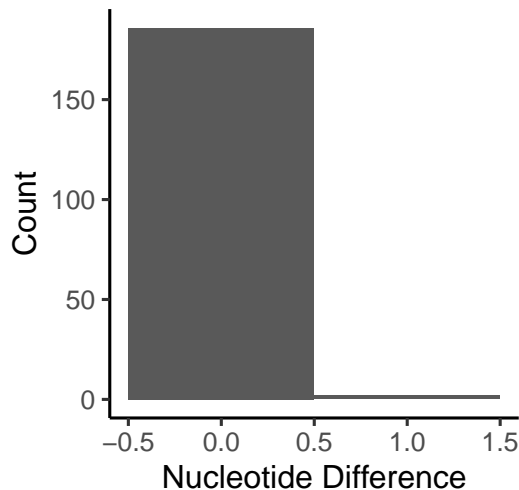
TRBV15*ap02

3423 sequences assigned
3384 (98.9%) exact matches, in which:
3297 unique CDR3
13 unique J



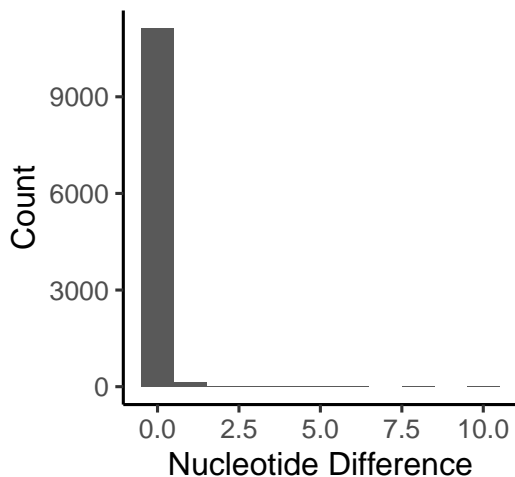
TRBV16*ap01

188 sequences assigned
186 (98.9%) exact matches, in which:
184 unique CDR3
13 unique J



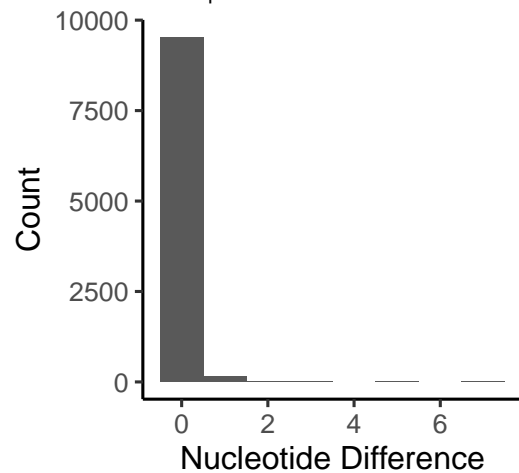
TRBV19*ap01

11279 sequences assigned
11123 (98.6%) exact matches, in which:
10948 unique CDR3
13 unique J



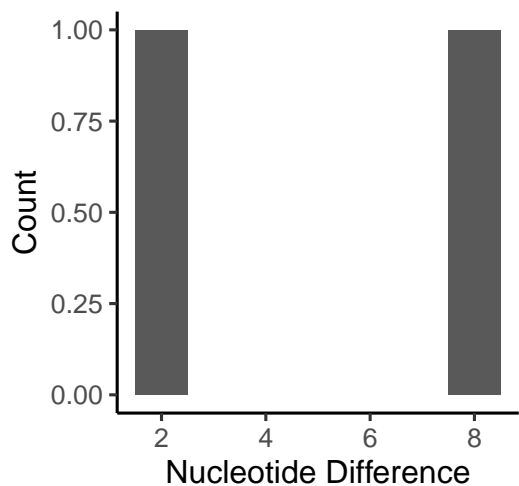
TRBV27*ap01

9683 sequences assigned
9530 (98.4%) exact matches, in which:
9284 unique CDR3
13 unique J



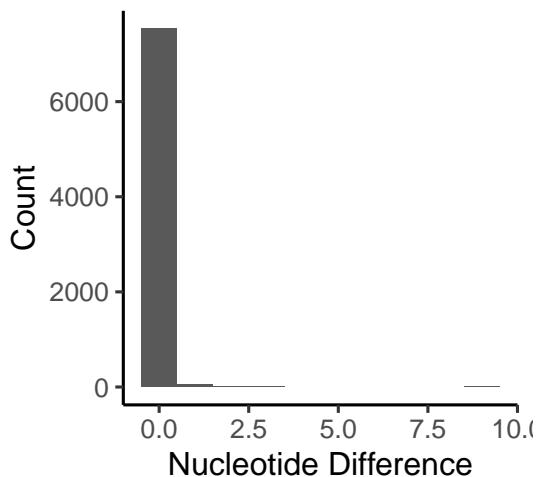
TRBV17*ap01

2 sequences assigned
No exact matches.



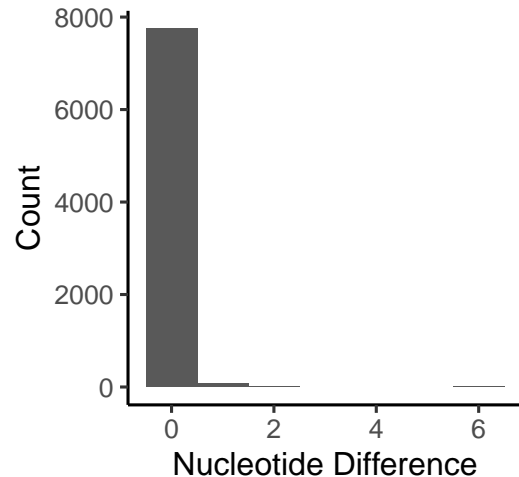
TRBV2*ap01

7594 sequences assigned
7533 (99.2%) exact matches, in which:
7370 unique CDR3
13 unique J



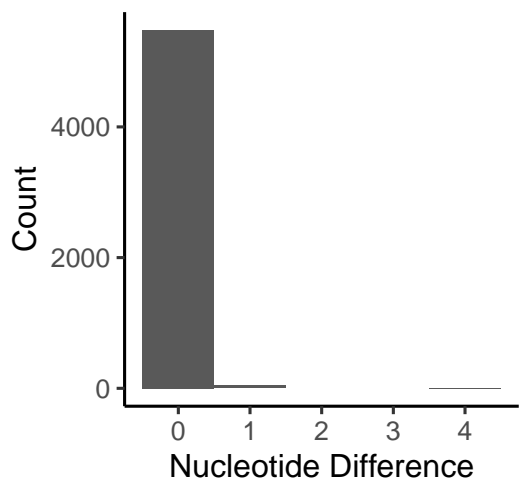
TRBV28*ap01

7836 sequences assigned
7748 (98.9%) exact matches, in which:
7568 unique CDR3
13 unique J



TRBV18*ap01

5525 sequences assigned
5482 (99.2%) exact matches, in which:
5382 unique CDR3
13 unique J



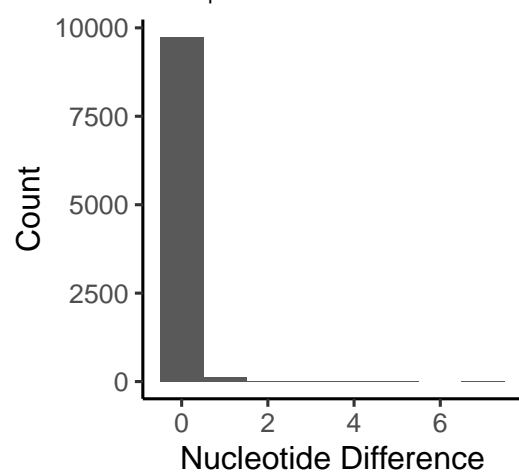
TRBV26*ap01

1 sequences assigned
No exact matches.



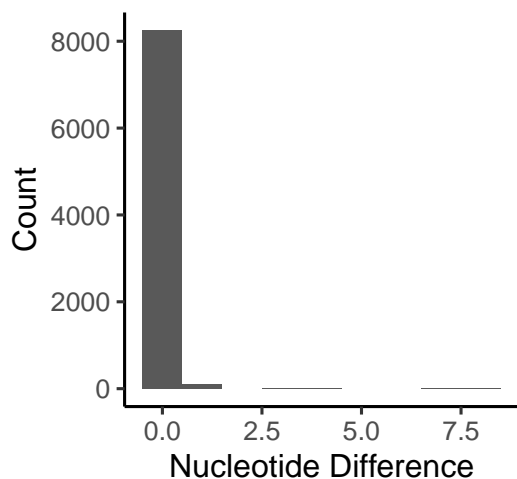
TRBV30*ap01

9890 sequences assigned
9747 (98.6%) exact matches, in which:
9619 unique CDR3
13 unique J



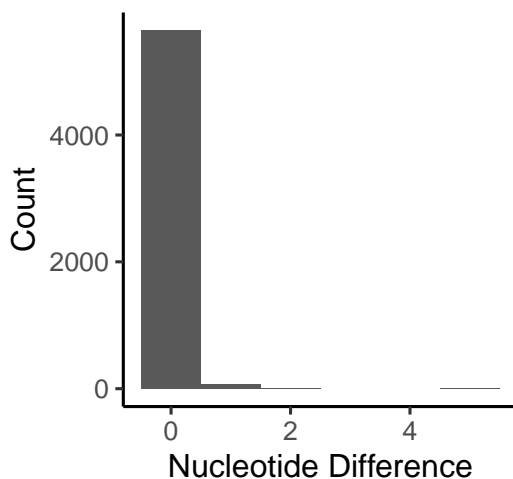
TRBV9*ap01

8351 sequences assigned
8249 (98.8%) exact matches, in which:
8081 unique CDR3
13 unique J



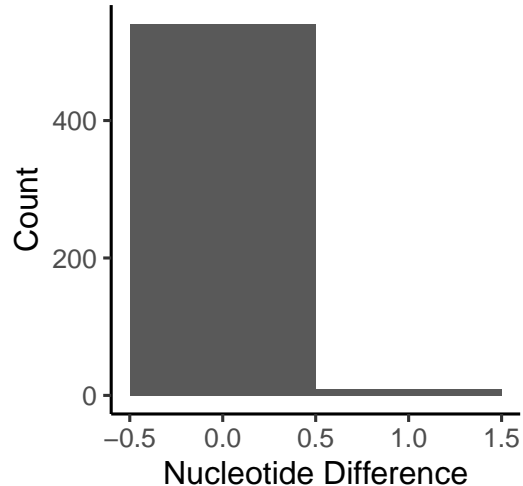
TRBV11-2*ap01

5728 sequences assigned
5649 (98.6%) exact matches, in which:
5505 unique CDR3
13 unique J



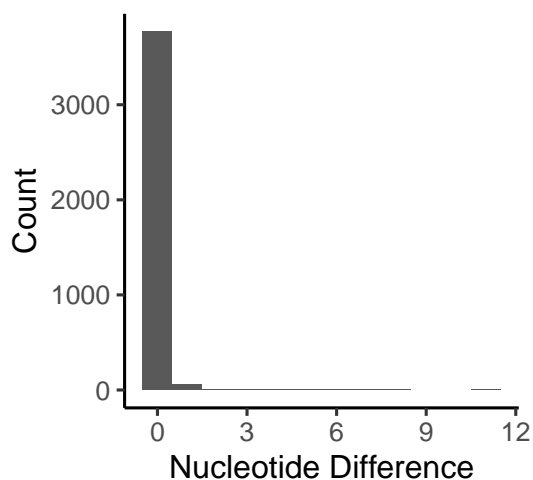
TRBV12-2*ap01

550 sequences assigned
541 (98.4%) exact matches, in which:
521 unique CDR3
13 unique J



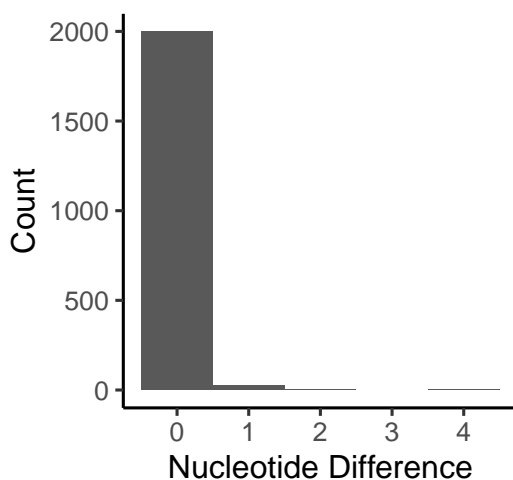
TRBV21-1*ap01

3842 sequences assigned
3768 (98.1%) exact matches, in which:
3692 unique CDR3
13 unique J



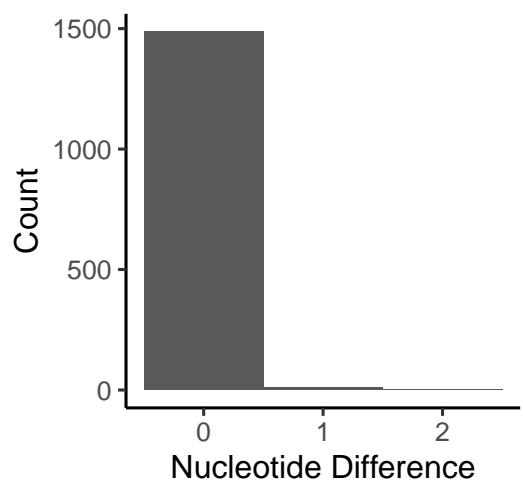
TRBV11-3*ap01

2024 sequences assigned
1998 (98.7%) exact matches, in which:
1958 unique CDR3
13 unique J



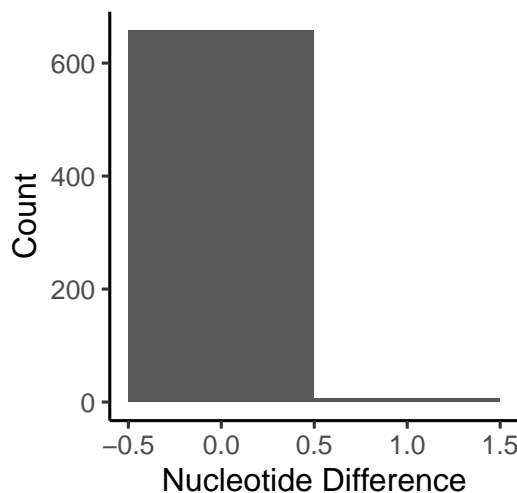
TRBV12-5*ap01

1497 sequences assigned
1487 (99.3%) exact matches, in which:
1453 unique CDR3
13 unique J



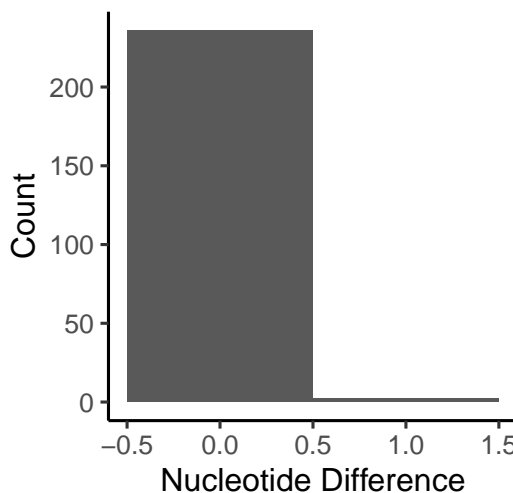
TRBV11-1*ap01

665 sequences assigned
658 (98.9%) exact matches, in which:
639 unique CDR3
13 unique J



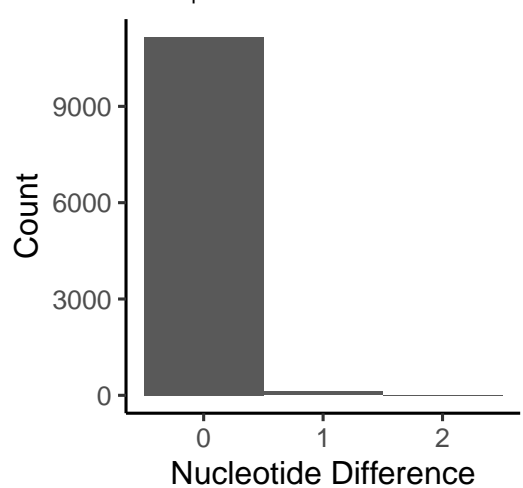
TRBV12-1*ap01

238 sequences assigned
236 (99.2%) exact matches, in which:
229 unique CDR3
13 unique J



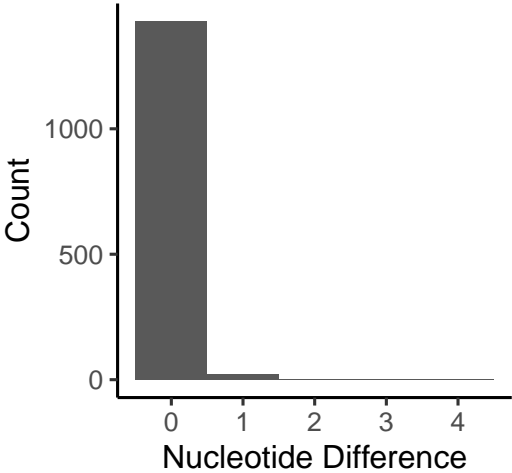
TRBV12-34*ap01

11288 sequences assigned
11159 (98.9%) exact matches, in which:
10898 unique CDR3
13 unique J



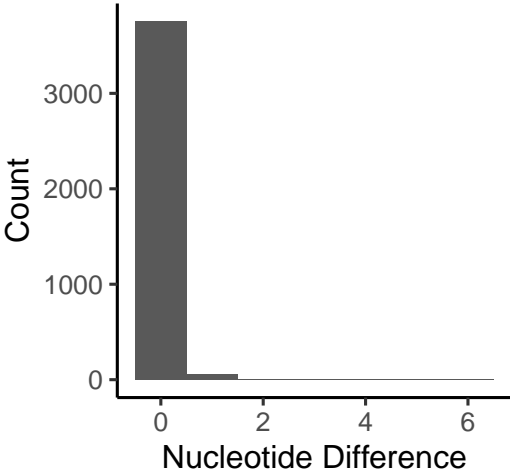
TRBV23-1*ap01

1453 sequences assigned
1428 (98.3%) exact matches, in which:
1394 unique CDR3
13 unique J



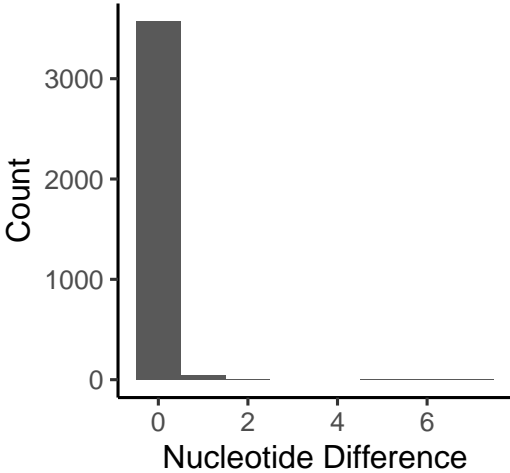
TRBV24-1*ap01

3821 sequences assigned
3754 (98.2%) exact matches, in which:
3688 unique CDR3
13 unique J



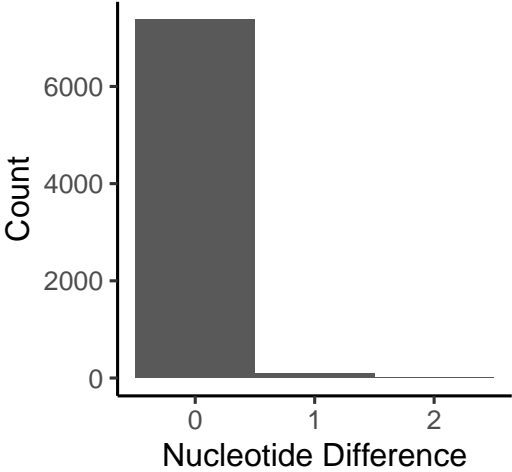
TRBV25-1*ap01

3621 sequences assigned
3571 (98.6%) exact matches, in which:
3515 unique CDR3
13 unique J



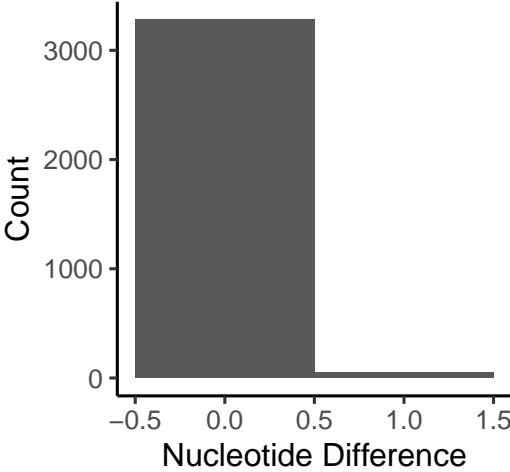
TRBV3-12*ap01

7468 sequences assigned
7373 (98.7%) exact matches, in which:
7218 unique CDR3
13 unique J



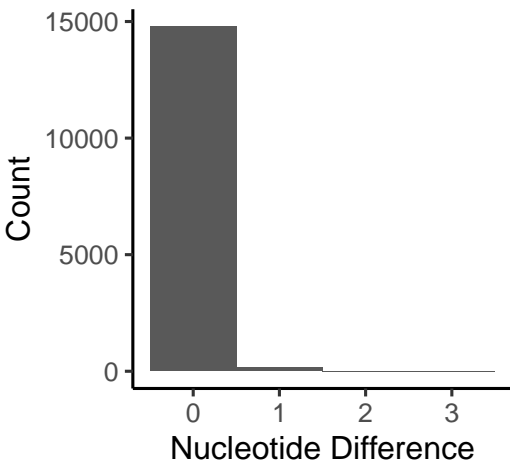
TRBV4-2*ap01

3329 sequences assigned
3280 (98.5%) exact matches, in which:
3207 unique CDR3
13 unique J



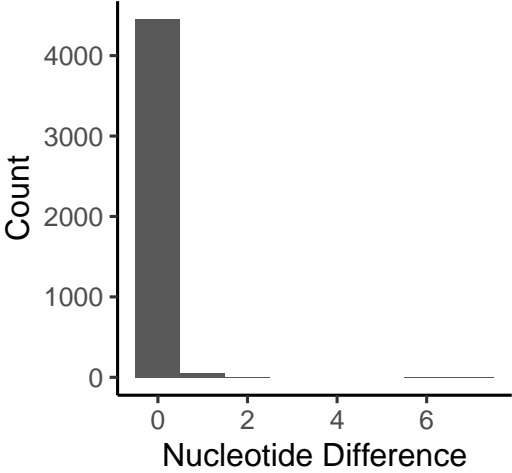
TRBV5-1*ap01

14961 sequences assigned
14788 (98.8%) exact matches, in which:
14449 unique CDR3
13 unique J



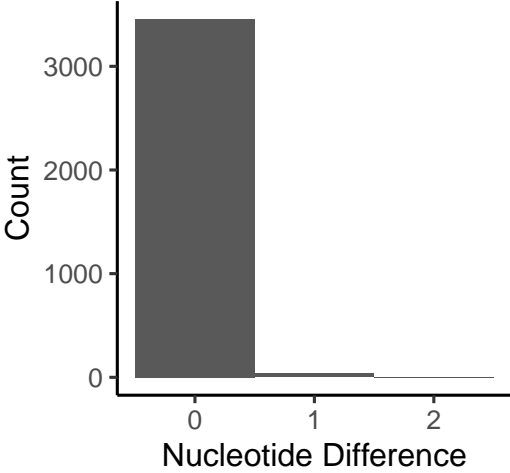
TRBV4-1*ap01

4512 sequences assigned
4455 (98.7%) exact matches, in which:
4366 unique CDR3
13 unique J



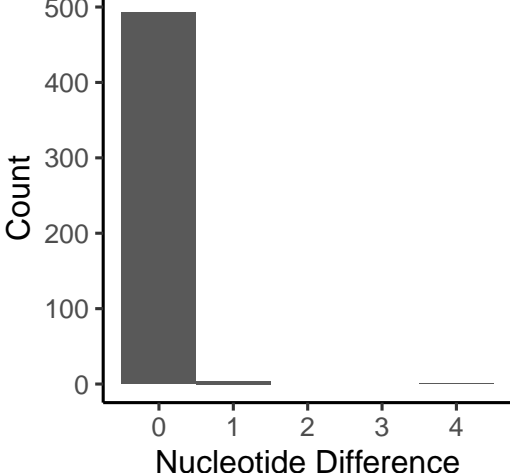
TRBV4-3*ap01

3494 sequences assigned
3456 (98.9%) exact matches, in which:
3386 unique CDR3
13 unique J



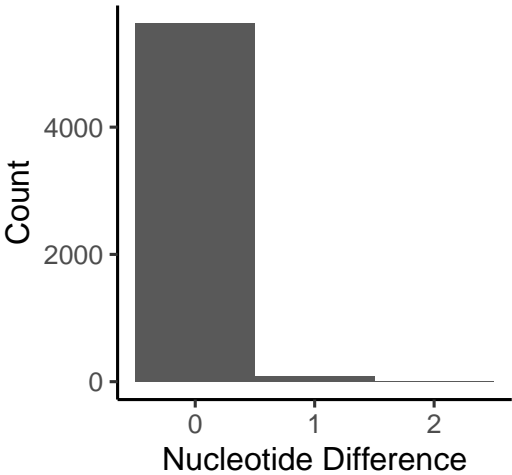
TRBV5-3*ap01

498 sequences assigned
493 (99%) exact matches, in which:
486 unique CDR3
13 unique J



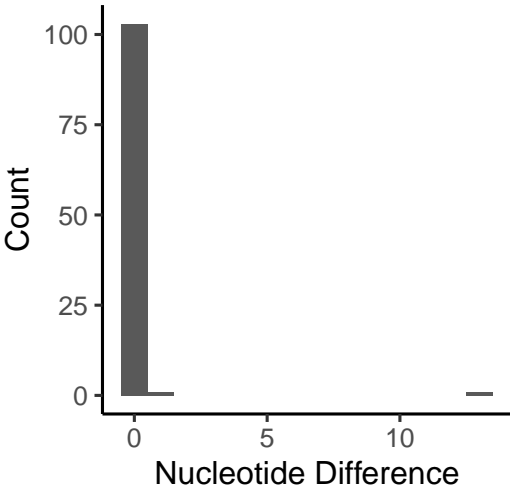
TRBV5-4*ap01

5712 sequences assigned
5630 (98.6%) exact matches, in which:
5523 unique CDR3
13 unique J



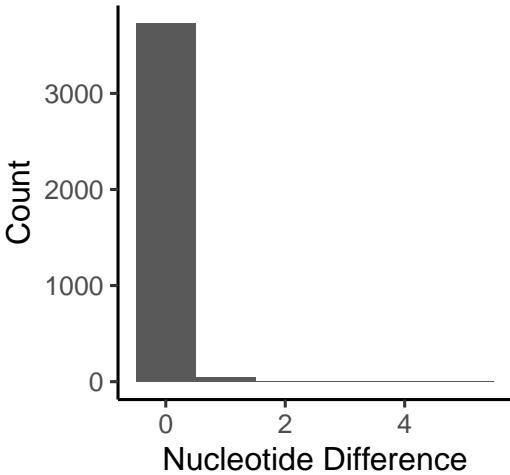
TRBV5-7*ap01

105 sequences assigned
103 (98.1%) exact matches, in which:
101 unique CDR3
11 unique J



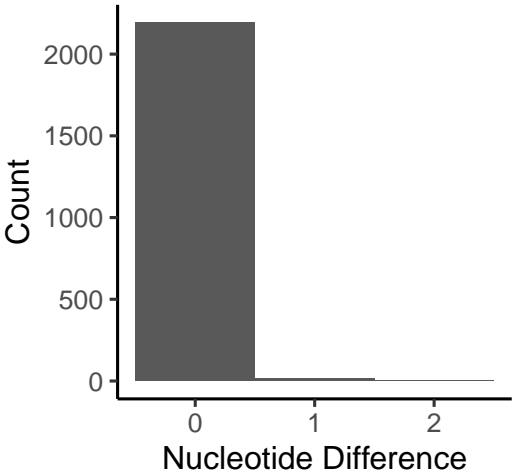
TRBV6-4*ap01

3780 sequences assigned
3728 (98.6%) exact matches, in which:
3684 unique CDR3
13 unique J



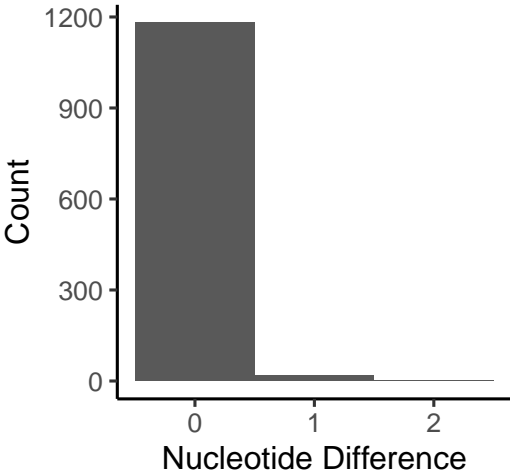
TRBV5-5*ap01

2211 sequences assigned
2192 (99.1%) exact matches, in which:
2169 unique CDR3
13 unique J



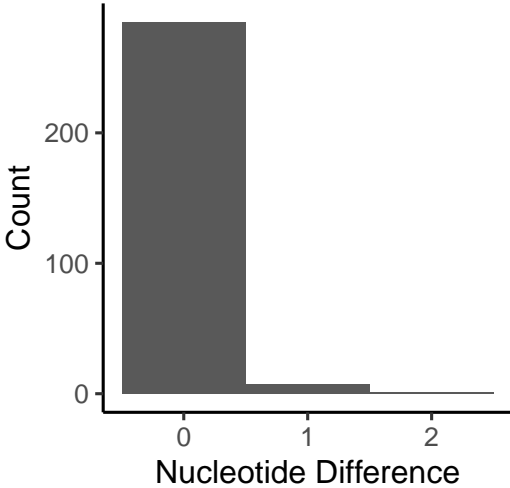
TRBV5-8*ap01

1202 sequences assigned
1181 (98.3%) exact matches, in which:
1151 unique CDR3
13 unique J



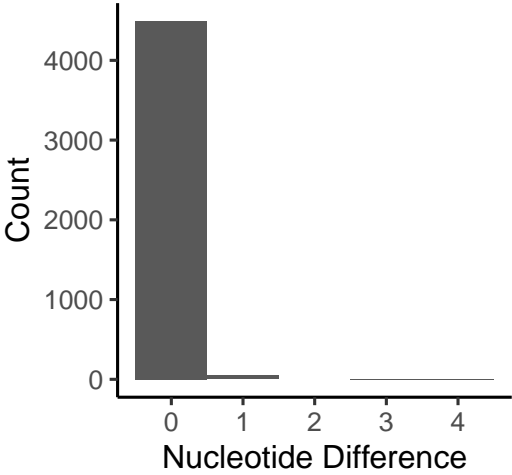
TRBV6-7*ap01

293 sequences assigned
285 (97.3%) exact matches, in which:
280 unique CDR3
13 unique J



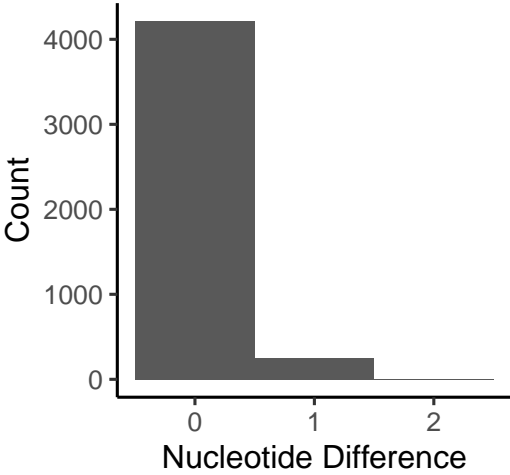
TRBV5-6*ap01

4541 sequences assigned
4493 (98.9%) exact matches, in which:
4392 unique CDR3
13 unique J



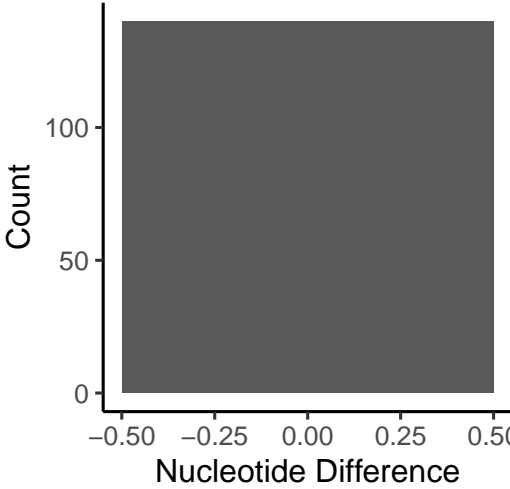
TRBV6-1*ap01

4467 sequences assigned
4215 (94.4%) exact matches, in which:
4119 unique CDR3
13 unique J



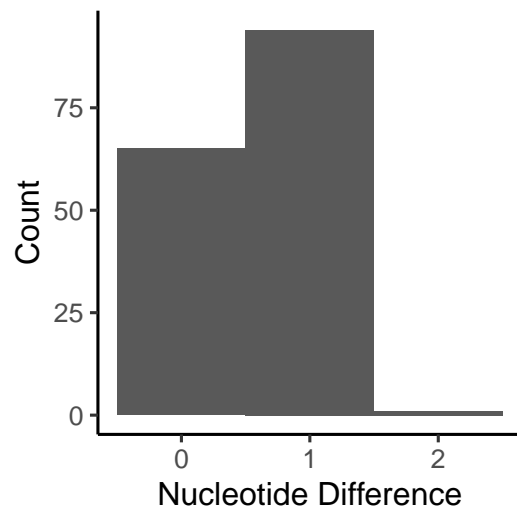
TRBV6-8*ap01

140 sequences assigned
140 (100%) exact matches, in which:
134 unique CDR3
13 unique J



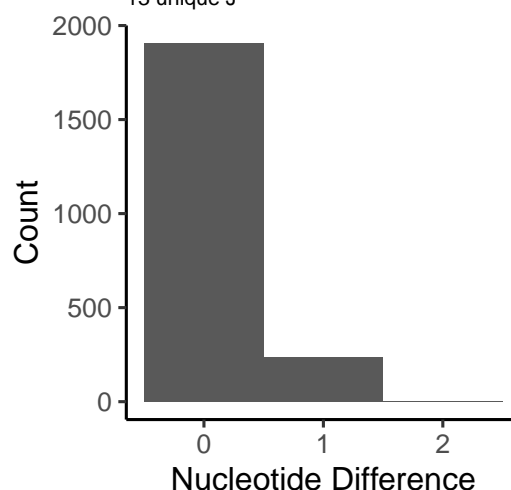
TRBV6-9*ap01

160 sequences assigned
65 (40.6%) exact matches, in which:
65 unique CDR3
13 unique J



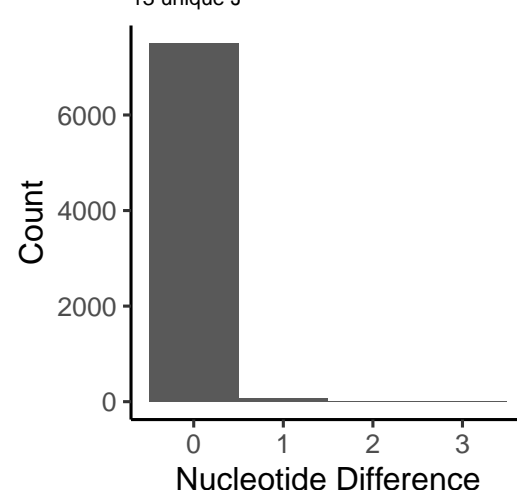
TRBV6-56*ap02

2142 sequences assigned
1905 (88.9%) exact matches, in which:
1863 unique CDR3
13 unique J



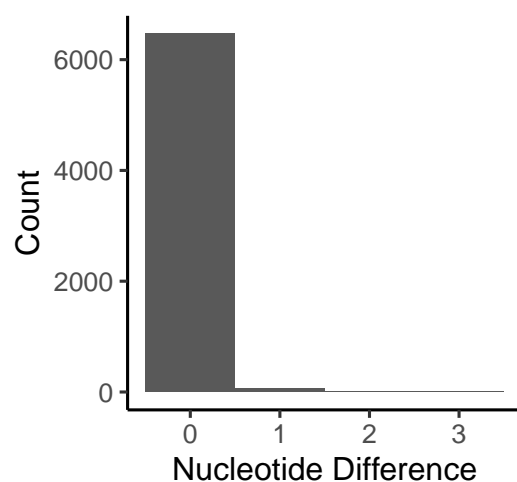
TRBV7-2*ap01

7568 sequences assigned
7498 (99.1%) exact matches, in which:
7325 unique CDR3
13 unique J



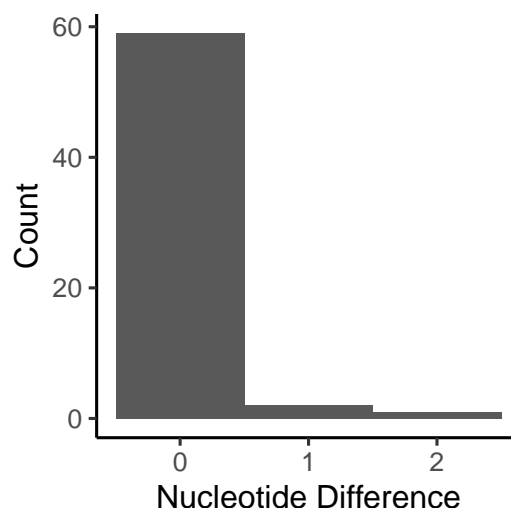
TRBV6-23*ap01

6542 sequences assigned
6468 (98.9%) exact matches, in which:
6337 unique CDR3
13 unique J



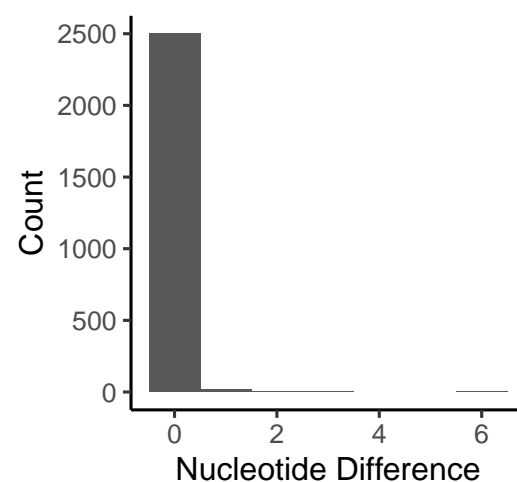
TRBV7-1*ap01_G291C_T

62 sequences assigned
59 (95.2%) exact matches, in which:
57 unique CDR3
12 unique J



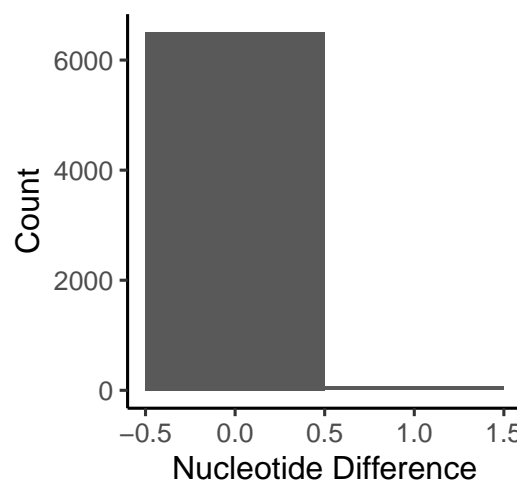
TRBV7-3*ap01

2525 sequences assigned
2500 (99%) exact matches, in which:
2459 unique CDR3
13 unique J



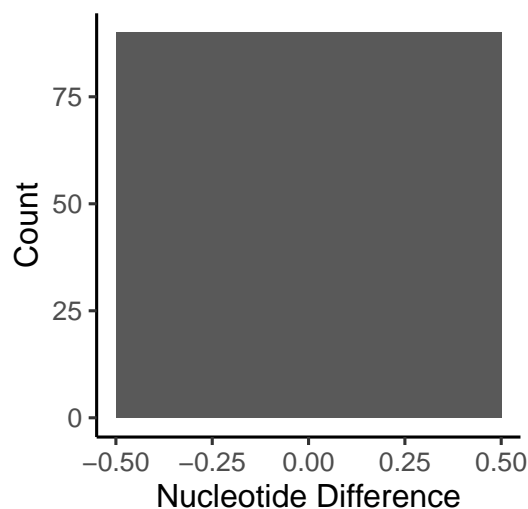
TRBV6-56*ap01

6579 sequences assigned
6509 (98.9%) exact matches, in which:
6366 unique CDR3
13 unique J



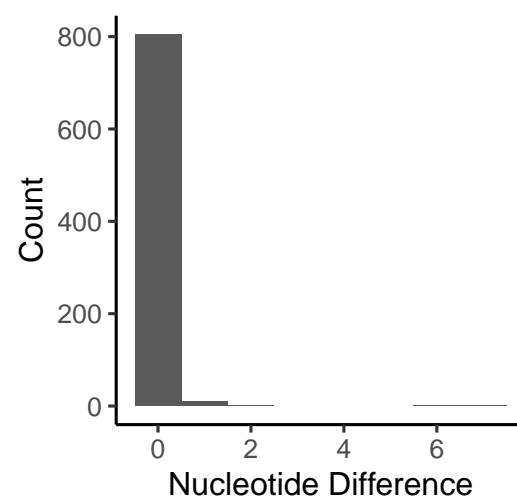
TRBV7-1*ap01_G291C_T

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



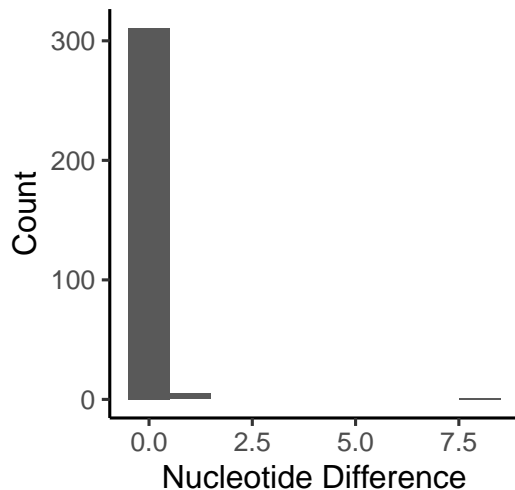
TRBV7-3*ap03

818 sequences assigned
805 (98.4%) exact matches, in which:
782 unique CDR3
13 unique J



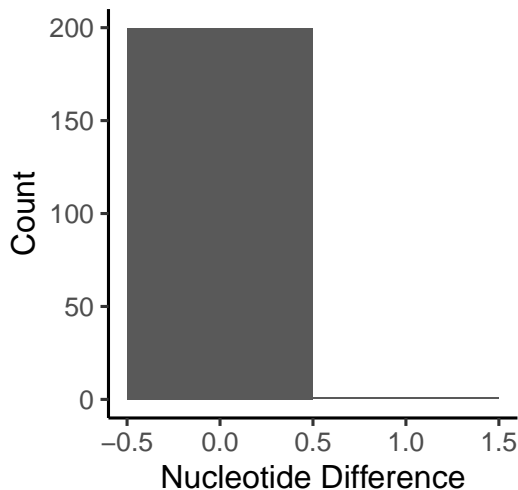
TRBV7-4*ap01

317 sequences assigned
311 (98.1%) exact matches, in which:
308 unique CDR3
13 unique J



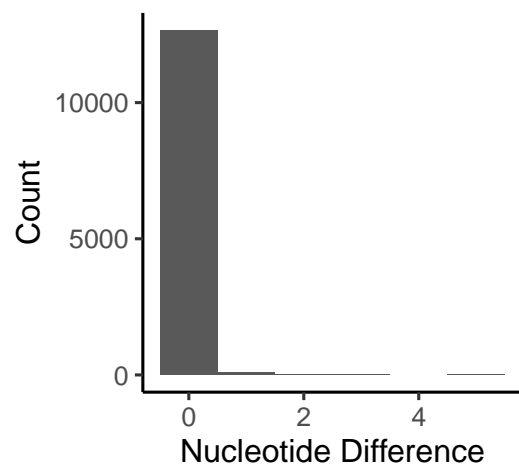
TRBV7-7*ap01_C315T

201 sequences assigned
200 (99.5%) exact matches, in which:
199 unique CDR3
13 unique J



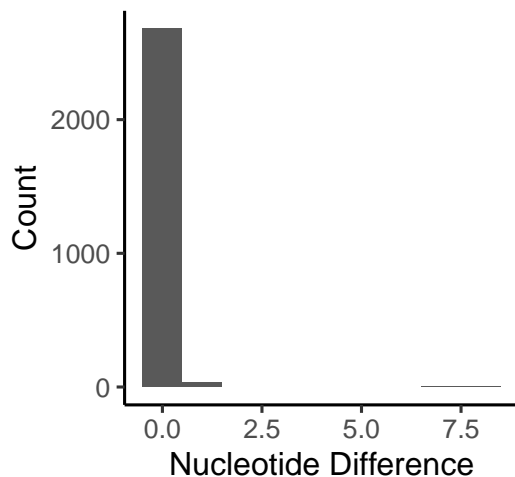
TRBV7-9*ap01

12768 sequences assigned
12661 (99.2%) exact matches, in which:
12434 unique CDR3
13 unique J



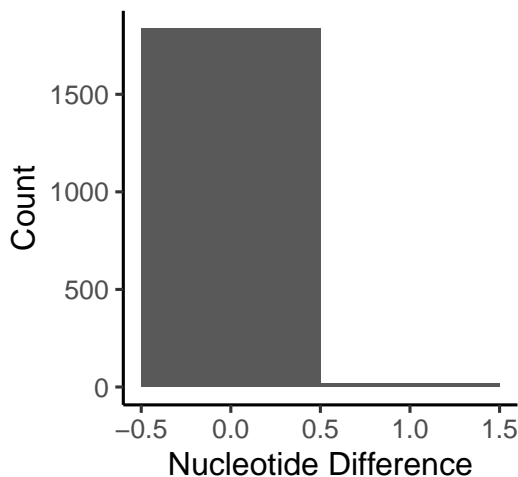
TRBV7-6*ap01

2719 sequences assigned
2680 (98.6%) exact matches, in which:
2608 unique CDR3
13 unique J



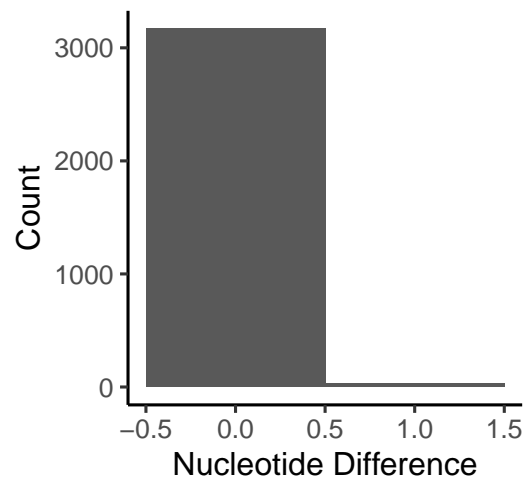
TRBV7-8*ap01

1854 sequences assigned
1836 (99%) exact matches, in which:
1810 unique CDR3
13 unique J



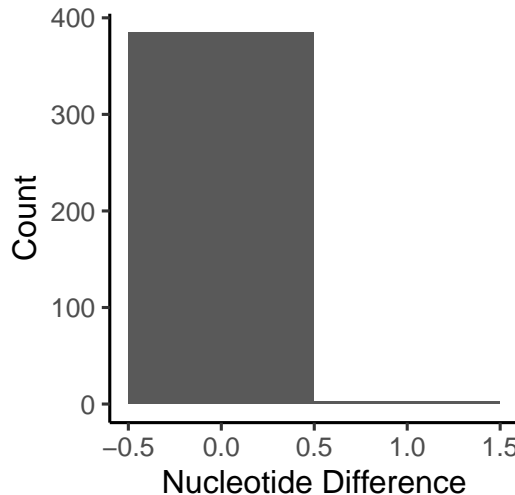
TRBV29-1*ap01

3203 sequences assigned
3169 (98.9%) exact matches, in which:
3121 unique CDR3
13 unique J



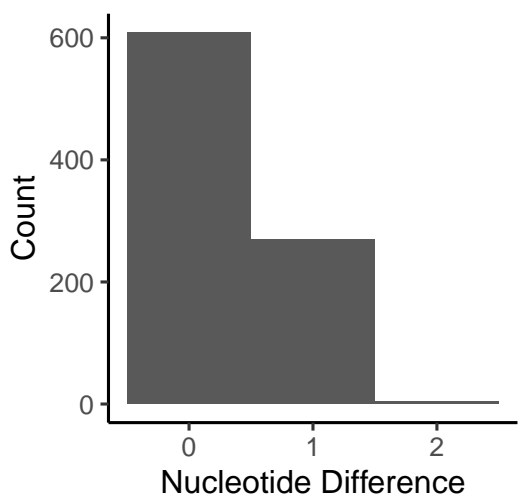
TRBV7-7*ap01

388 sequences assigned
385 (99.2%) exact matches, in which:
379 unique CDR3
13 unique J



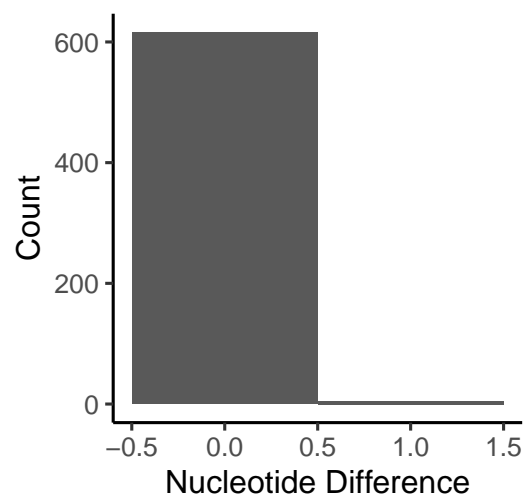
TRBV7-8*ap03

882 sequences assigned
609 (69%) exact matches, in which:
601 unique CDR3
13 unique J

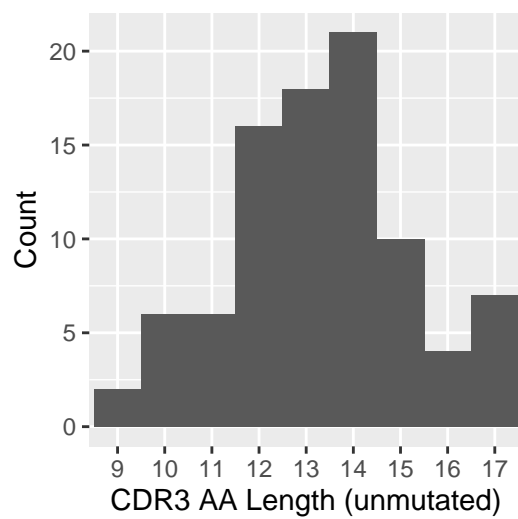


TRBV29-1*ap02

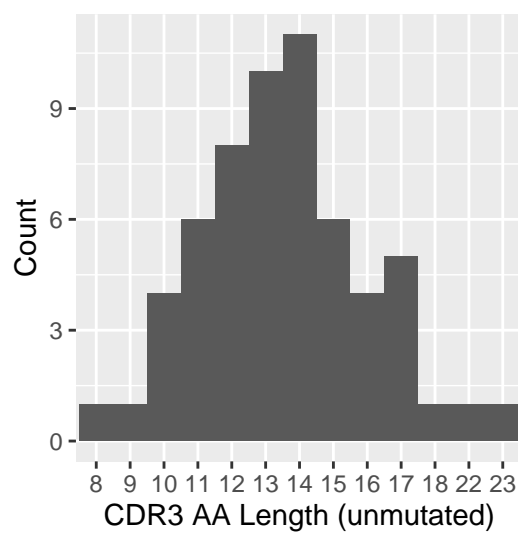
621 sequences assigned
616 (99.2%) exact matches, in which:
607 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

