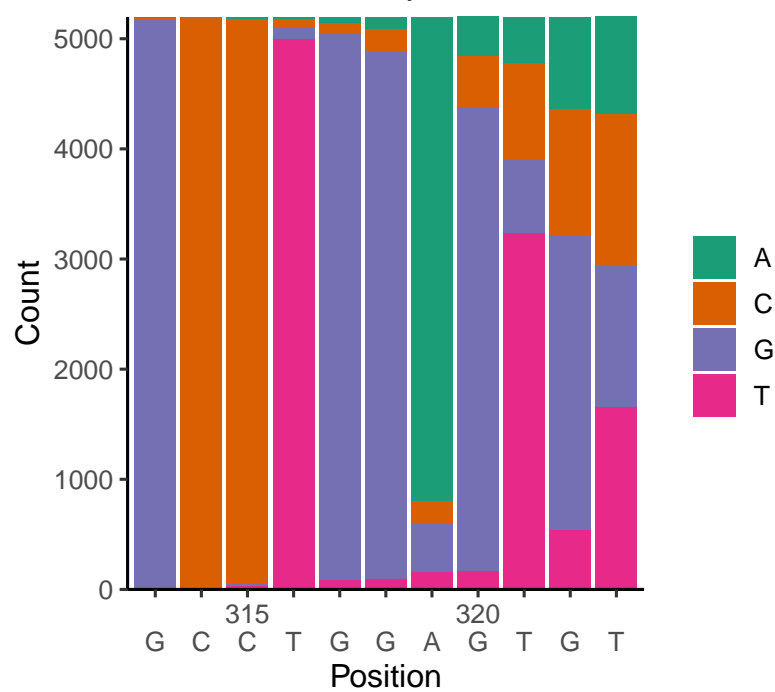
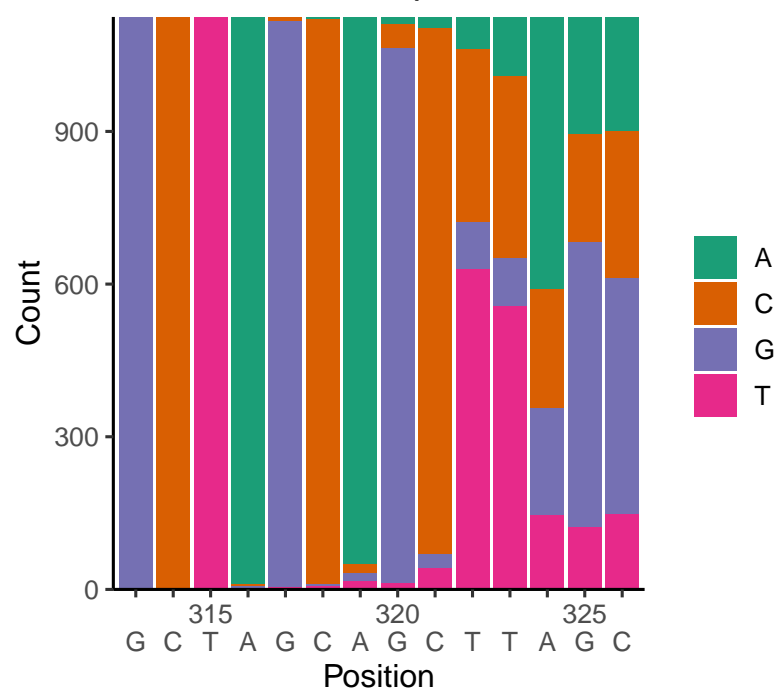


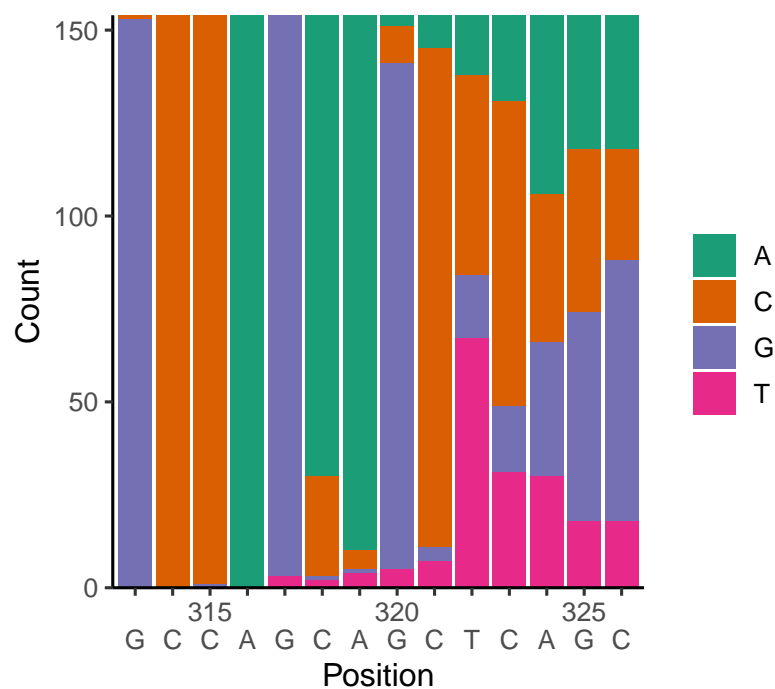
Gene TRBV30*ap01_G298A



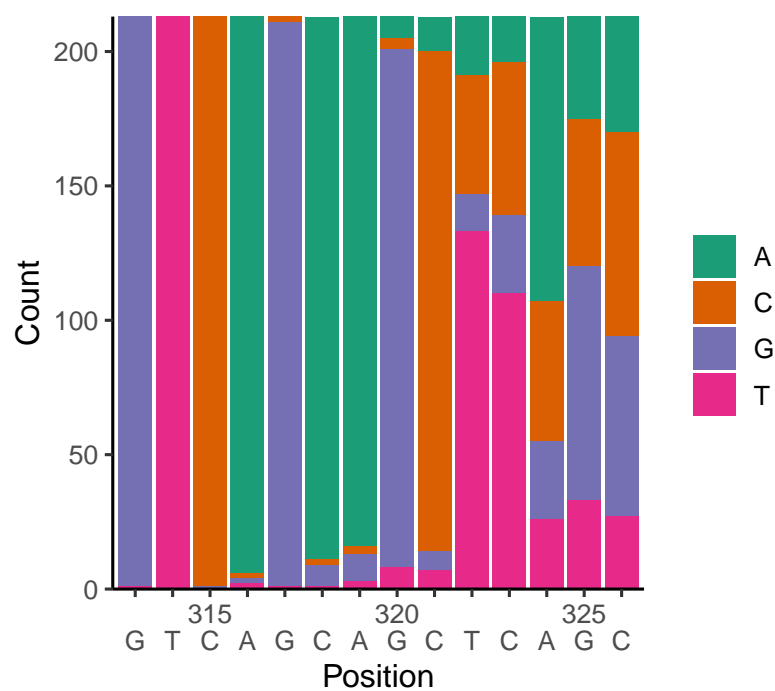
Gene TRBV7-7*ap01_C315T



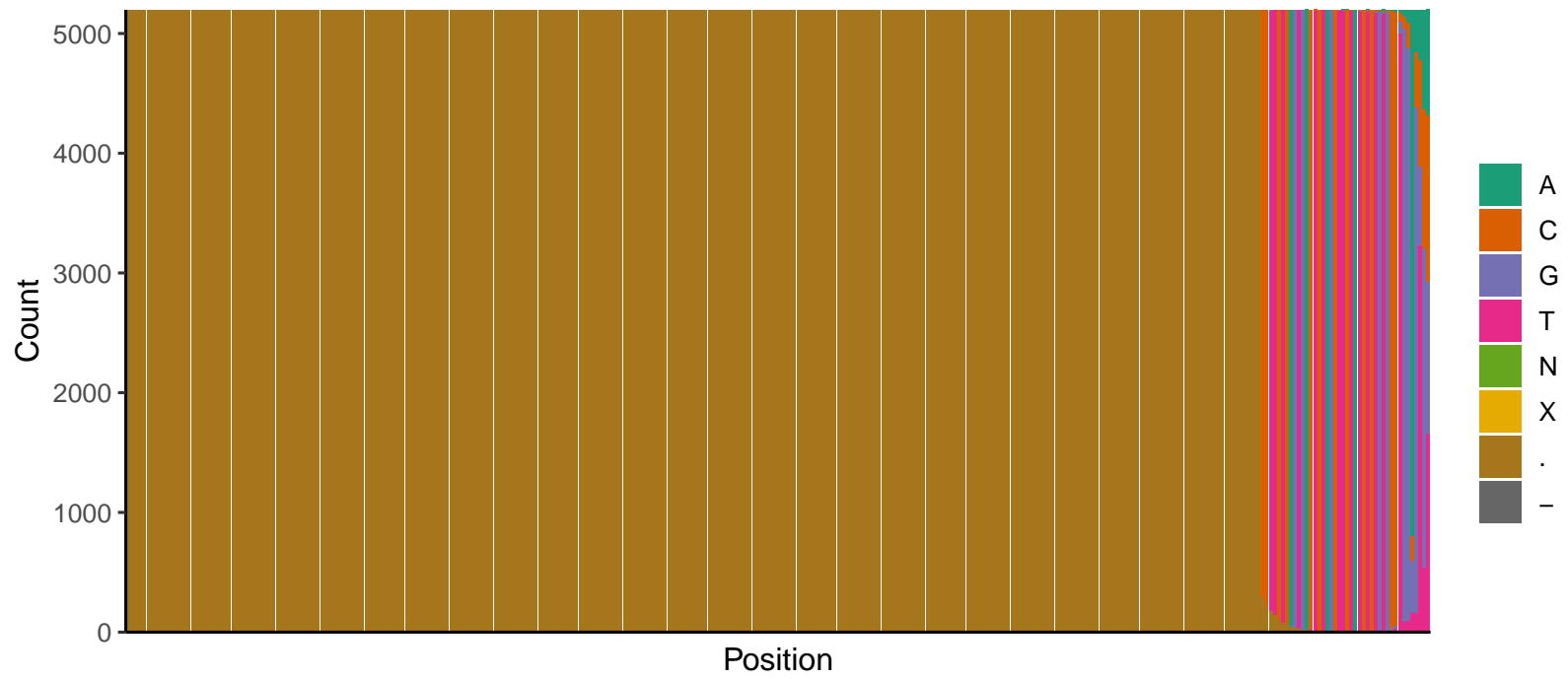
Gene TRBV7-1*ap01_T296C



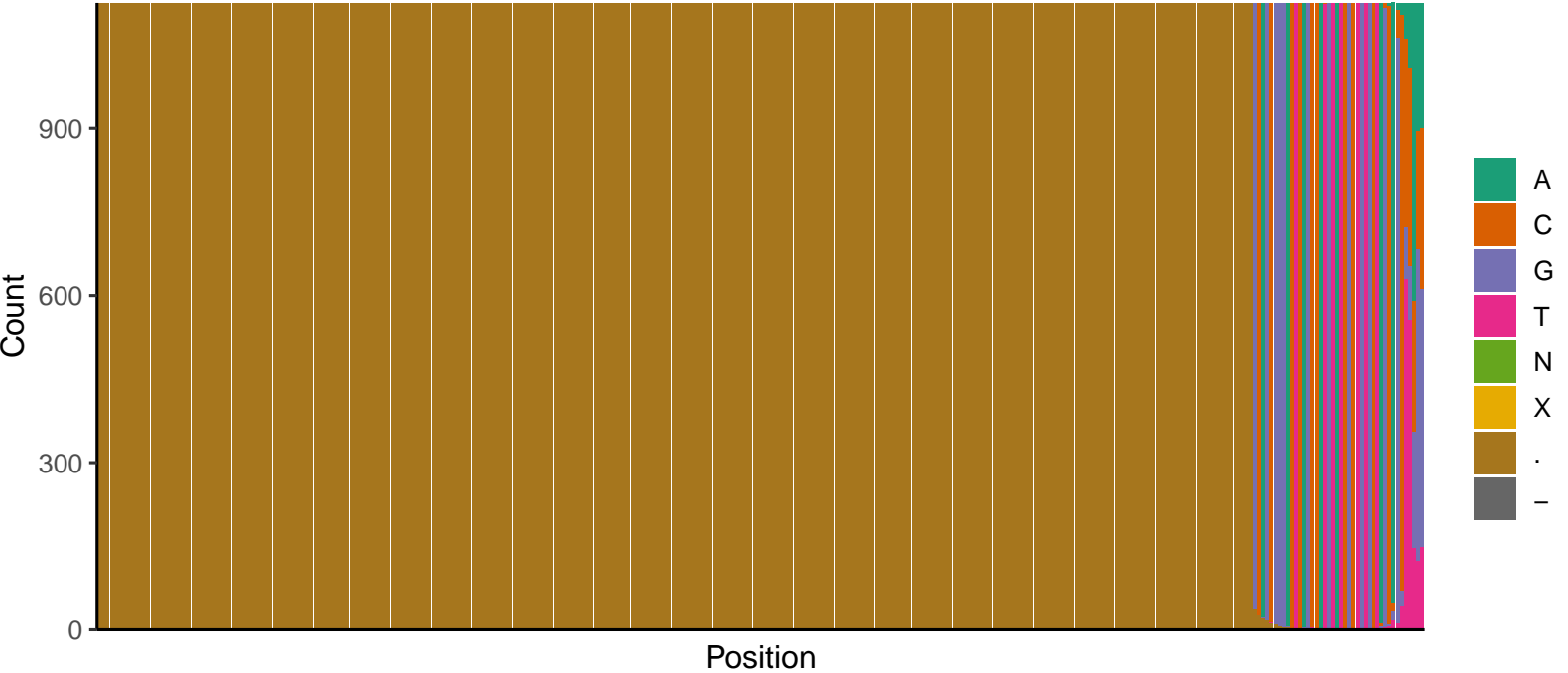
Gene TRBV7-1*ap01_T296C_C314T



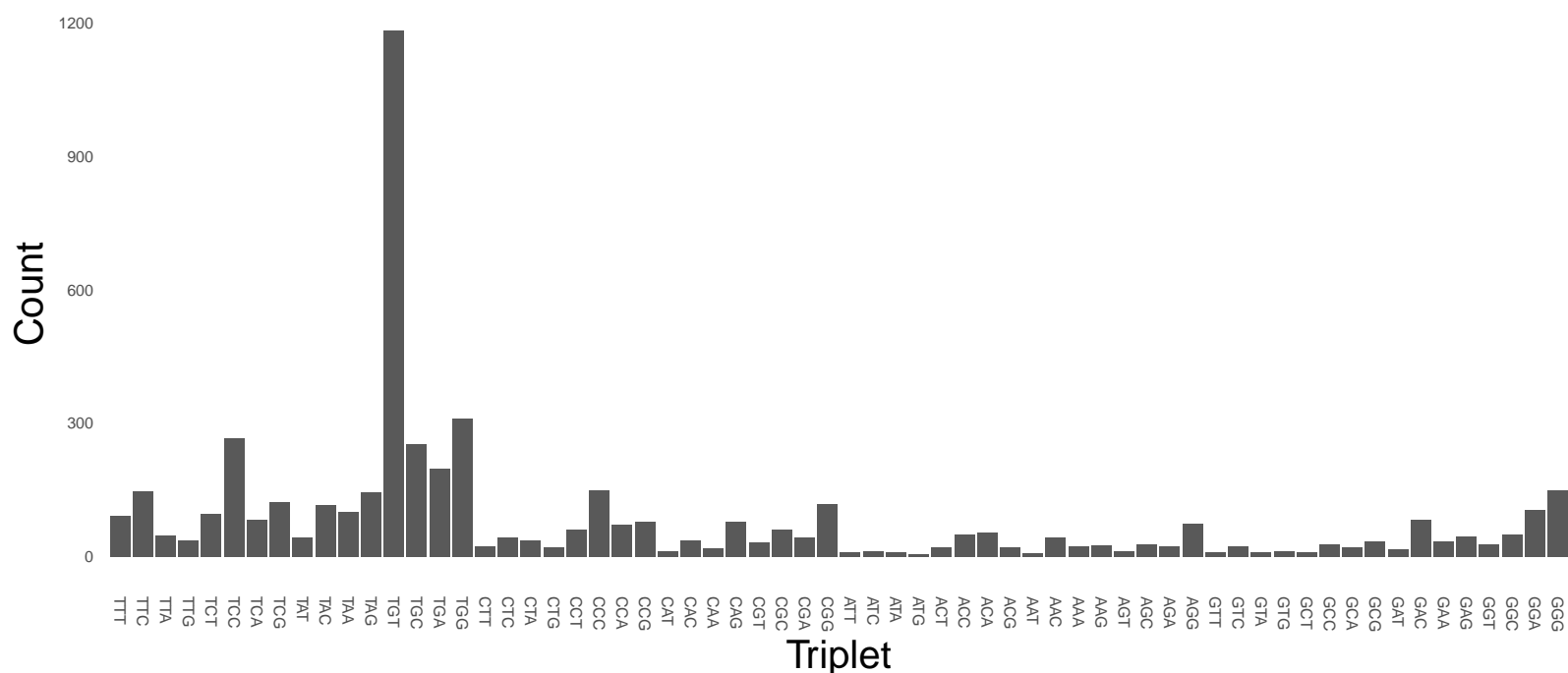
Gene TRBV30*ap01_G298A



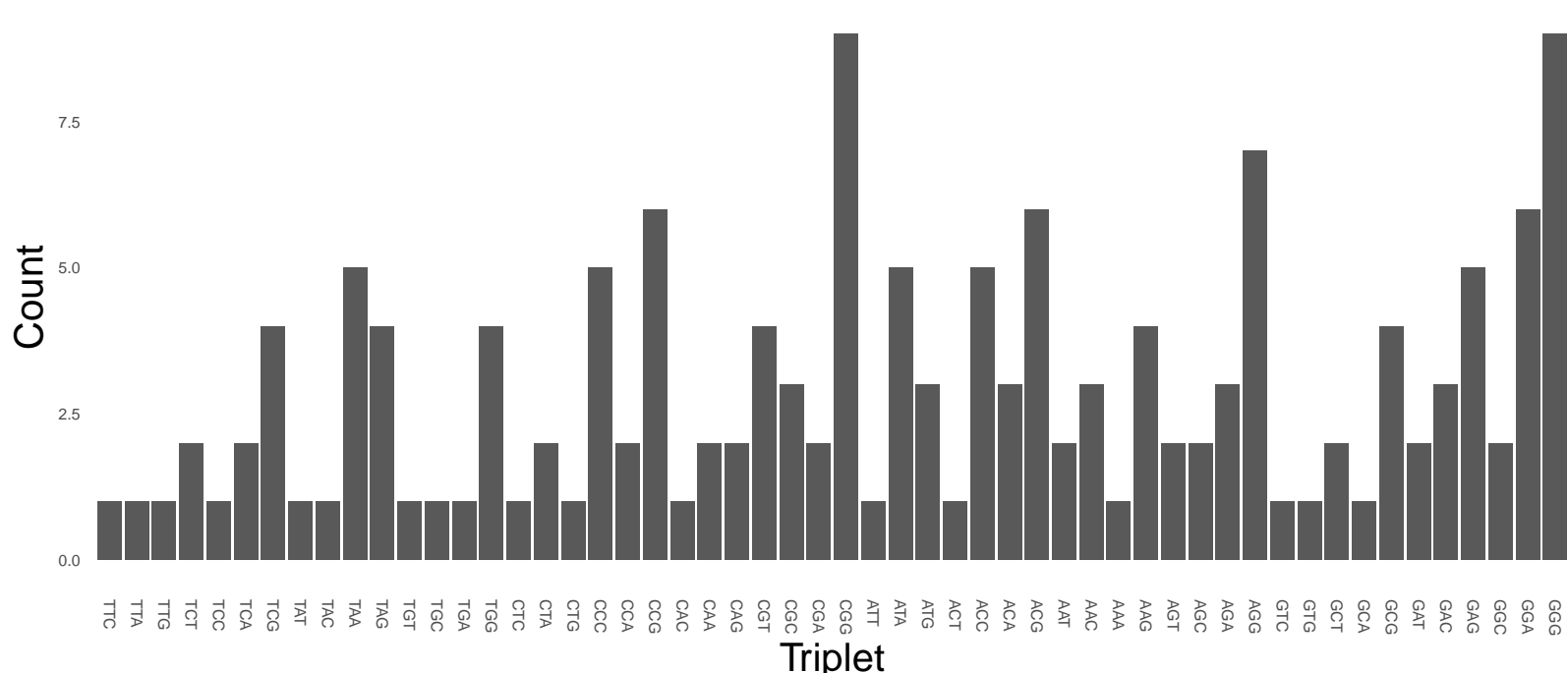
Gene TRBV7-7*ap01_C315T



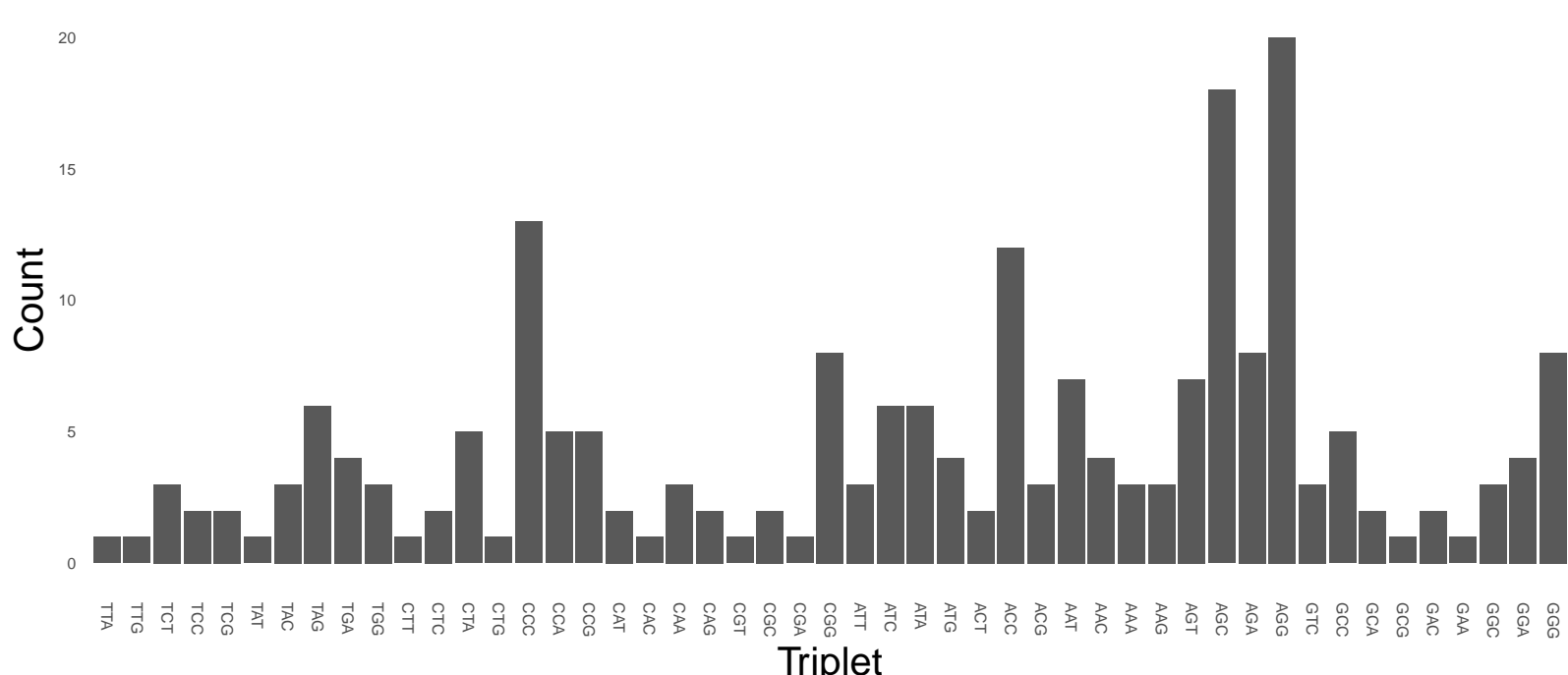
TRBV30*ap01_G298A– Final 3 nucleotides as a triplet



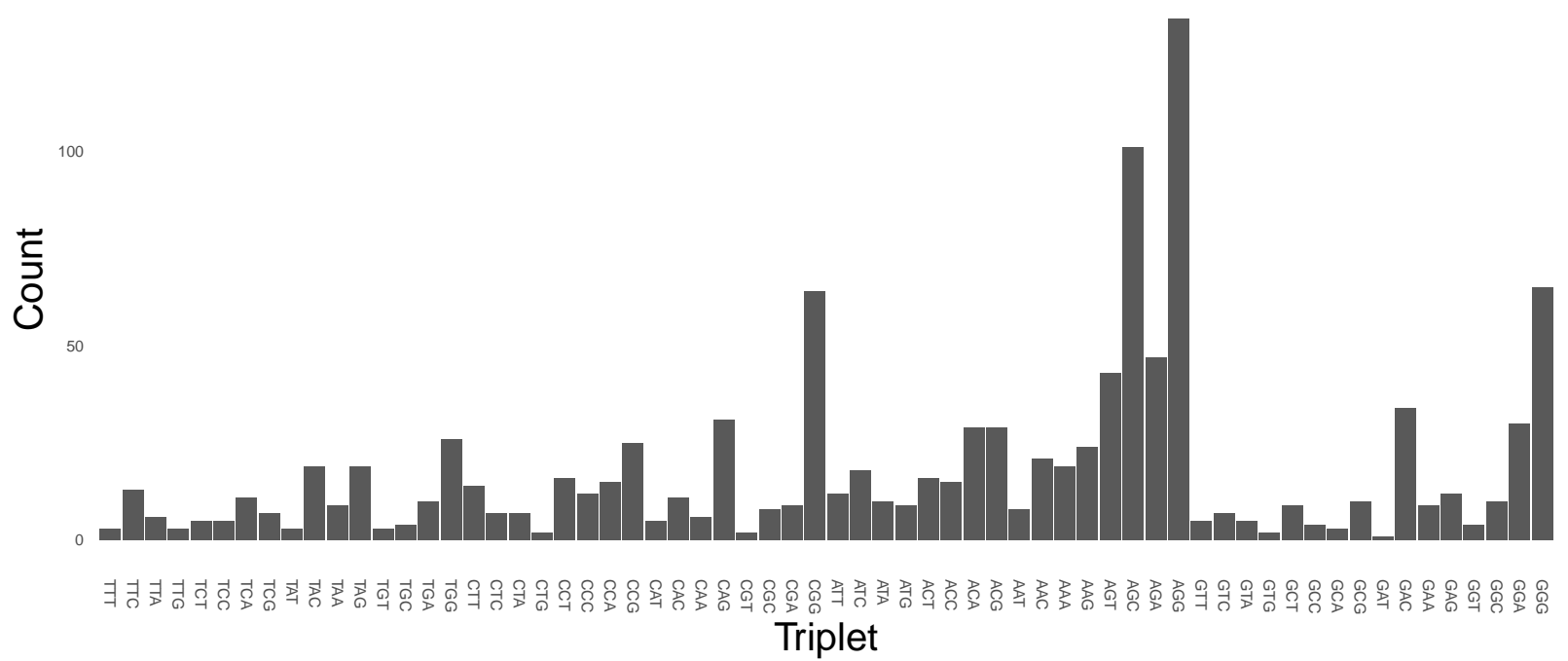
TRBV7-1*ap01_T296C– Final 3 nucleotides as a triplet



TRBV7-1*ap01_T296C_C314T– Final 3 nucleotides as a triplet

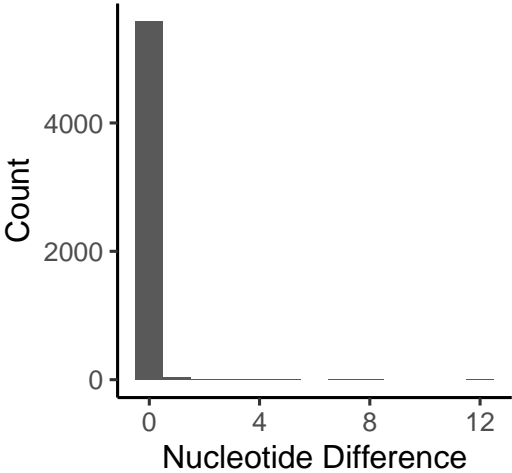


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



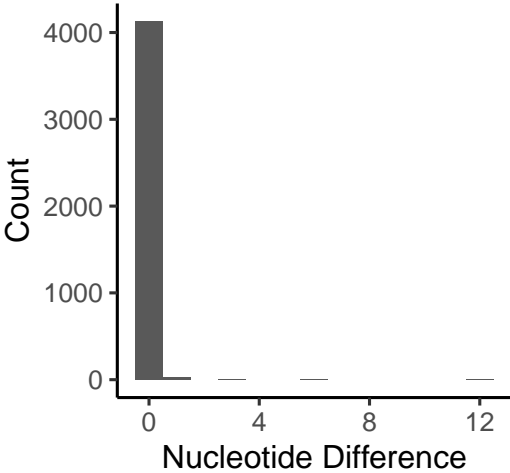
TRBV10-1*ap01

5640 sequences assigned
5582 (99%) exact matches, in which:
5473 unique CDR3
13 unique J



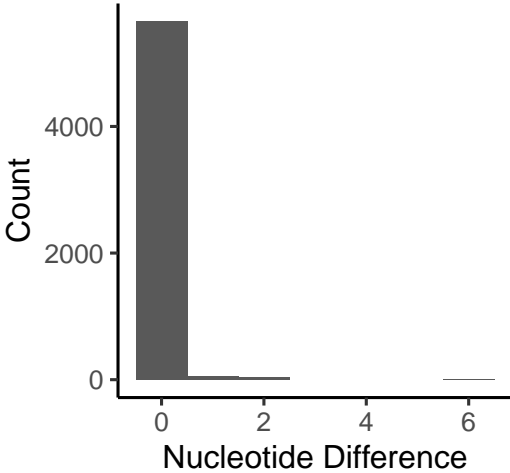
TRBV10-2*ap01

4165 sequences assigned
4128 (99.1%) exact matches, in which:
4074 unique CDR3
14 unique J



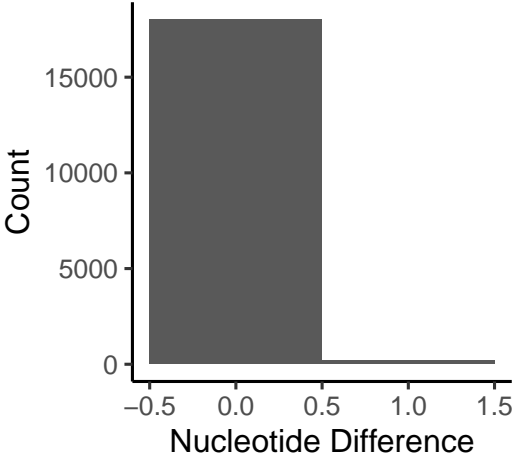
TRBV13*ap01

5752 sequences assigned
5659 (98.4%) exact matches, in which:
5506 unique CDR3
13 unique J



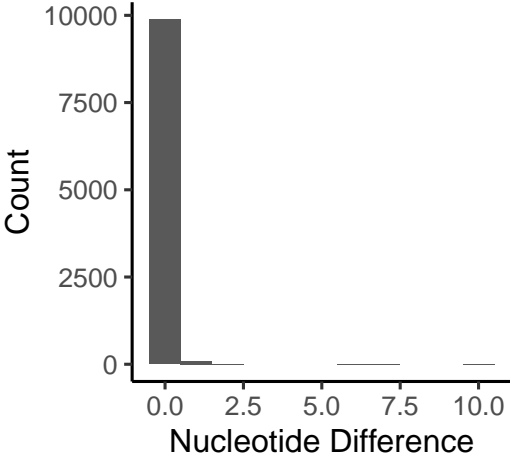
TRBV20-1*ap01

18212 sequences assigned
18016 (98.9%) exact matches, in which:
17817 unique CDR3
13 unique J



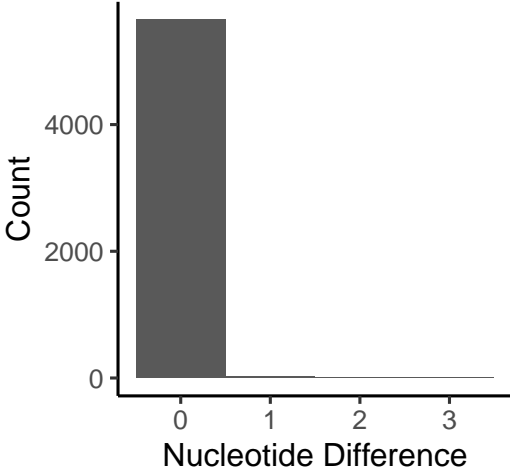
TRBV10-3*ap01

9983 sequences assigned
9882 (99%) exact matches, in which:
9745 unique CDR3
13 unique J



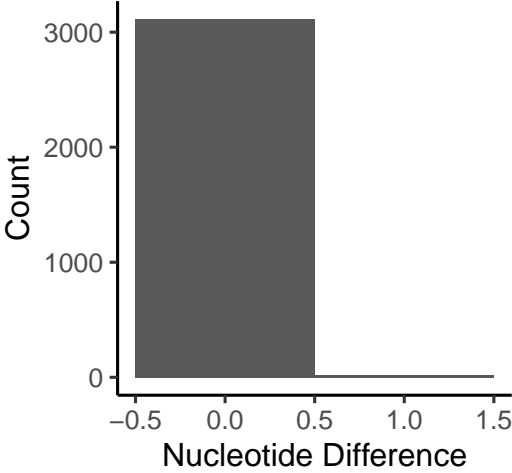
TRBV14*ap01

5686 sequences assigned
5655 (99.5%) exact matches, in which:
5609 unique CDR3
13 unique J



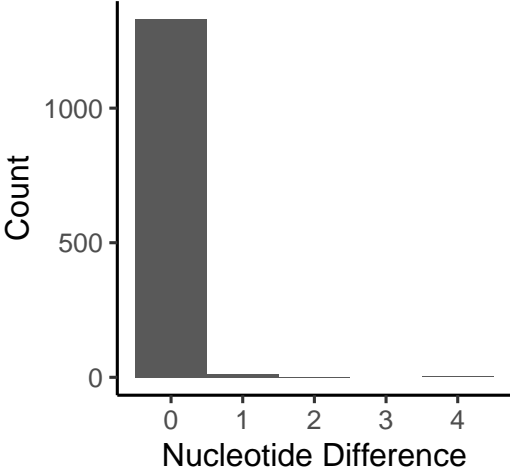
TRBV20-1*ap02

3132 sequences assigned
3114 (99.4%) exact matches, in which:
3079 unique CDR3
13 unique J



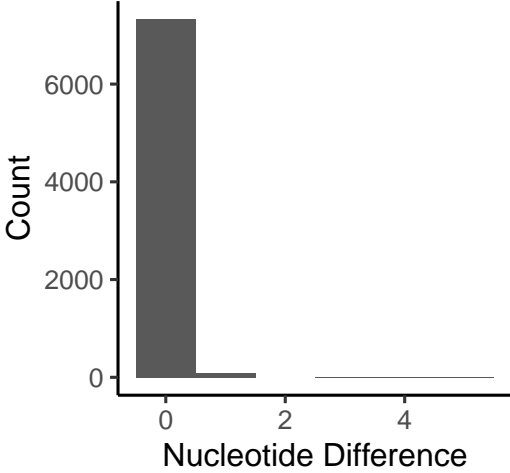
TRBV1*ap01

1347 sequences assigned
1331 (98.8%) exact matches, in which:
1294 unique CDR3
13 unique J



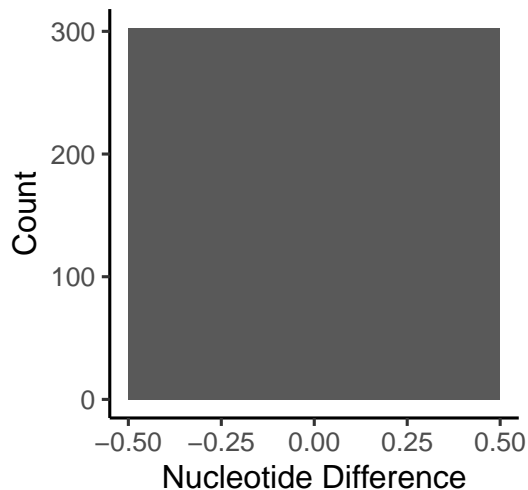
TRBV15*ap02

7422 sequences assigned
7331 (98.8%) exact matches, in which:
7219 unique CDR3
13 unique J



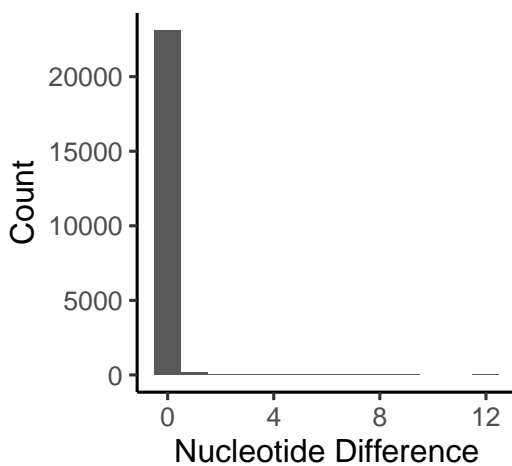
TRBV16*ap01

303 sequences assigned
303 (100%) exact matches, in which:
302 unique CDR3
13 unique J



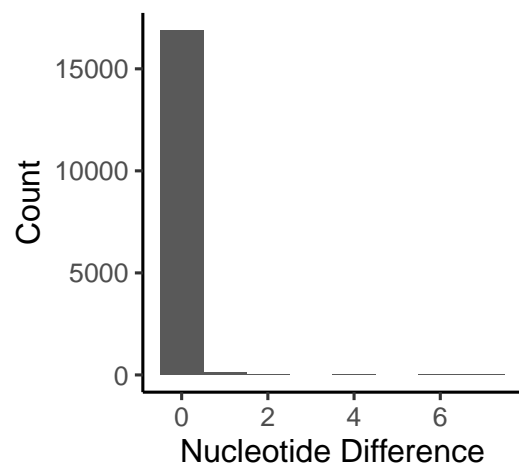
TRBV19*ap01

23300 sequences assigned
23118 (99.2%) exact matches, in which:
23013 unique CDR3
13 unique J



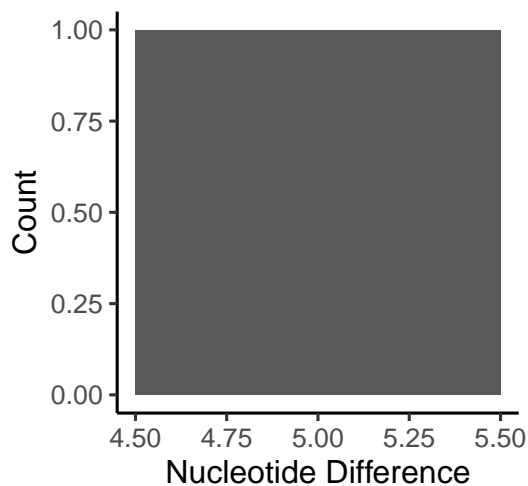
TRBV28*ap01

17037 sequences assigned
16895 (99.2%) exact matches, in which:
16706 unique CDR3
13 unique J



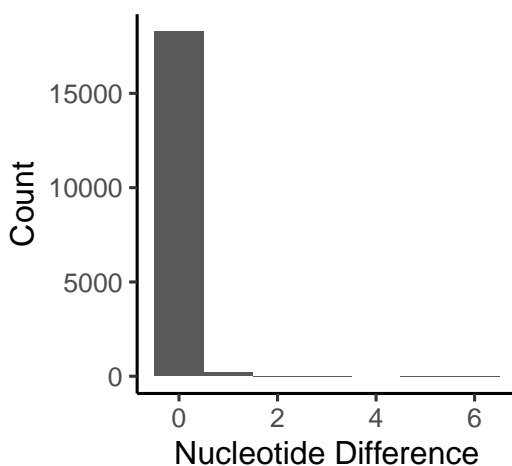
TRBV17*ap01

1 sequences assigned
No exact matches.



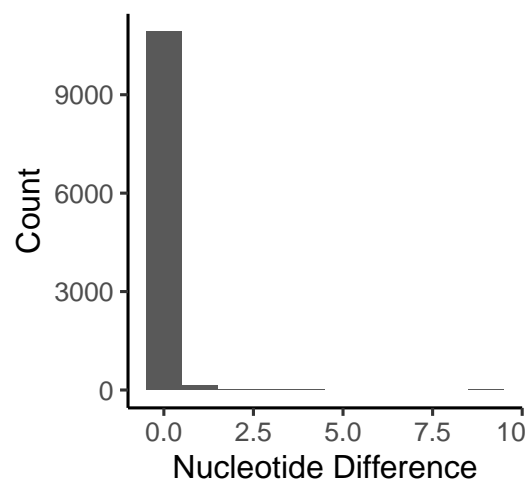
TRBV2*ap01

18498 sequences assigned
18282 (98.8%) exact matches, in which:
17880 unique CDR3
13 unique J



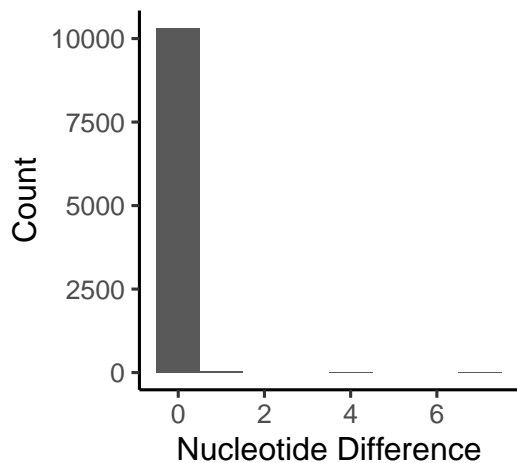
TRBV30*ap01

11069 sequences assigned
10920 (98.7%) exact matches, in which:
10704 unique CDR3
13 unique J



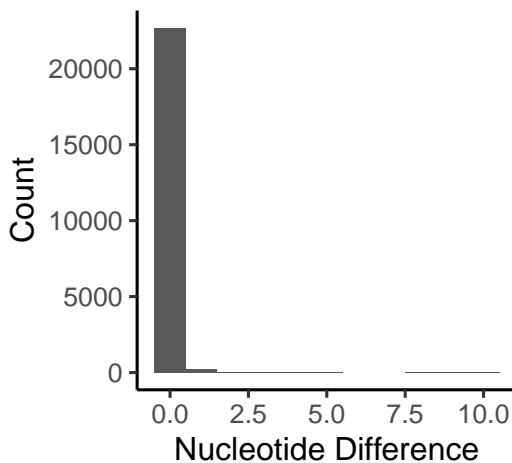
TRBV18*ap01

10369 sequences assigned
10323 (99.6%) exact matches, in which:
10269 unique CDR3
13 unique J



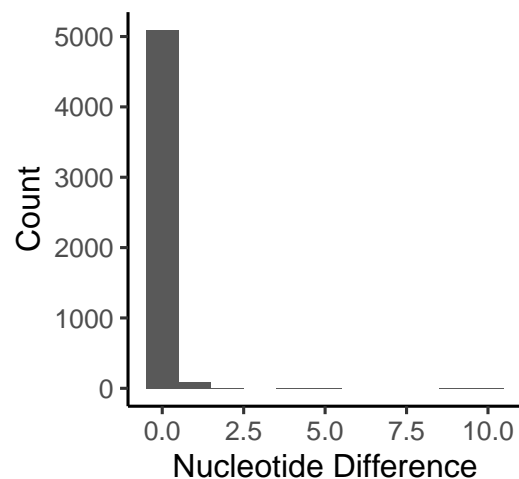
TRBV27*ap01

22973 sequences assigned
22695 (98.8%) exact matches, in which:
22245 unique CDR3
13 unique J



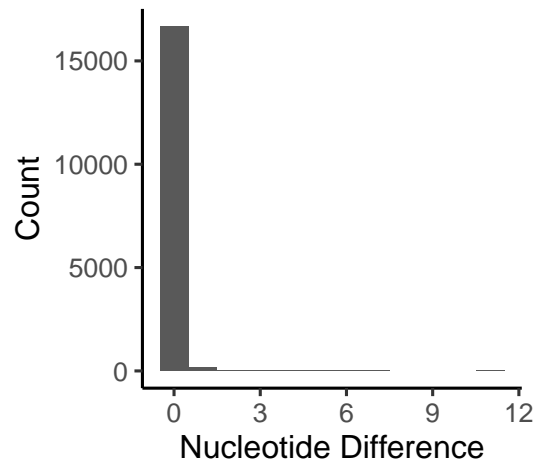
TRBV30*ap01_G298A

5198 sequences assigned
5092 (98%) exact matches, in which:
5008 unique CDR3
13 unique J



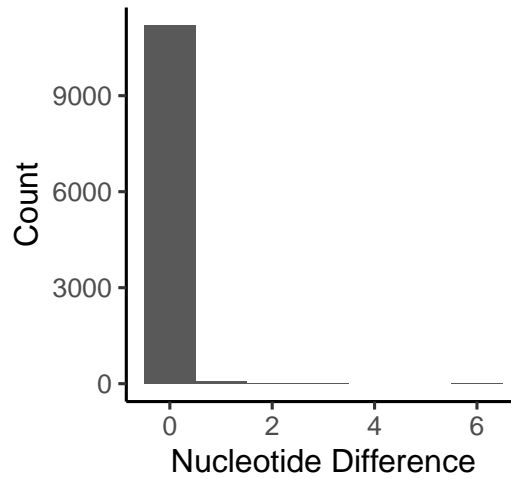
TRBV9*ap01

16846 sequences assigned
16681 (99%) exact matches, in which:
16477 unique CDR3
13 unique J



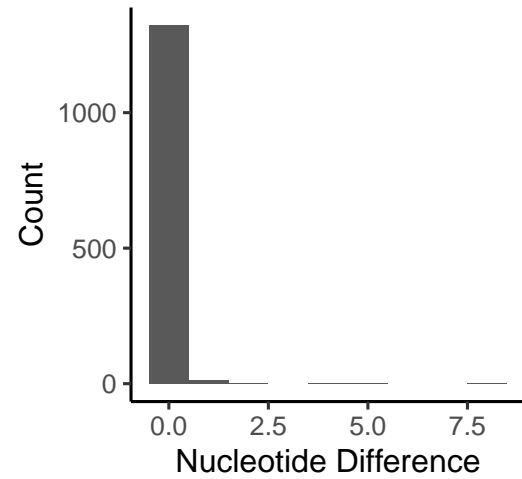
TRBV11-2*ap01

11274 sequences assigned
11196 (99.3%) exact matches, in which:
11106 unique CDR3
13 unique J



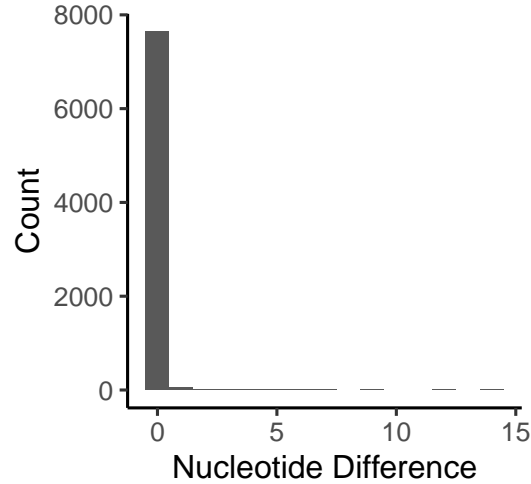
TRBV12-2*ap01

1341 sequences assigned
1322 (98.6%) exact matches, in which:
1312 unique CDR3
13 unique J



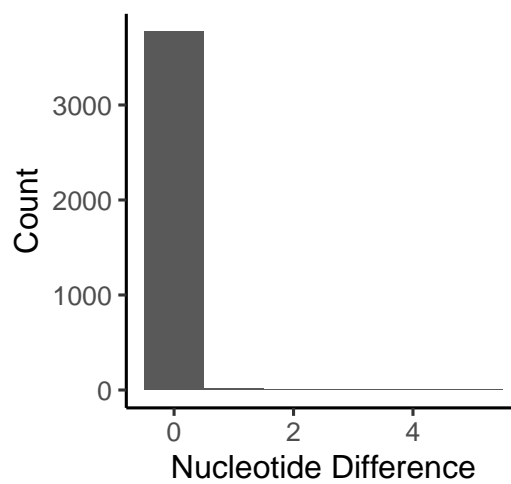
TRBV21-1*ap01

7730 sequences assigned
7640 (98.8%) exact matches, in which:
7600 unique CDR3
13 unique J



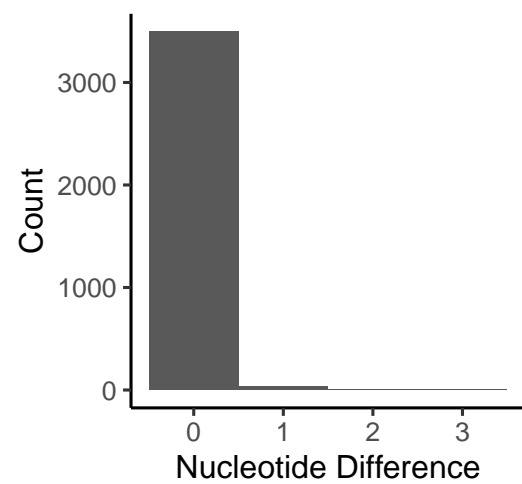
TRBV11-3*ap01

3795 sequences assigned
3771 (99.4%) exact matches, in which:
3748 unique CDR3
13 unique J



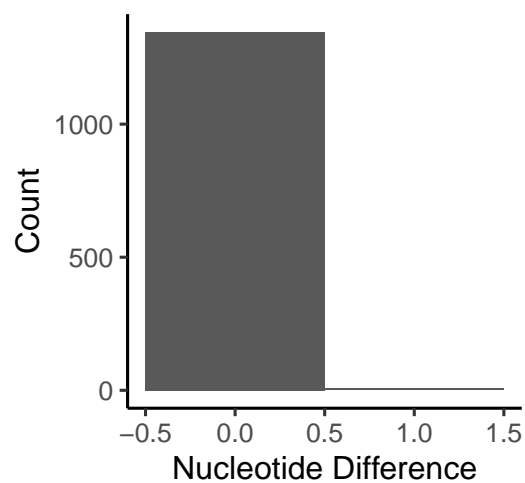
TRBV12-5*ap01

3533 sequences assigned
3495 (98.9%) exact matches, in which:
3439 unique CDR3
13 unique J



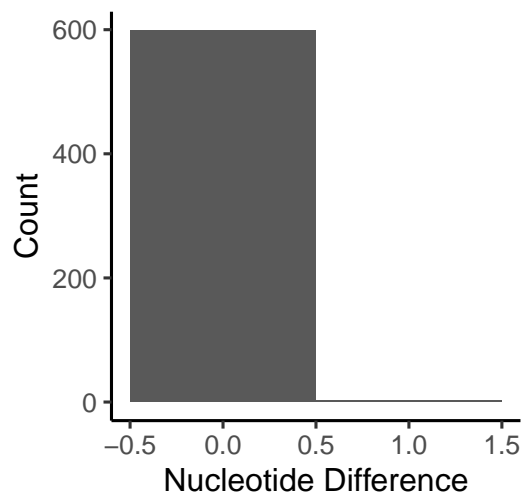
TRBV11-1*ap01

1353 sequences assigned
1346 (99.5%) exact matches, in which:
1337 unique CDR3
13 unique J



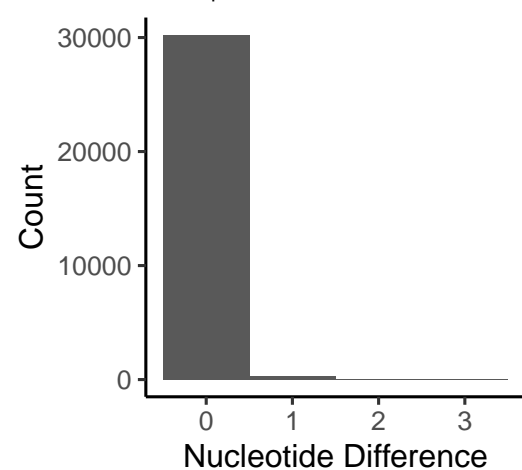
TRBV12-1*ap01

601 sequences assigned
599 (99.7%) exact matches, in which:
592 unique CDR3
13 unique J



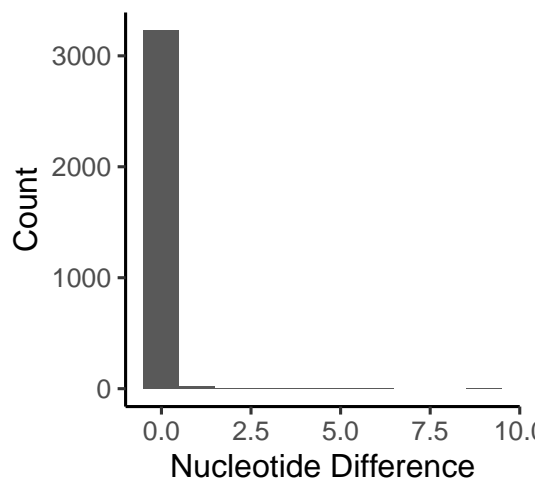
TRBV12-34*ap01

30541 sequences assigned
30241 (99%) exact matches, in which:
29778 unique CDR3
13 unique J



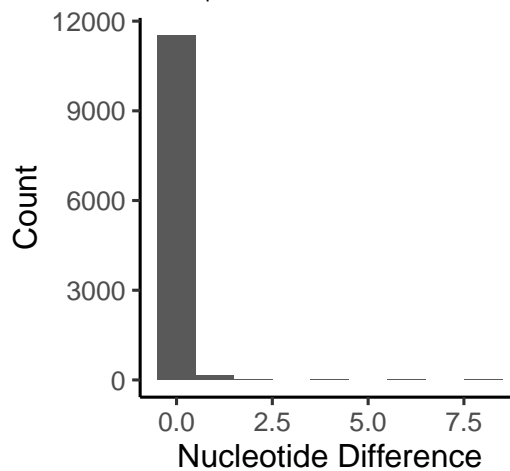
TRBV23-1*ap01

3257 sequences assigned
3229 (99.1%) exact matches, in which:
3195 unique CDR3
13 unique J



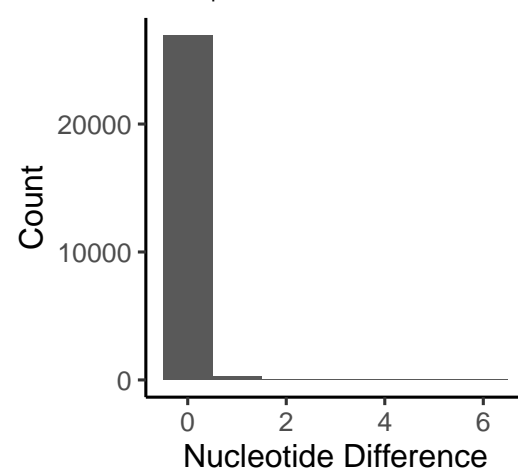
TRBV4-1*ap01

11674 sequences assigned
11531 (98.8%) exact matches, in which:
11250 unique CDR3
13 unique J



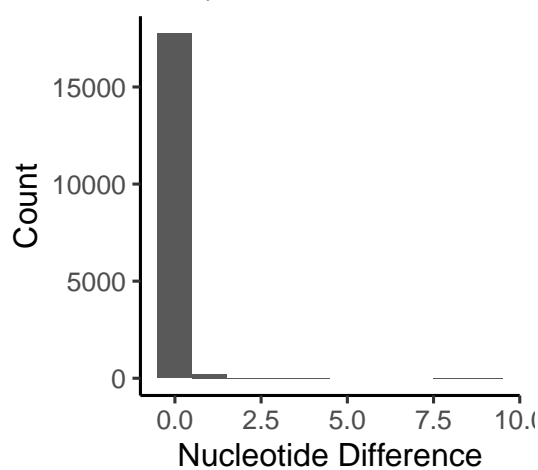
TRBV5-1*ap01

27253 sequences assigned
26948 (98.9%) exact matches, in which:
26283 unique CDR3
13 unique J



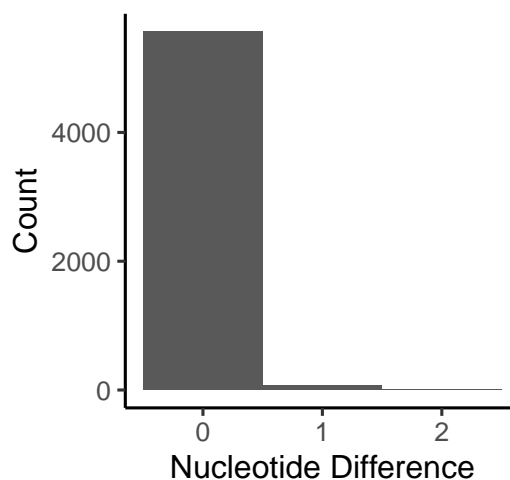
TRBV3-12*ap01

17987 sequences assigned
17755 (98.7%) exact matches, in which:
17407 unique CDR3
13 unique J



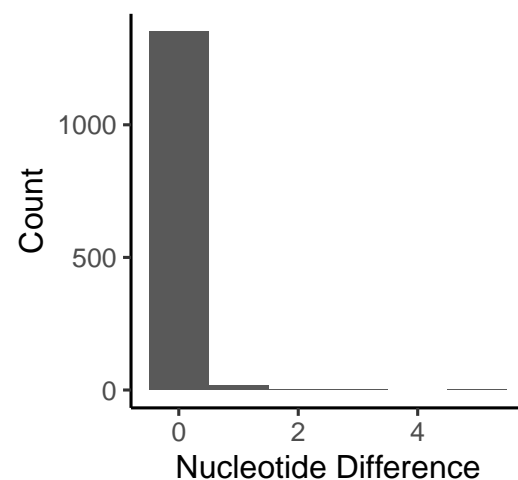
TRBV4-2*ap01

5629 sequences assigned
5564 (98.8%) exact matches, in which:
5467 unique CDR3
13 unique J



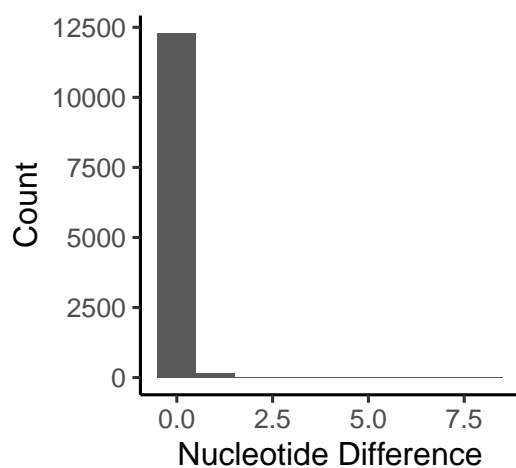
TRBV5-3*ap01

1373 sequences assigned
1351 (98.4%) exact matches, in which:
1336 unique CDR3
13 unique J



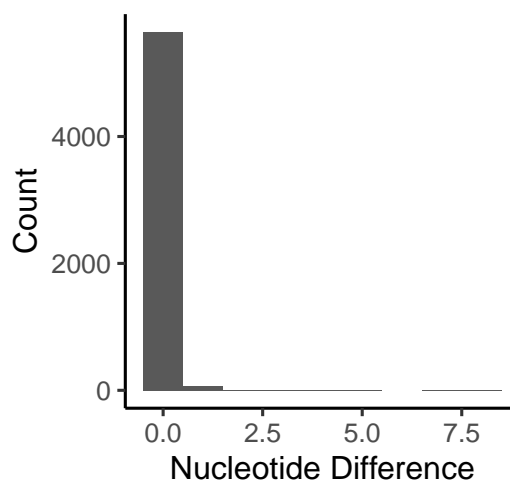
TRBV24-1*ap01

12482 sequences assigned
12304 (98.6%) exact matches, in which:
12072 unique CDR3
13 unique J



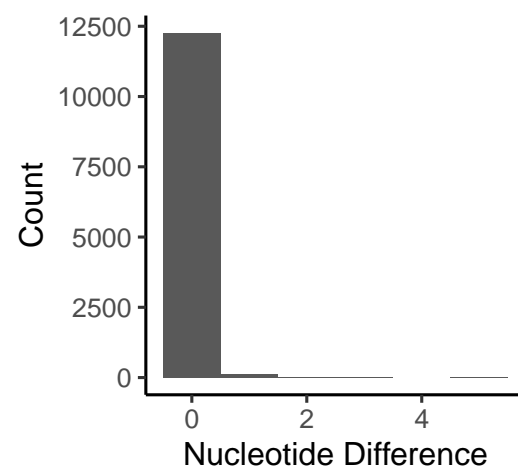
TRBV25-1*ap01

5731 sequences assigned
5646 (98.5%) exact matches, in which:
5498 unique CDR3
13 unique J



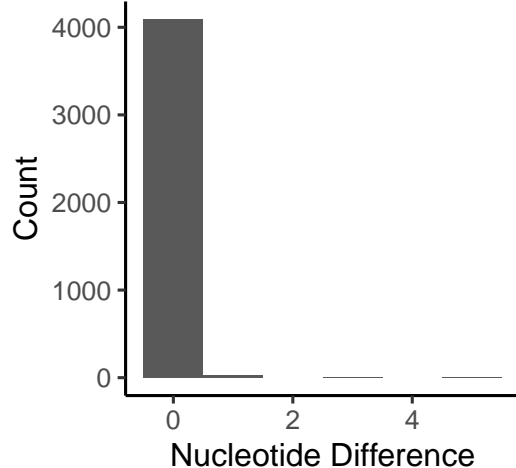
TRBV5-4*ap01

12393 sequences assigned
12268 (99%) exact matches, in which:
12018 unique CDR3
13 unique J



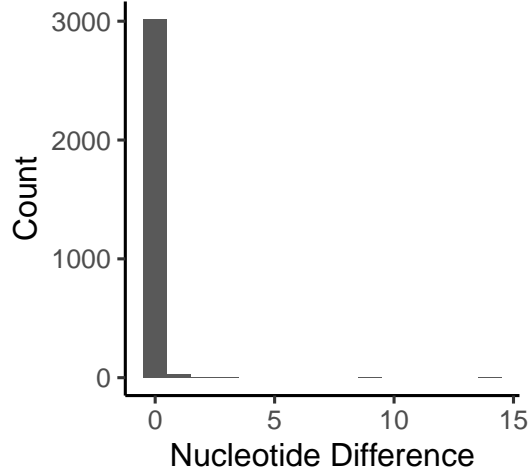
TRBV5-5*ap01

4123 sequences assigned
4090 (99.2%) exact matches, in which:
4070 unique CDR3
13 unique J



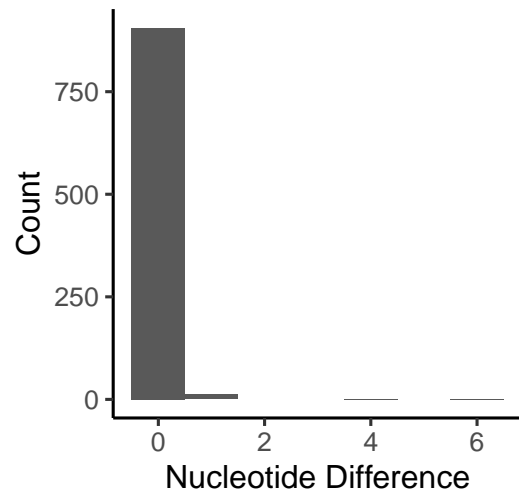
TRBV5-8*ap01

3048 sequences assigned
3015 (98.9%) exact matches, in which:
2977 unique CDR3
13 unique J



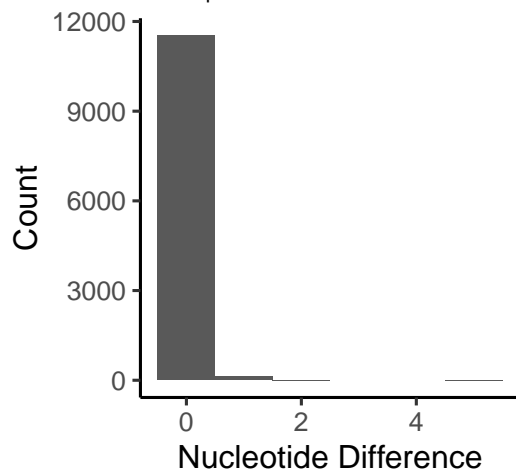
TRBV6-7*ap01

920 sequences assigned
906 (98.5%) exact matches, in which:
884 unique CDR3
13 unique J



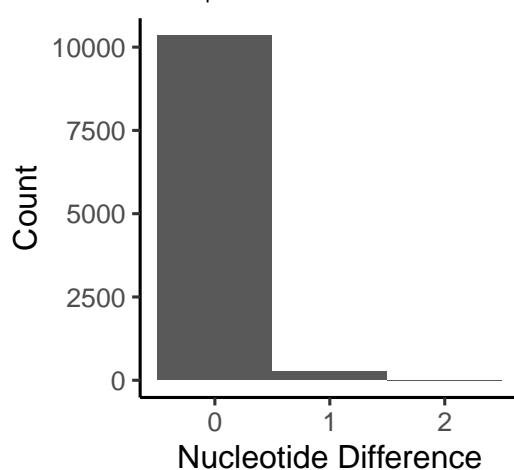
TRBV5-6*ap01

11671 sequences assigned
11532 (98.8%) exact matches, in which:
11201 unique CDR3
13 unique J



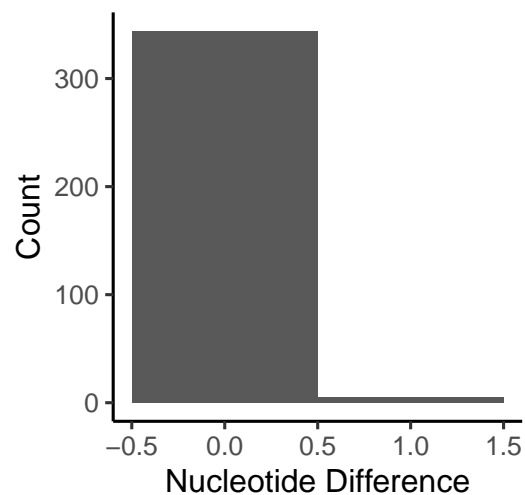
TRBV6-1*ap01

10617 sequences assigned
10350 (97.5%) exact matches, in which:
10128 unique CDR3
13 unique J



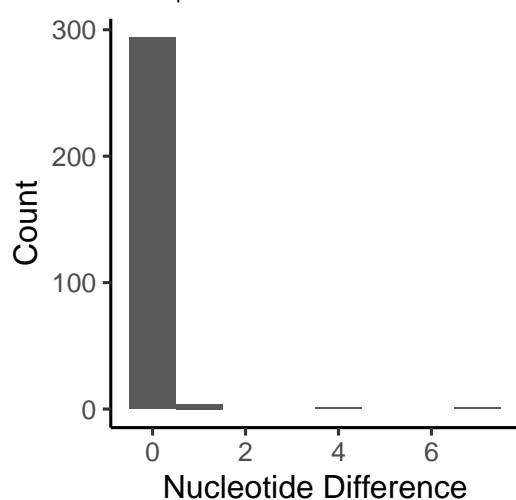
TRBV6-8*ap01

349 sequences assigned
344 (98.6%) exact matches, in which:
341 unique CDR3
13 unique J



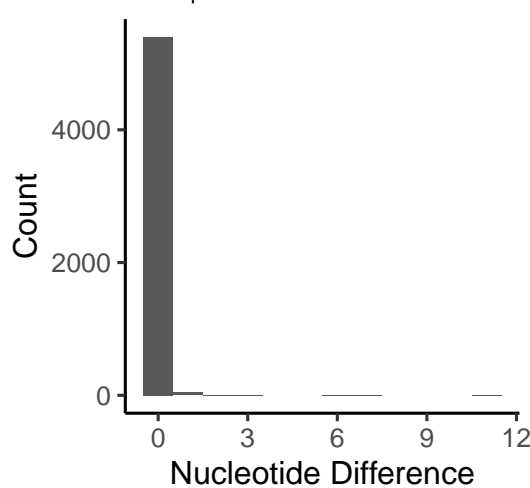
TRBV5-7*ap01

300 sequences assigned
294 (98%) exact matches, in which:
283 unique CDR3
13 unique J



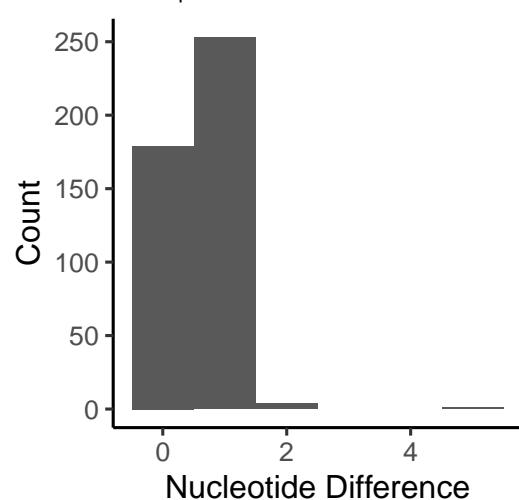
TRBV6-4*ap01

5455 sequences assigned
5397 (98.9%) exact matches, in which:
5337 unique CDR3
13 unique J



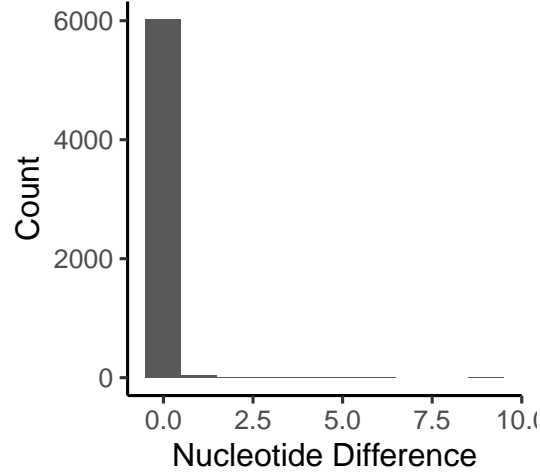
TRBV6-9*ap01

437 sequences assigned
179 (41%) exact matches, in which:
177 unique CDR3
13 unique J



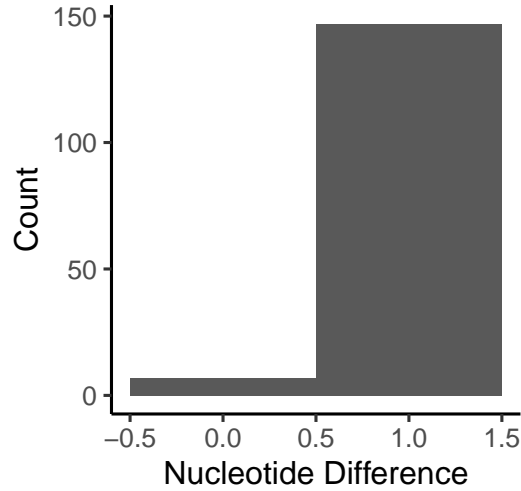
TRBV6-23*ap01

6076 sequences assigned
6022 (99.1%) exact matches, in which:
5855 unique CDR3
13 unique J



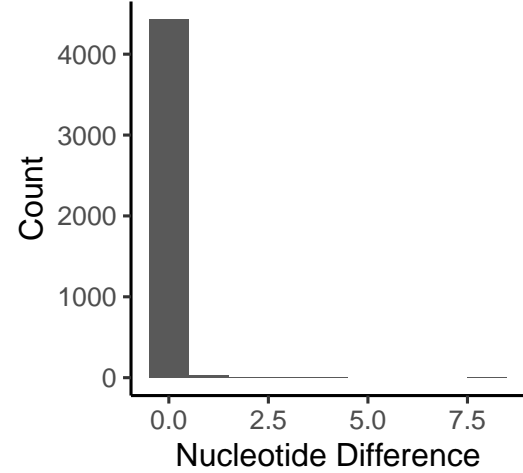
TRBV7-1*ap01_T296C

154 sequences assigned
7 (4.5%) exact matches, in which:
7 unique CDR3
5 unique J



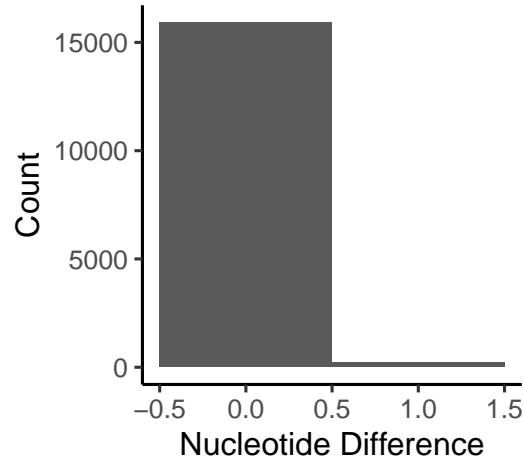
TRBV7-3*ap01

4473 sequences assigned
4430 (99%) exact matches, in which:
4400 unique CDR3
13 unique J



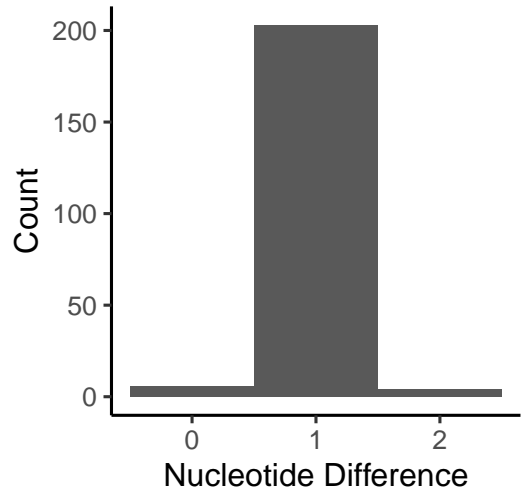
TRBV6-56*ap01

16128 sequences assigned
15920 (98.7%) exact matches, in which:
15549 unique CDR3
13 unique J



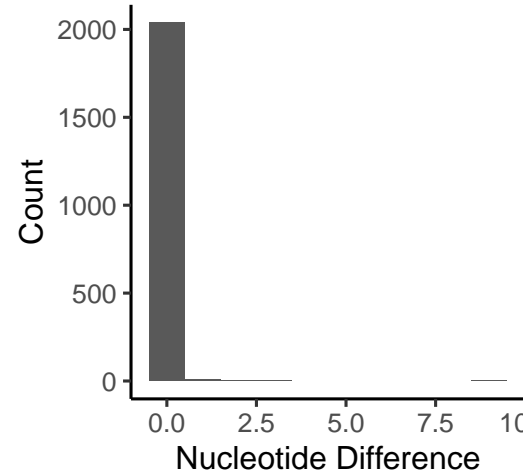
TRBV7-1*ap01_T296C_()

213 sequences assigned
6 (2.8%) exact matches, in which:
6 unique CDR3
4 unique J



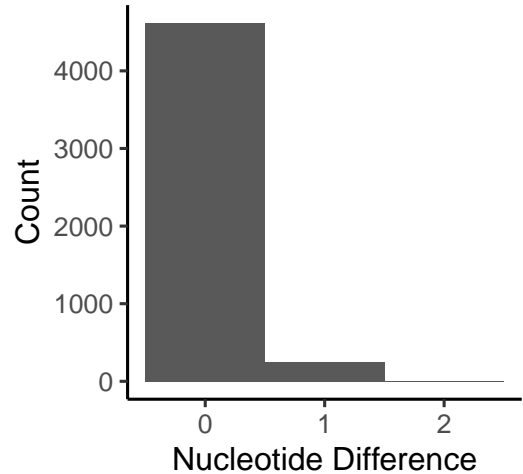
TRBV7-3*ap03

2055 sequences assigned
2038 (99.2%) exact matches, in which:
2013 unique CDR3
13 unique J



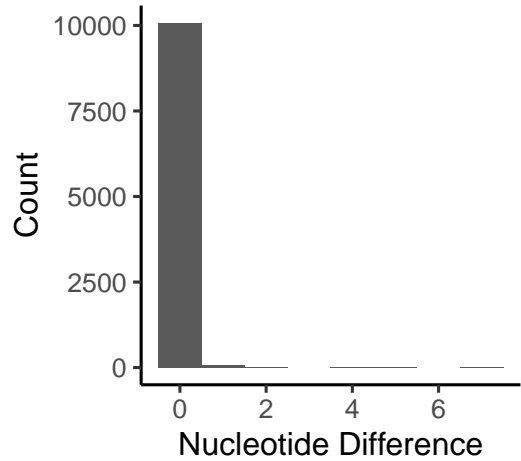
TRBV6-56*ap02

4863 sequences assigned
4616 (94.9%) exact matches, in which:
4490 unique CDR3
13 unique J



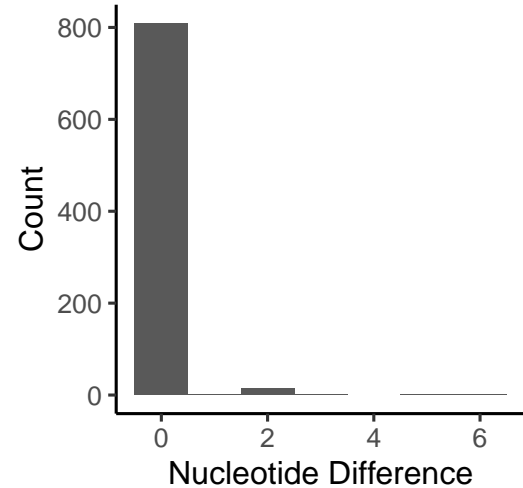
TRBV7-2*ap01

10153 sequences assigned
10078 (99.3%) exact matches, in which:
9955 unique CDR3
13 unique J



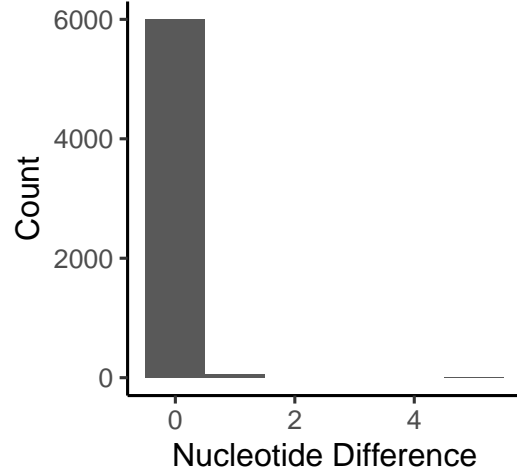
TRBV7-4*ap01

829 sequences assigned
809 (97.6%) exact matches, in which:
800 unique CDR3
13 unique J



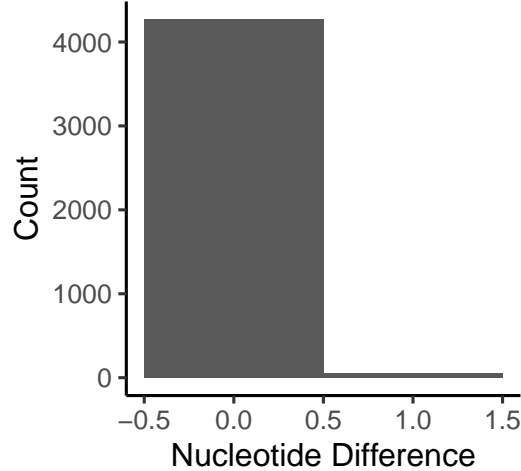
TRBV7-6*ap01

6056 sequences assigned
5999 (99.1%) exact matches, in which:
5903 unique CDR3
13 unique J



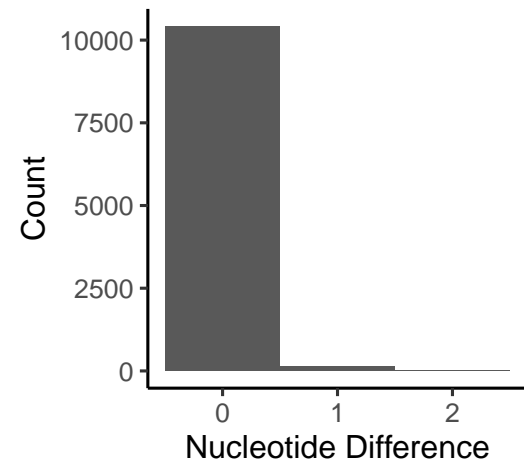
TRBV7-8*ap01

4324 sequences assigned
4269 (98.7%) exact matches, in which:
4183 unique CDR3
13 unique J



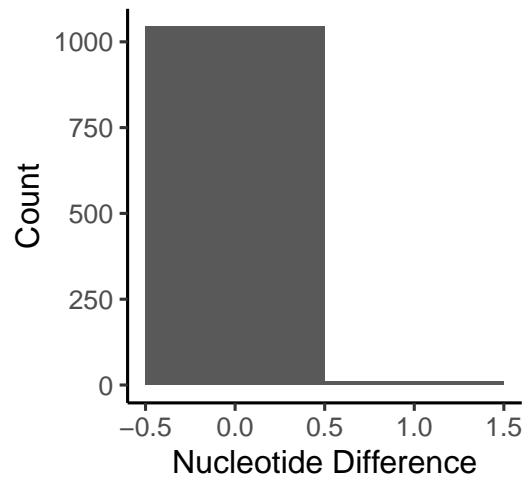
TRBV29-1*ap01

10568 sequences assigned
10422 (98.6%) exact matches, in which:
10135 unique CDR3
13 unique J



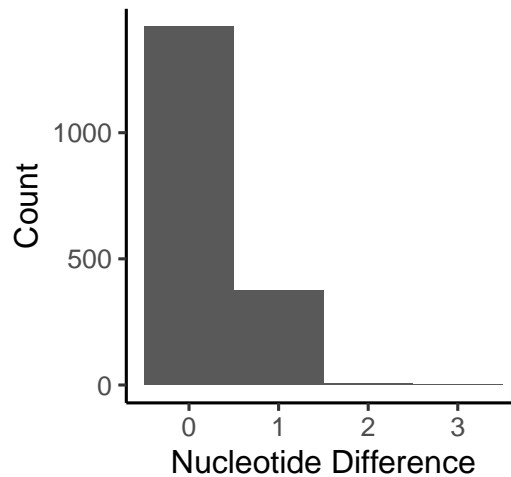
TRBV7-7*ap01

1055 sequences assigned
1044 (99%) exact matches, in which:
1025 unique CDR3
13 unique J



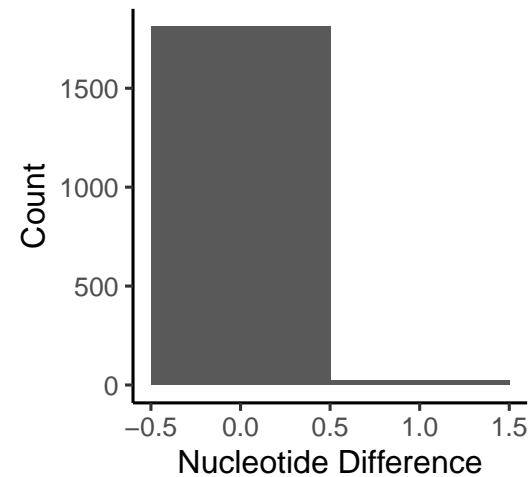
TRBV7-8*ap03

1801 sequences assigned
1420 (78.8%) exact matches, in which:
1396 unique CDR3
13 unique J



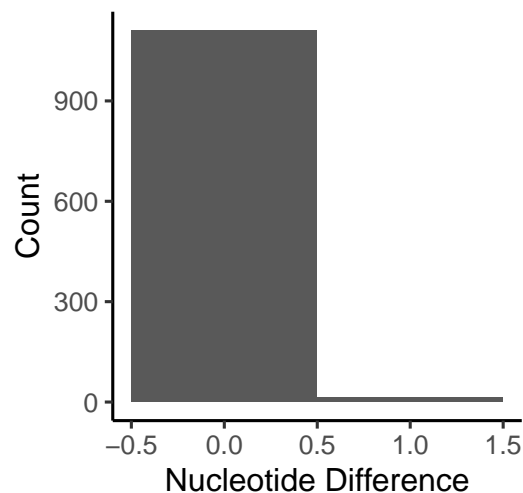
TRBV29-1*ap02

1835 sequences assigned
1811 (98.7%) exact matches, in which:
1766 unique CDR3
13 unique J



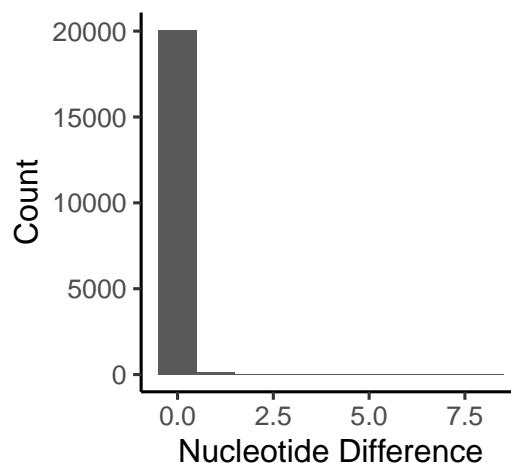
TRBV7-7*ap01_C315T

1125 sequences assigned
1111 (98.8%) exact matches, in which:
1092 unique CDR3
13 unique J

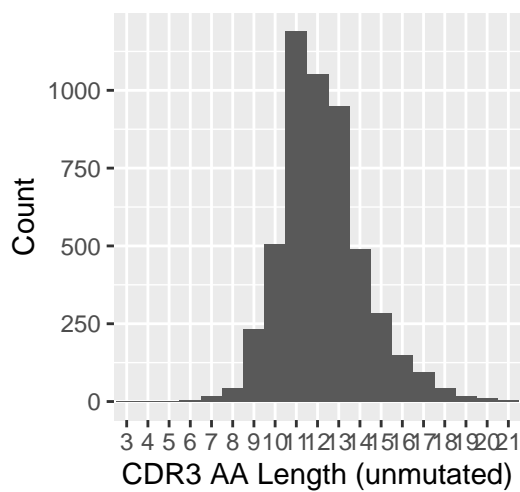


TRBV7-9*ap01

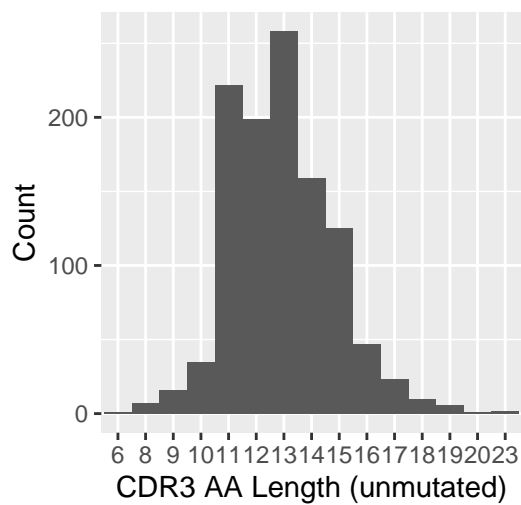
20219 sequences assigned
20076 (99.3%) exact matches, in which:
19876 unique CDR3
13 unique J



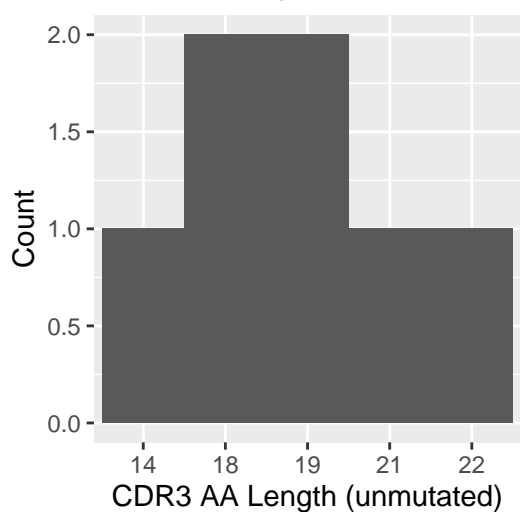
TRBV30*ap01_G298A



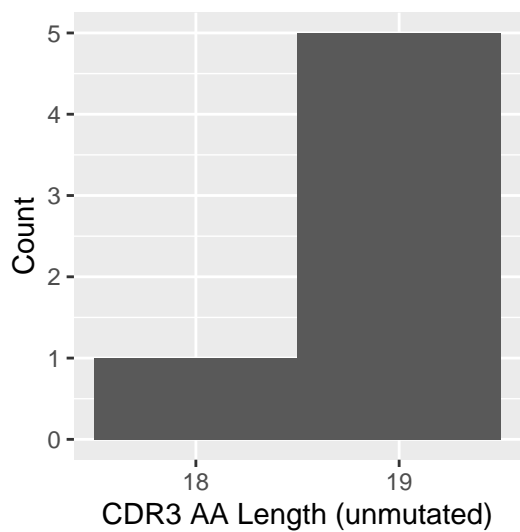
TRBV7-7*ap01_C315T



TRBV7-1*ap01_T296C



TRBV7-1*ap01_T296C_C314T





[illegible]