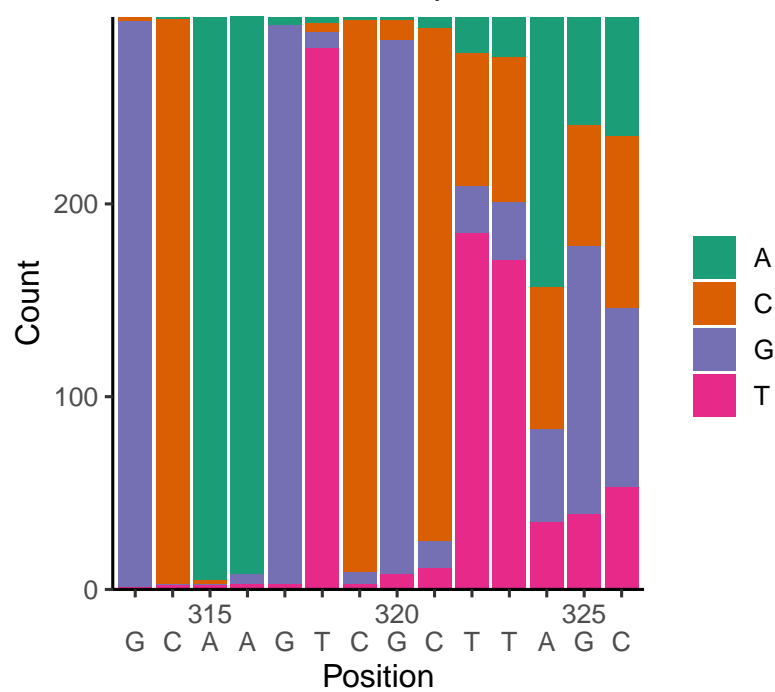
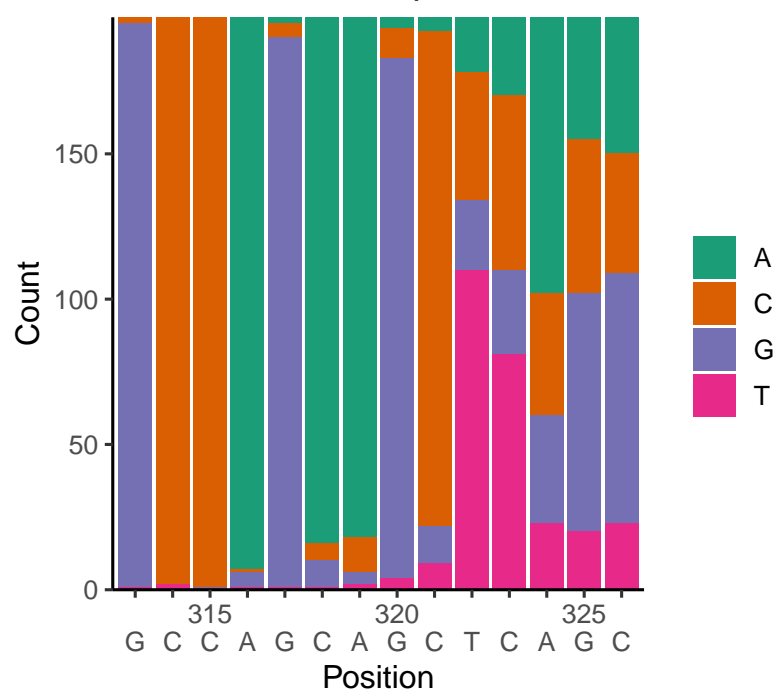


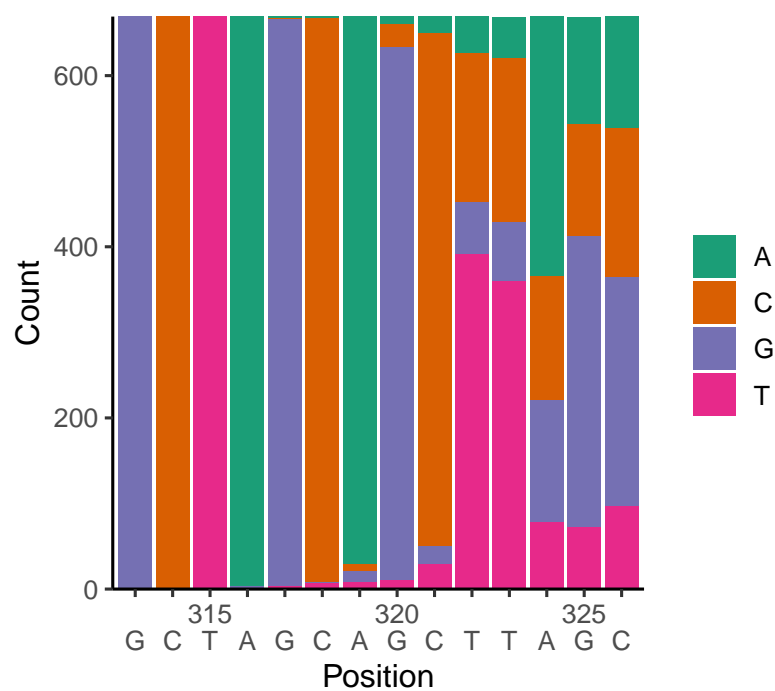
Gene TRBV12-2*ap01_G301A



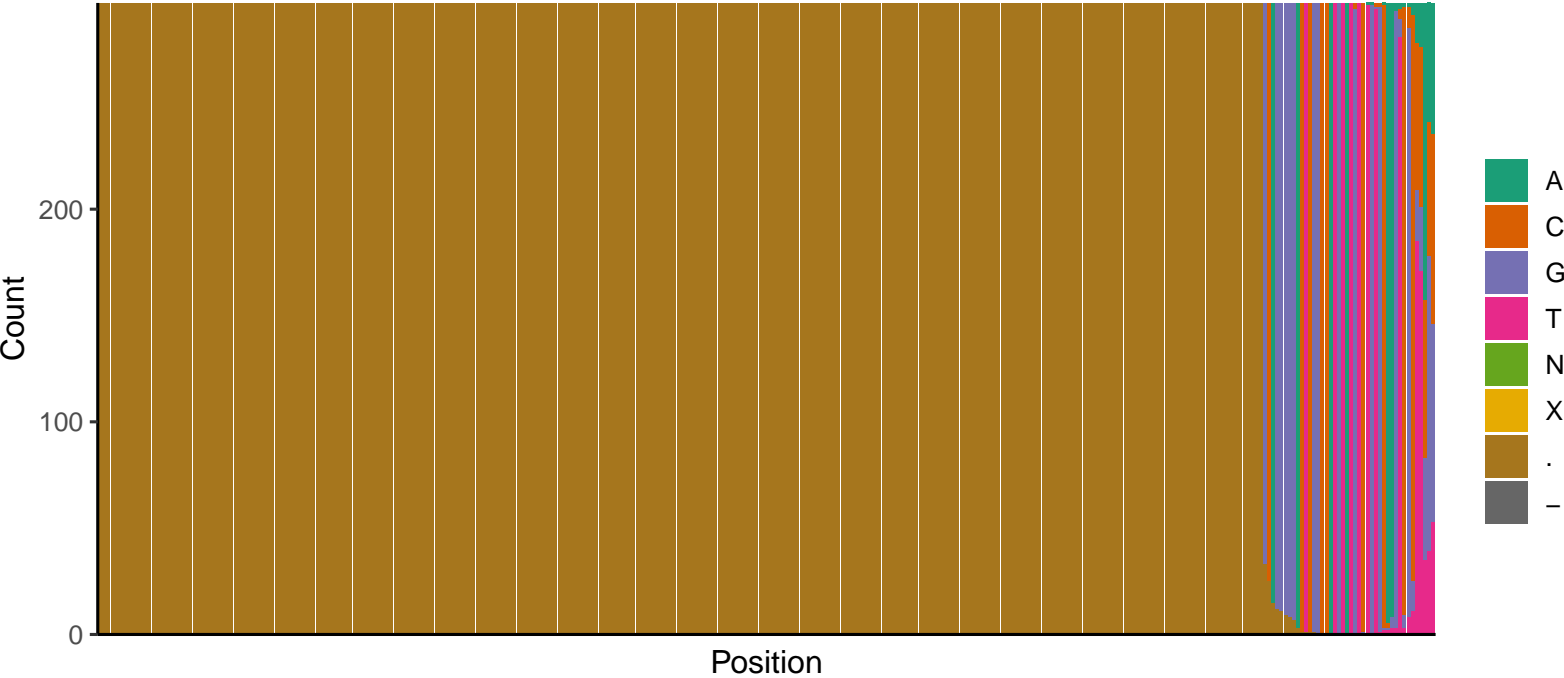
Gene TRBV7-1*ap01_G291C_T296C



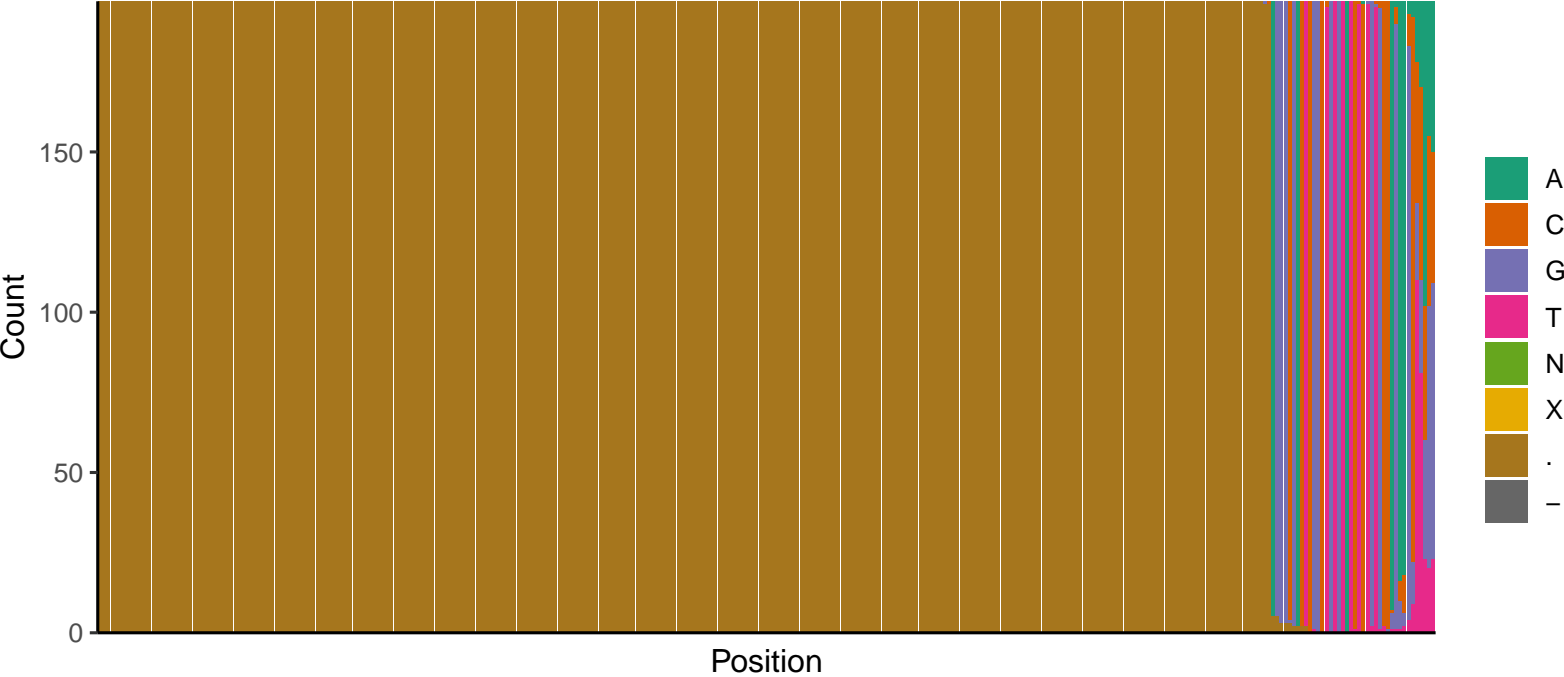
Gene TRBV7-7*ap01_C315T



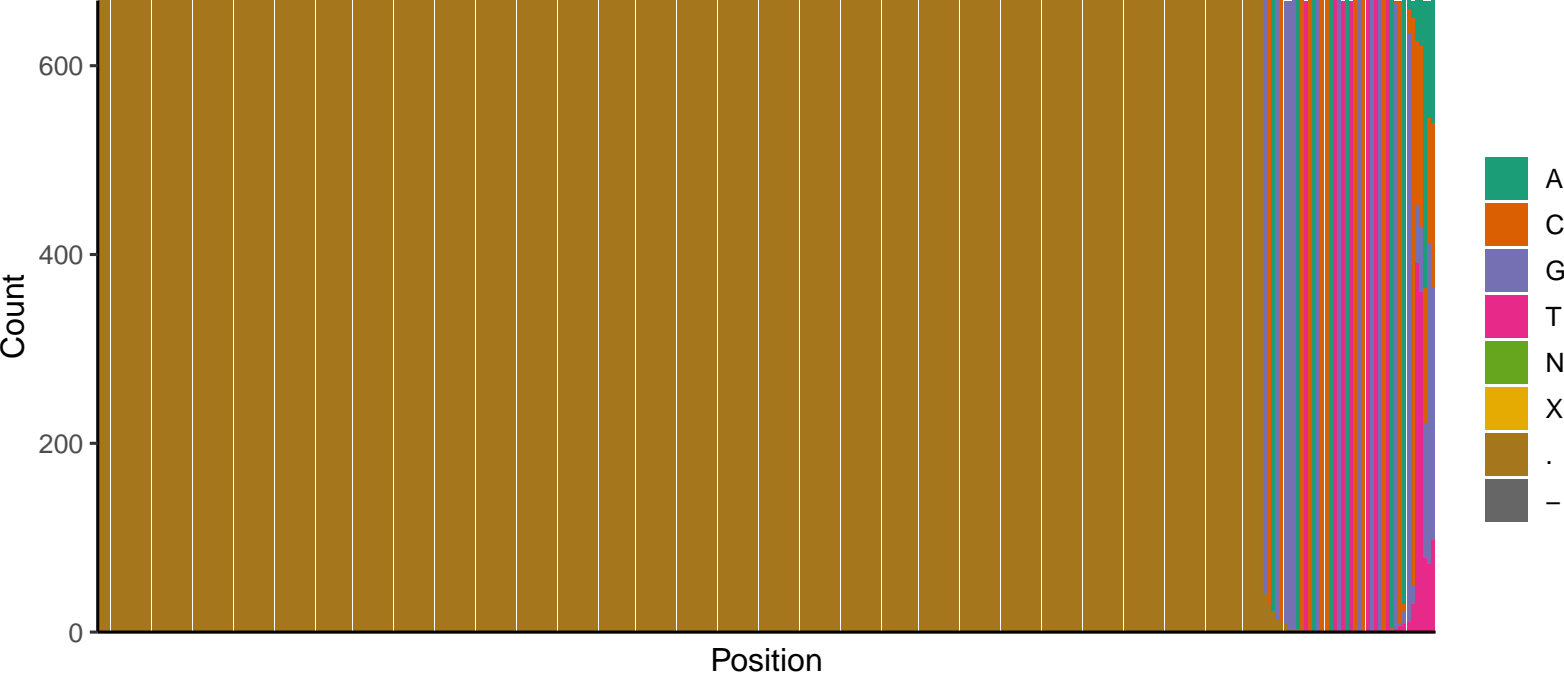
Gene TRBV12-2*ap01_G301A



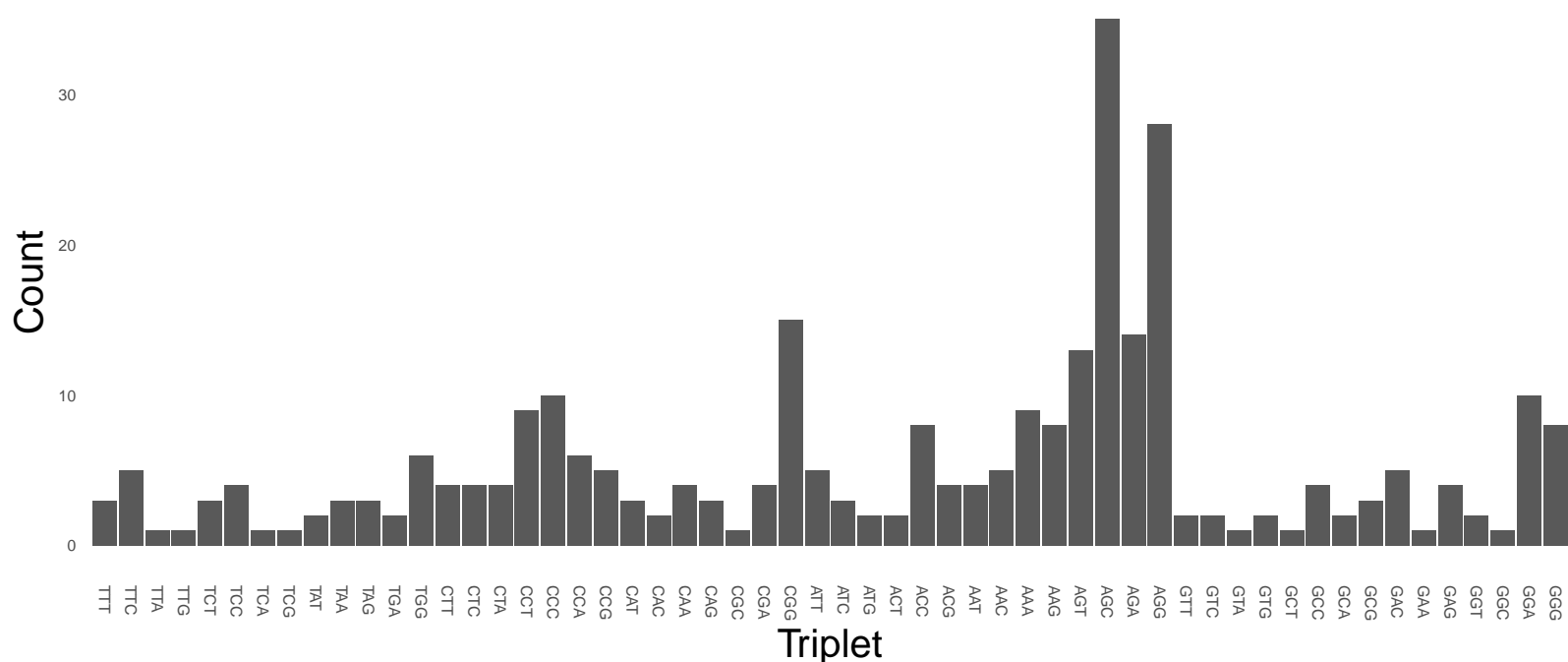
Gene TRBV7-1*ap01_G291C_T296C



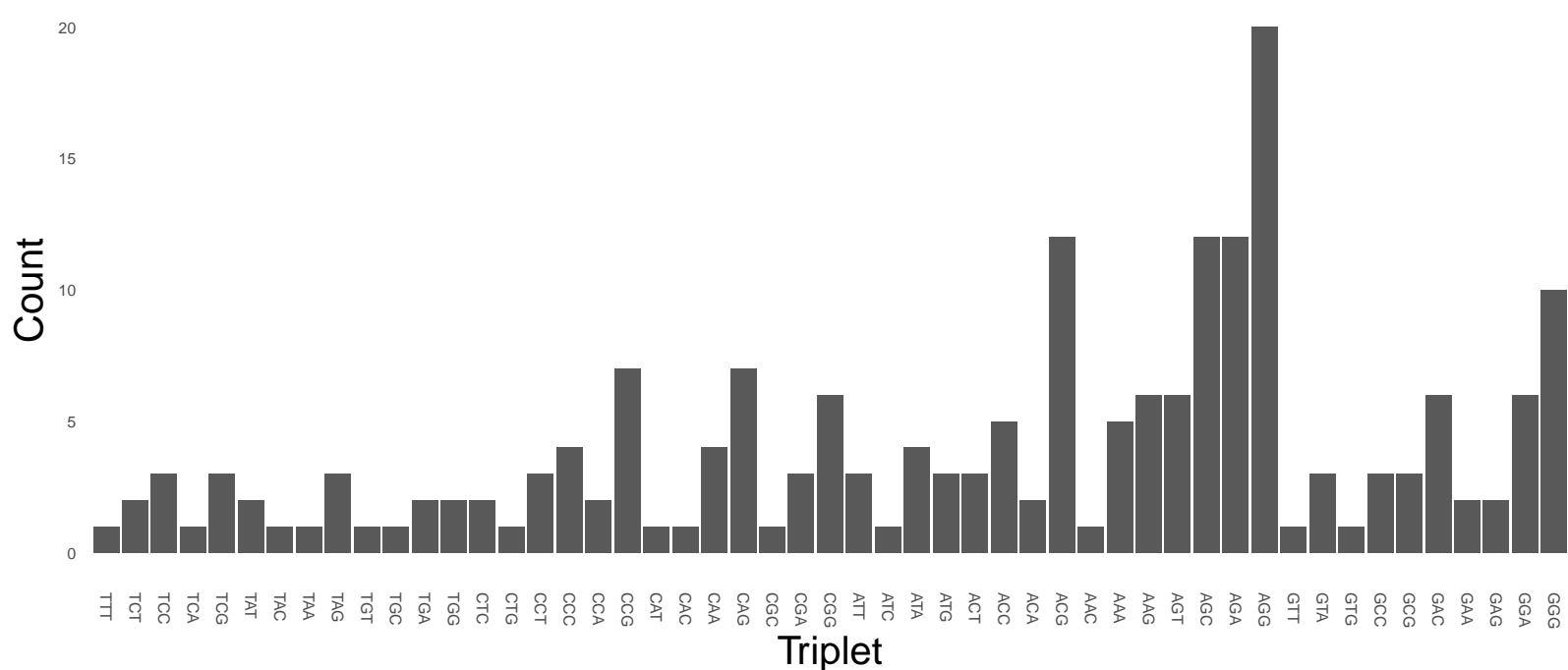
Gene TRBV7-7*ap01_C315T



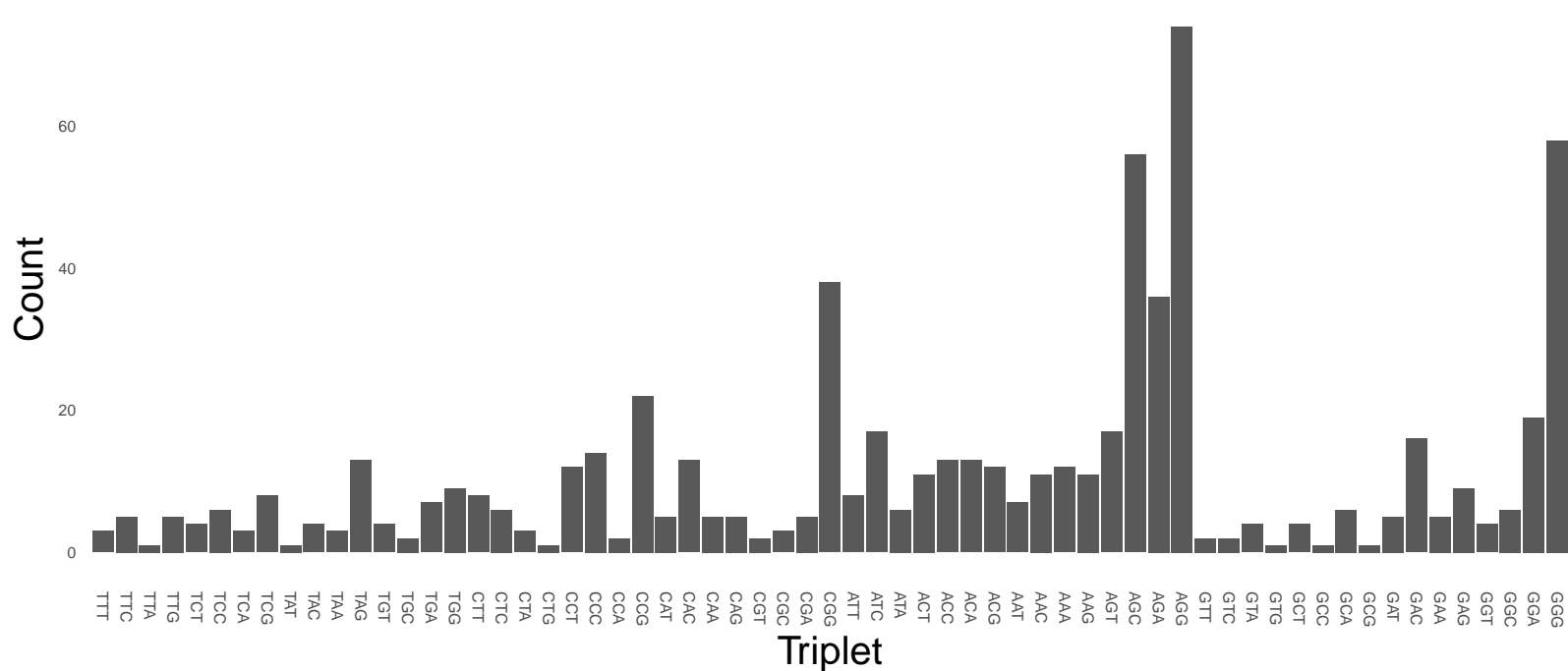
TRBV12-2*ap01_G301A- Final 3 nucleotides as a triplet



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

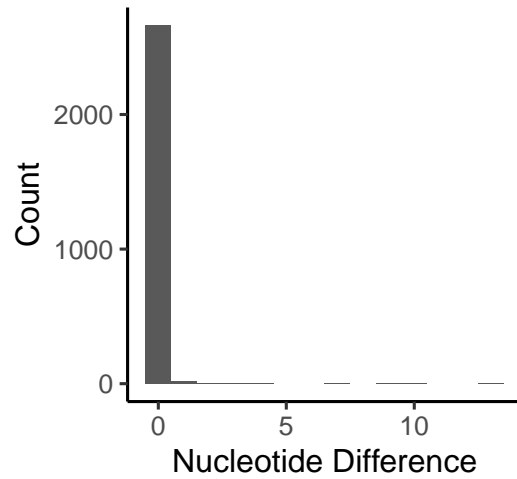


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



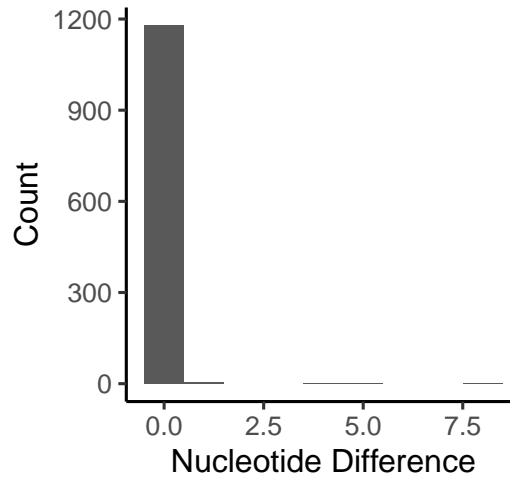
TRBV10-1*ap01

2693 sequences assigned
2662 (98.8%) exact matches, in which:
2622 unique CDR3
13 unique J



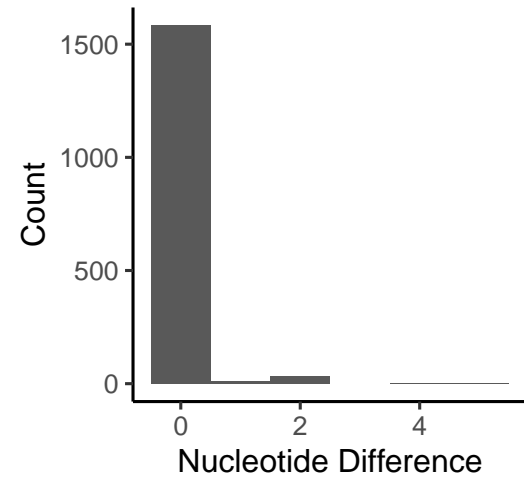
TRBV10-2*ap01

1188 sequences assigned
1179 (99.2%) exact matches, in which:
1153 unique CDR3
13 unique J



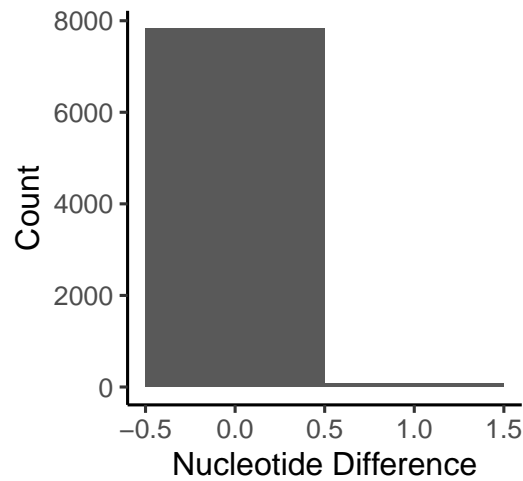
TRBV13*ap01

1627 sequences assigned
1583 (97.3%) exact matches, in which:
1535 unique CDR3
13 unique J



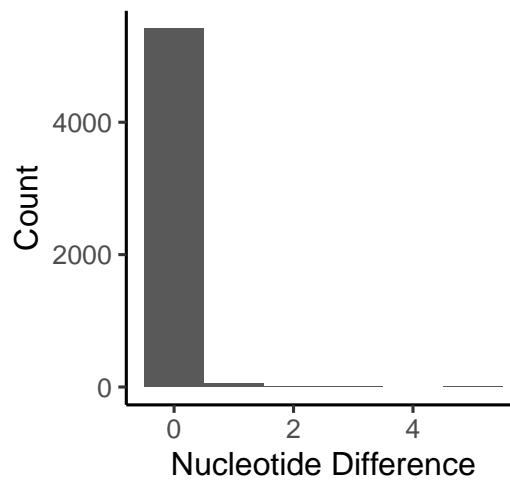
TRBV20-1*ap01

7891 sequences assigned
7825 (99.2%) exact matches, in which:
7695 unique CDR3
13 unique J



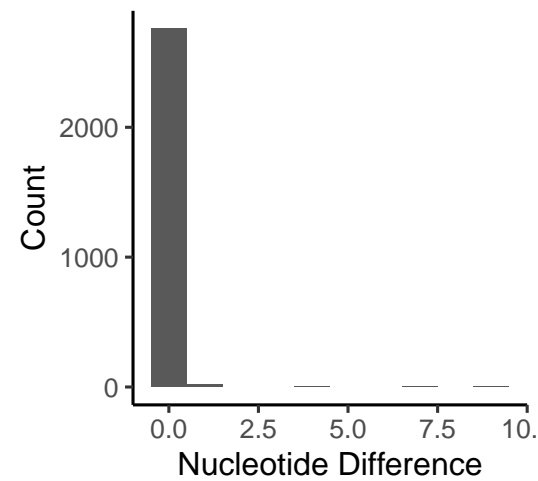
TRBV10-3*ap01

5465 sequences assigned
5413 (99%) exact matches, in which:
5310 unique CDR3
13 unique J



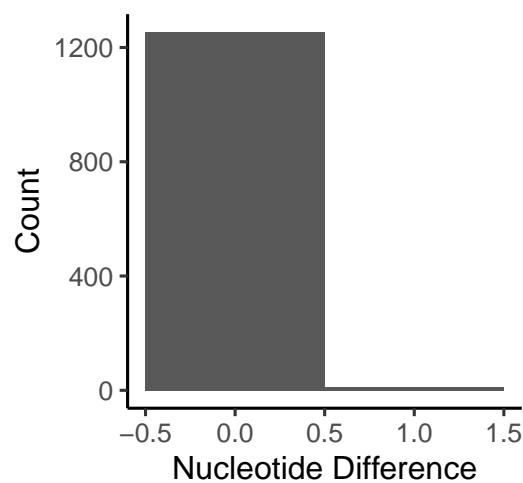
TRBV14*ap01

2780 sequences assigned
2759 (99.2%) exact matches, in which:
2720 unique CDR3
13 unique J



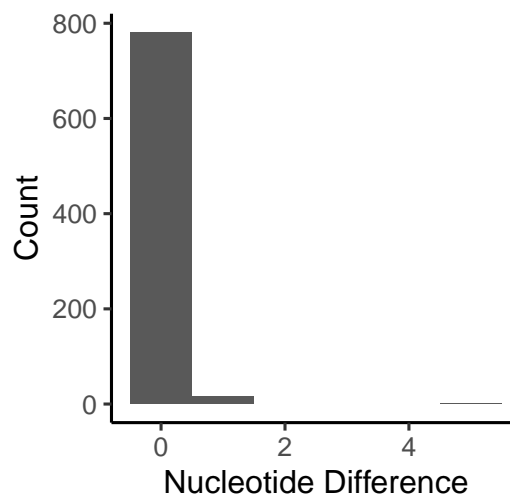
TRBV20-1*ap02

1265 sequences assigned
1254 (99.1%) exact matches, in which:
1236 unique CDR3
13 unique J



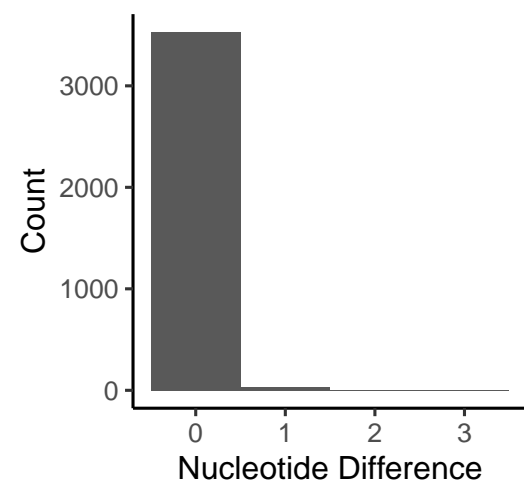
TRBV1*ap01

797 sequences assigned
781 (98%) exact matches, in which:
767 unique CDR3
13 unique J



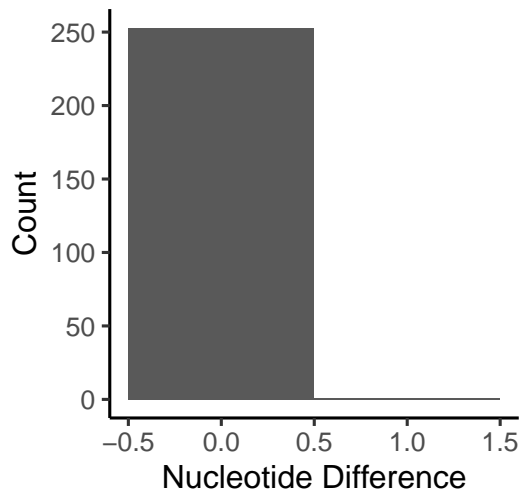
TRBV15*ap02

3564 sequences assigned
3530 (99%) exact matches, in which:
3456 unique CDR3
13 unique J



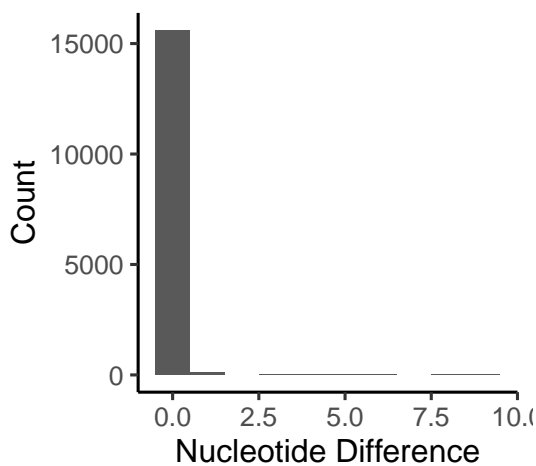
TRBV16*ap01

254 sequences assigned
253 (99.6%) exact matches, in which:
249 unique CDR3
13 unique J



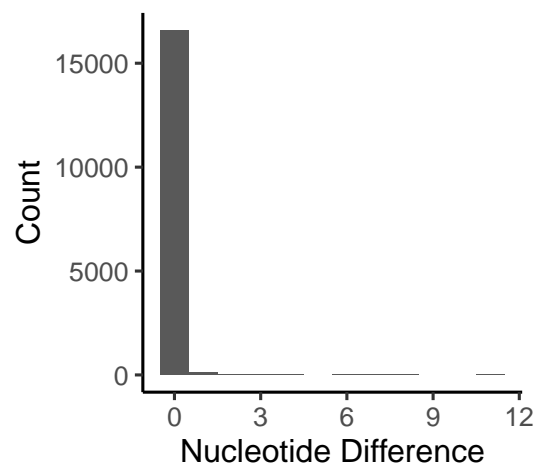
TRBV19*ap01

15709 sequences assigned
15607 (99.4%) exact matches, in which:
15458 unique CDR3
14 unique J



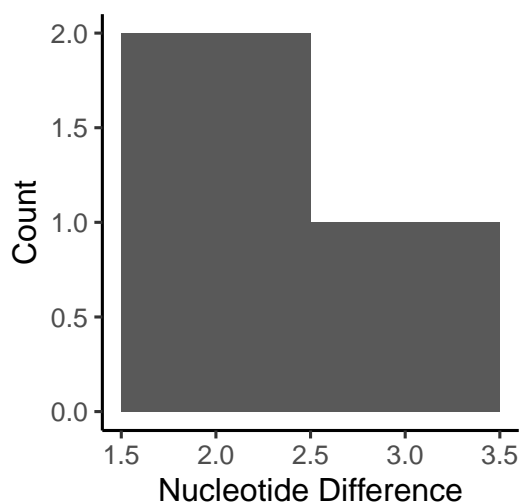
TRBV27*ap01

16730 sequences assigned
16592 (99.2%) exact matches, in which:
16265 unique CDR3
13 unique J



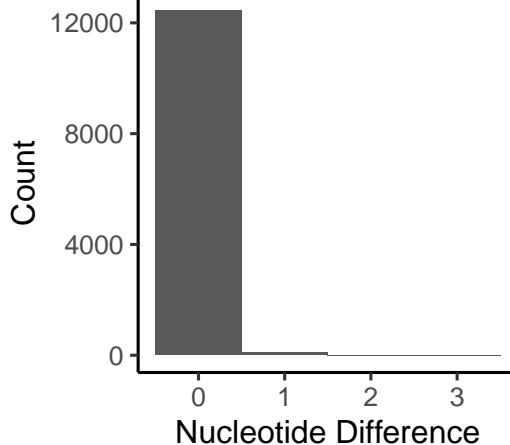
TRBV17*ap01

3 sequences assigned
No exact matches.



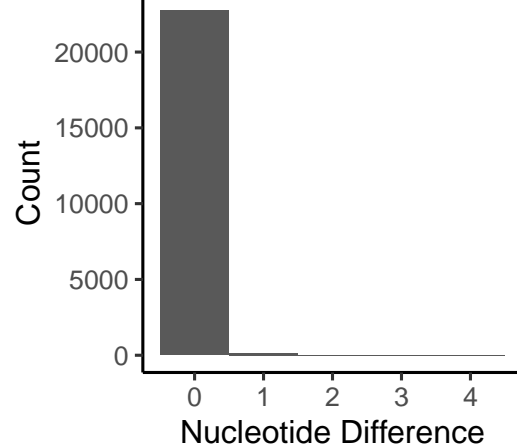
TRBV2*ap01

12557 sequences assigned
12447 (99.1%) exact matches, in which:
12229 unique CDR3
13 unique J



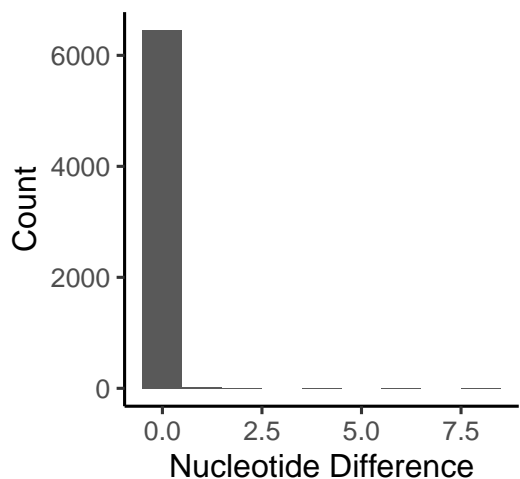
TRBV28*ap01

22907 sequences assigned
22743 (99.3%) exact matches, in which:
22395 unique CDR3
13 unique J



TRBV18*ap01

6484 sequences assigned
6456 (99.6%) exact matches, in which:
6387 unique CDR3
13 unique J



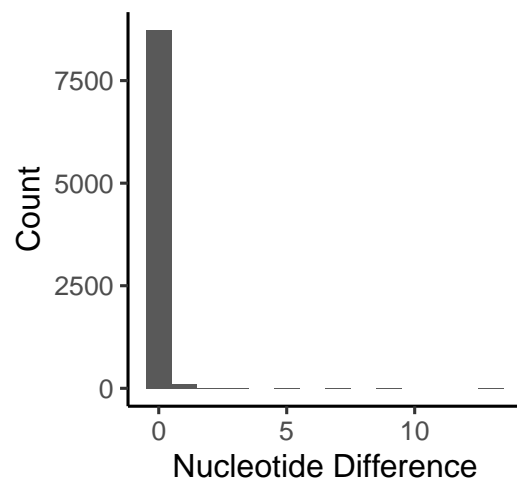
TRBV26*ap01

1 sequences assigned
No exact matches.



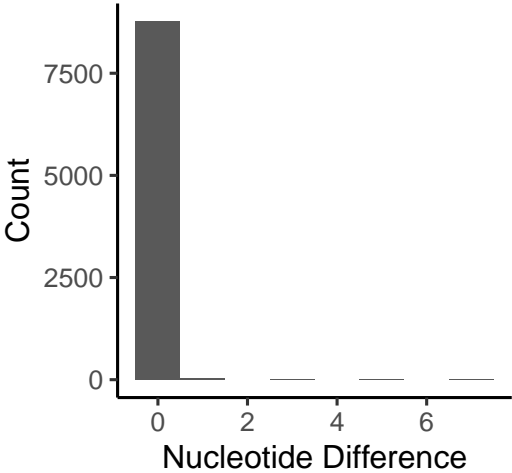
TRBV30*ap01

8857 sequences assigned
8732 (98.6%) exact matches, in which:
8528 unique CDR3
13 unique J



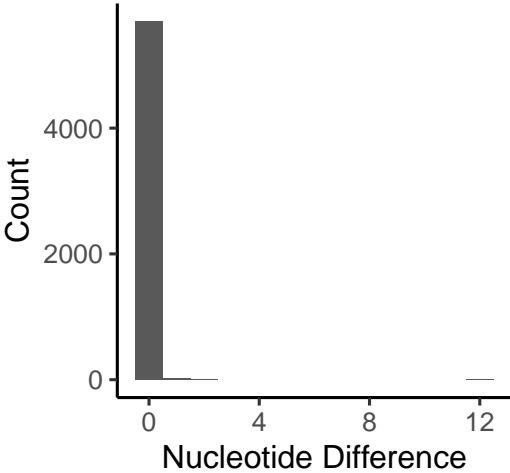
TRBV9*ap01

8806 sequences assigned
8769 (99.6%) exact matches, in which:
8646 unique CDR3
14 unique J



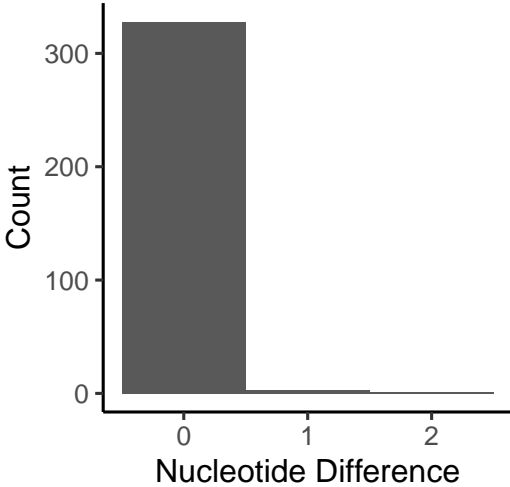
TRBV11-2*ap01

5720 sequences assigned
5697 (99.6%) exact matches, in which:
5655 unique CDR3
13 unique J



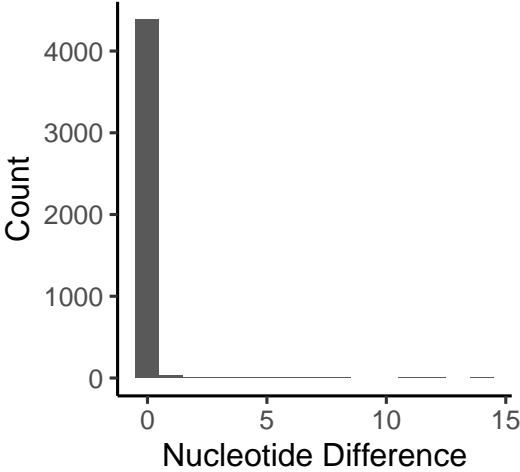
TRBV12-2*ap01

332 sequences assigned
328 (98.8%) exact matches, in which:
325 unique CDR3
13 unique J



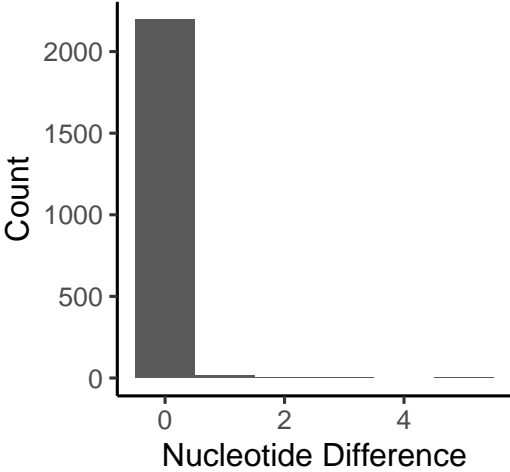
TRBV21-1*ap01

4456 sequences assigned
4383 (98.4%) exact matches, in which:
4337 unique CDR3
13 unique J



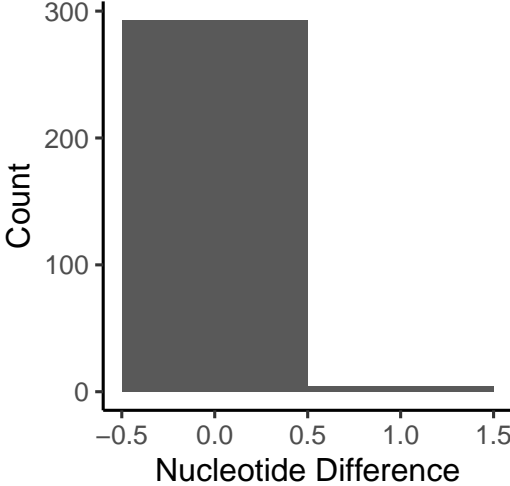
TRBV11-3*ap01

2217 sequences assigned
2195 (99%) exact matches, in which:
2181 unique CDR3
13 unique J



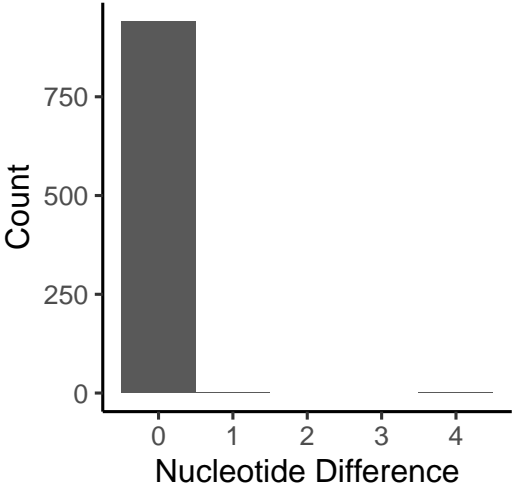
TRBV12-2*ap01_G301A

297 sequences assigned
293 (98.7%) exact matches, in which:
288 unique CDR3
13 unique J



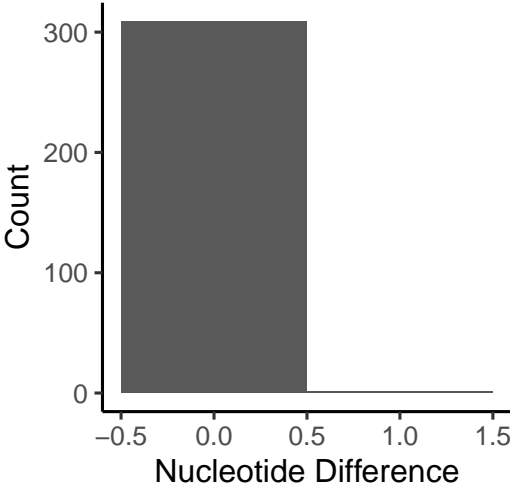
TRBV11-1*ap01

944 sequences assigned
941 (99.7%) exact matches, in which:
928 unique CDR3
13 unique J



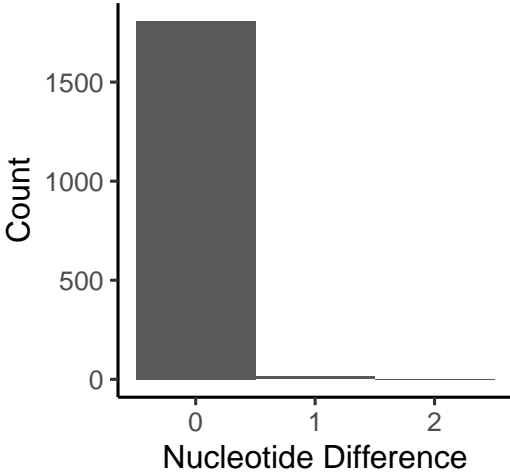
TRBV12-1*ap01

310 sequences assigned
309 (99.7%) exact matches, in which:
305 unique CDR3
13 unique J



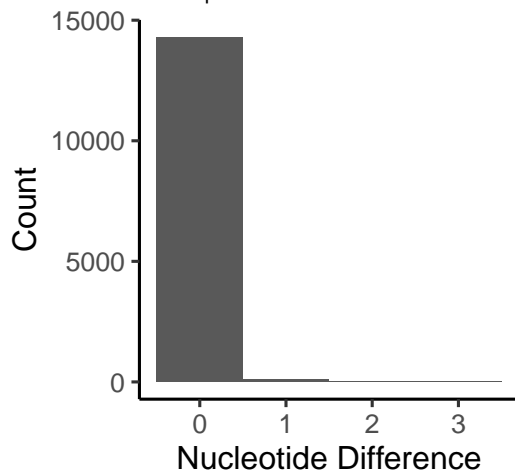
TRBV12-5*ap01

1823 sequences assigned
1808 (99.2%) exact matches, in which:
1779 unique CDR3
13 unique J



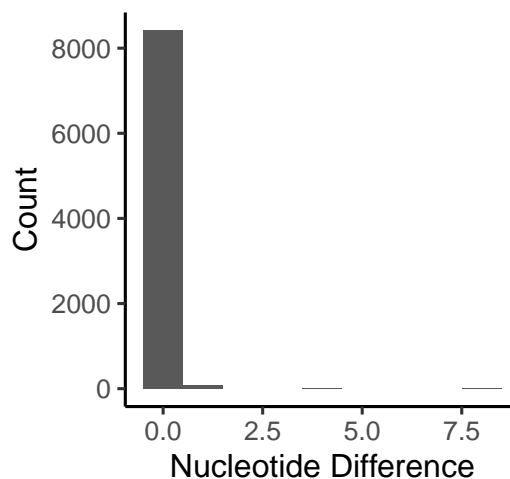
TRBV12-34*ap01

14406 sequences assigned
14297 (99.2%) exact matches, in which:
14069 unique CDR3
13 unique J



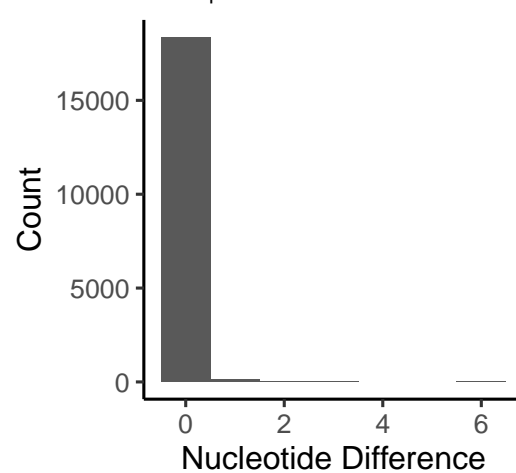
TRBV4-1*ap01

8510 sequences assigned
8417 (98.9%) exact matches, in which:
8203 unique CDR3
13 unique J



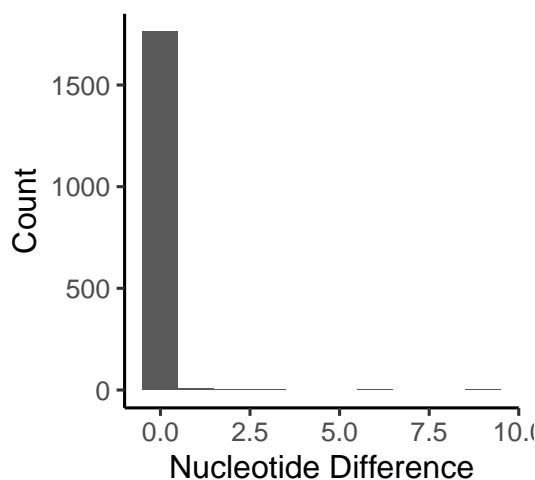
TRBV5-1*ap01

18505 sequences assigned
18368 (99.3%) exact matches, in which:
17974 unique CDR3
13 unique J



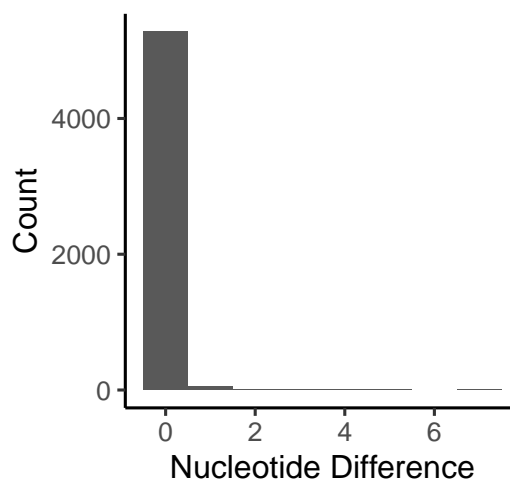
TRBV23-1*ap01

1775 sequences assigned
1762 (99.3%) exact matches, in which:
1741 unique CDR3
13 unique J



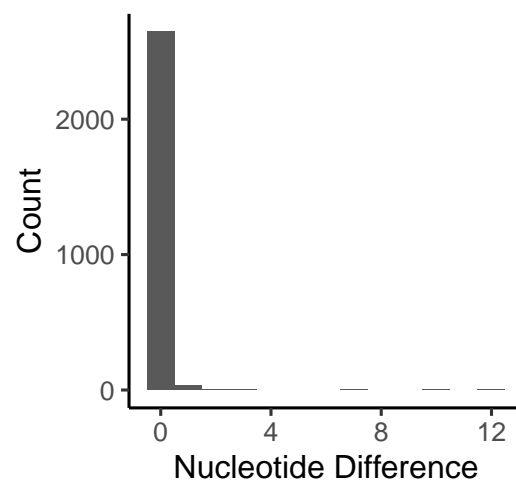
TRBV24-1*ap01

5352 sequences assigned
5278 (98.6%) exact matches, in which:
5163 unique CDR3
13 unique J



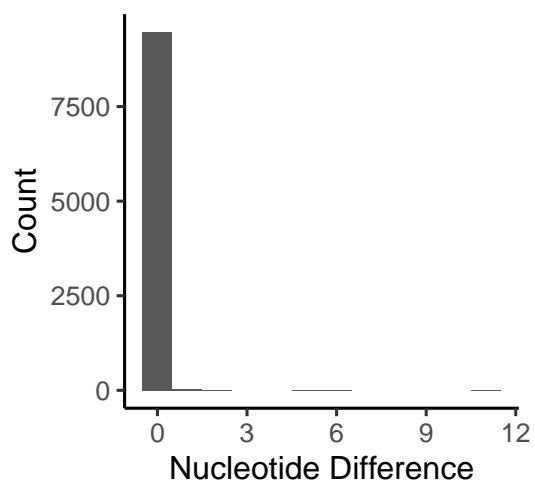
TRBV25-1*ap01

2685 sequences assigned
2646 (98.5%) exact matches, in which:
2574 unique CDR3
13 unique J



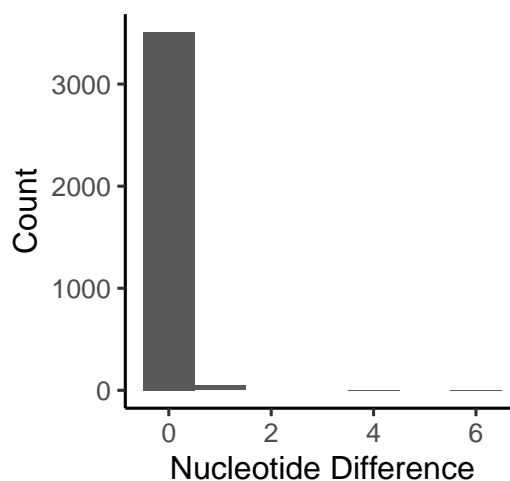
TRBV3-12*ap01

9517 sequences assigned
9470 (99.5%) exact matches, in which:
9379 unique CDR3
13 unique J



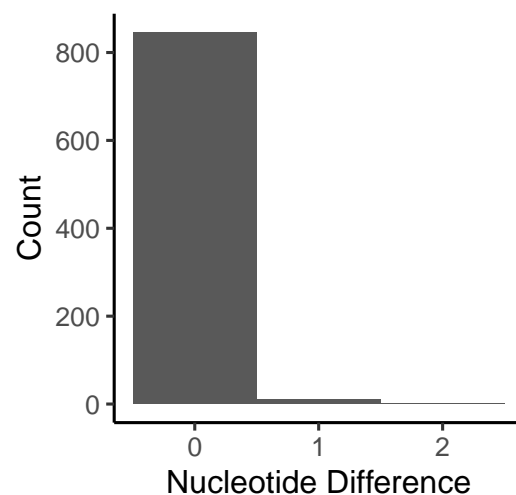
TRBV4-2*ap01

3560 sequences assigned
3510 (98.6%) exact matches, in which:
3415 unique CDR3
13 unique J



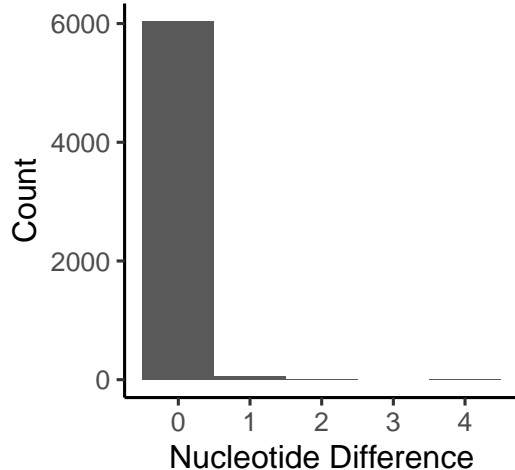
TRBV5-3*ap01

859 sequences assigned
846 (98.5%) exact matches, in which:
829 unique CDR3
13 unique J



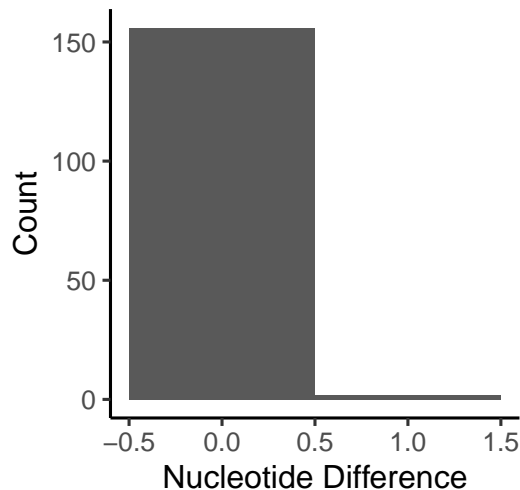
TRBV5-4*ap01

6092 sequences assigned
6036 (99.1%) exact matches, in which:
5915 unique CDR3
13 unique J



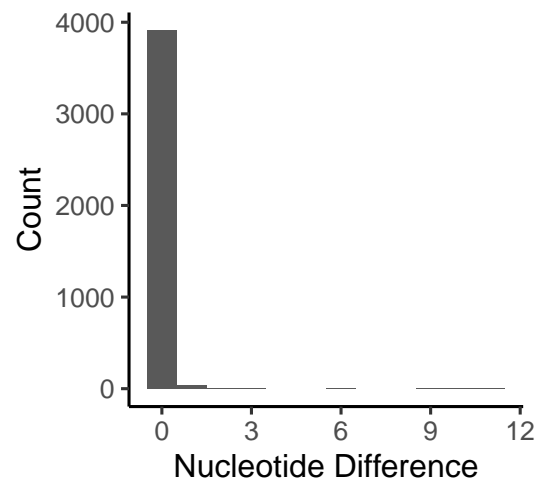
TRBV5-7*ap01

158 sequences assigned
156 (98.7%) exact matches, in which:
152 unique CDR3
13 unique J



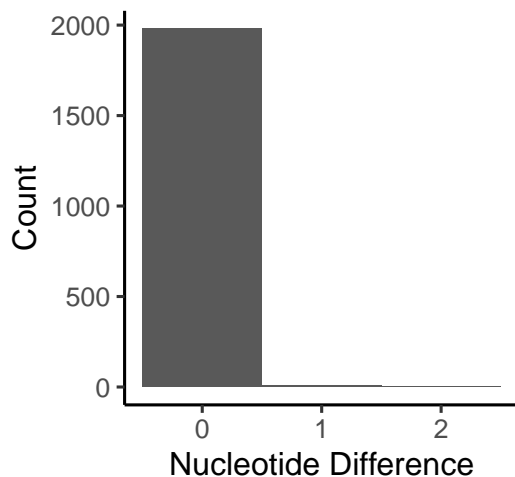
TRBV6-4*ap01

3959 sequences assigned
3911 (98.8%) exact matches, in which:
3859 unique CDR3
13 unique J



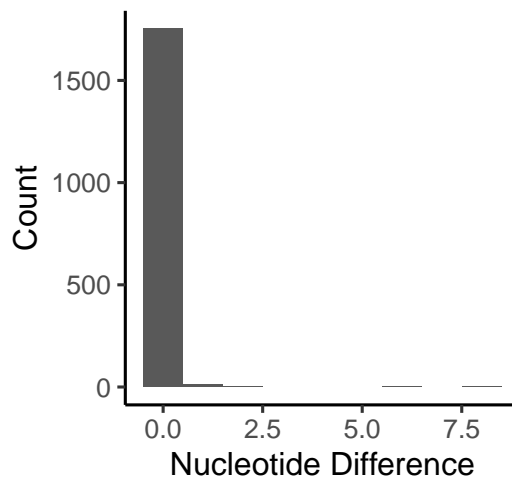
TRBV5-5*ap01

1991 sequences assigned
1980 (99.4%) exact matches, in which:
1971 unique CDR3
13 unique J



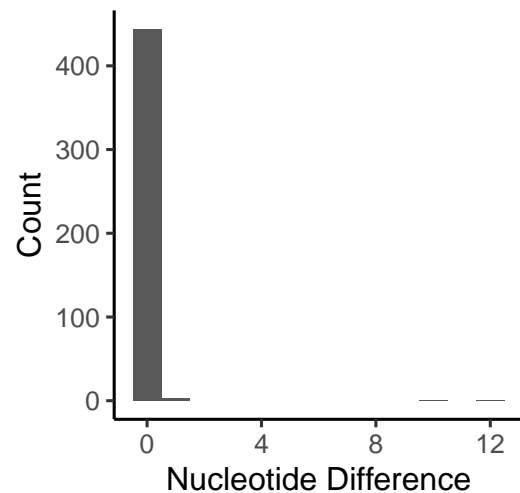
TRBV5-8*ap01

1770 sequences assigned
1753 (99%) exact matches, in which:
1724 unique CDR3
13 unique J



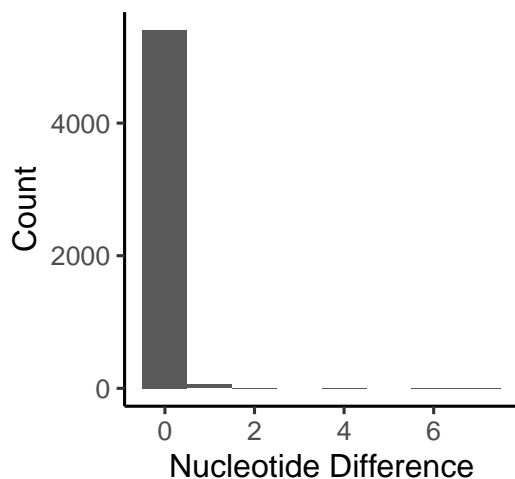
TRBV6-7*ap01

449 sequences assigned
444 (98.9%) exact matches, in which:
428 unique CDR3
13 unique J



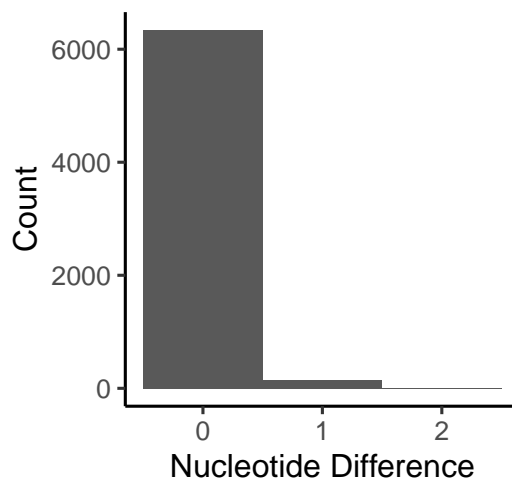
TRBV5-6*ap01

5464 sequences assigned
5403 (98.9%) exact matches, in which:
5223 unique CDR3
13 unique J



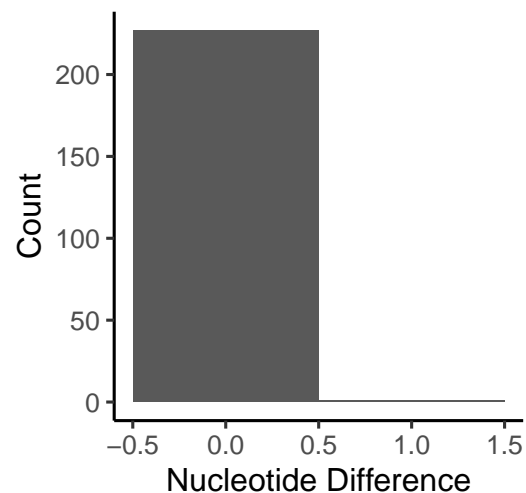
TRBV6-1*ap01

6492 sequences assigned
6339 (97.6%) exact matches, in which:
6172 unique CDR3
13 unique J



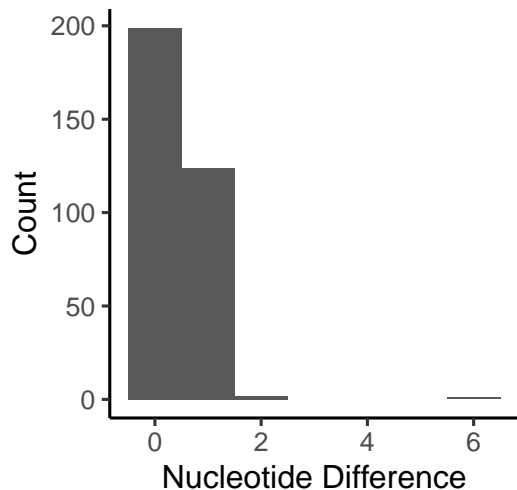
TRBV6-8*ap01

228 sequences assigned
227 (99.6%) exact matches, in which:
225 unique CDR3
13 unique J



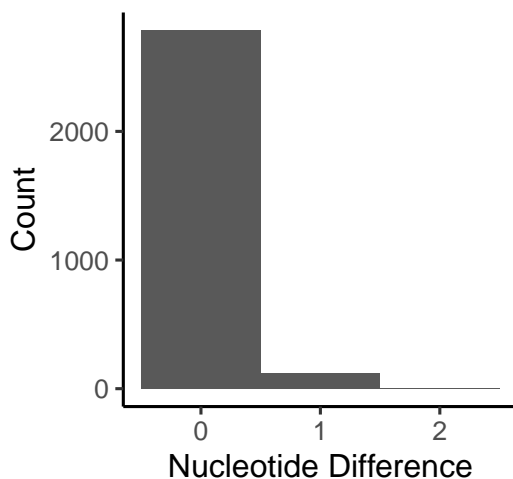
TRBV6-9*ap01

326 sequences assigned
199 (61%) exact matches, in which:
194 unique CDR3
13 unique J



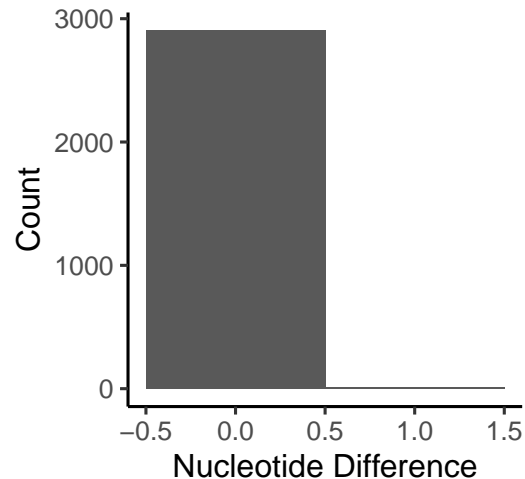
TRBV6-56*ap02

2912 sequences assigned
2785 (95.6%) exact matches, in which:
2709 unique CDR3
13 unique J



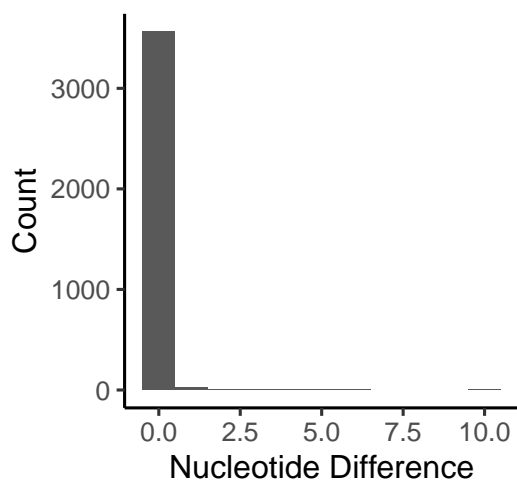
TRBV7-3*ap01

2915 sequences assigned
2905 (99.7%) exact matches, in which:
2862 unique CDR3
13 unique J



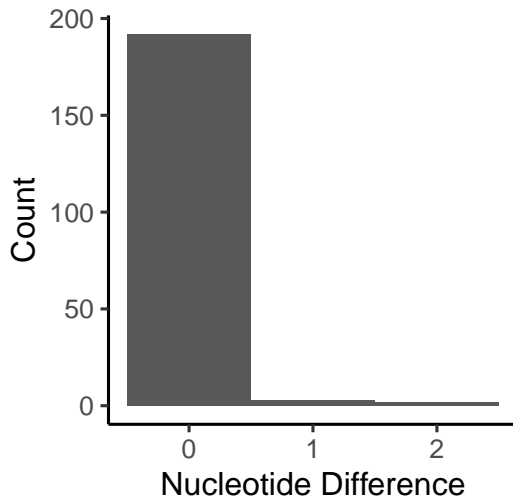
TRBV6-23*ap01

3599 sequences assigned
3563 (99%) exact matches, in which:
3438 unique CDR3
13 unique J



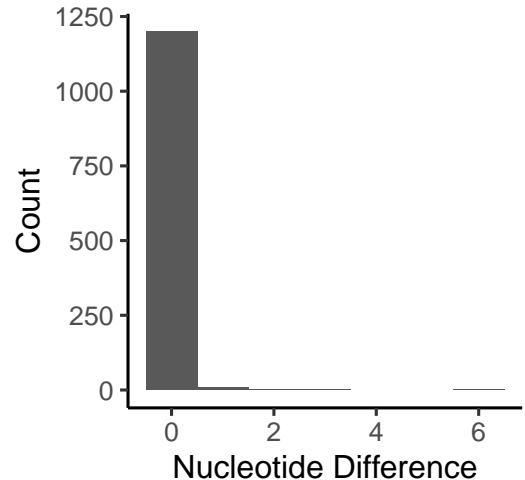
TRBV7-1*ap01_G291C_

197 sequences assigned
192 (97.5%) exact matches, in which:
191 unique CDR3
13 unique J



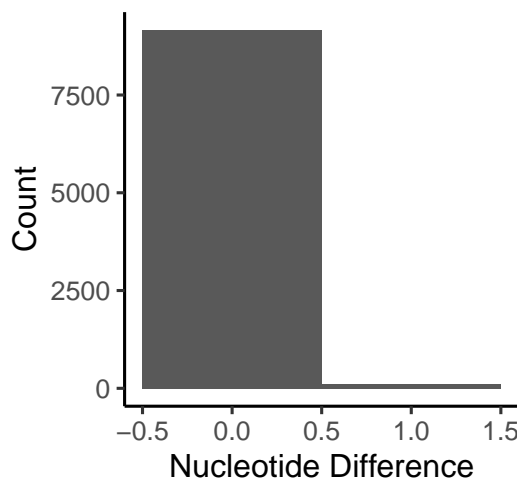
TRBV7-3*ap03

1210 sequences assigned
1199 (99.1%) exact matches, in which:
1178 unique CDR3
13 unique J



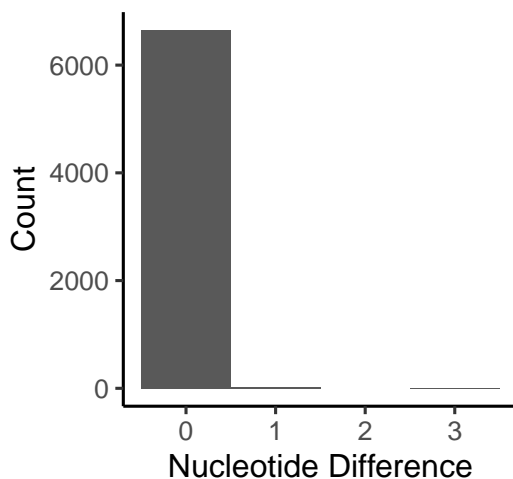
TRBV6-56*ap01

9265 sequences assigned
9161 (98.9%) exact matches, in which:
8919 unique CDR3
13 unique J



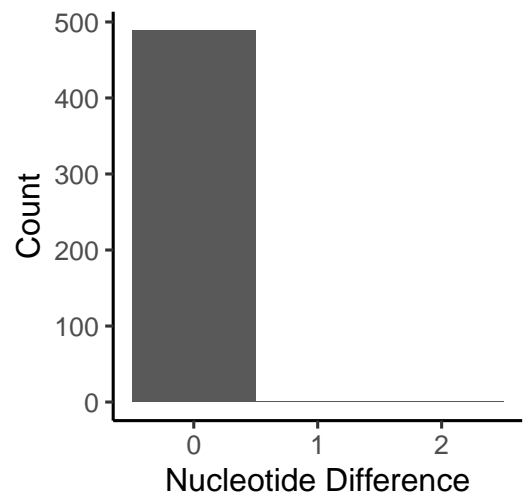
TRBV7-2*ap01

6678 sequences assigned
6651 (99.6%) exact matches, in which:
6560 unique CDR3
13 unique J



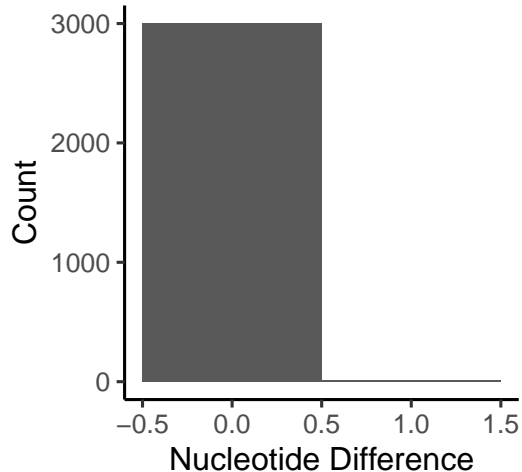
TRBV7-4*ap01

491 sequences assigned
489 (99.6%) exact matches, in which:
483 unique CDR3
13 unique J



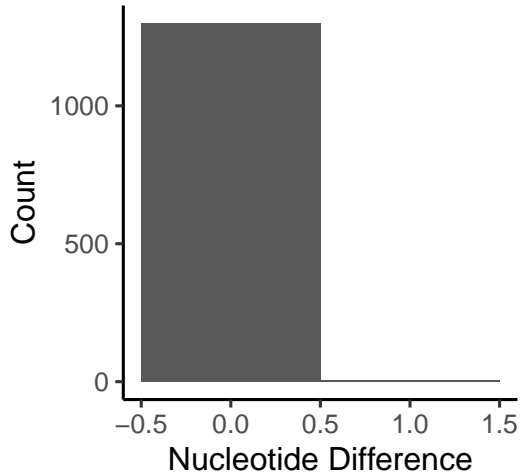
TRBV7-6*ap01

3015 sequences assigned
3001 (99.5%) exact matches, in which:
2938 unique CDR3
13 unique J



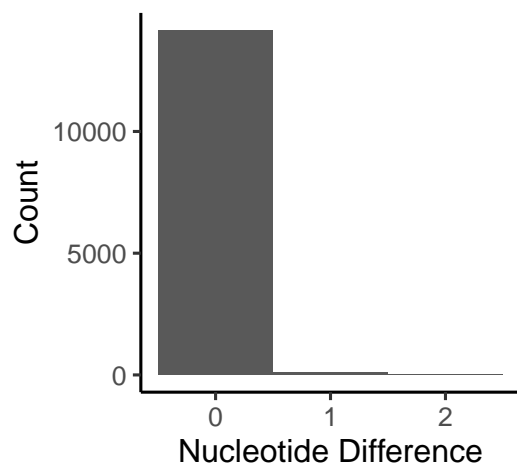
TRBV7-8*ap01

1304 sequences assigned
1299 (99.6%) exact matches, in which:
1273 unique CDR3
13 unique J



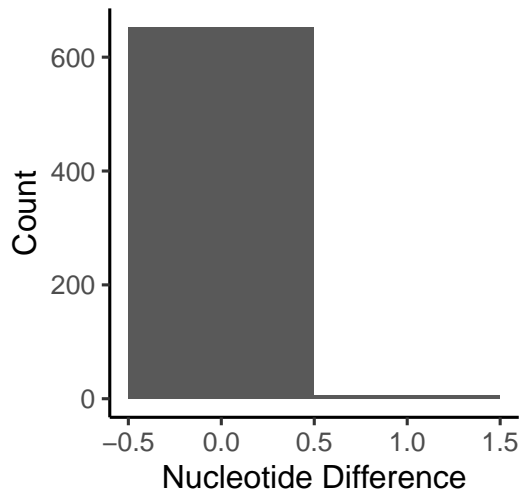
TRBV7-9*ap01

14247 sequences assigned
14162 (99.4%) exact matches, in which:
13941 unique CDR3
13 unique J



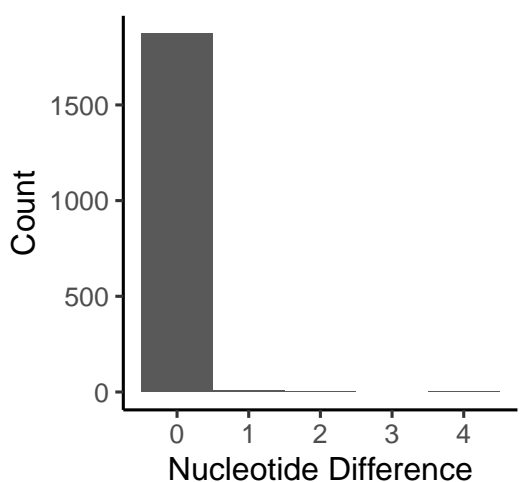
TRBV7-7*ap01

659 sequences assigned
653 (99.1%) exact matches, in which:
640 unique CDR3
13 unique J



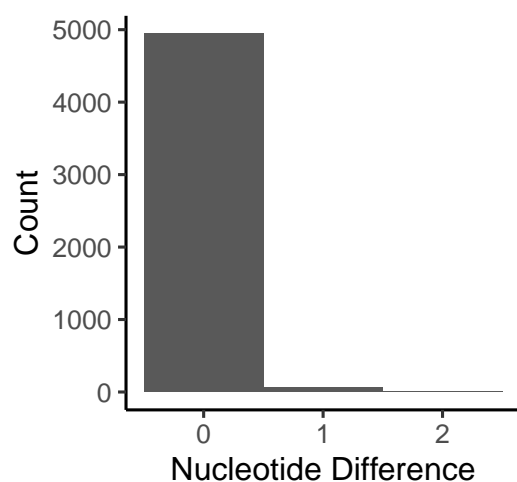
TRBV7-8*ap02

1883 sequences assigned
1872 (99.4%) exact matches, in which:
1834 unique CDR3
13 unique J



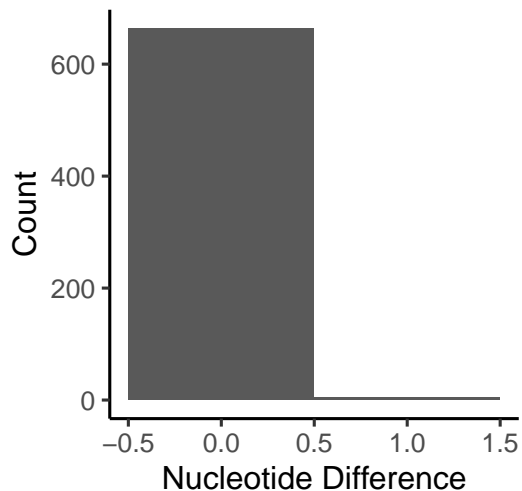
TRBV29-1*ap01

5010 sequences assigned
4944 (98.7%) exact matches, in which:
4803 unique CDR3
13 unique J



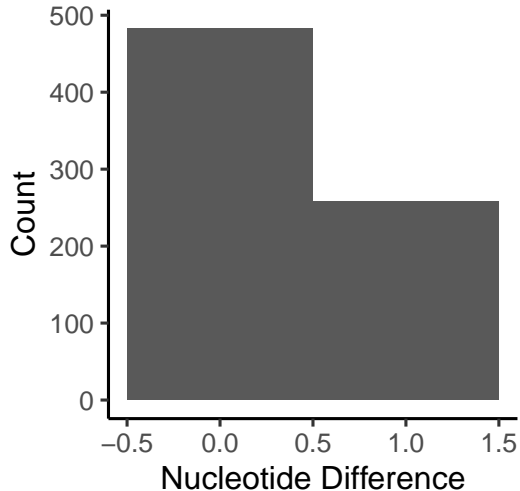
TRBV7-7*ap01_C315T

669 sequences assigned
664 (99.3%) exact matches, in which:
653 unique CDR3
13 unique J



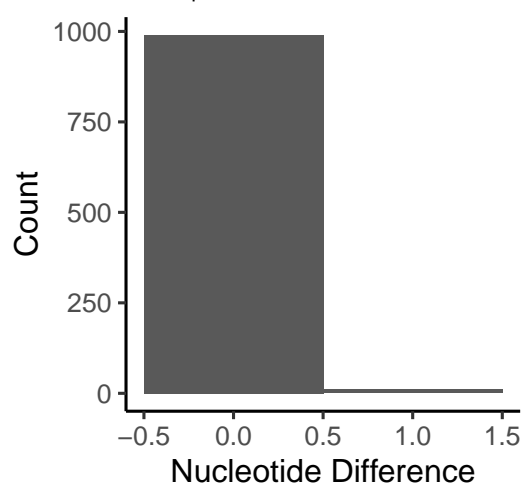
TRBV7-8*ap03

741 sequences assigned
483 (65.2%) exact matches, in which:
471 unique CDR3
13 unique J

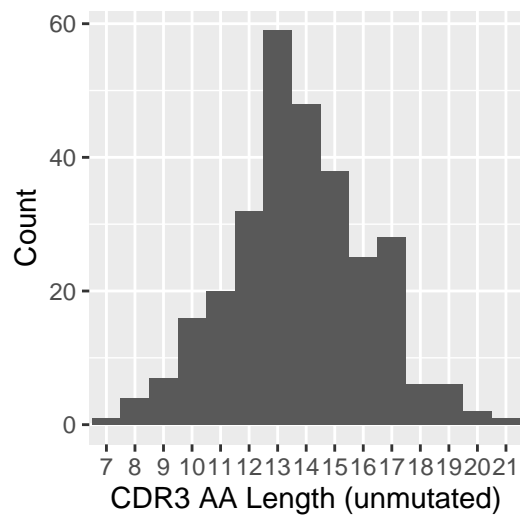


TRBV29-1*ap02

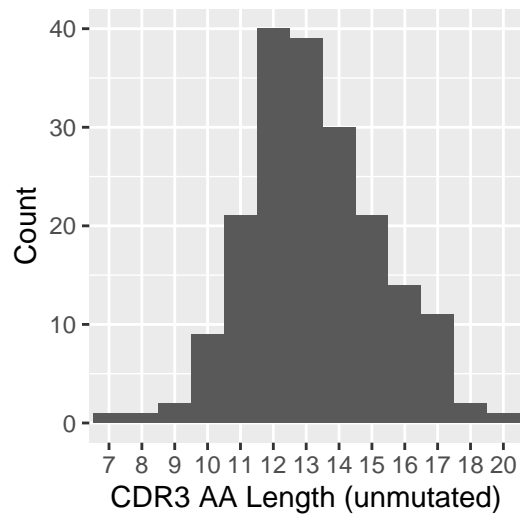
1001 sequences assigned
990 (98.9%) exact matches, in which:
959 unique CDR3
13 unique J



TRBV12-2*ap01_G301A



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

