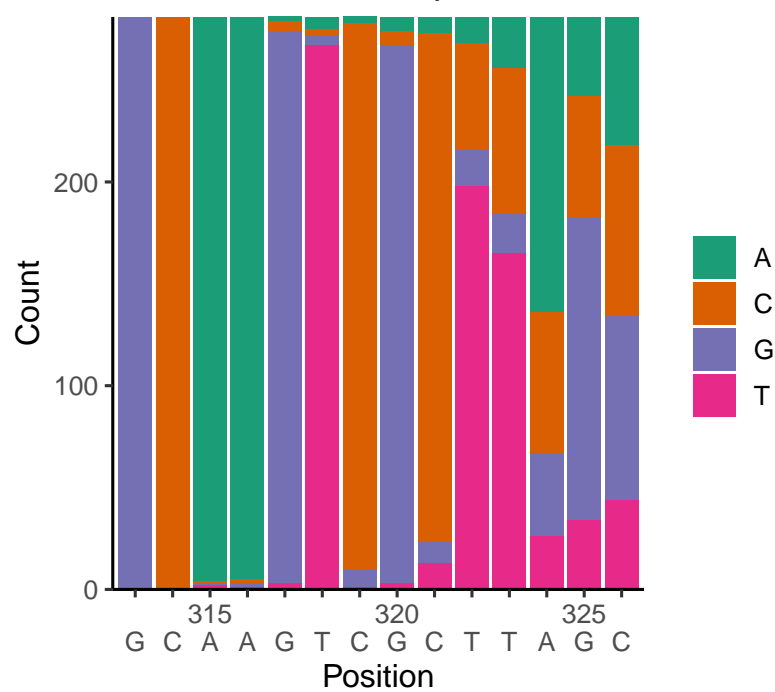
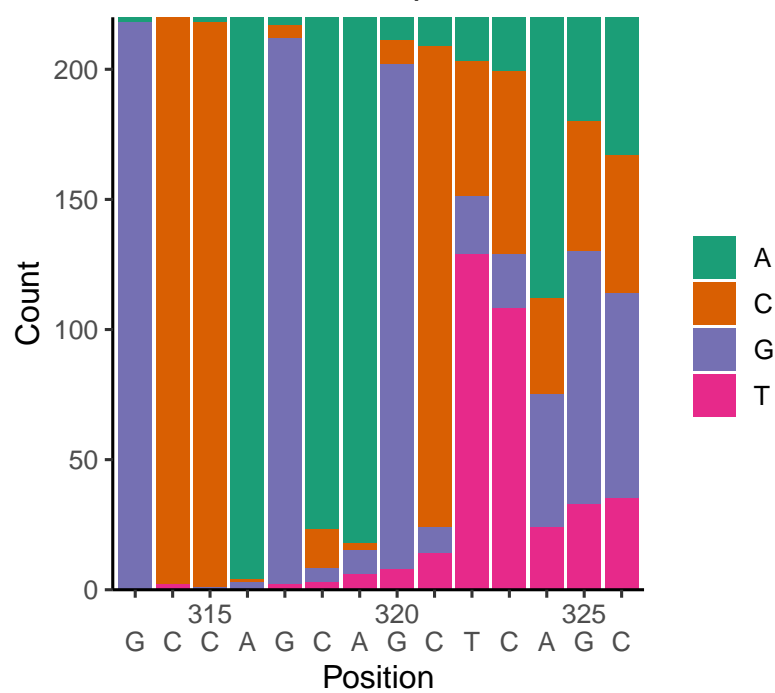


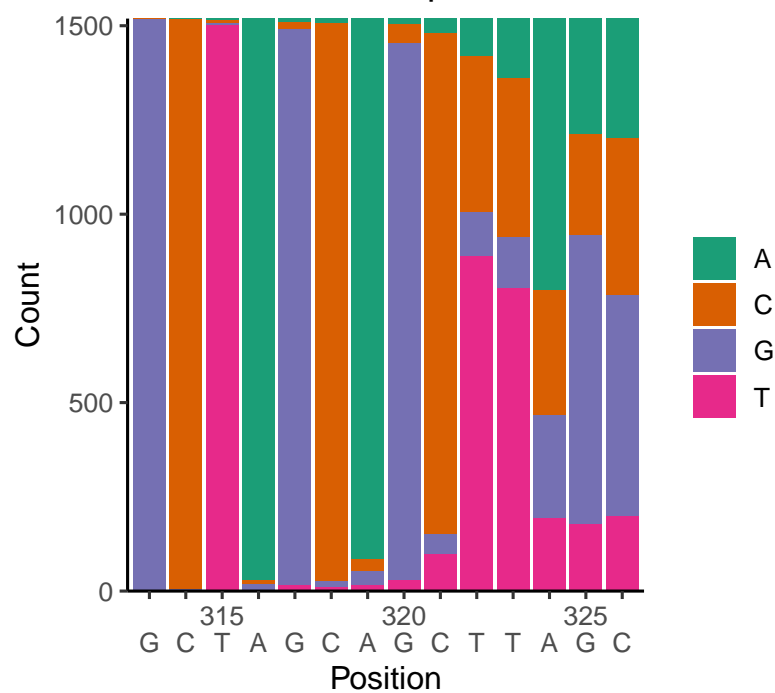
Gene TRBV12-2*ap01_G301A



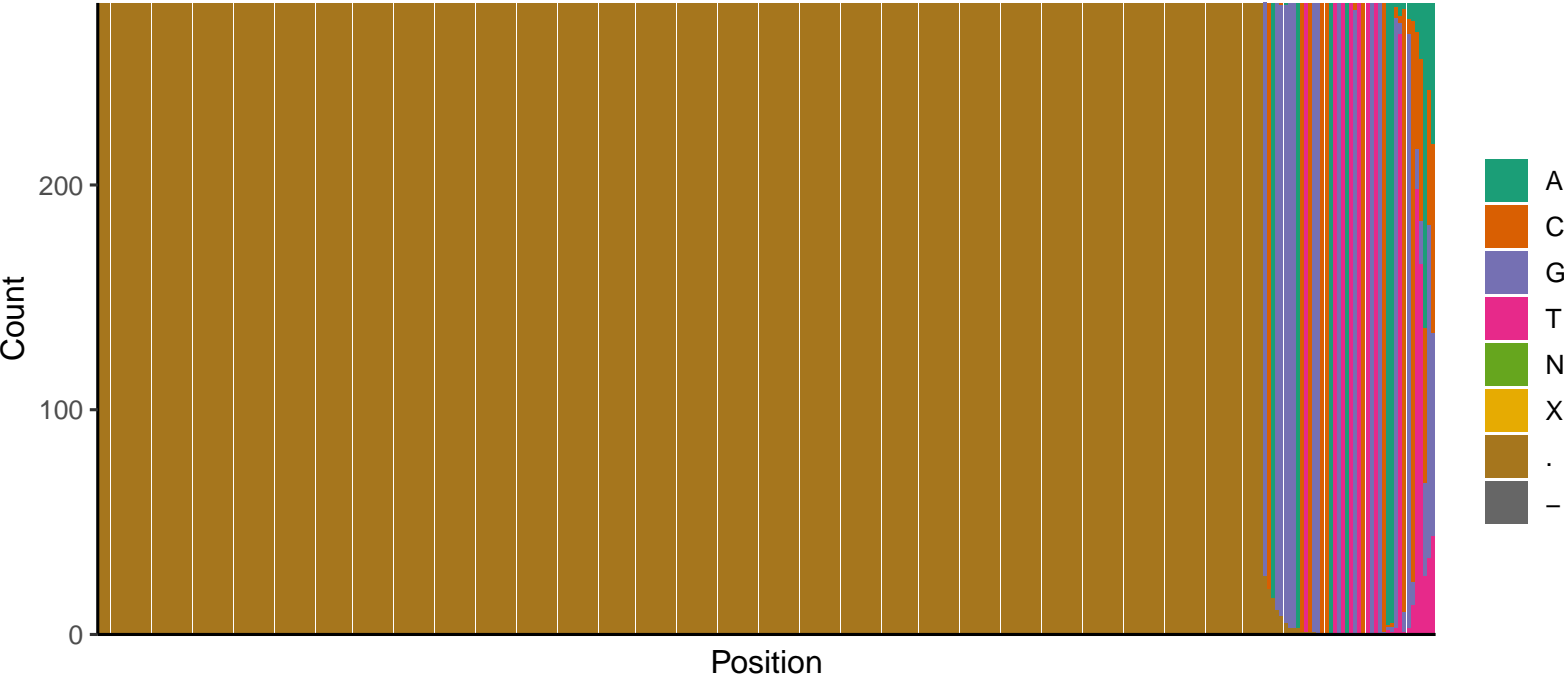
Gene TRBV7-1*ap01_G291C_T296C



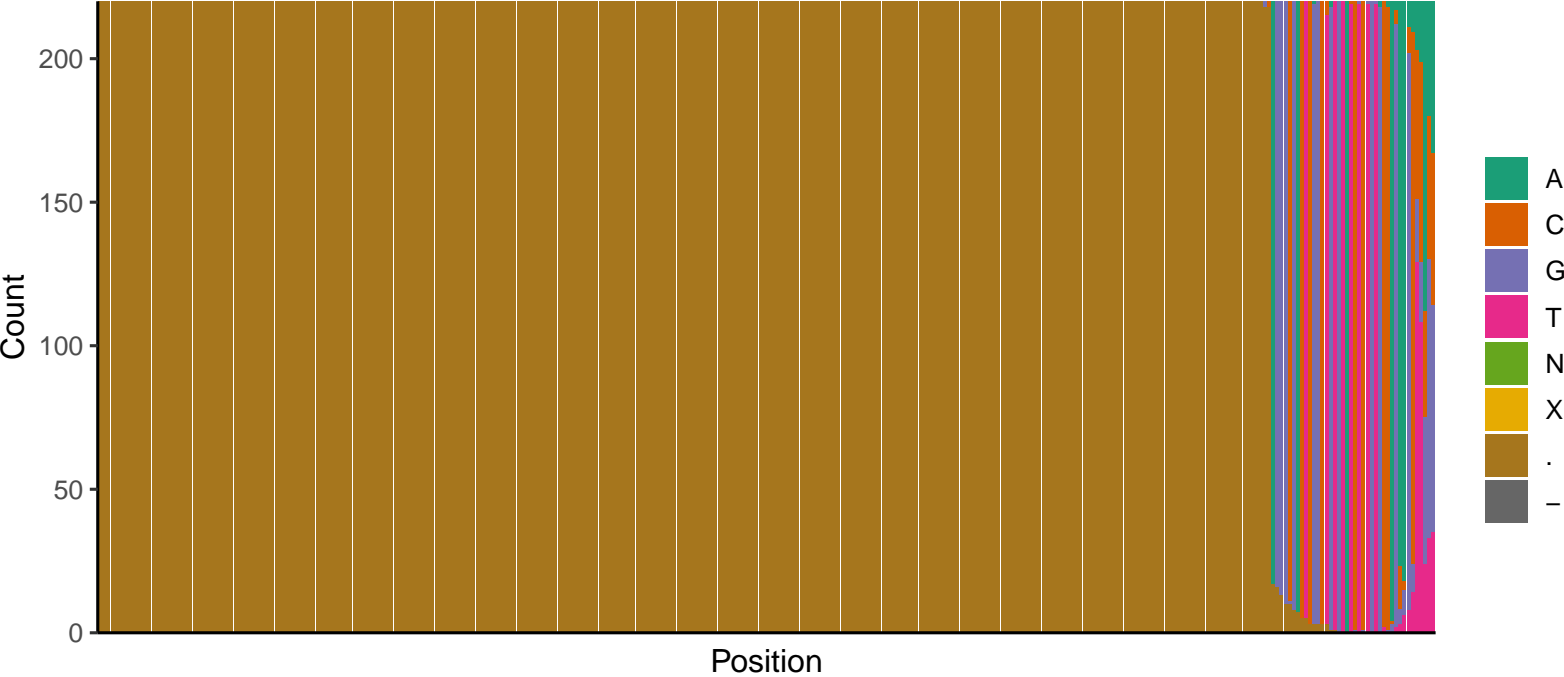
Gene TRBV7-7*ap01_C315T



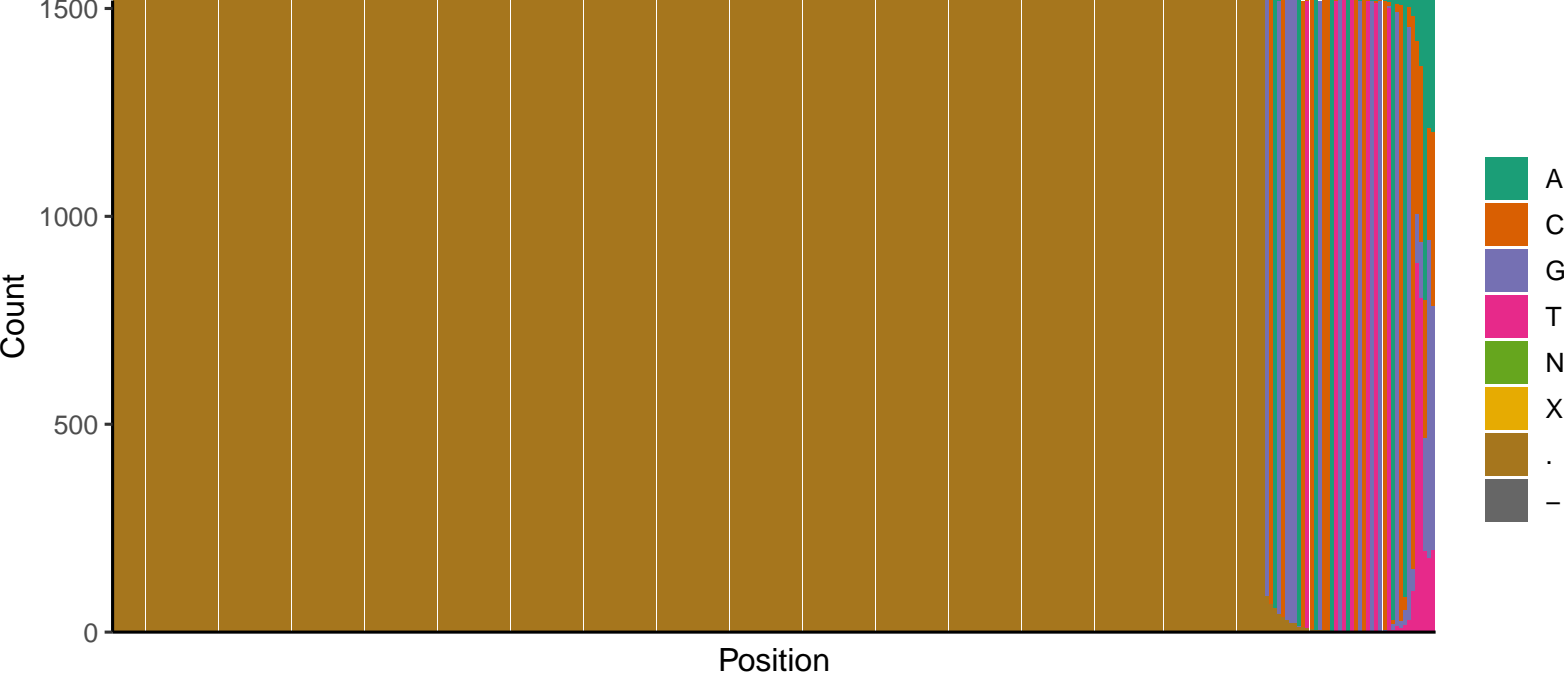
Gene TRBV12-2*ap01_G301A



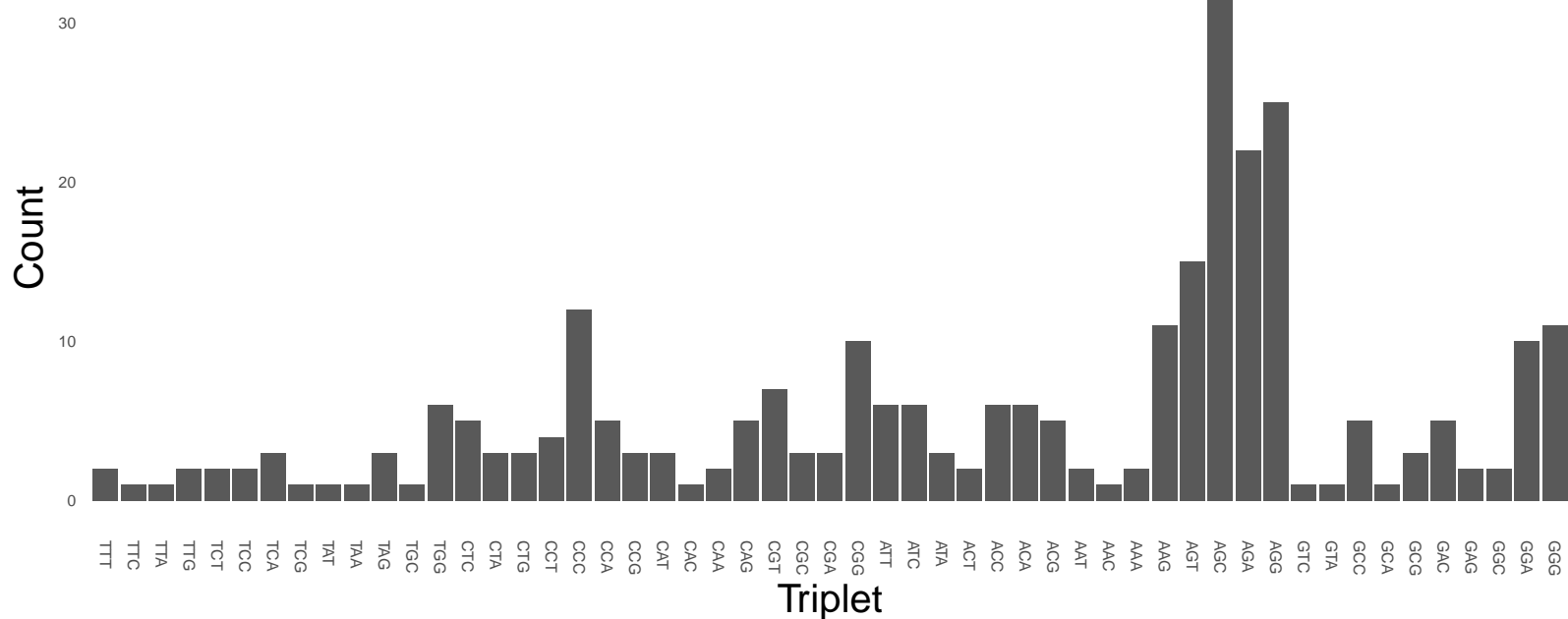
Gene TRBV7-1*ap01_G291C_T296C



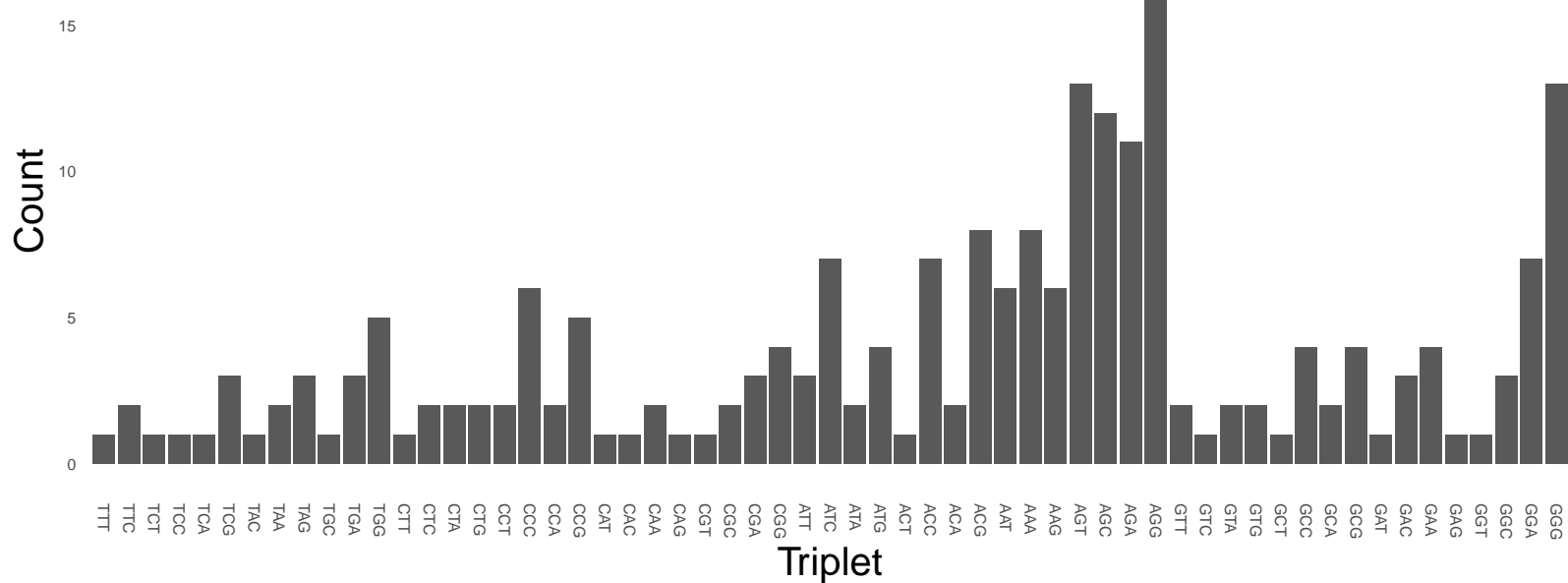
Gene TRBV7-7*ap01_C315T



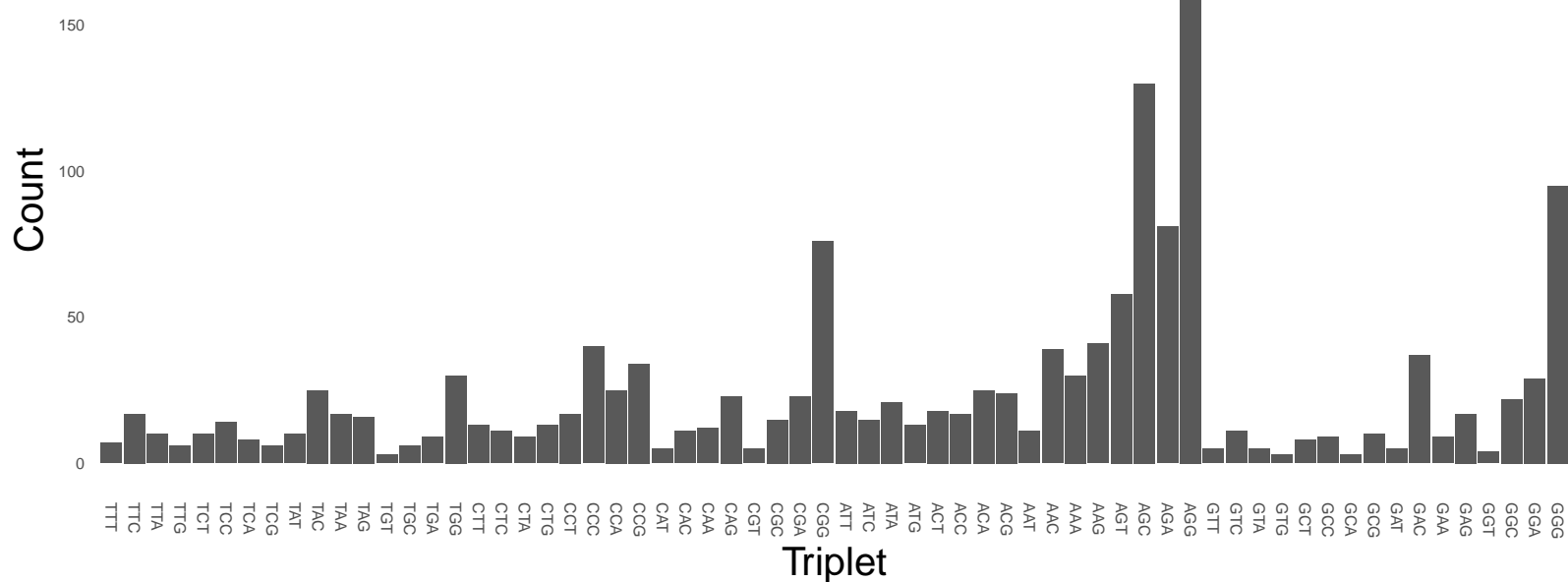
TRBV12-2*ap01_G301A- Final 3 nucleotides as a triplet



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

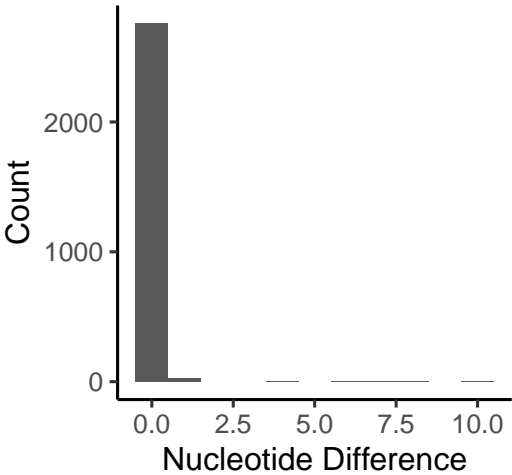


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



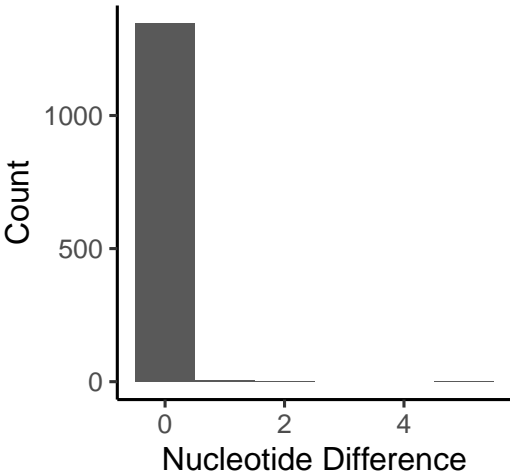
TRBV10-1*ap01

2793 sequences assigned
2759 (98.8%) exact matches, in which:
2676 unique CDR3
13 unique J



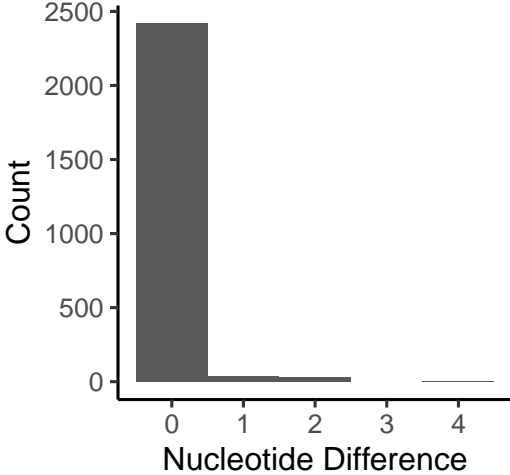
TRBV10-2*ap01

1352 sequences assigned
1346 (99.6%) exact matches, in which:
1308 unique CDR3
13 unique J



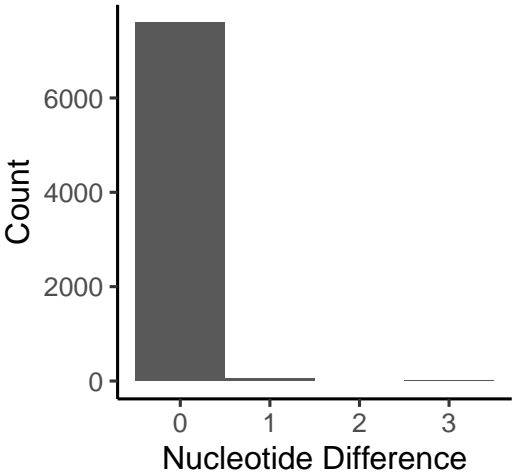
TRBV13*ap01

2490 sequences assigned
2419 (97.1%) exact matches, in which:
2323 unique CDR3
13 unique J



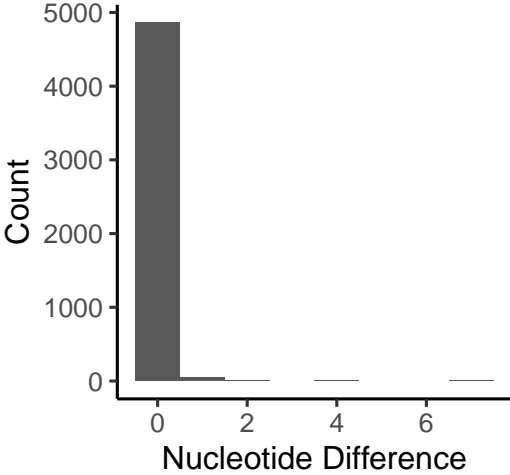
TRBV20-1*ap01

7645 sequences assigned
7595 (99.3%) exact matches, in which:
7510 unique CDR3
13 unique J



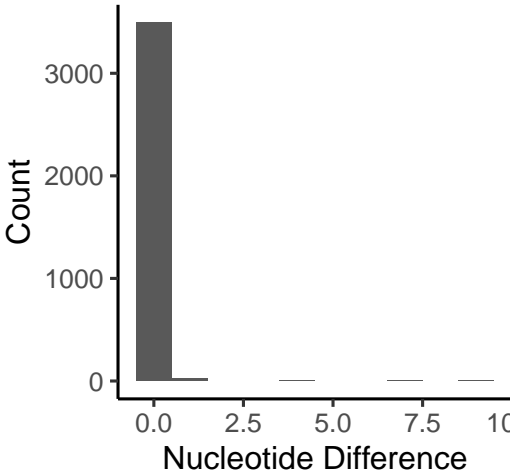
TRBV10-3*ap01

4917 sequences assigned
4861 (98.9%) exact matches, in which:
4730 unique CDR3
13 unique J



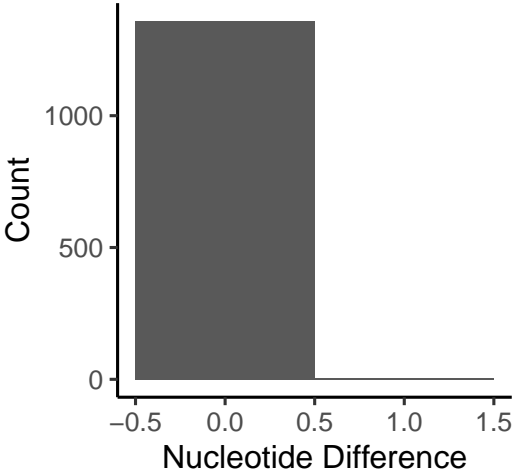
TRBV14*ap01

3519 sequences assigned
3493 (99.3%) exact matches, in which:
3433 unique CDR3
13 unique J



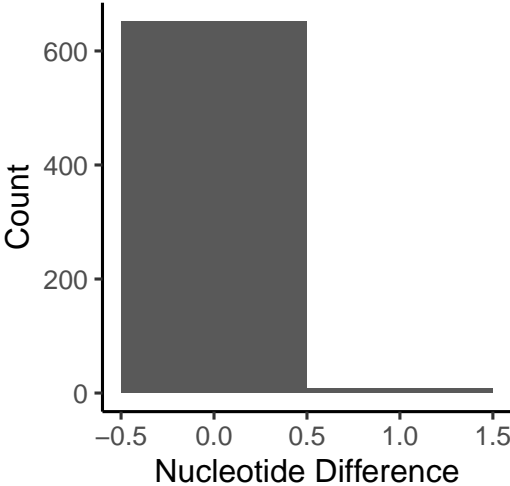
TRBV20-1*ap02

1364 sequences assigned
1359 (99.6%) exact matches, in which:
1342 unique CDR3
13 unique J



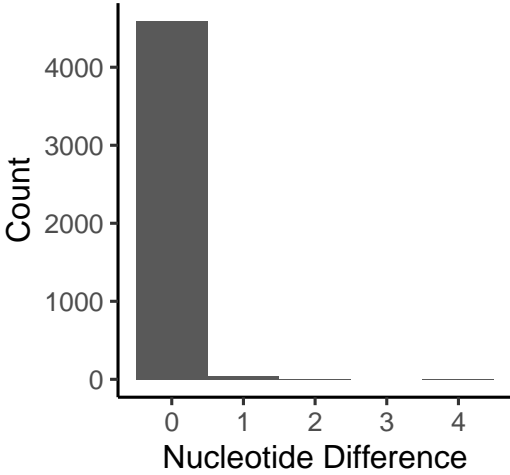
TRBV1*ap01

660 sequences assigned
652 (98.8%) exact matches, in which:
627 unique CDR3
13 unique J



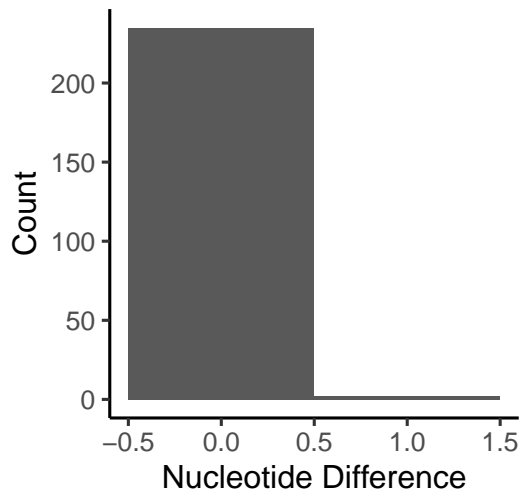
TRBV15*ap02

4638 sequences assigned
4592 (99%) exact matches, in which:
4458 unique CDR3
13 unique J



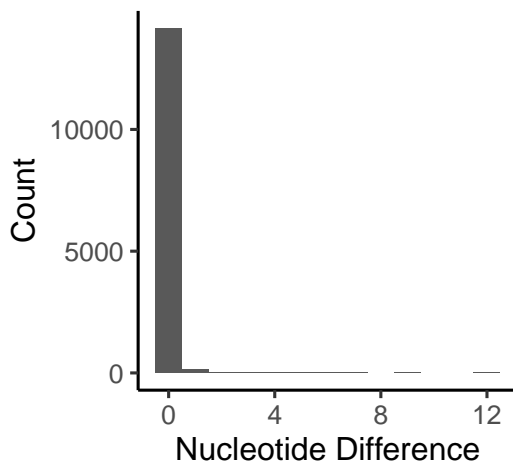
TRBV16*ap01

237 sequences assigned
235 (99.2%) exact matches, in which:
233 unique CDR3
13 unique J



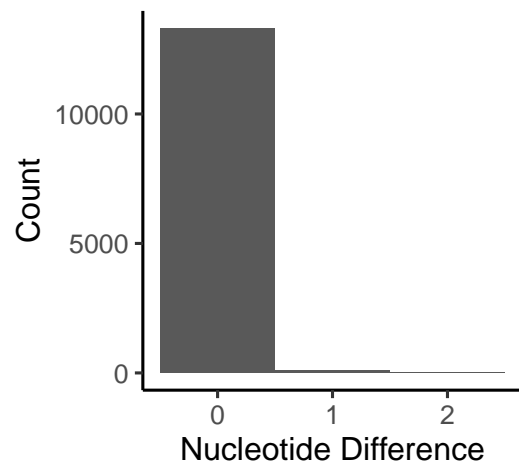
TRBV19*ap01

14304 sequences assigned
14159 (99%) exact matches, in which:
13989 unique CDR3
13 unique J



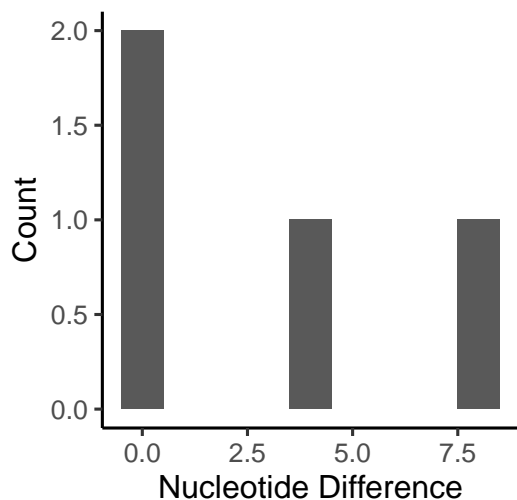
TRBV28*ap01

13404 sequences assigned
13314 (99.3%) exact matches, in which:
13063 unique CDR3
13 unique J



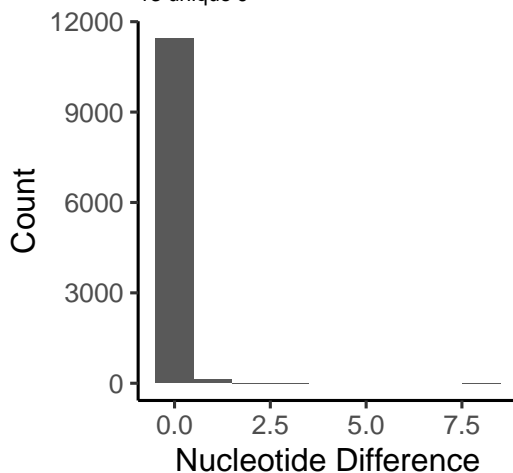
TRBV17*ap01

4 sequences assigned
2 (50%) exact matches, in which:
2 unique CDR3
2 unique J



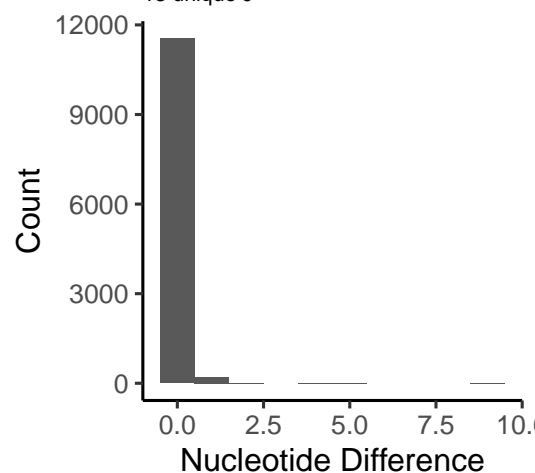
TRBV2*ap01

11573 sequences assigned
11443 (98.9%) exact matches, in which:
11161 unique CDR3
13 unique J



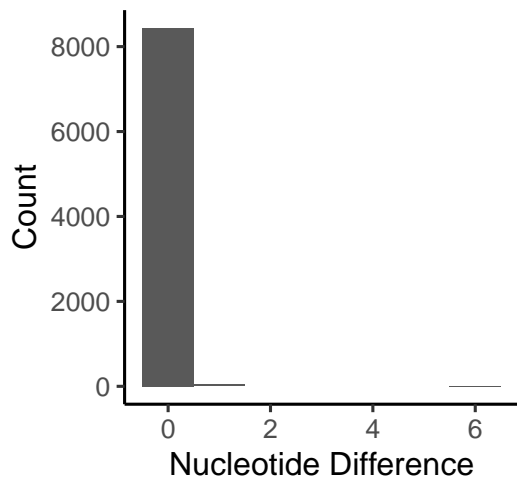
TRBV30*ap01

11765 sequences assigned
11546 (98.1%) exact matches, in which:
10989 unique CDR3
13 unique J



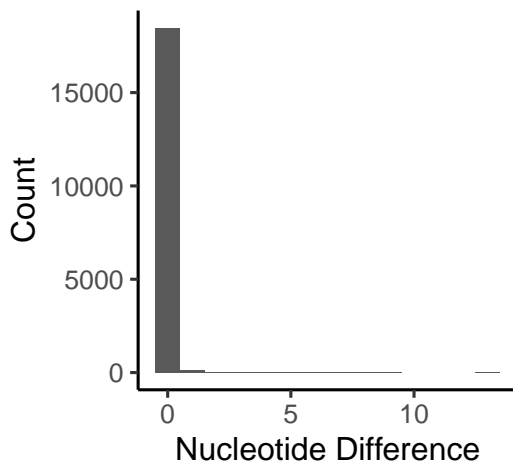
TRBV18*ap01

8480 sequences assigned
8437 (99.5%) exact matches, in which:
8336 unique CDR3
13 unique J



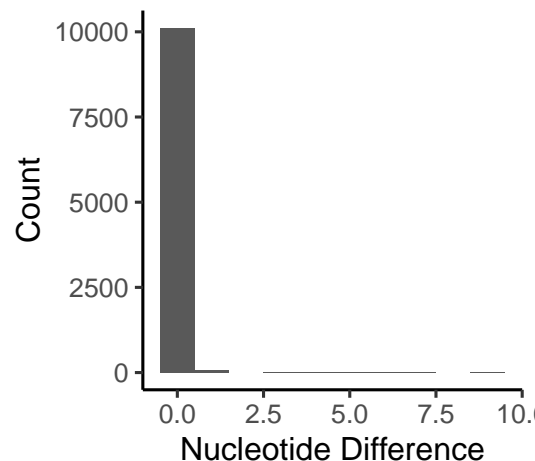
TRBV27*ap01

18653 sequences assigned
18472 (99%) exact matches, in which:
18055 unique CDR3
13 unique J



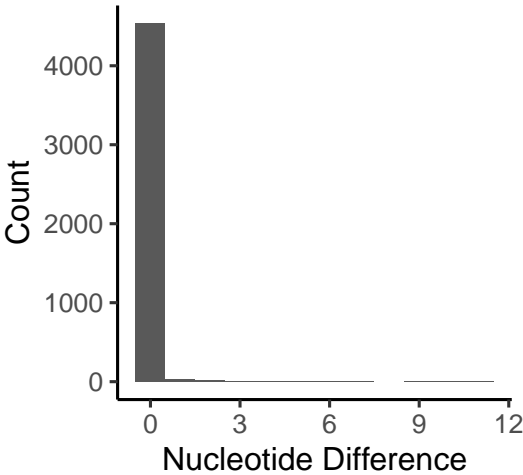
TRBV9*ap01

10193 sequences assigned
10118 (99.3%) exact matches, in which:
9985 unique CDR3
13 unique J



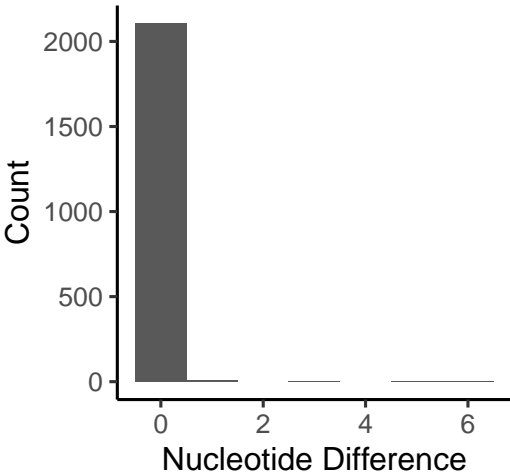
TRBV21-1*ap01

4599 sequences assigned
4536 (98.6%) exact matches, in which:
4474 unique CDR3
13 unique J



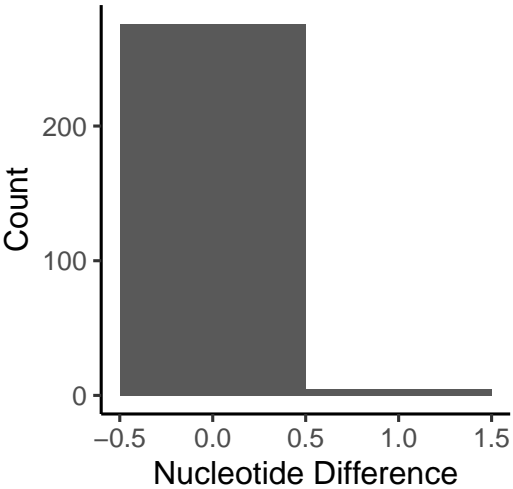
TRBV11-3*ap01

2118 sequences assigned
2106 (99.4%) exact matches, in which:
2089 unique CDR3
13 unique J



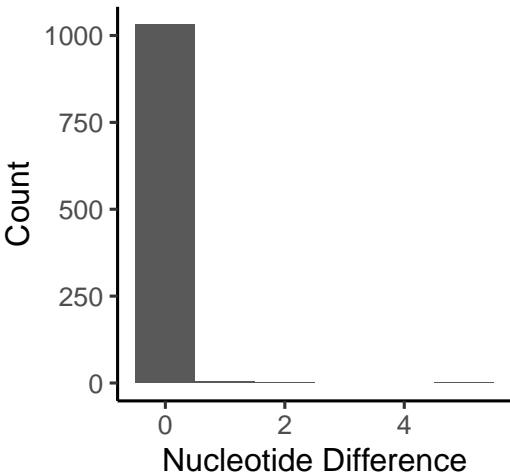
TRBV12-2*ap01_G301A

281 sequences assigned
276 (98.2%) exact matches, in which:
264 unique CDR3
12 unique J



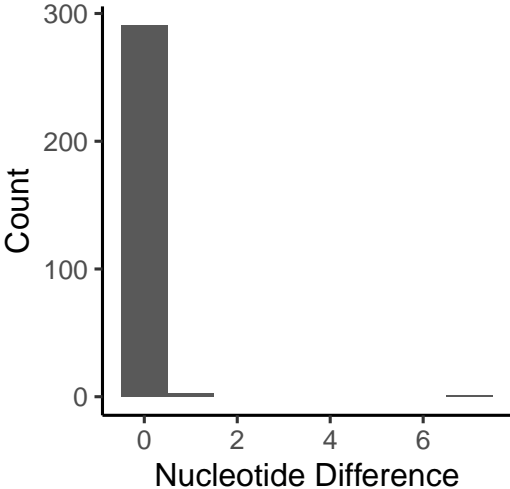
TRBV11-1*ap01

1038 sequences assigned
1031 (99.3%) exact matches, in which:
1018 unique CDR3
13 unique J



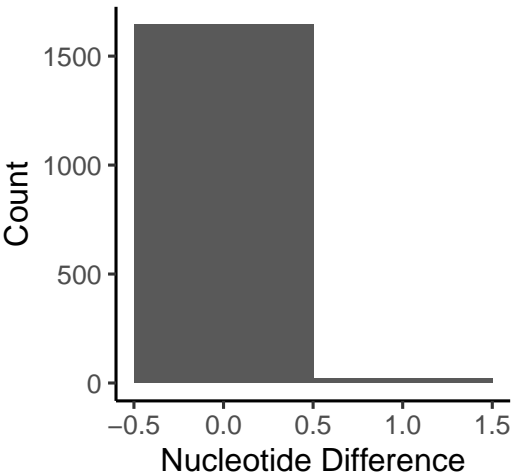
TRBV12-1*ap01

295 sequences assigned
291 (98.6%) exact matches, in which:
284 unique CDR3
13 unique J



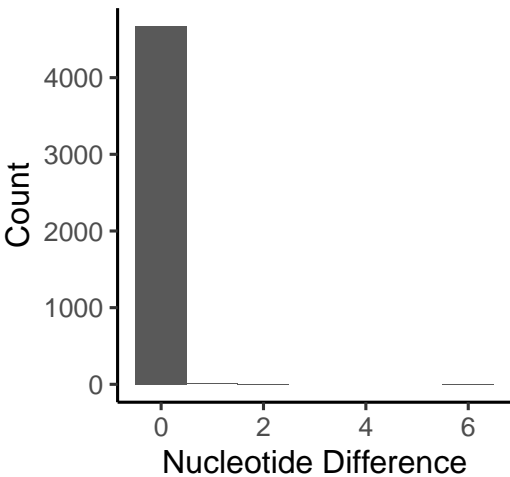
TRBV12-5*ap01

1663 sequences assigned
1644 (98.9%) exact matches, in which:
1604 unique CDR3
13 unique J



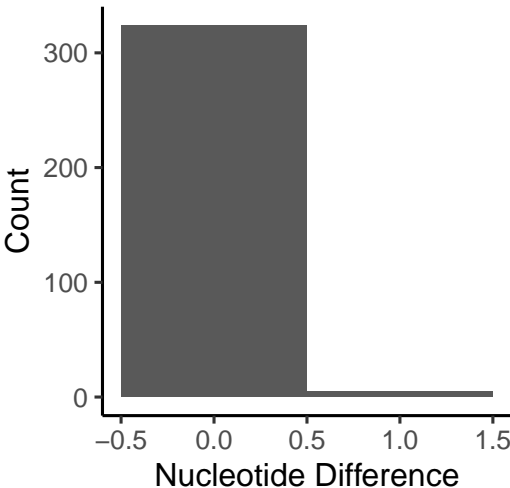
TRBV11-2*ap01

4687 sequences assigned
4673 (99.7%) exact matches, in which:
4634 unique CDR3
13 unique J



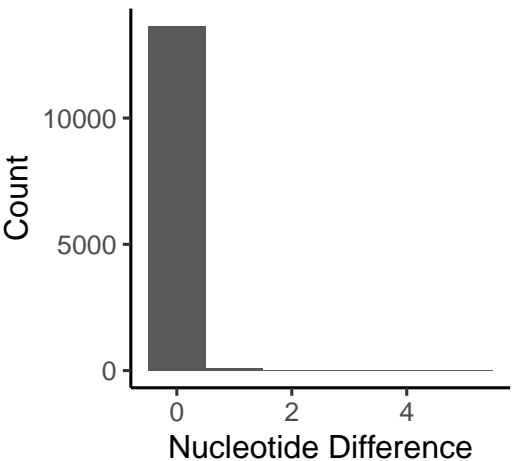
TRBV12-2*ap01

329 sequences assigned
324 (98.5%) exact matches, in which:
317 unique CDR3
13 unique J



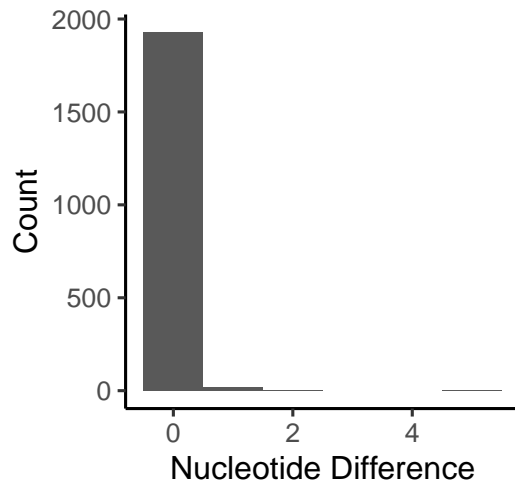
TRBV12-34*ap01

13776 sequences assigned
13655 (99.1%) exact matches, in which:
13331 unique CDR3
13 unique J



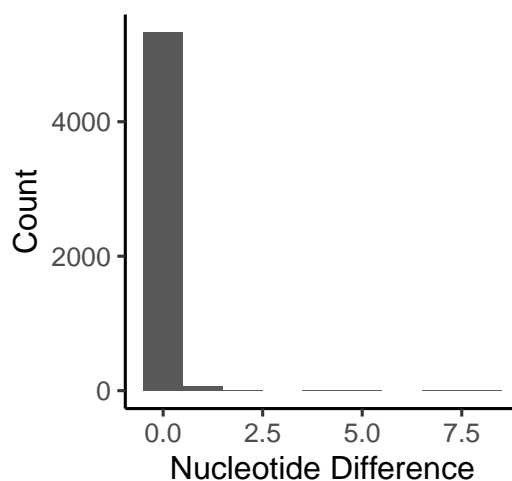
TRBV23-1*ap01

1950 sequences assigned
1928 (98.9%) exact matches, in which:
1893 unique CDR3
13 unique J



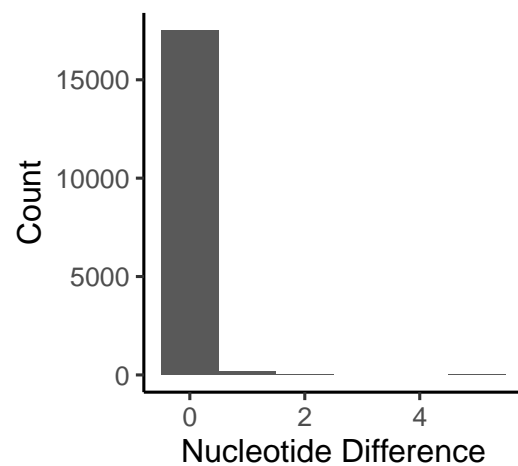
TRBV24-1*ap01

5416 sequences assigned
5328 (98.4%) exact matches, in which:
5194 unique CDR3
13 unique J



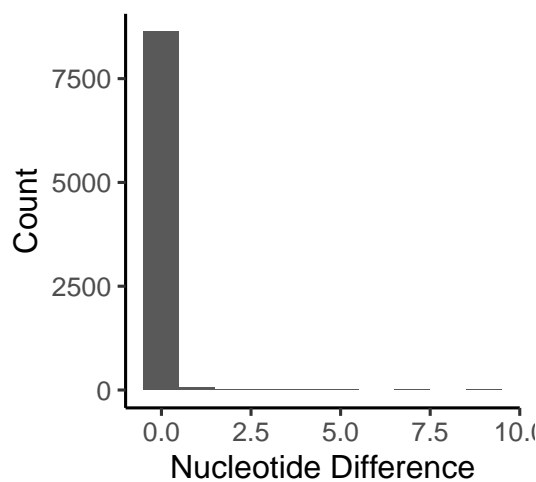
TRBV5-1*ap01

17702 sequences assigned
17522 (99%) exact matches, in which:
17089 unique CDR3
13 unique J



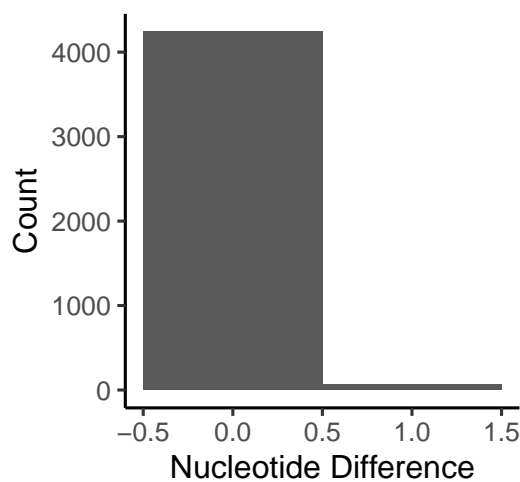
TRBV3-12*ap01

8702 sequences assigned
8630 (99.2%) exact matches, in which:
8506 unique CDR3
13 unique J



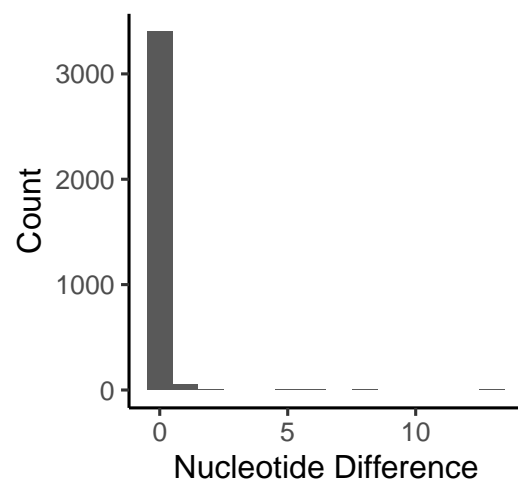
TRBV4-2*ap01

4302 sequences assigned
4242 (98.6%) exact matches, in which:
4124 unique CDR3
13 unique J



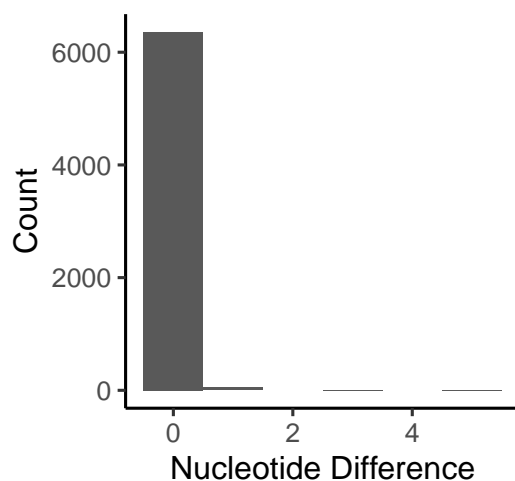
TRBV25-1*ap01

3460 sequences assigned
3400 (98.3%) exact matches, in which:
3233 unique CDR3
13 unique J



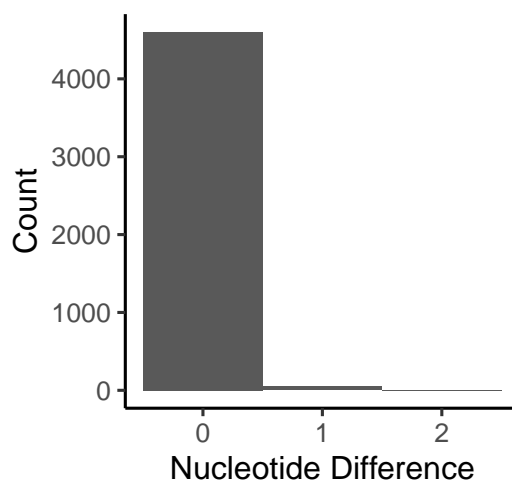
TRBV4-1*ap01

6410 sequences assigned
6358 (99.2%) exact matches, in which:
6134 unique CDR3
13 unique J



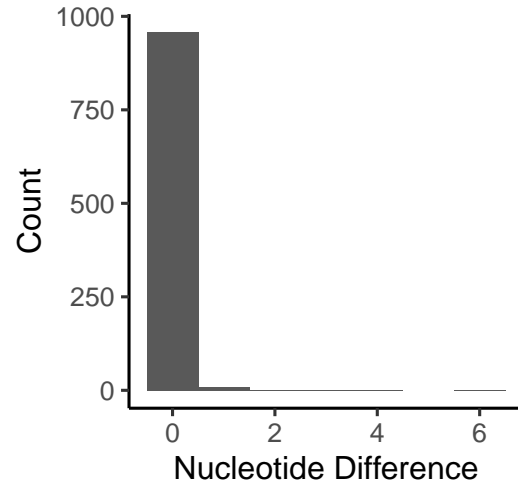
TRBV4-3*ap01

4652 sequences assigned
4601 (98.9%) exact matches, in which:
4507 unique CDR3
13 unique J



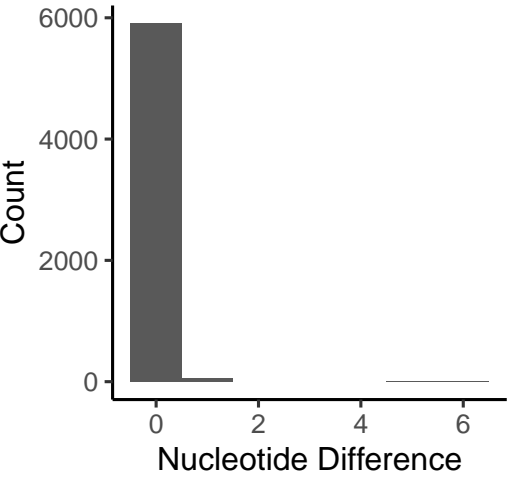
TRBV5-3*ap01

971 sequences assigned
958 (98.7%) exact matches, in which:
931 unique CDR3
13 unique J



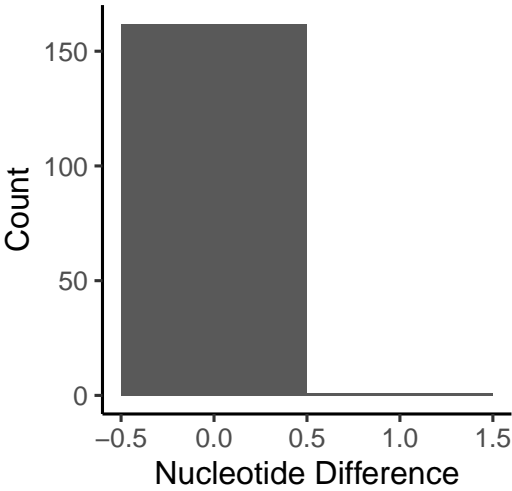
TRBV5-4*ap01

5972 sequences assigned
5907 (98.9%) exact matches, in which:
5755 unique CDR3
13 unique J



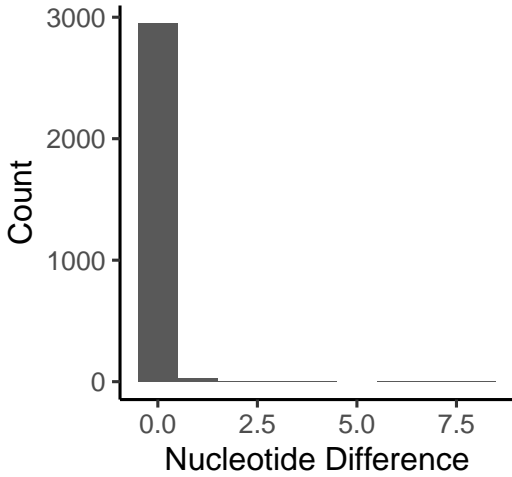
TRBV5-7*ap01

163 sequences assigned
162 (99.4%) exact matches, in which:
153 unique CDR3
13 unique J



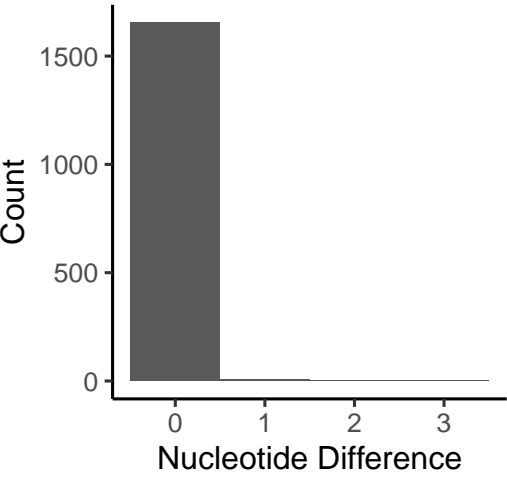
TRBV6-4*ap01

2996 sequences assigned
2949 (98.4%) exact matches, in which:
2882 unique CDR3
13 unique J



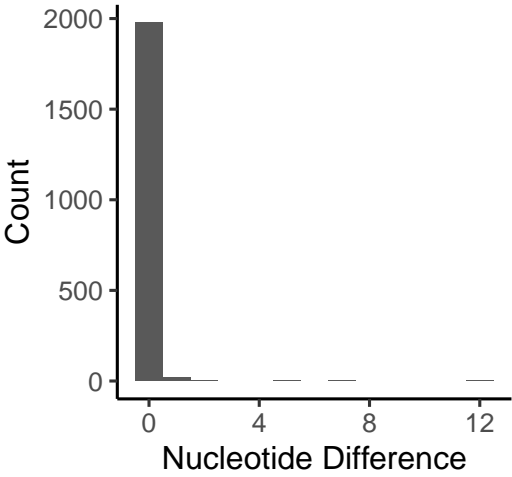
TRBV5-5*ap01

1663 sequences assigned
1654 (99.5%) exact matches, in which:
1643 unique CDR3
13 unique J



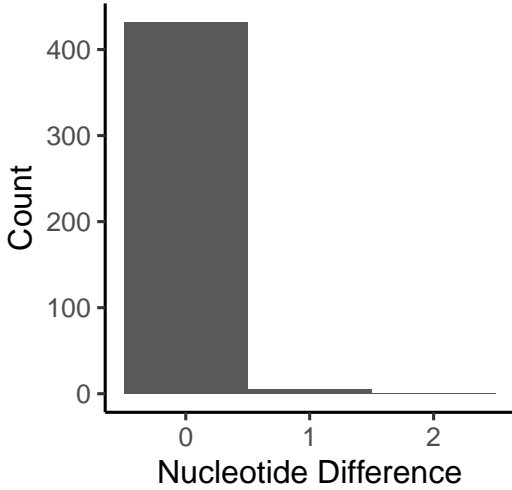
TRBV5-8*ap01

1999 sequences assigned
1977 (98.9%) exact matches, in which:
1931 unique CDR3
13 unique J



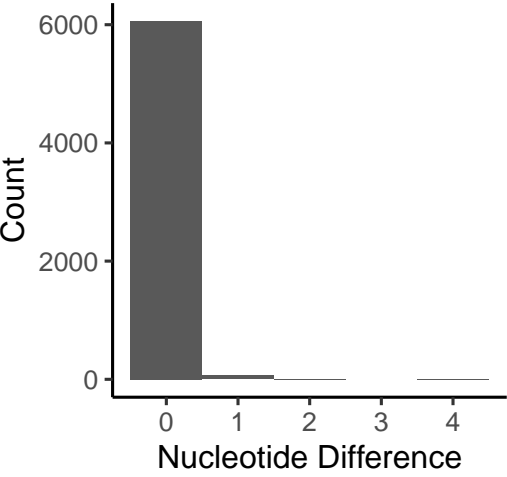
TRBV6-7*ap01

438 sequences assigned
432 (98.6%) exact matches, in which:
417 unique CDR3
13 unique J



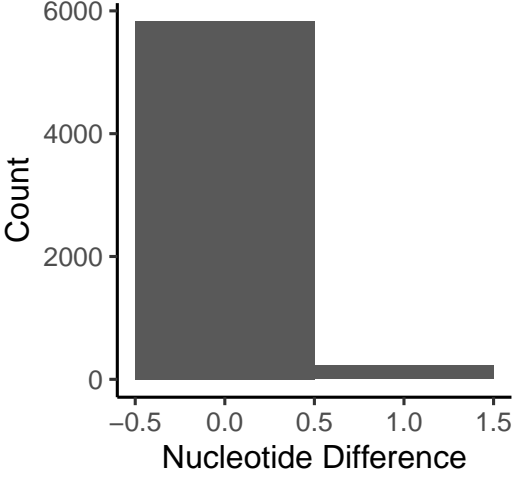
TRBV5-6*ap01

6128 sequences assigned
6062 (98.9%) exact matches, in which:
5786 unique CDR3
13 unique J



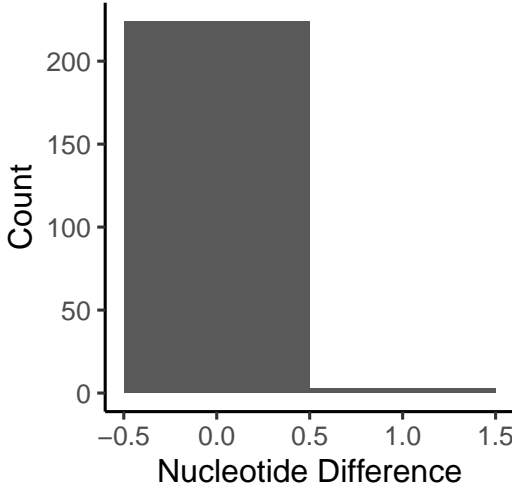
TRBV6-1*ap01

6061 sequences assigned
5834 (96.3%) exact matches, in which:
5650 unique CDR3
13 unique J



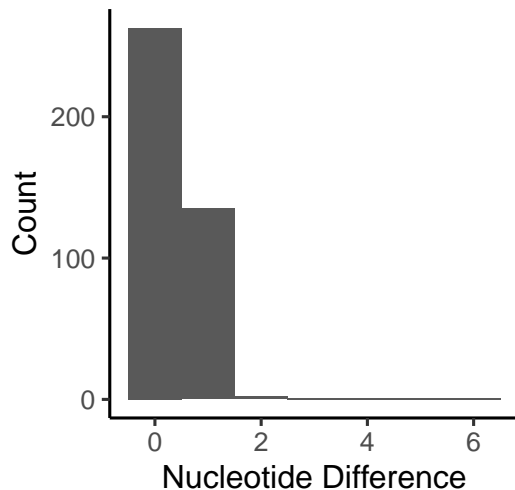
TRBV6-8*ap01

227 sequences assigned
224 (98.7%) exact matches, in which:
218 unique CDR3
13 unique J



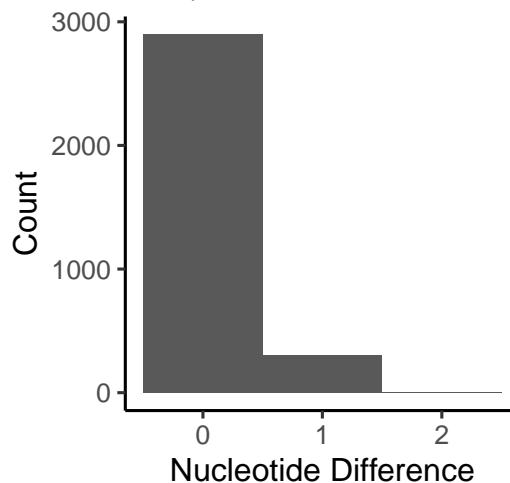
TRBV6-9*ap01

404 sequences assigned
263 (65.1%) exact matches, in which:
253 unique CDR3
13 unique J



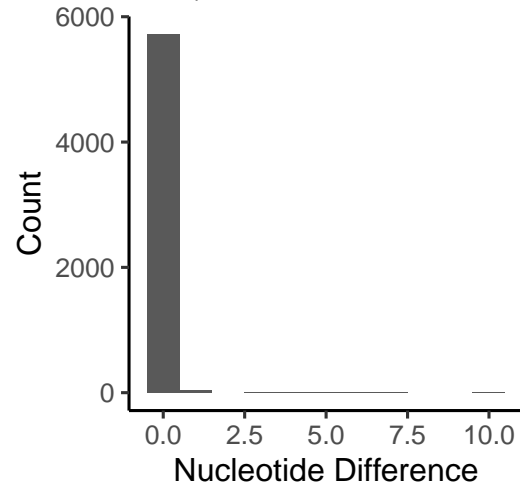
TRBV6-56*ap02

3206 sequences assigned
2898 (90.4%) exact matches, in which:
2783 unique CDR3
13 unique J



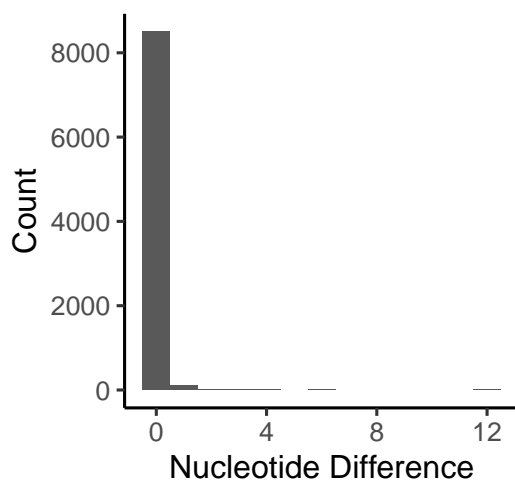
TRBV7-3*ap01

5772 sequences assigned
5718 (99.1%) exact matches, in which:
5660 unique CDR3
13 unique J



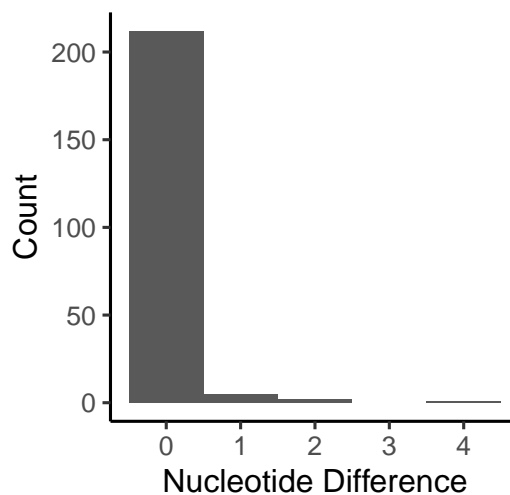
TRBV6-23*ap01

8613 sequences assigned
8500 (98.7%) exact matches, in which:
8176 unique CDR3
13 unique J



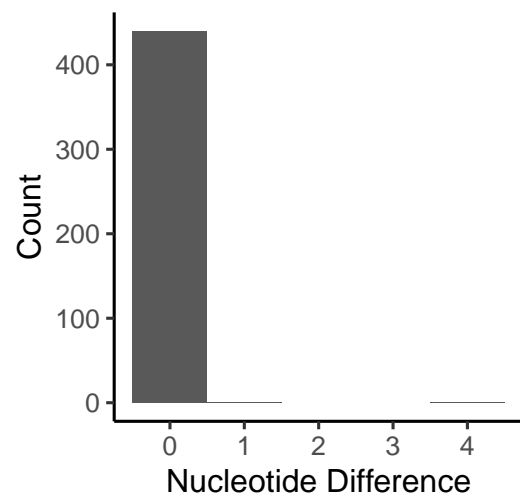
TRBV7-1*ap01_G291C_

220 sequences assigned
212 (96.4%) exact matches, in which:
211 unique CDR3
12 unique J



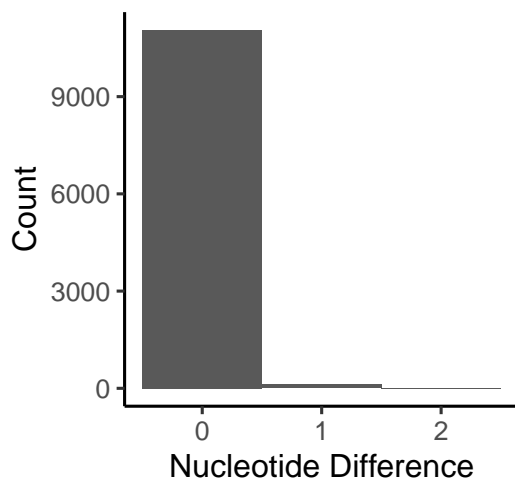
TRBV7-4*ap01

442 sequences assigned
440 (99.5%) exact matches, in which:
435 unique CDR3
13 unique J



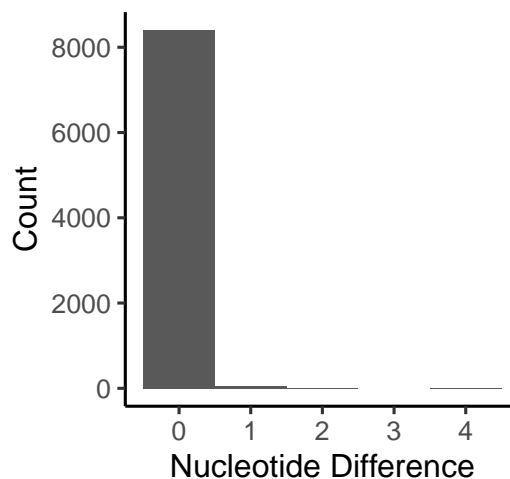
TRBV6-56*ap01

11172 sequences assigned
11055 (99%) exact matches, in which:
10637 unique CDR3
13 unique J



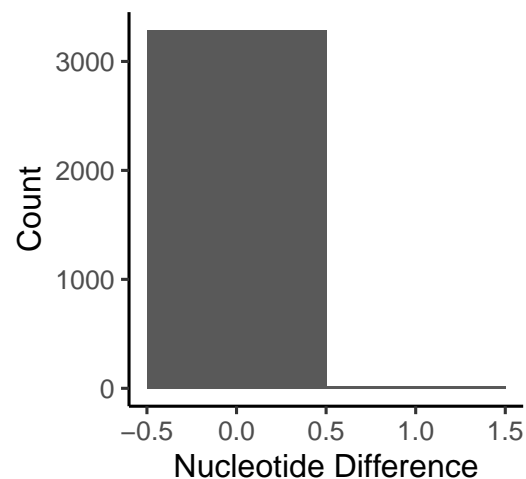
TRBV7-2*ap01

8458 sequences assigned
8404 (99.4%) exact matches, in which:
8247 unique CDR3
13 unique J



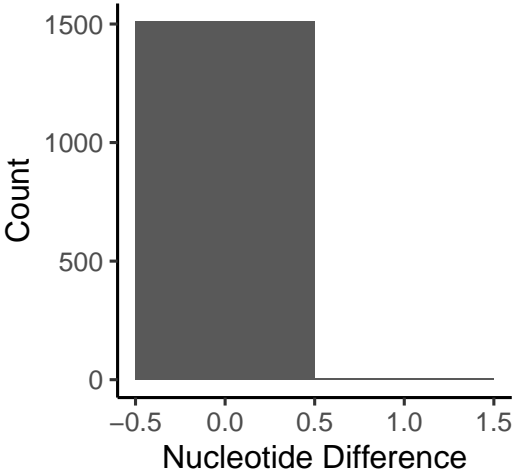
TRBV7-6*ap01

3309 sequences assigned
3288 (99.4%) exact matches, in which:
3220 unique CDR3
13 unique J



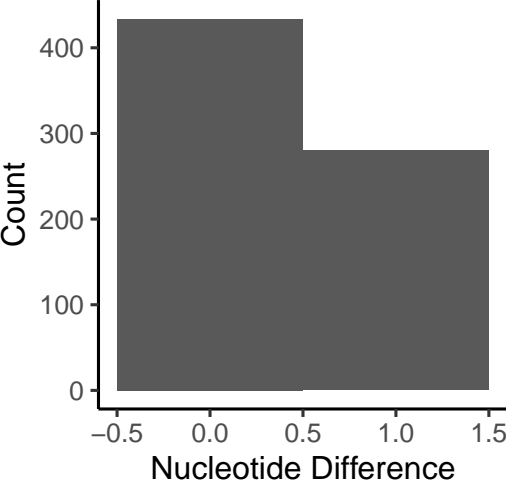
TRBV7-7*ap01_C315T

1519 sequences assigned
1511 (99.5%) exact matches, in which:
1481 unique CDR3
13 unique J



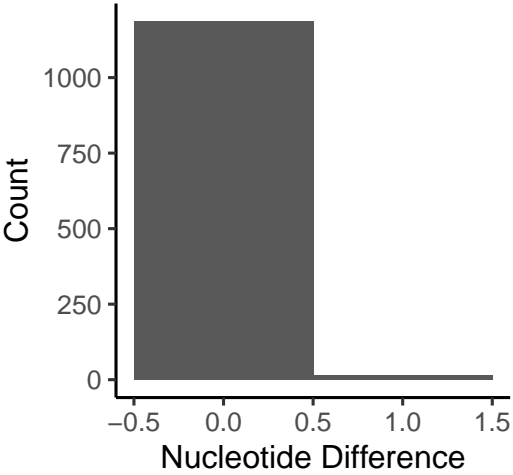
TRBV7-8*ap03

714 sequences assigned
434 (60.8%) exact matches, in which:
423 unique CDR3
13 unique J



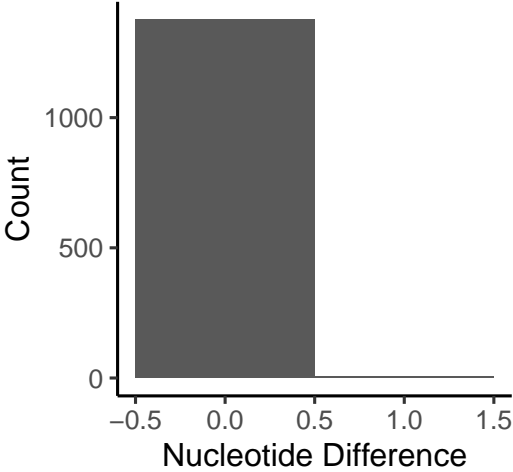
TRBV29-1*ap02

1201 sequences assigned
1186 (98.8%) exact matches, in which:
1126 unique CDR3
13 unique J



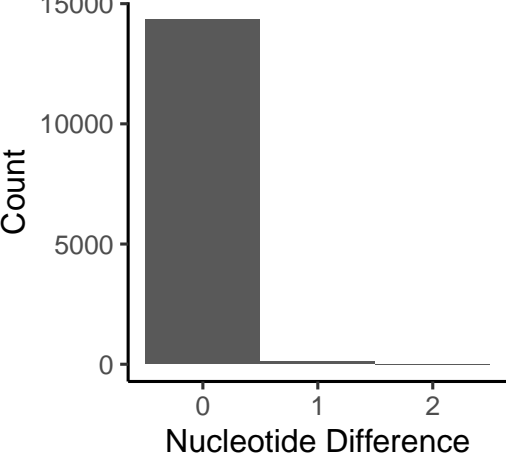
TRBV7-8*ap01

1382 sequences assigned
1376 (99.6%) exact matches, in which:
1352 unique CDR3
13 unique J



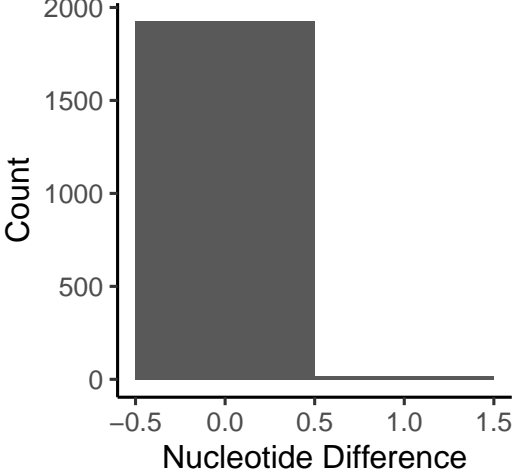
TRBV7-9*ap01

14468 sequences assigned
14342 (99.1%) exact matches, in which:
14034 unique CDR3
13 unique J



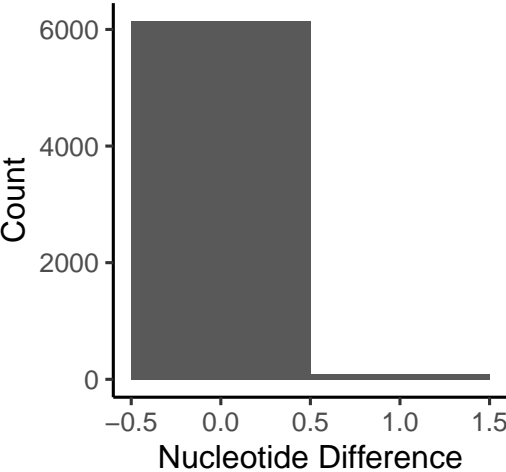
TRBV7-8*ap02

1946 sequences assigned
1927 (99%) exact matches, in which:
1875 unique CDR3
13 unique J

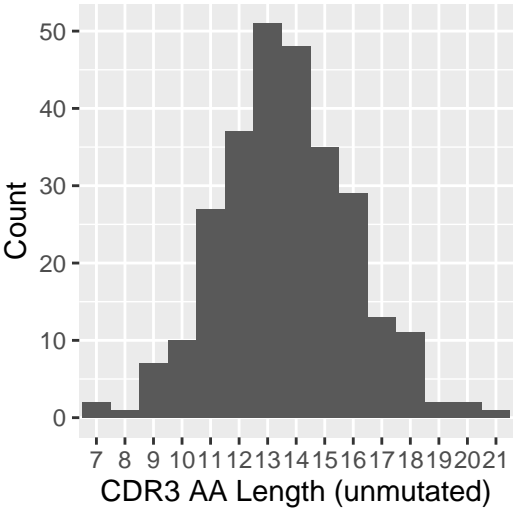


TRBV29-1*ap01

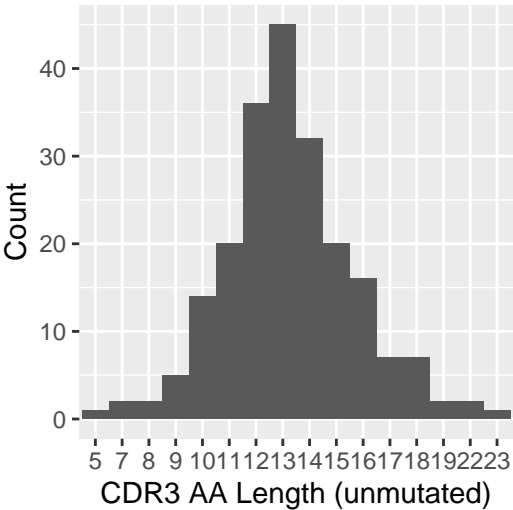
6234 sequences assigned
6144 (98.6%) exact matches, in which:
5800 unique CDR3
13 unique J



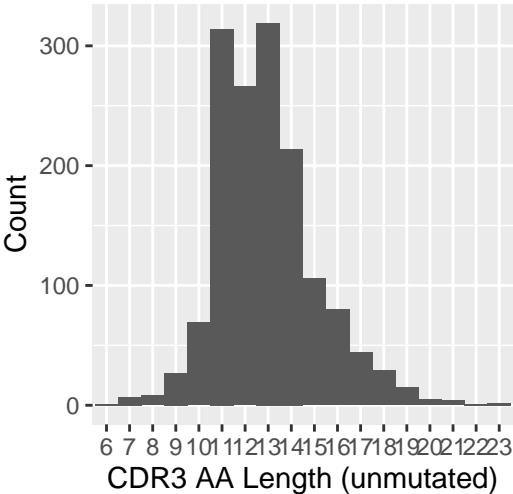
TRBV12-2*ap01_G301A



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]