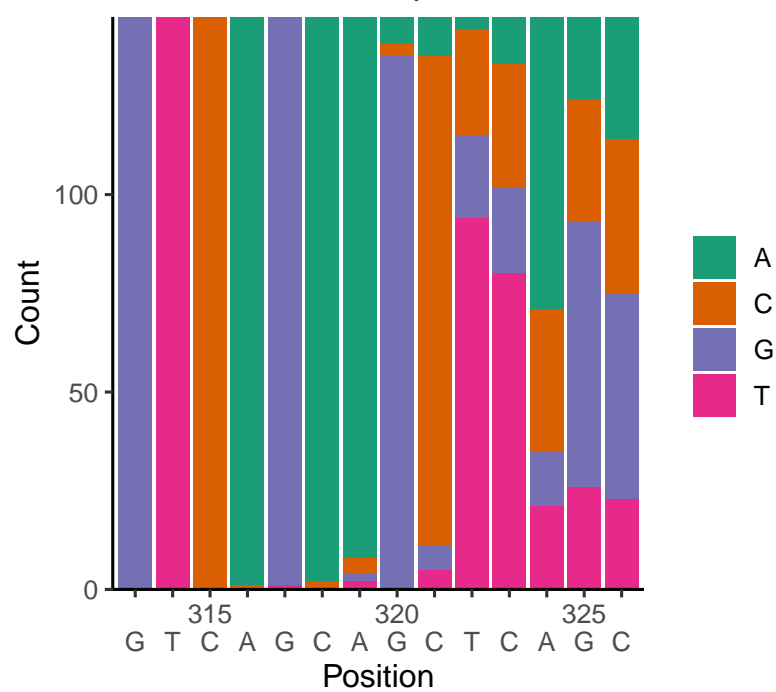
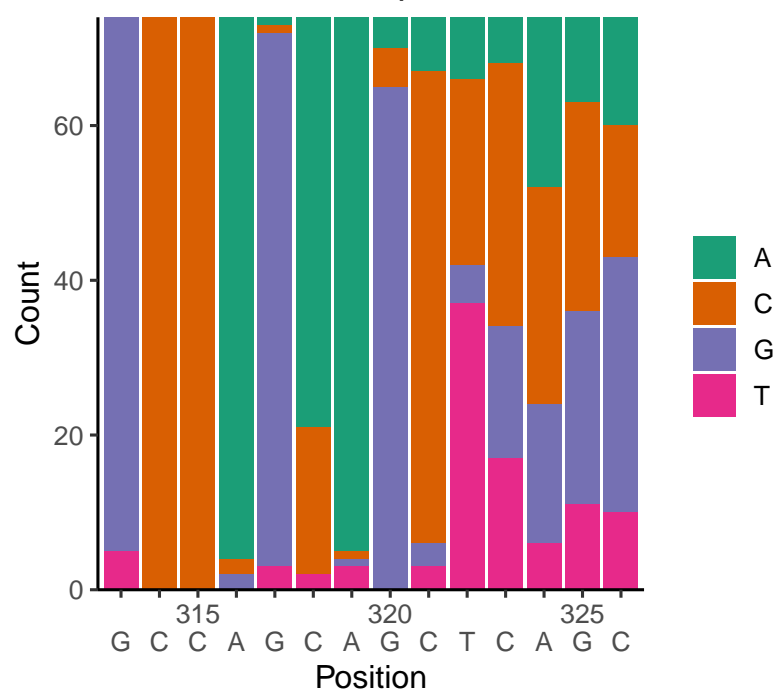


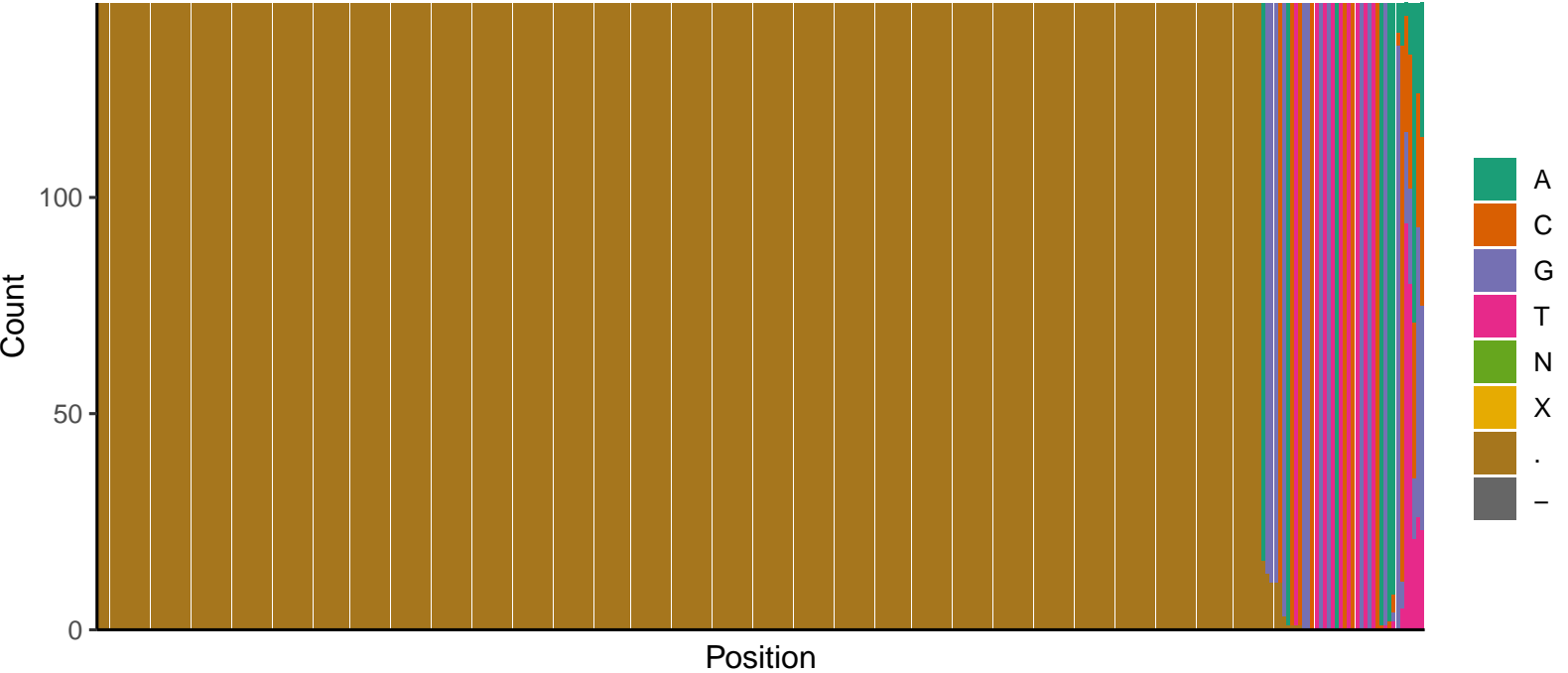
Gene TRBV7-1*ap01_T296C_C314T



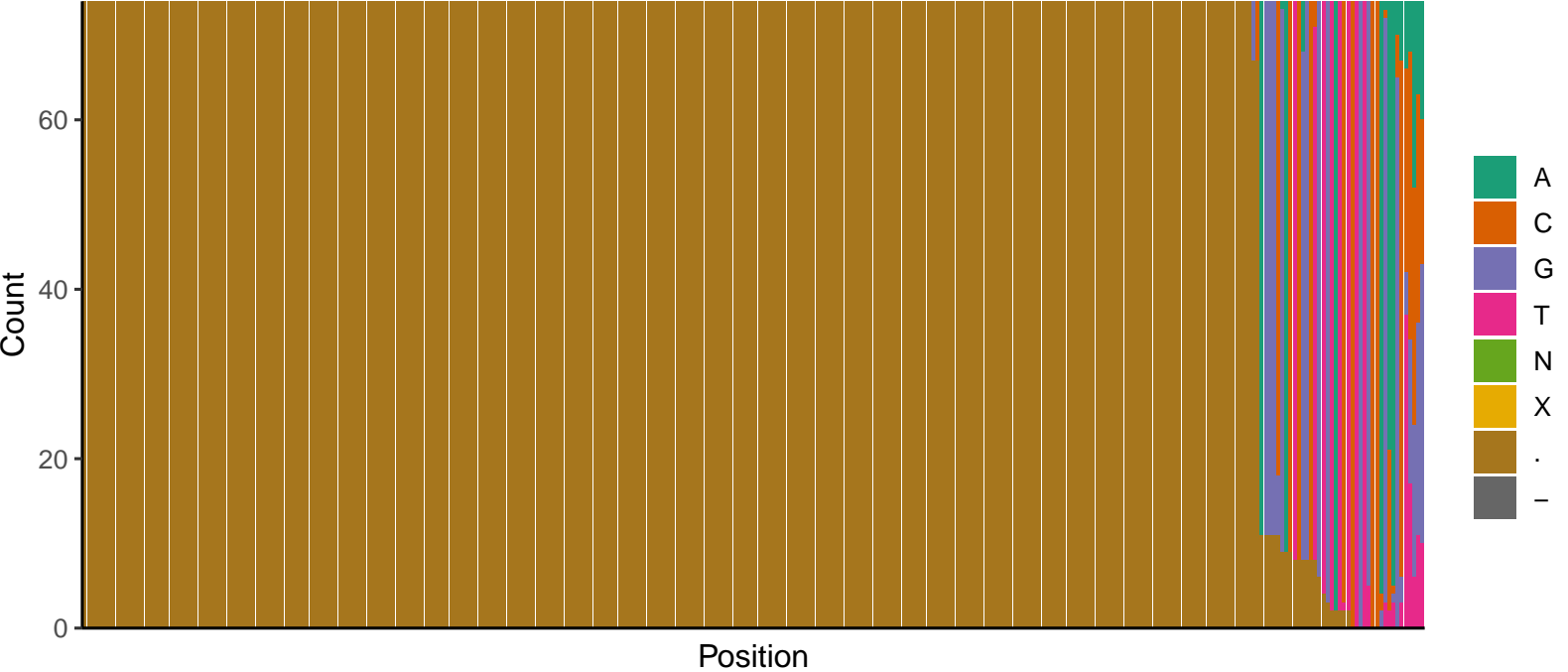
Gene TRBV7-1*ap01_T296C



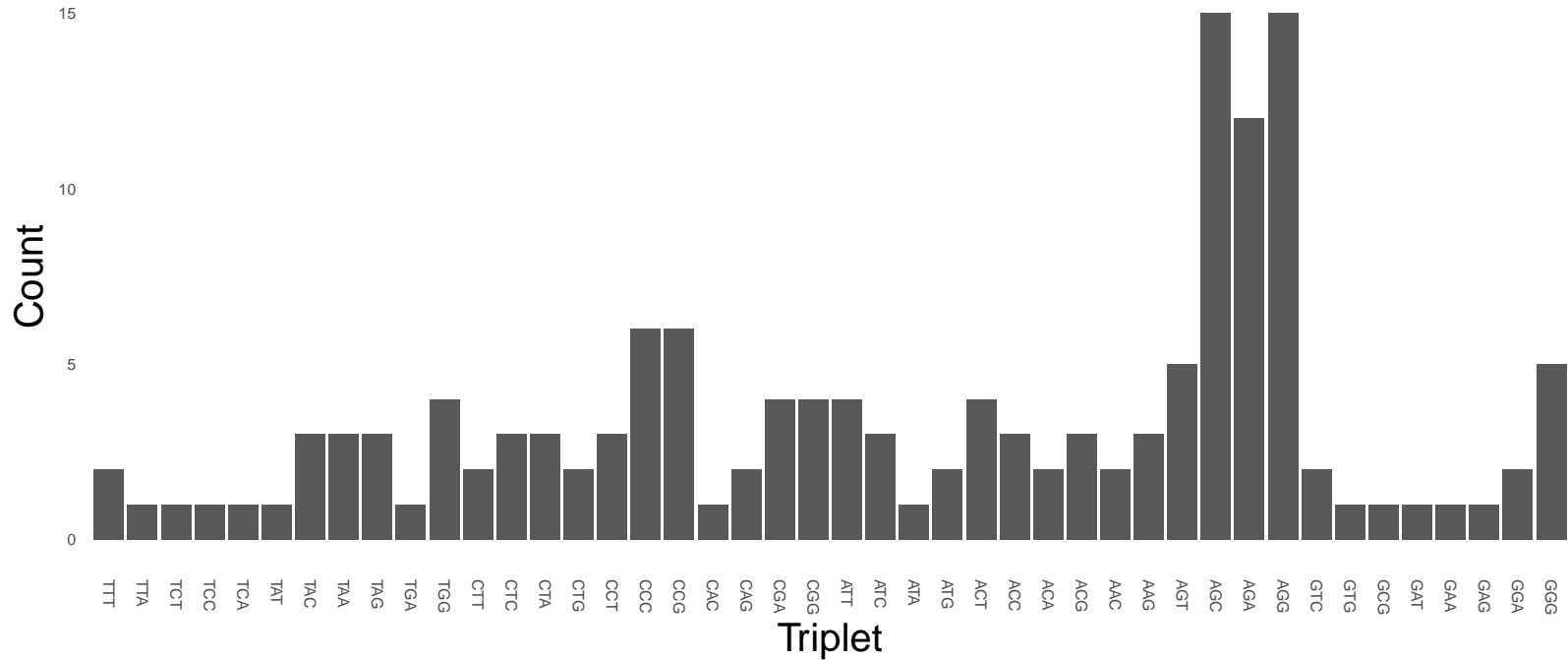
Gene TRBV7-1*ap01_T296C_C314T



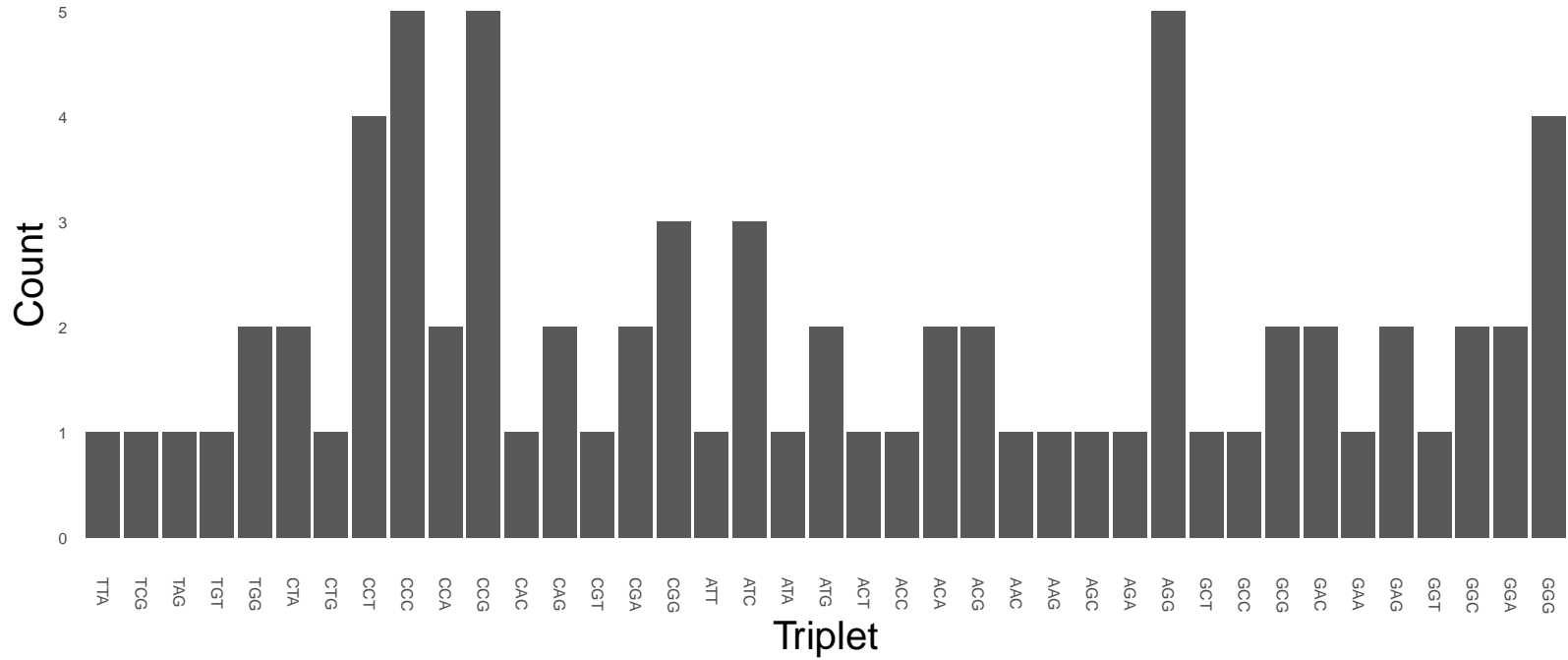
Gene TRBV7-1*ap01_T296C



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

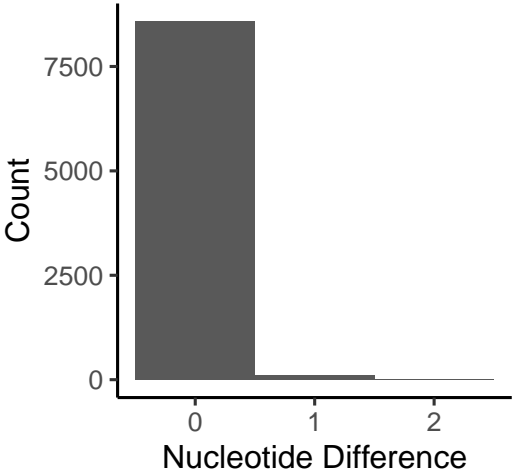


TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet



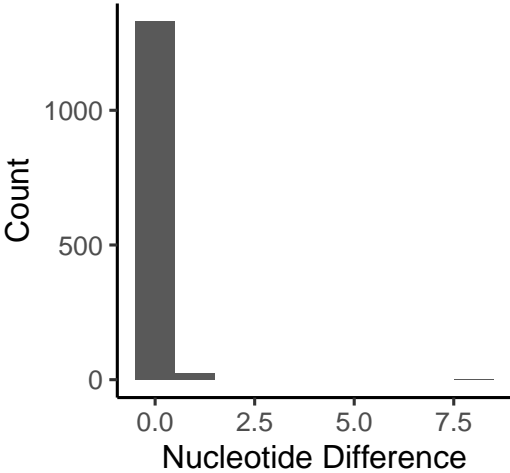
TRBV20-1*ap01

8686 sequences assigned
8579 (98.8%) exact matches, in which:
8395 unique CDR3
13 unique J



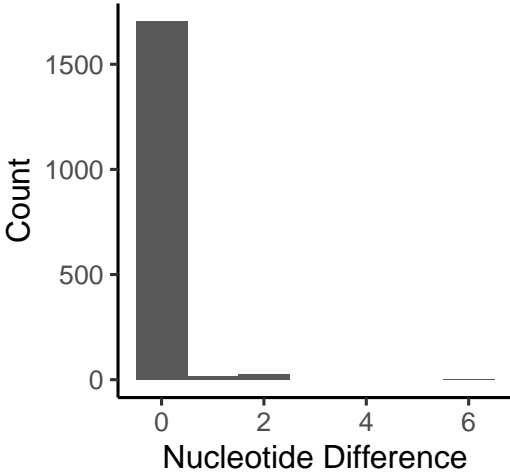
TRBV10-2*ap01

1355 sequences assigned
1330 (98.2%) exact matches, in which:
1284 unique CDR3
13 unique J



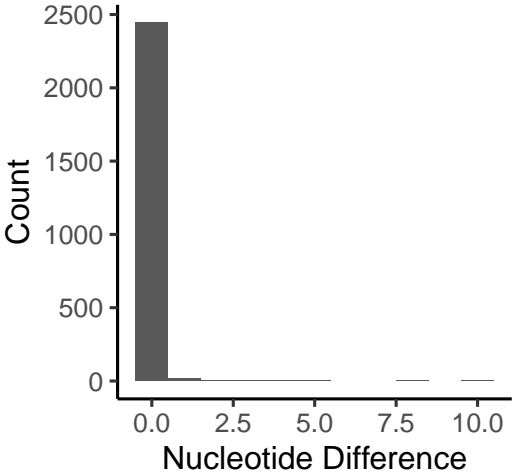
TRBV13*ap01

1746 sequences assigned
1704 (97.6%) exact matches, in which:
1654 unique CDR3
13 unique J



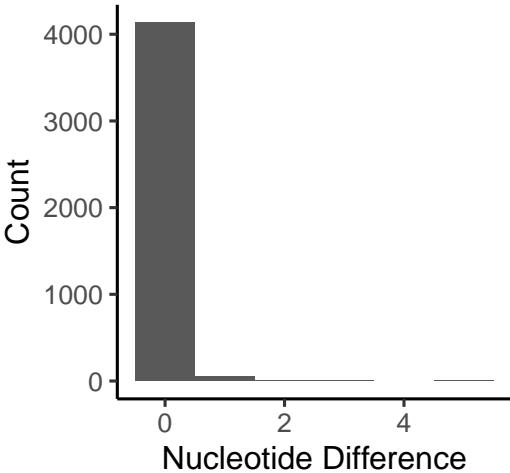
TRBV10-1*ap01

2469 sequences assigned
2444 (99%) exact matches, in which:
2355 unique CDR3
13 unique J



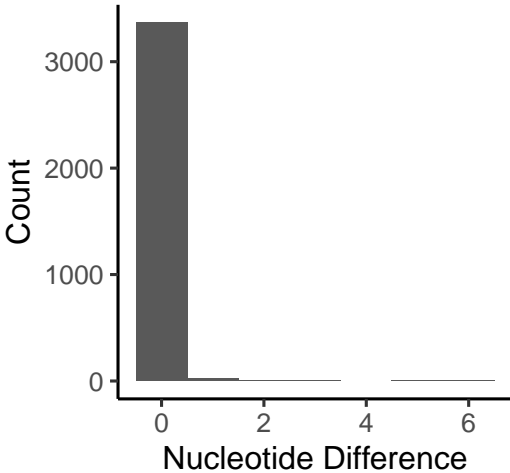
TRBV10-3*ap01

4189 sequences assigned
4133 (98.7%) exact matches, in which:
4018 unique CDR3
13 unique J



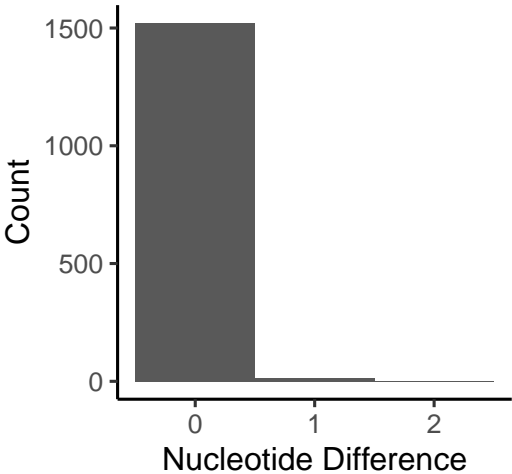
TRBV14*ap01

3396 sequences assigned
3366 (99.1%) exact matches, in which:
3296 unique CDR3
13 unique J



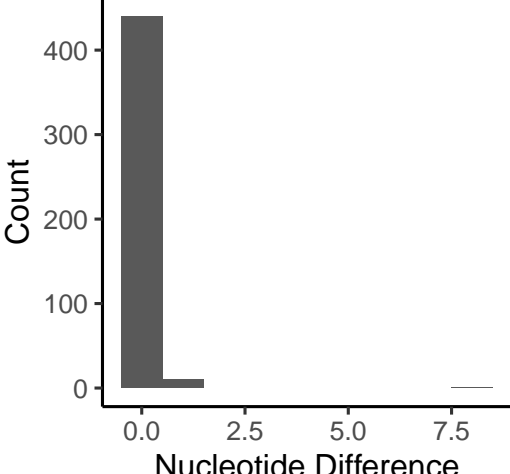
TRBV20-1*ap02

1535 sequences assigned
1521 (99.1%) exact matches, in which:
1491 unique CDR3
13 unique J



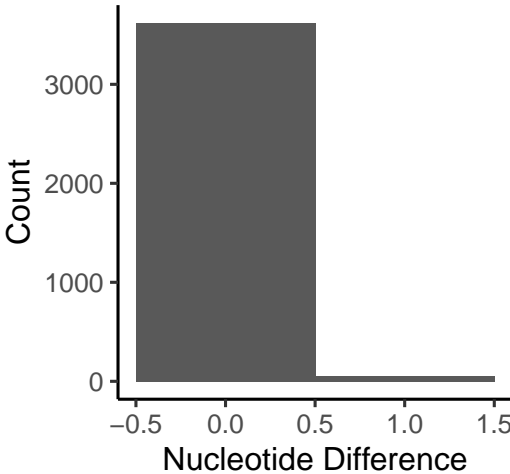
TRBV1*ap01

451 sequences assigned
440 (97.6%) exact matches, in which:
426 unique CDR3
13 unique J



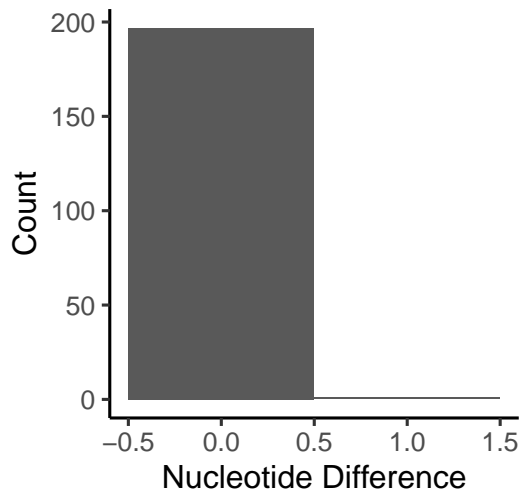
TRBV15*ap02

3671 sequences assigned
3619 (98.6%) exact matches, in which:
3515 unique CDR3
13 unique J



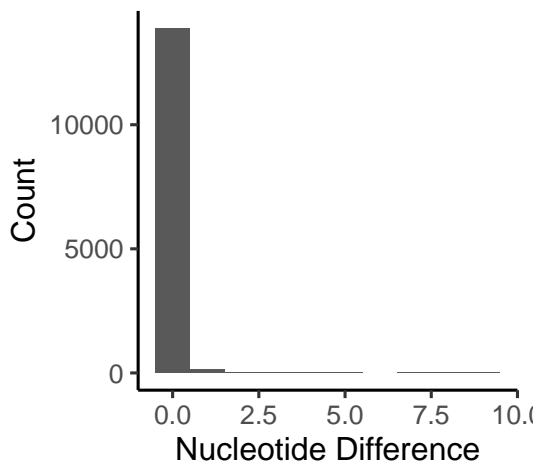
TRBV16*ap01

198 sequences assigned
197 (99.5%) exact matches, in which:
196 unique CDR3
13 unique J



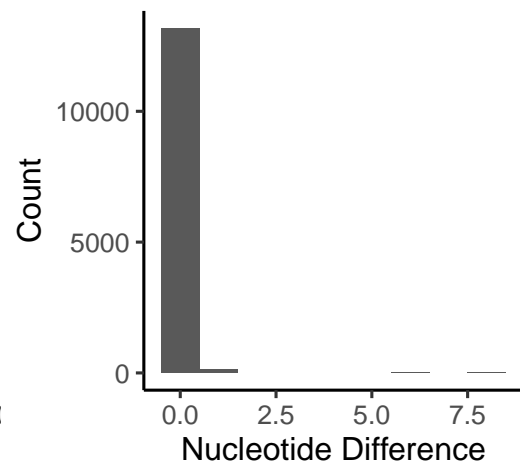
TRBV19*ap01

14047 sequences assigned
13890 (98.9%) exact matches, in which:
13703 unique CDR3
13 unique J



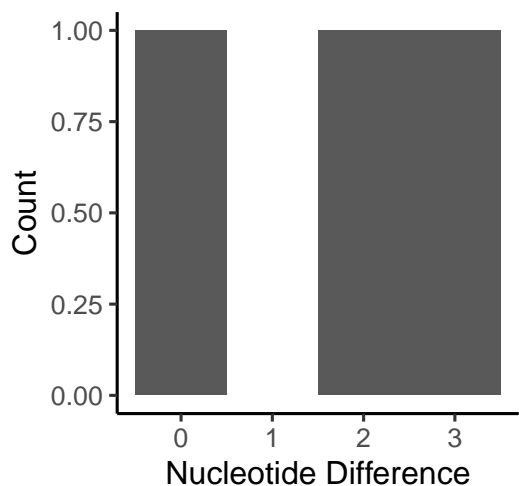
TRBV28*ap01

13317 sequences assigned
13178 (99%) exact matches, in which:
12851 unique CDR3
13 unique J



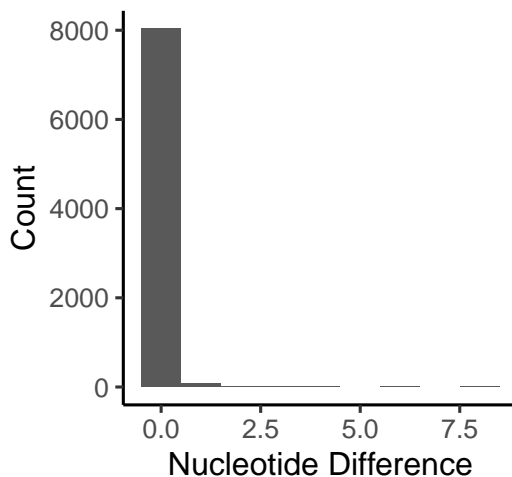
TRBV17*ap01

3 sequences assigned
1 (33.3%) exact matches, in which:
1 unique CDR3
1 unique J



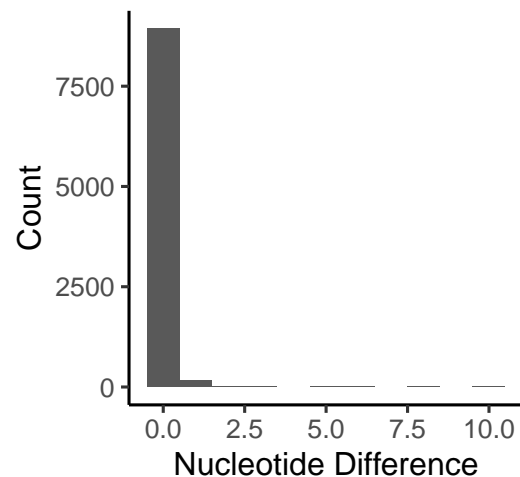
TRBV2*ap01

8127 sequences assigned
8034 (98.9%) exact matches, in which:
7857 unique CDR3
13 unique J



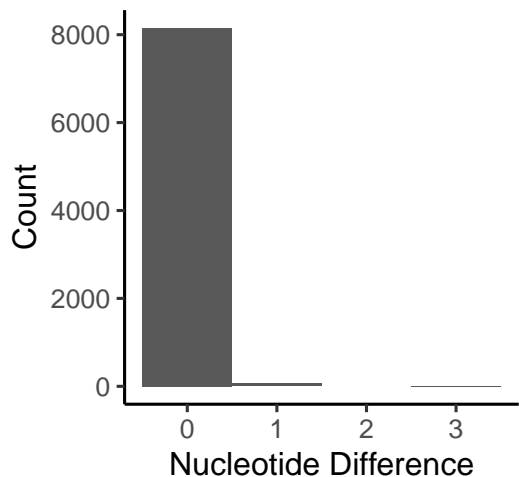
TRBV30*ap01

9098 sequences assigned
8933 (98.2%) exact matches, in which:
8803 unique CDR3
13 unique J



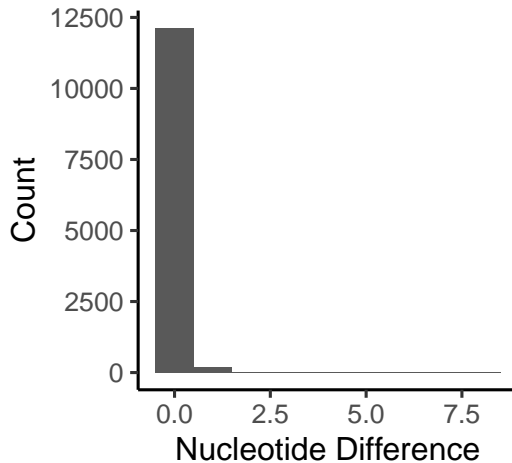
TRBV18*ap01

8212 sequences assigned
8151 (99.3%) exact matches, in which:
8010 unique CDR3
13 unique J



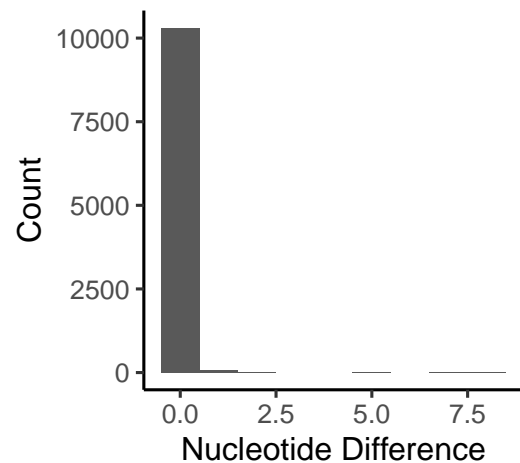
TRBV27*ap01

12333 sequences assigned
12135 (98.4%) exact matches, in which:
11837 unique CDR3
13 unique J



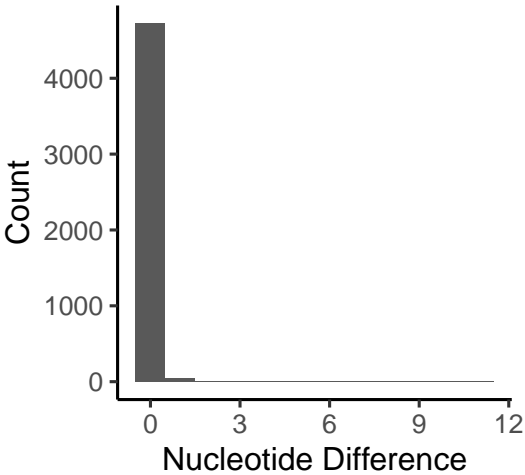
TRBV9*ap01

10403 sequences assigned
10308 (99.1%) exact matches, in which:
10095 unique CDR3
13 unique J



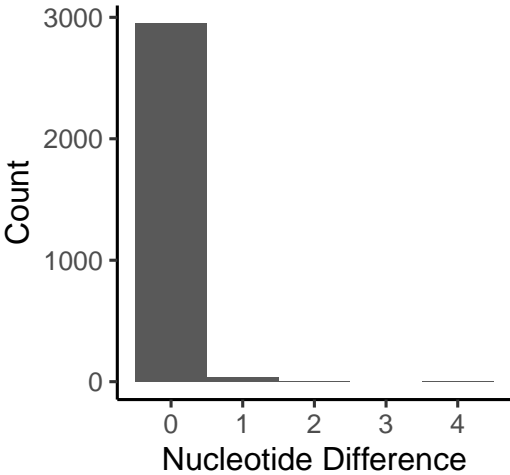
TRBV21-1*ap01

4803 sequences assigned
4723 (98.3%) exact matches, in which:
4626 unique CDR3
13 unique J



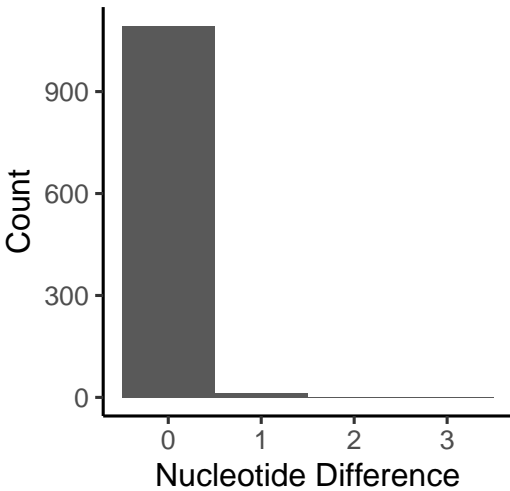
TRBV11-3*ap01

2986 sequences assigned
2950 (98.8%) exact matches, in which:
2890 unique CDR3
13 unique J



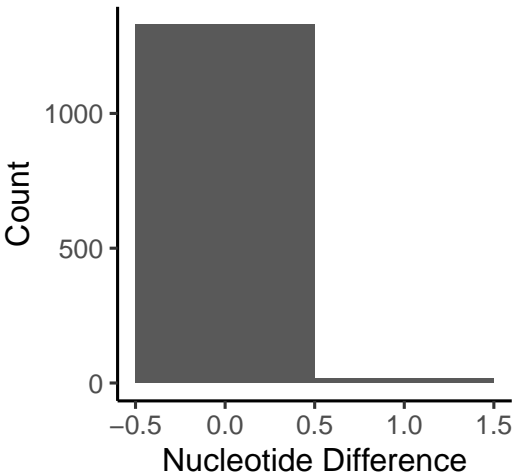
TRBV12-5*ap01

1109 sequences assigned
1094 (98.6%) exact matches, in which:
1067 unique CDR3
13 unique J



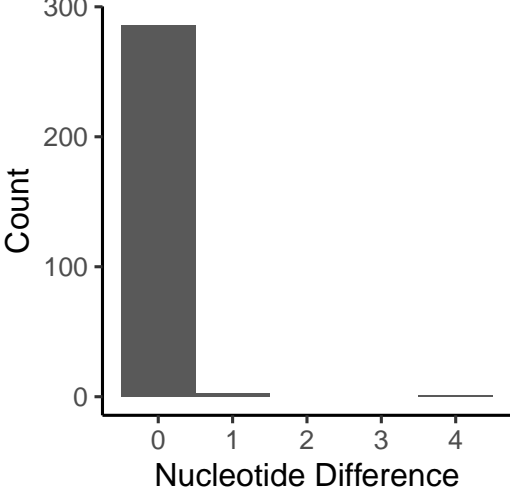
TRBV11-1*ap01

1344 sequences assigned
1329 (98.9%) exact matches, in which:
1297 unique CDR3
13 unique J



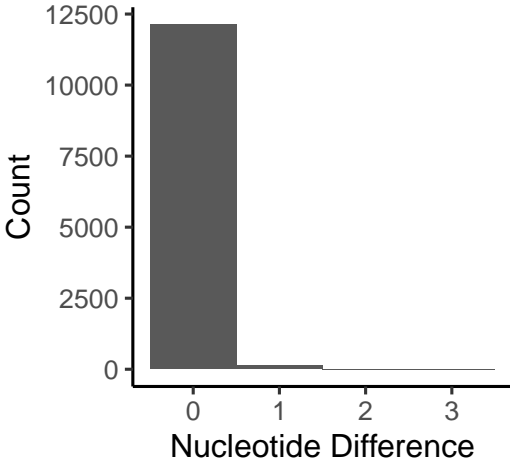
TRBV12-1*ap01

290 sequences assigned
286 (98.6%) exact matches, in which:
279 unique CDR3
13 unique J



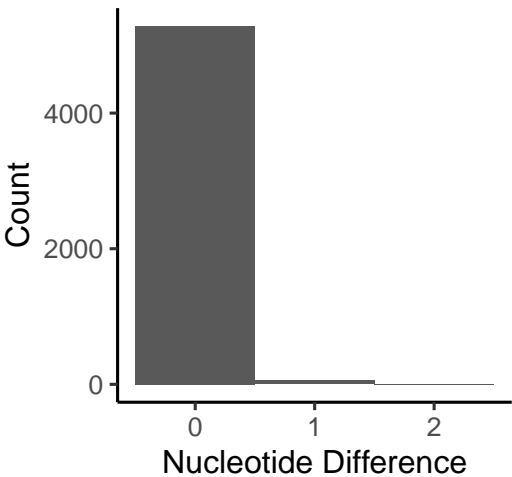
TRBV12-34*ap01

12268 sequences assigned
12133 (98.9%) exact matches, in which:
11844 unique CDR3
13 unique J



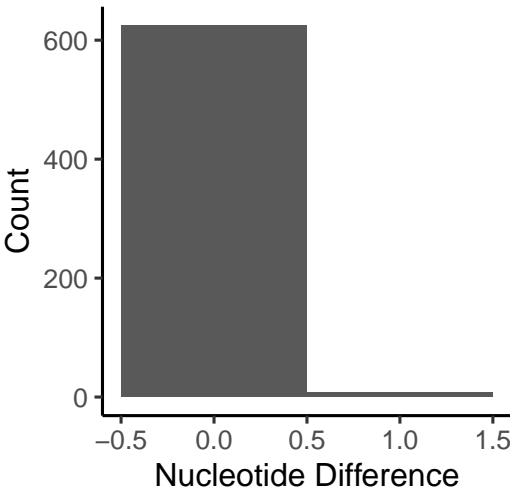
TRBV11-2*ap01

5344 sequences assigned
5284 (98.9%) exact matches, in which:
5144 unique CDR3
13 unique J



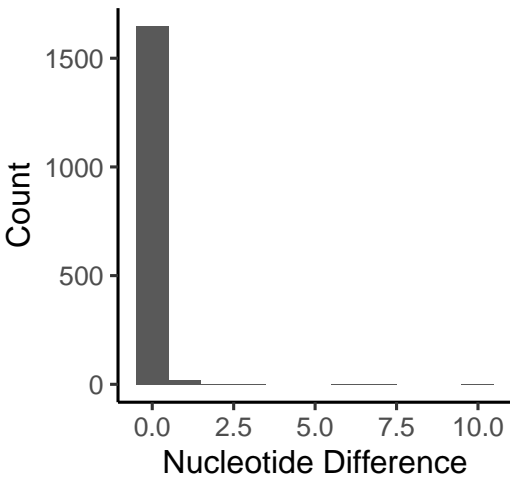
TRBV12-2*ap01

632 sequences assigned
625 (98.9%) exact matches, in which:
602 unique CDR3
13 unique J



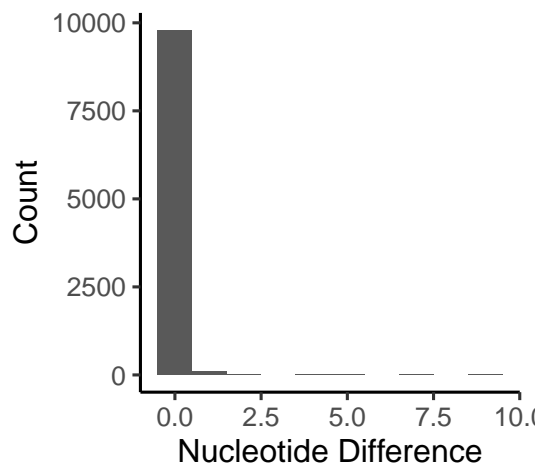
TRBV23-1*ap01

1676 sequences assigned
1648 (98.3%) exact matches, in which:
1604 unique CDR3
13 unique J



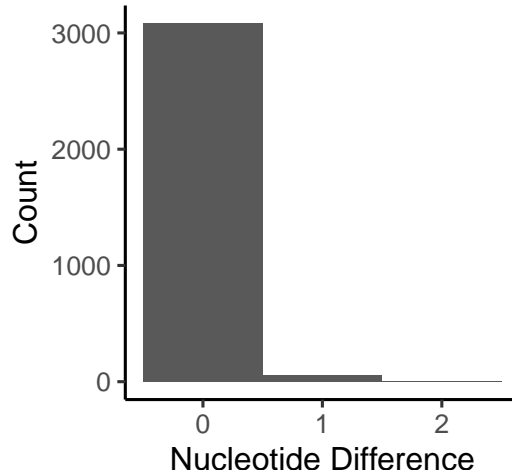
TRBV3-12*ap01

9912 sequences assigned
9792 (98.8%) exact matches, in which:
9527 unique CDR3
13 unique J



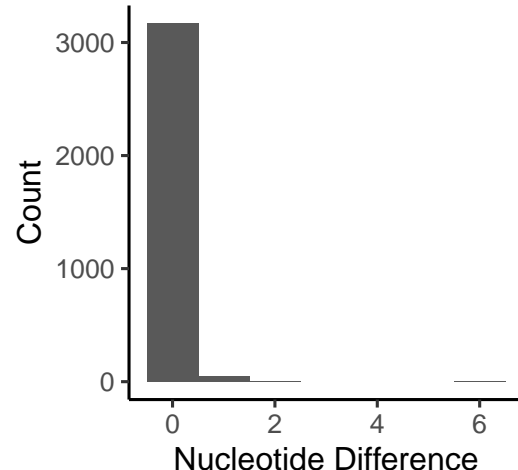
TRBV4-2*ap01

3142 sequences assigned
3082 (98.1%) exact matches, in which:
3023 unique CDR3
13 unique J



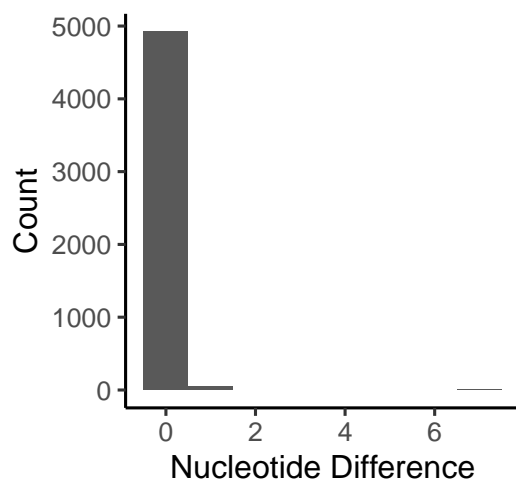
TRBV25-1*ap01

3224 sequences assigned
3169 (98.3%) exact matches, in which:
3109 unique CDR3
13 unique J



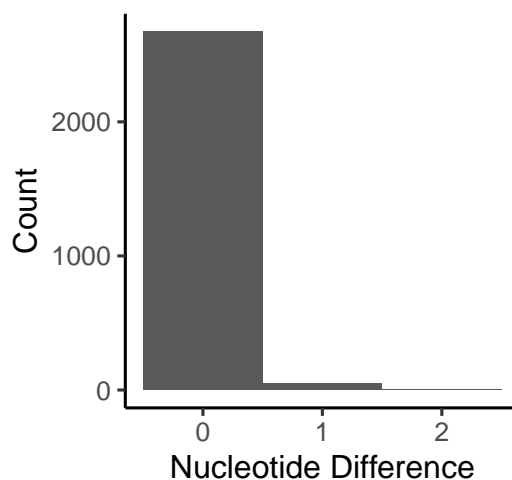
TRBV4-1*ap01

4971 sequences assigned
4922 (99%) exact matches, in which:
4803 unique CDR3
13 unique J



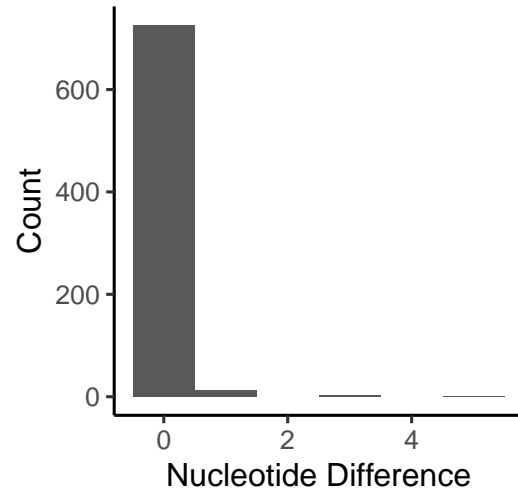
TRBV4-3*ap01

2719 sequences assigned
2672 (98.3%) exact matches, in which:
2609 unique CDR3
13 unique J



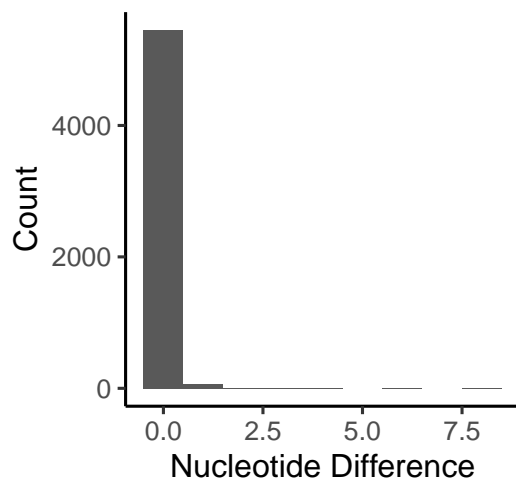
TRBV5-3*ap01

741 sequences assigned
726 (98%) exact matches, in which:
704 unique CDR3
13 unique J



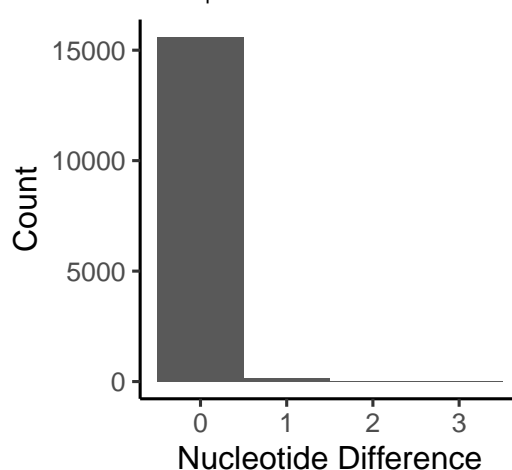
TRBV24-1*ap01

5523 sequences assigned
5452 (98.7%) exact matches, in which:
5348 unique CDR3
13 unique J



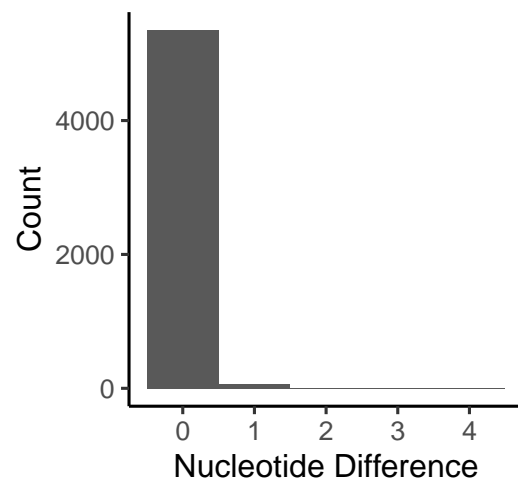
TRBV5-1*ap01

15761 sequences assigned
15606 (99%) exact matches, in which:
15156 unique CDR3
13 unique J



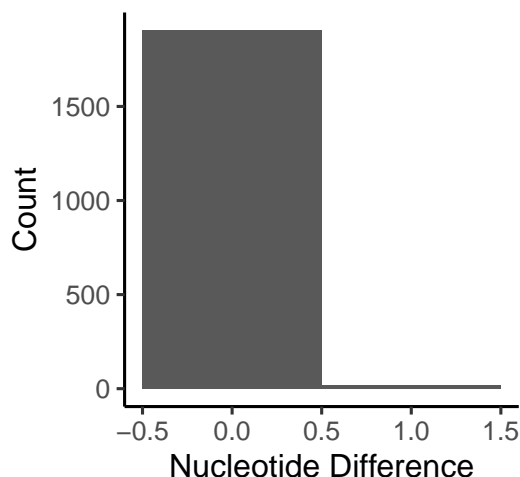
TRBV5-4*ap01

5426 sequences assigned
5352 (98.6%) exact matches, in which:
5223 unique CDR3
13 unique J



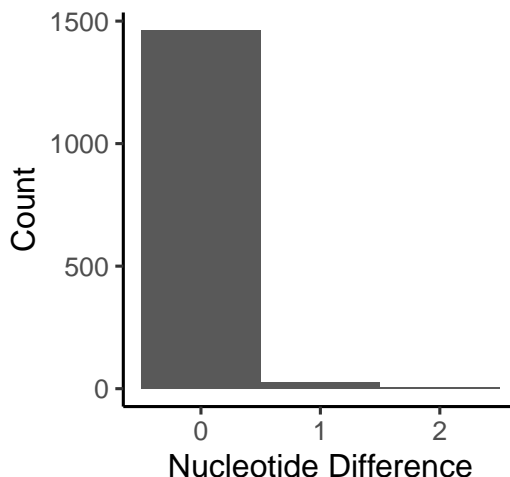
TRBV5-5*ap01

1925 sequences assigned
1904 (98.9%) exact matches, in which:
1874 unique CDR3
13 unique J



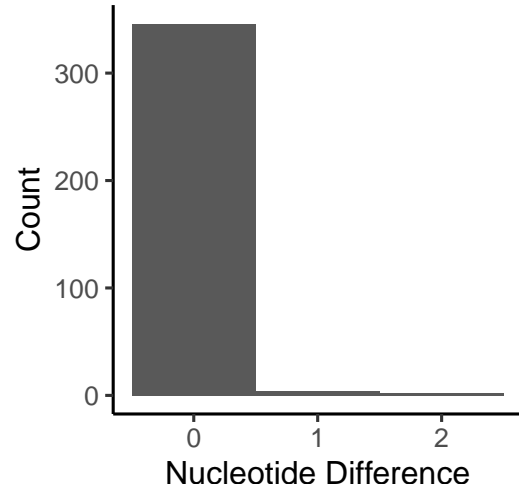
TRBV5-8*ap01

1492 sequences assigned
1462 (98%) exact matches, in which:
1445 unique CDR3
13 unique J



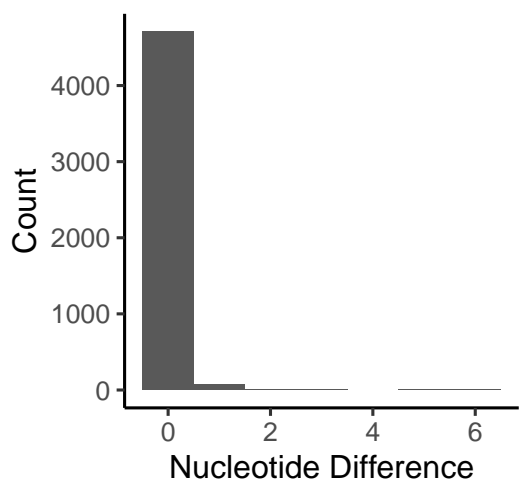
TRBV6-7*ap01

352 sequences assigned
346 (98.3%) exact matches, in which:
338 unique CDR3
13 unique J



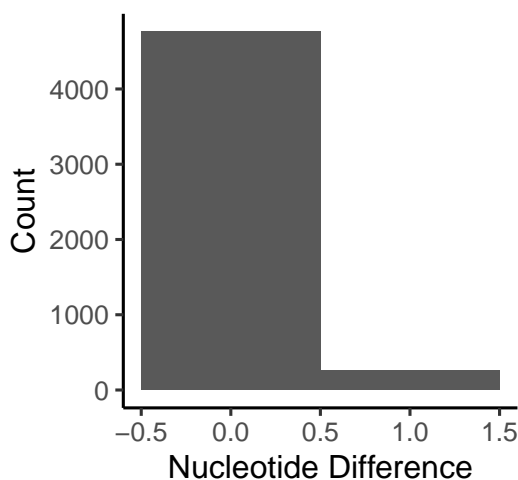
TRBV5-6*ap01

4783 sequences assigned
4707 (98.4%) exact matches, in which:
4558 unique CDR3
13 unique J



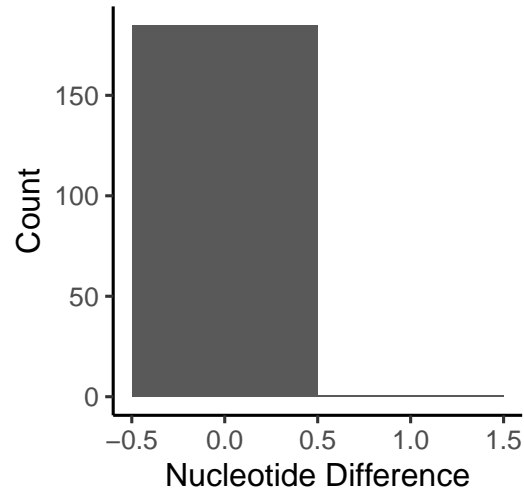
TRBV6-1*ap01

5024 sequences assigned
4761 (94.8%) exact matches, in which:
4614 unique CDR3
13 unique J



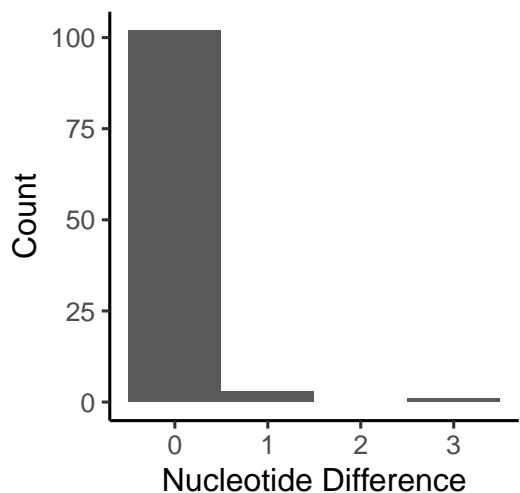
TRBV6-8*ap01

186 sequences assigned
185 (99.5%) exact matches, in which:
180 unique CDR3
12 unique J



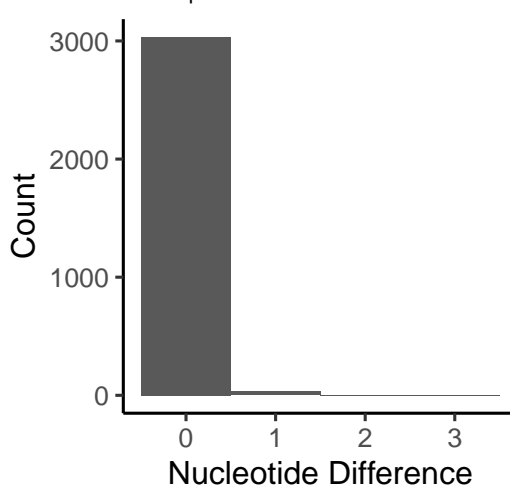
TRBV5-7*ap01

106 sequences assigned
102 (96.2%) exact matches, in which:
100 unique CDR3
12 unique J



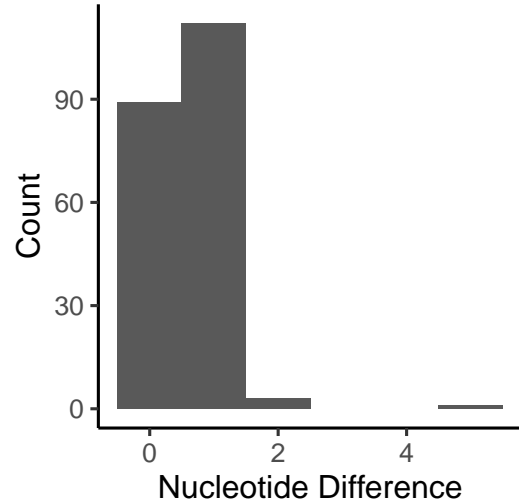
TRBV6-4*ap01

3073 sequences assigned
3033 (98.7%) exact matches, in which:
2975 unique CDR3
13 unique J



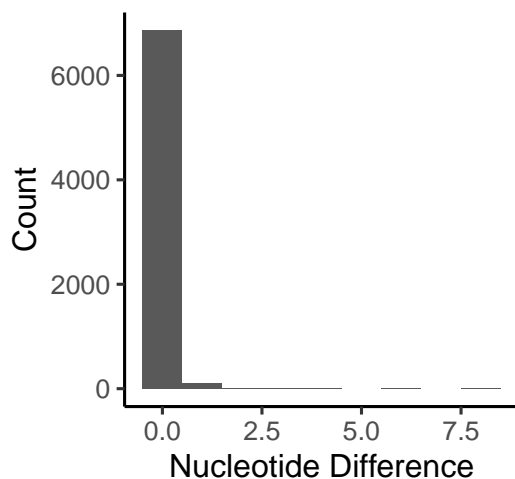
TRBV6-9*ap01

205 sequences assigned
89 (43.4%) exact matches, in which:
82 unique CDR3
11 unique J



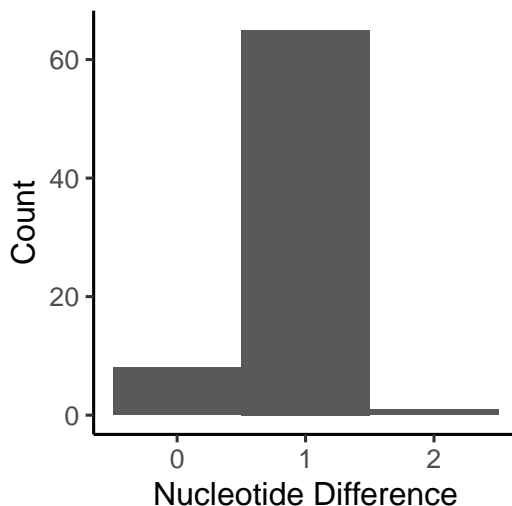
TRBV6-23*ap01

6973 sequences assigned
6862 (98.4%) exact matches, in which:
6674 unique CDR3
13 unique J



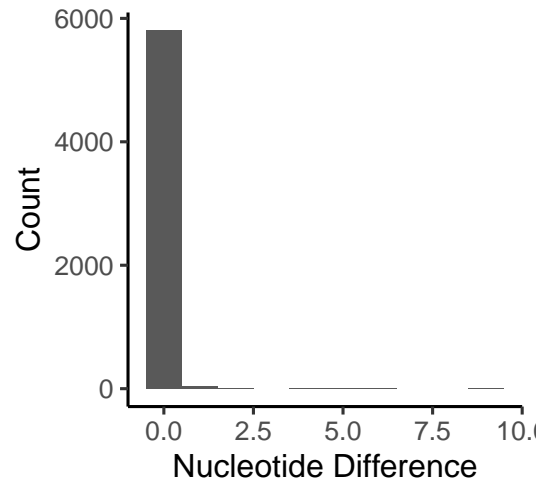
TRBV7-1*ap01_T296C

74 sequences assigned
8 (10.8%) exact matches, in which:
8 unique CDR3
4 unique J



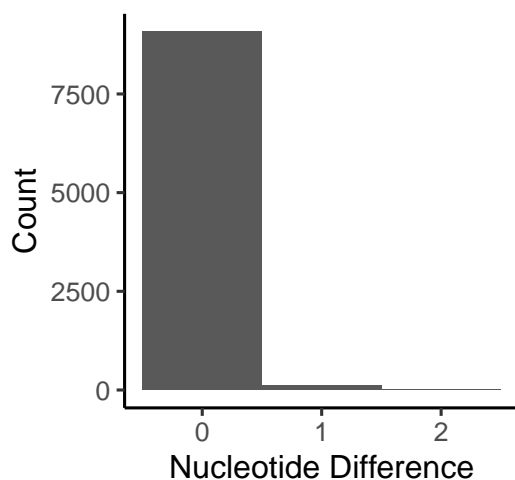
TRBV7-3*ap01

5859 sequences assigned
5805 (99.1%) exact matches, in which:
5713 unique CDR3
13 unique J



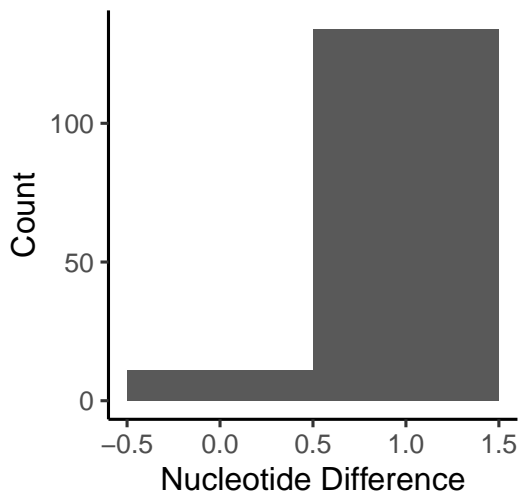
TRBV6-56*ap01

9189 sequences assigned
9077 (98.8%) exact matches, in which:
8818 unique CDR3
13 unique J



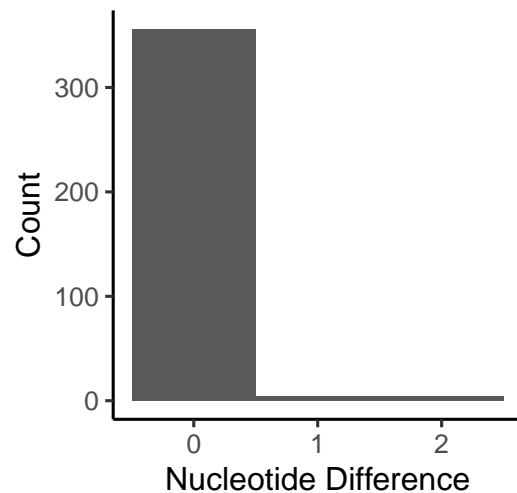
TRBV7-1*ap01_T296C_()

145 sequences assigned
11 (7.6%) exact matches, in which:
10 unique CDR3
6 unique J



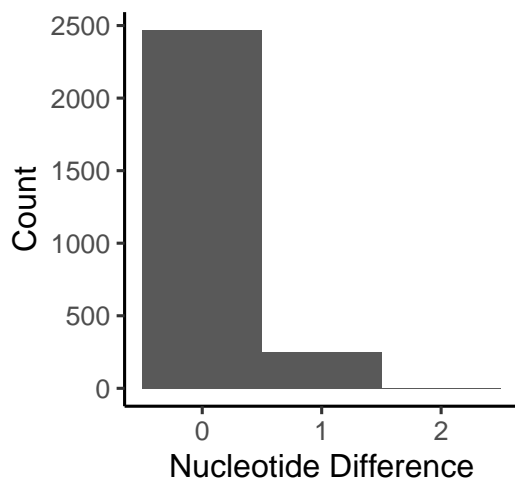
TRBV7-4*ap01

364 sequences assigned
356 (97.8%) exact matches, in which:
351 unique CDR3
13 unique J



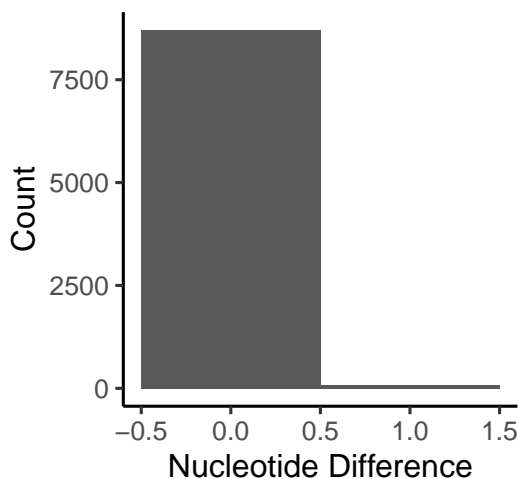
TRBV6-56*ap02

2721 sequences assigned
2469 (90.7%) exact matches, in which:
2406 unique CDR3
14 unique J



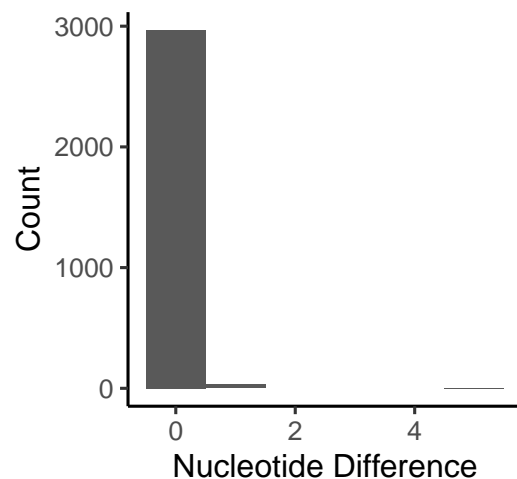
TRBV7-2*ap01

8784 sequences assigned
8707 (99.1%) exact matches, in which:
8510 unique CDR3
13 unique J



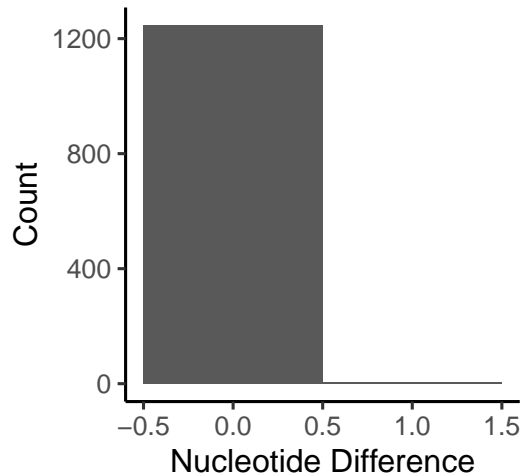
TRBV7-6*ap01

3001 sequences assigned
2968 (98.9%) exact matches, in which:
2905 unique CDR3
13 unique J



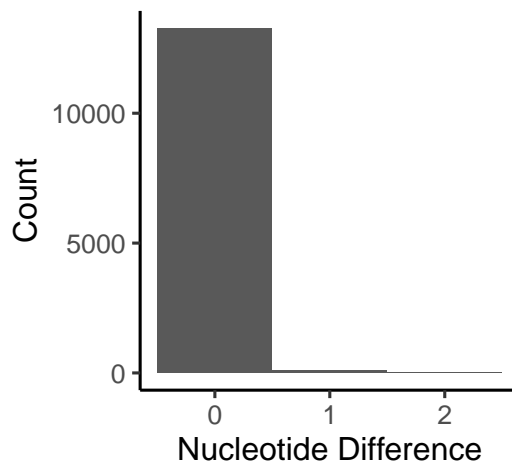
TRBV7-7*ap01

1253 sequences assigned
1246 (99.4%) exact matches, in which:
1218 unique CDR3
13 unique J



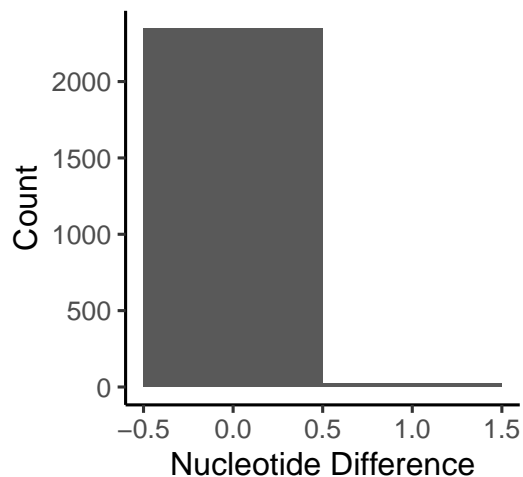
TRBV7-9*ap01

13385 sequences assigned
13276 (99.2%) exact matches, in which:
13086 unique CDR3
13 unique J



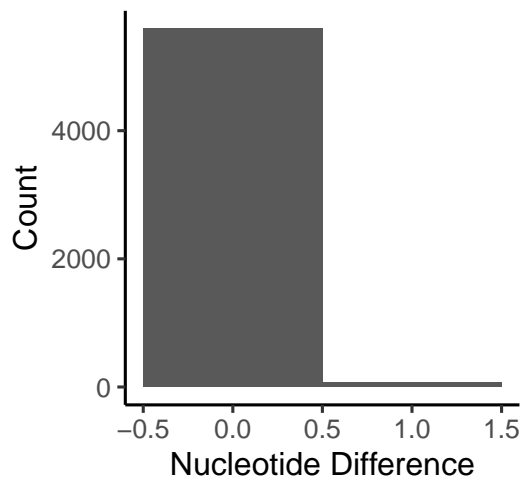
TRBV7-8*ap01

2372 sequences assigned
2346 (98.9%) exact matches, in which:
2283 unique CDR3
13 unique J



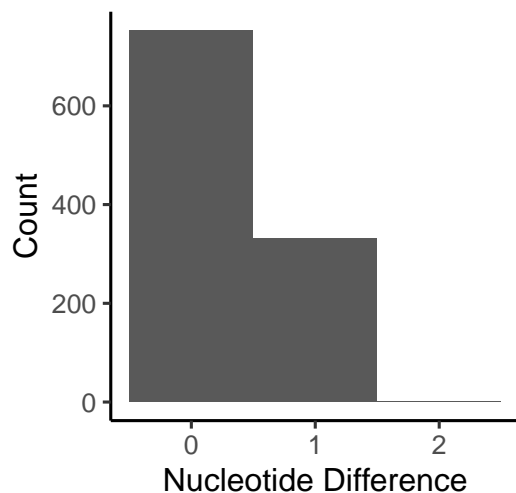
TRBV29-1*ap01

5659 sequences assigned
5591 (98.8%) exact matches, in which:
5468 unique CDR3
13 unique J



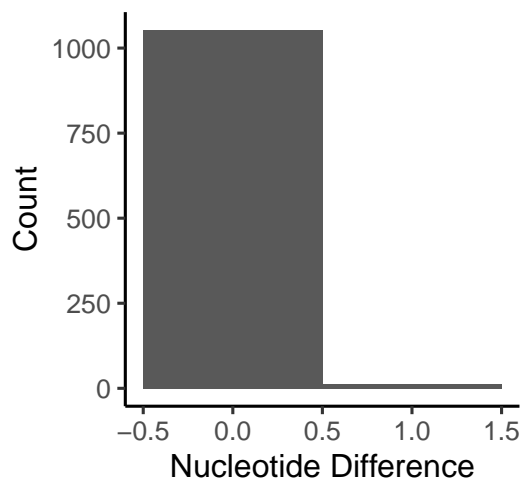
TRBV7-8*ap03

1086 sequences assigned
753 (69.3%) exact matches, in which:
740 unique CDR3
13 unique J

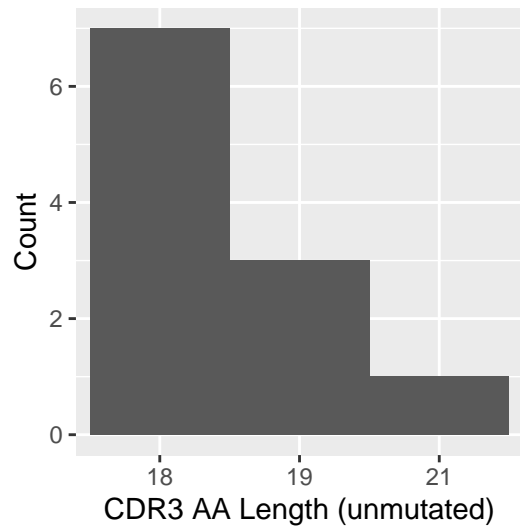


TRBV29-1*ap02

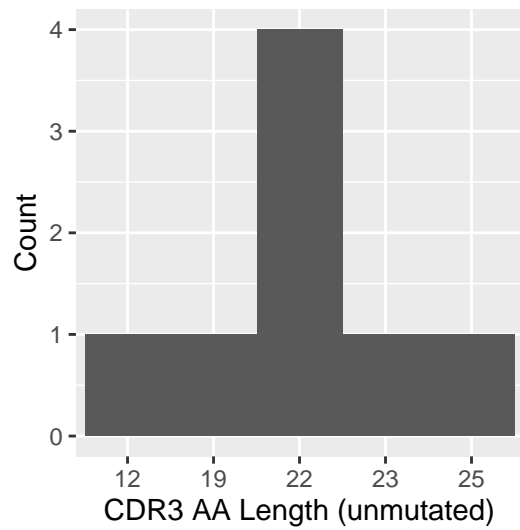
1066 sequences assigned
1053 (98.8%) exact matches, in which:
1041 unique CDR3
13 unique J



TRBV7-1*ap01_T296C_C314T



TRBV7-1*ap01_T296C





[illegible]