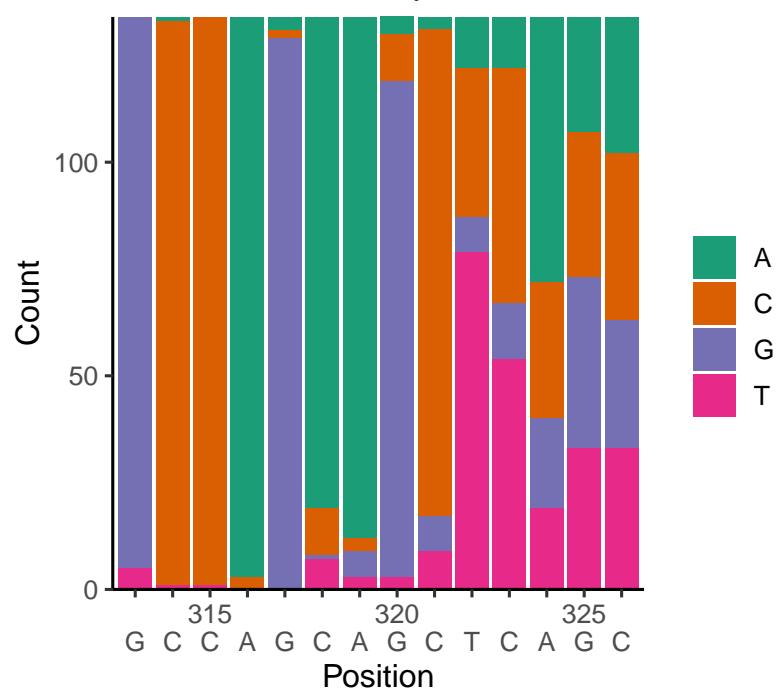
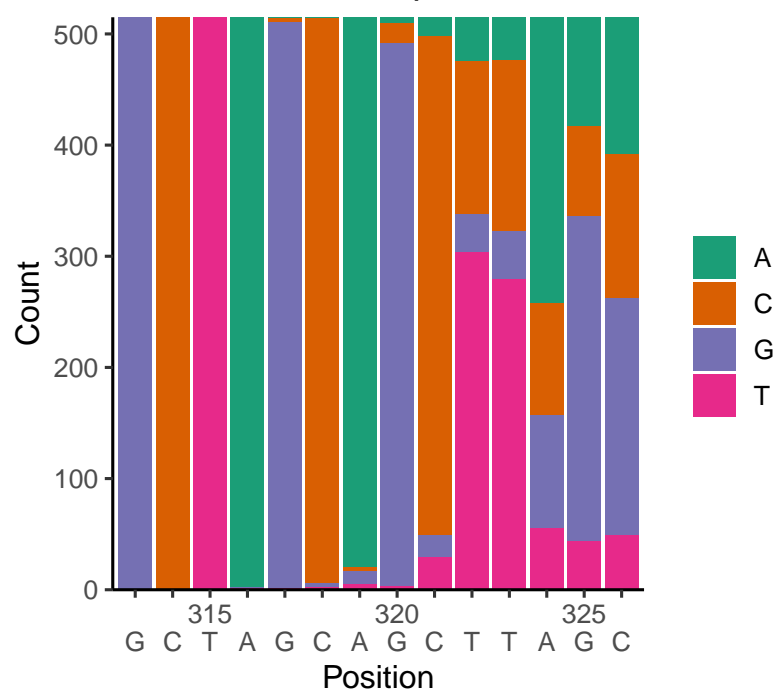


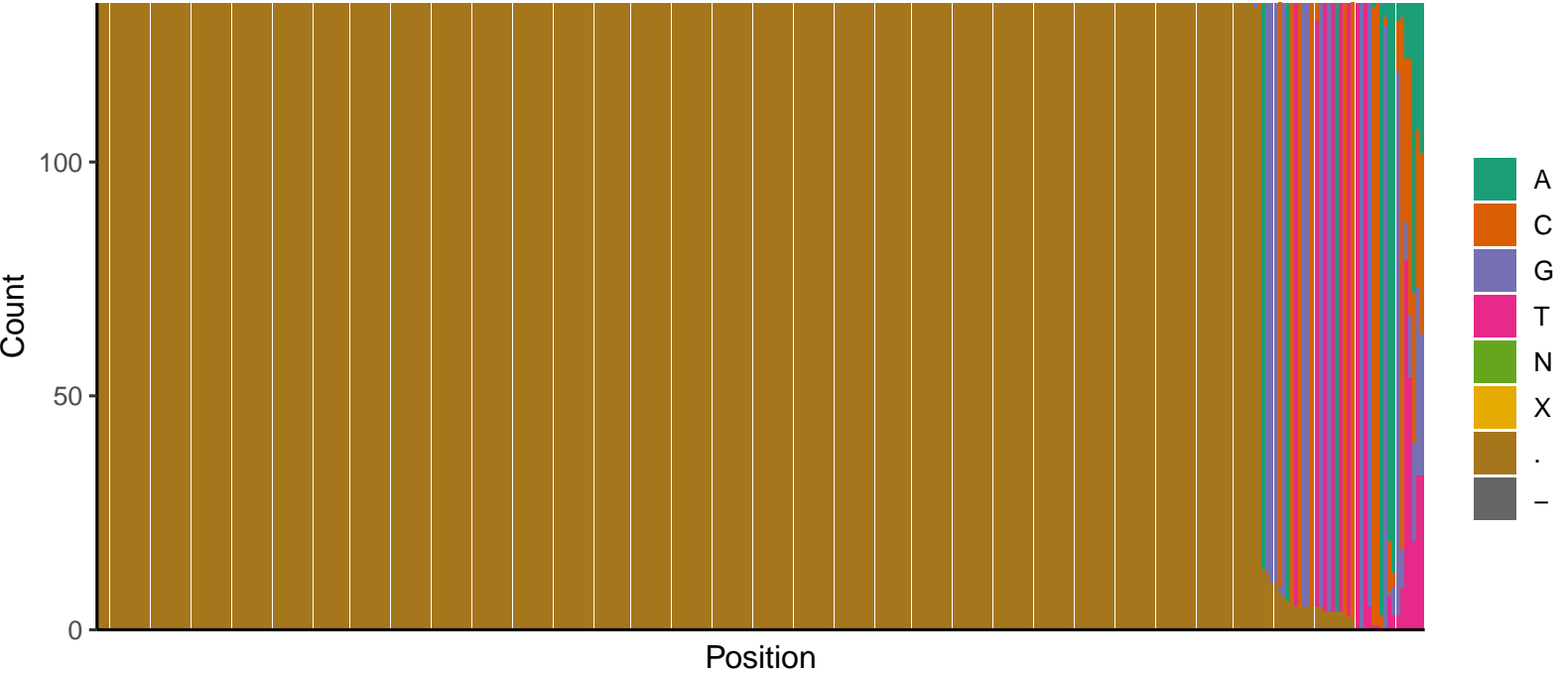
Gene TRBV7-1*ap01_G291C_T296C



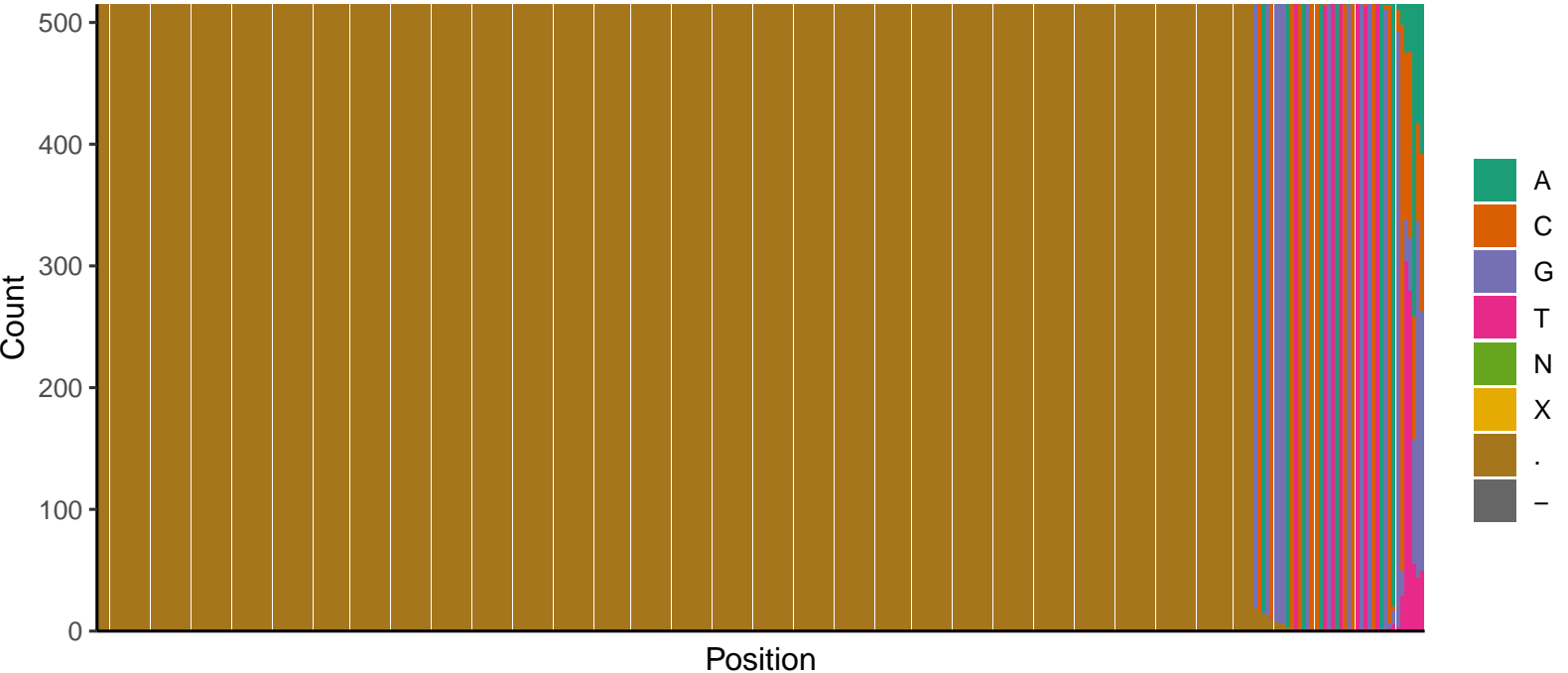
Gene TRBV7-7*ap01_C315T



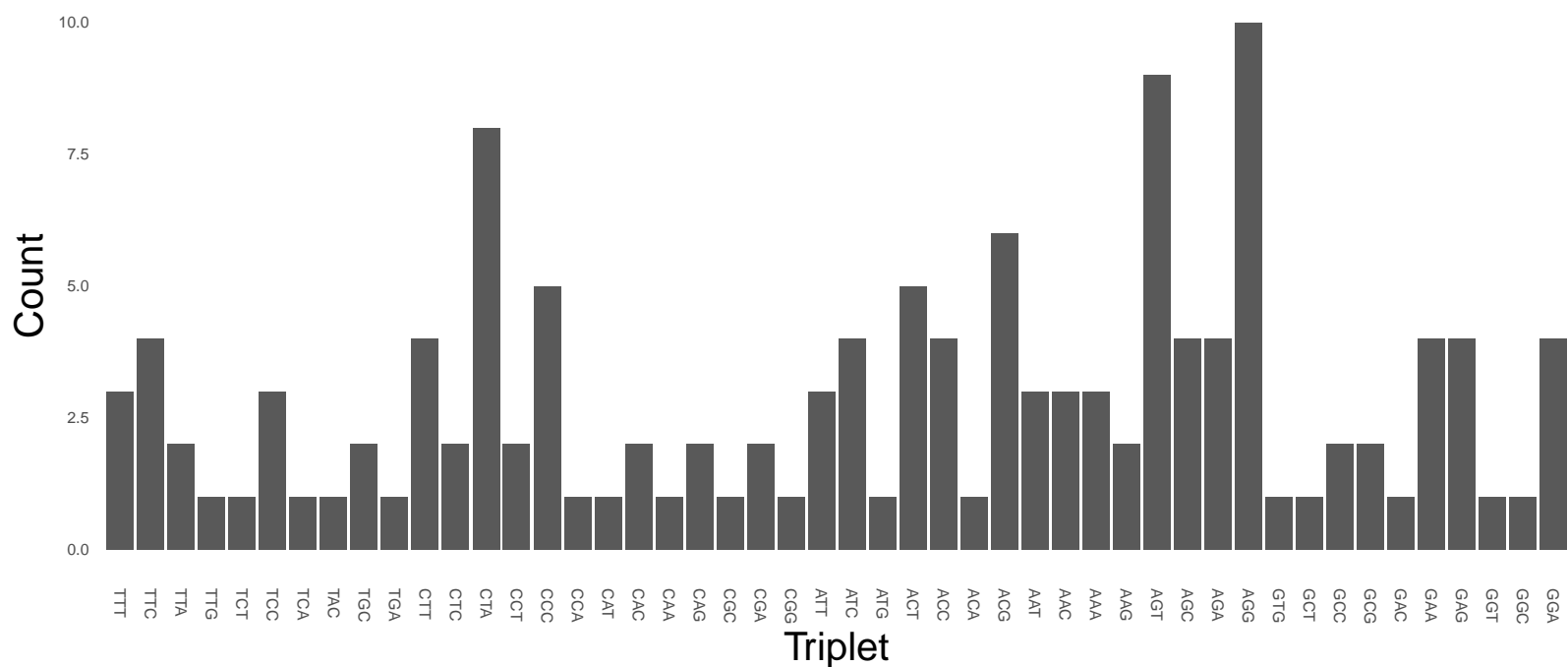
Gene TRBV7-1*ap01_G291C_T296C



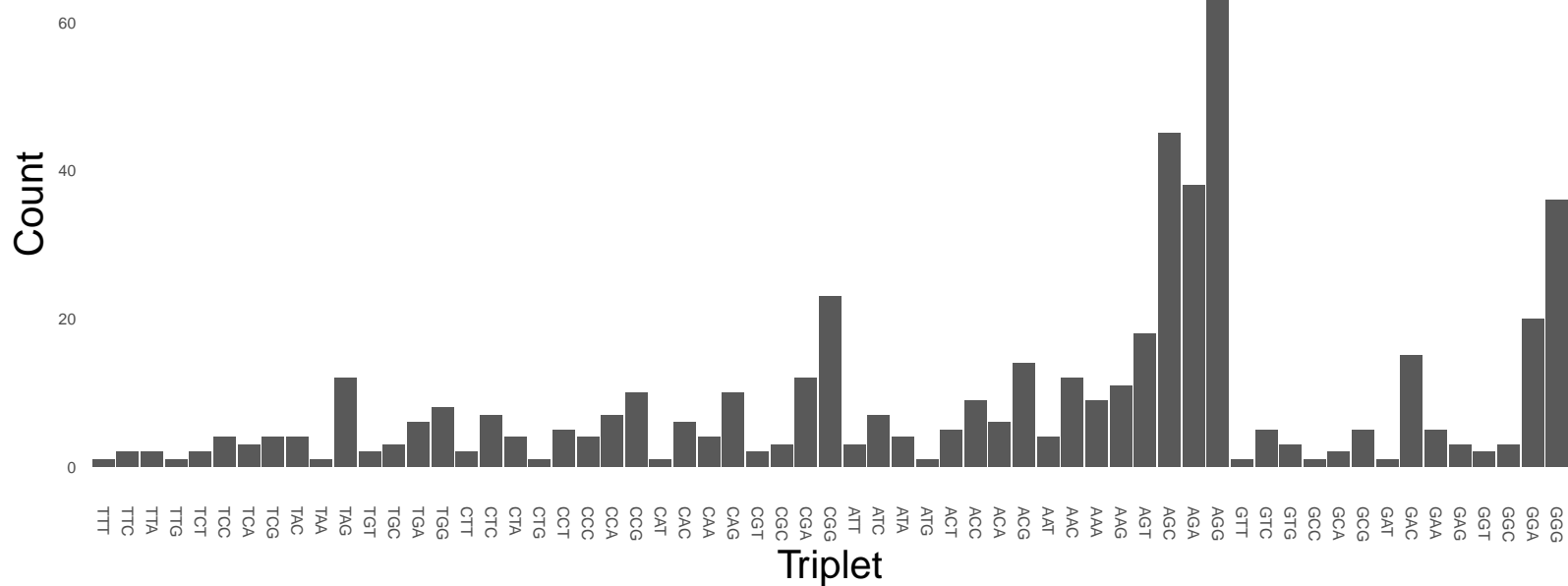
Gene TRBV7-7*ap01_C315T



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

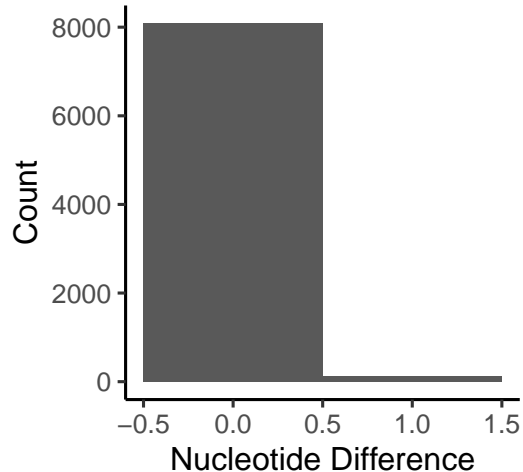


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



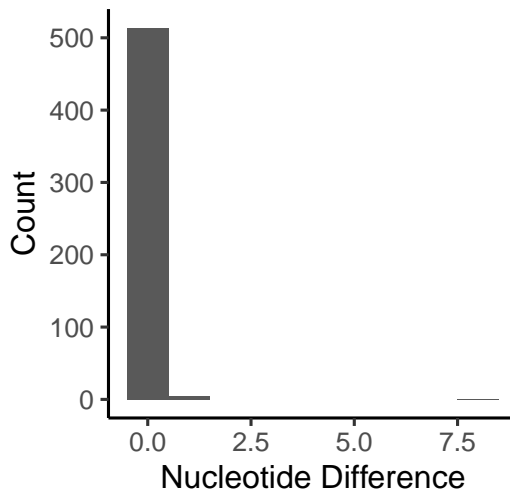
TRBV20-1*ap01

8203 sequences assigned
8085 (98.6%) exact matches, in which:
7891 unique CDR3
13 unique J



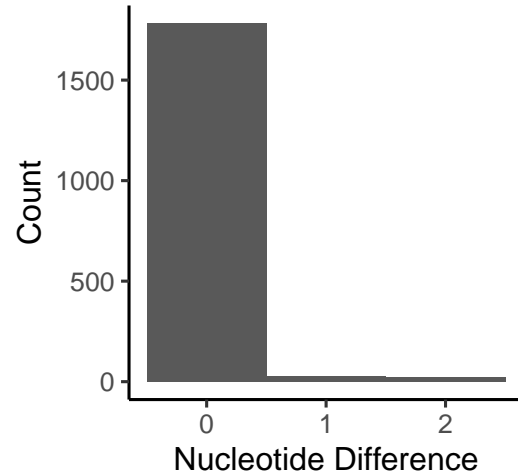
TRBV10-2*ap01

520 sequences assigned
514 (98.8%) exact matches, in which:
506 unique CDR3
13 unique J



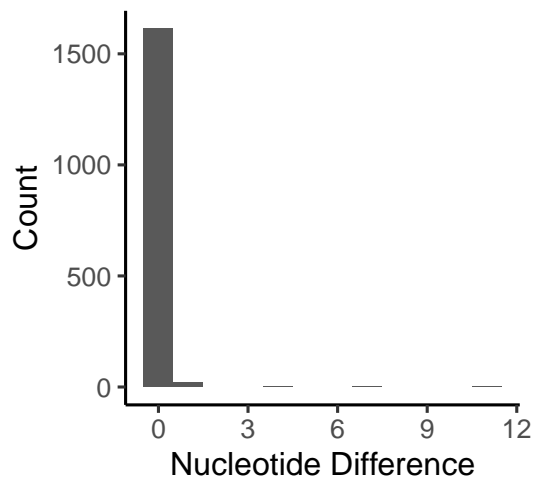
TRBV13*ap01

1830 sequences assigned
1782 (97.4%) exact matches, in which:
1732 unique CDR3
13 unique J



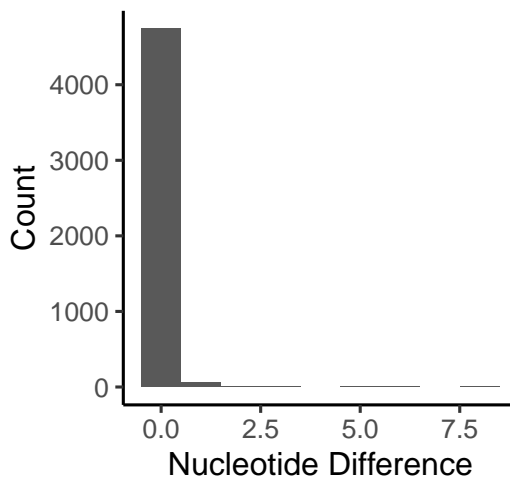
TRBV10-1*ap01

1636 sequences assigned
1613 (98.6%) exact matches, in which:
1570 unique CDR3
13 unique J



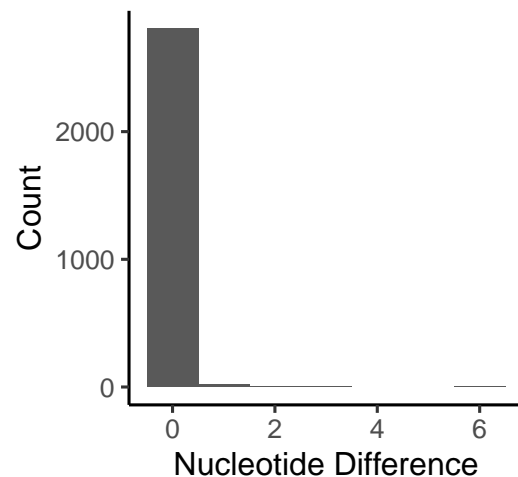
TRBV10-3*ap01

4805 sequences assigned
4741 (98.7%) exact matches, in which:
4617 unique CDR3
13 unique J



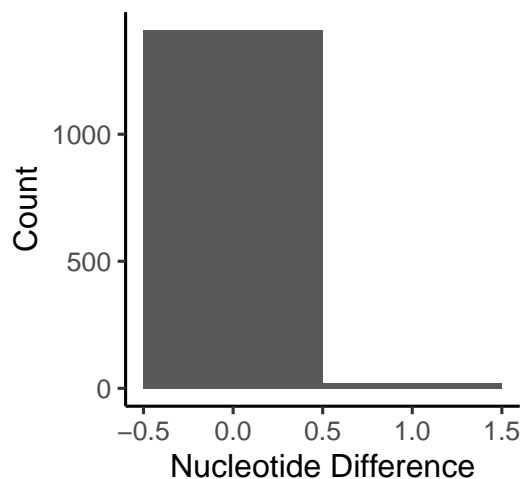
TRBV14*ap01

2829 sequences assigned
2806 (99.2%) exact matches, in which:
2735 unique CDR3
13 unique J



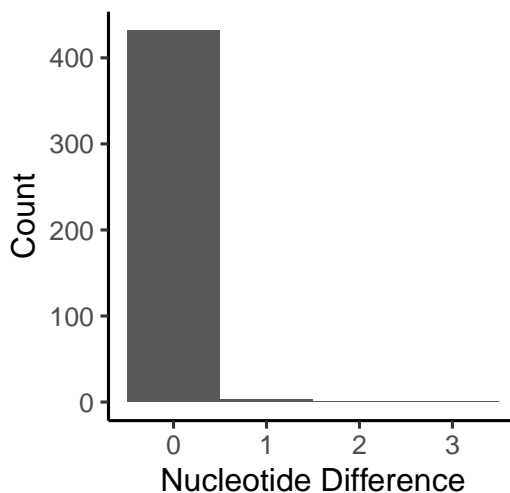
TRBV20-1*ap02

1431 sequences assigned
1410 (98.5%) exact matches, in which:
1380 unique CDR3
13 unique J



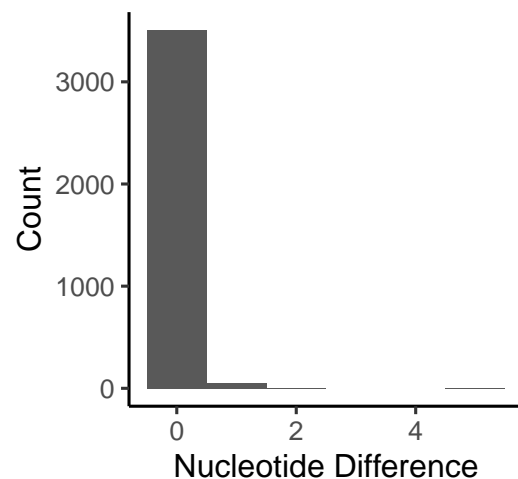
TRBV1*ap01

437 sequences assigned
432 (98.9%) exact matches, in which:
417 unique CDR3
13 unique J



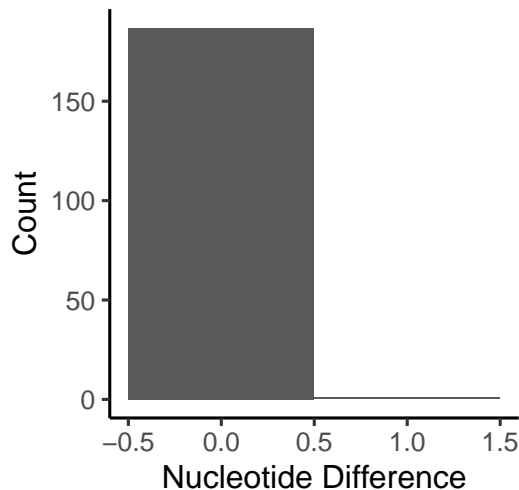
TRBV15*ap02

3564 sequences assigned
3507 (98.4%) exact matches, in which:
3407 unique CDR3
13 unique J



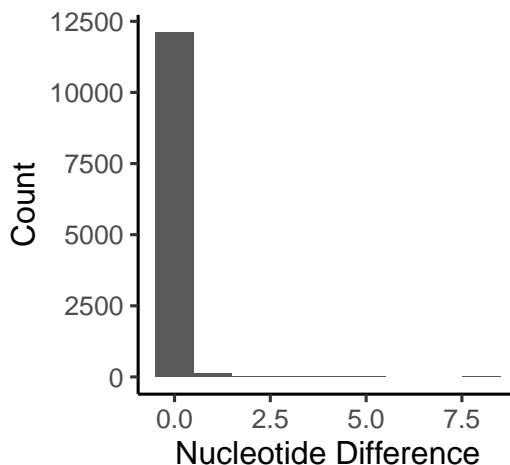
TRBV16*ap01

188 sequences assigned
187 (99.5%) exact matches, in which:
185 unique CDR3
13 unique J



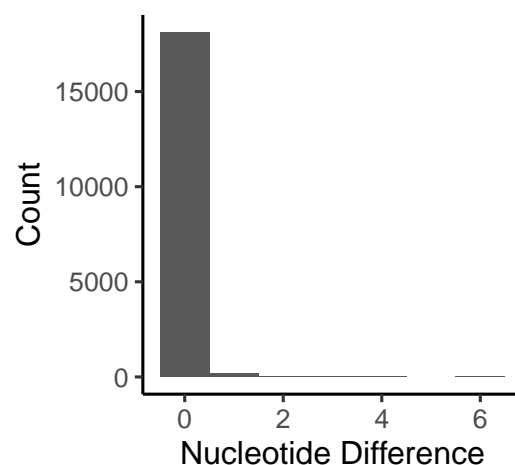
TRBV19*ap01

12265 sequences assigned
12119 (98.8%) exact matches, in which:
11934 unique CDR3
13 unique J



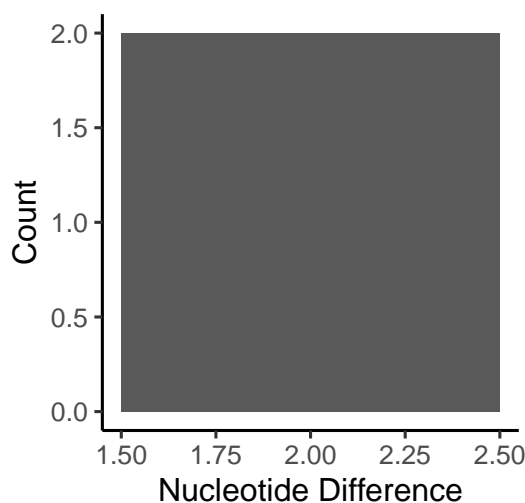
TRBV28*ap01

18343 sequences assigned
18123 (98.8%) exact matches, in which:
17639 unique CDR3
13 unique J



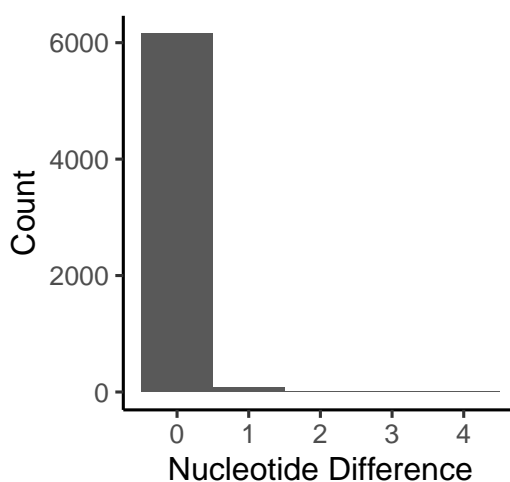
TRBV17*ap01

2 sequences assigned
No exact matches.



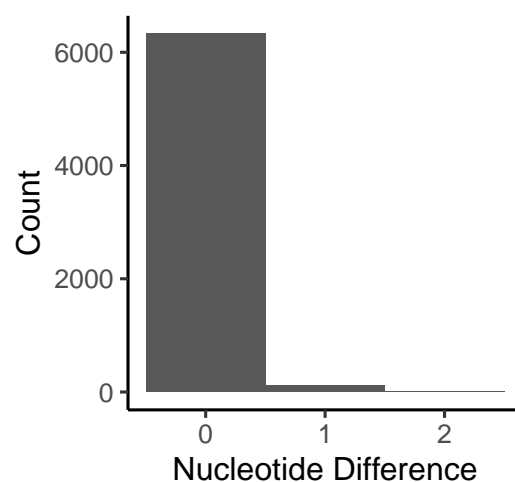
TRBV2*ap01

6246 sequences assigned
6154 (98.5%) exact matches, in which:
6018 unique CDR3
13 unique J



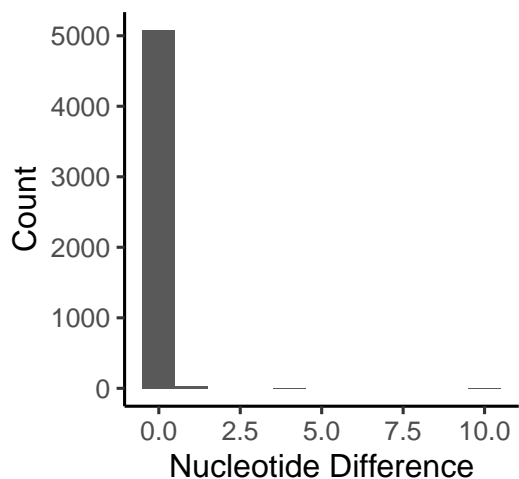
TRBV30*ap01

6451 sequences assigned
6328 (98.1%) exact matches, in which:
6239 unique CDR3
13 unique J



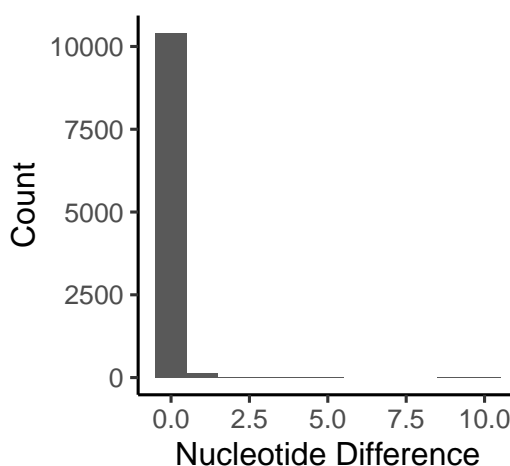
TRBV18*ap01

5113 sequences assigned
5081 (99.4%) exact matches, in which:
4987 unique CDR3
13 unique J



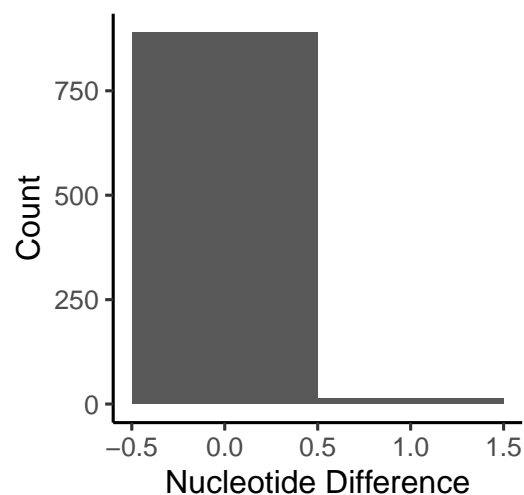
TRBV27*ap01

10560 sequences assigned
10413 (98.6%) exact matches, in which:
10108 unique CDR3
13 unique J



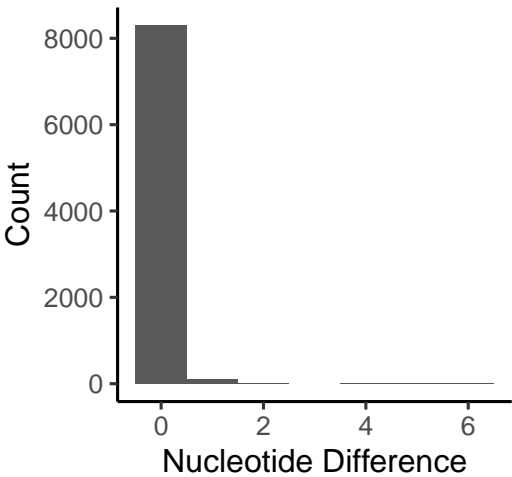
TRBV30*ap03

904 sequences assigned
890 (98.5%) exact matches, in which:
877 unique CDR3
13 unique J



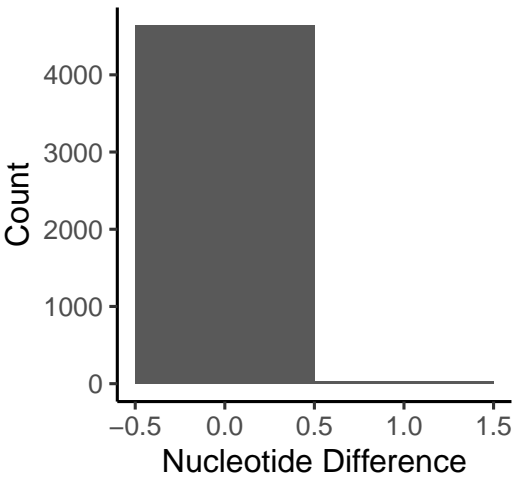
TRBV9*ap01

8400 sequences assigned
8299 (98.8%) exact matches, in which:
8104 unique CDR3
13 unique J



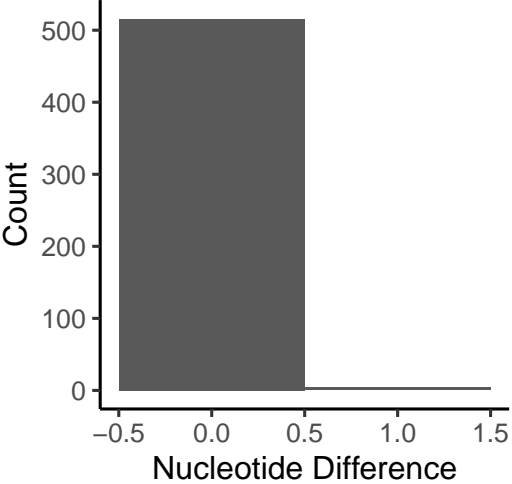
TRBV11-2*ap01

4676 sequences assigned
4640 (99.2%) exact matches, in which:
4520 unique CDR3
13 unique J



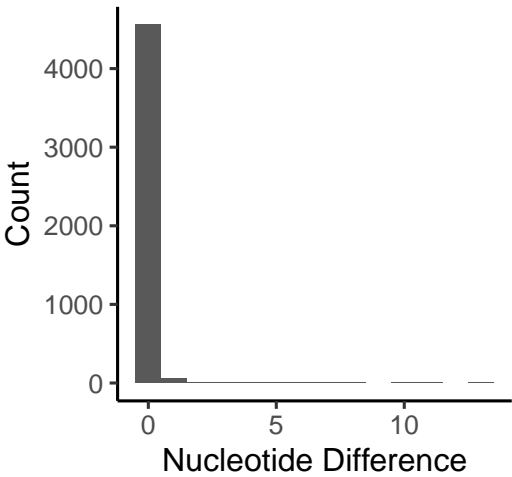
TRBV12-2*ap01

520 sequences assigned
516 (99.2%) exact matches, in which:
501 unique CDR3
13 unique J



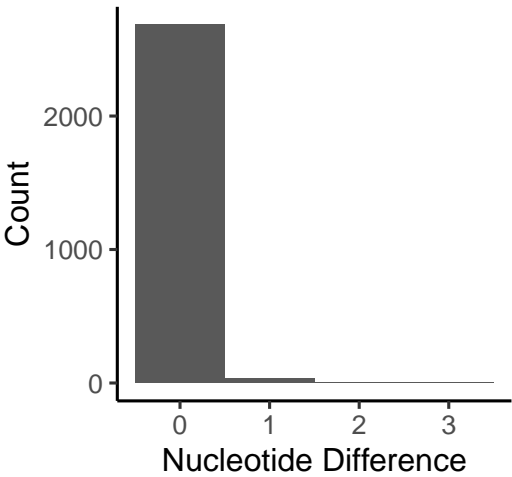
TRBV21-1*ap01

4639 sequences assigned
4558 (98.3%) exact matches, in which:
4442 unique CDR3
13 unique J



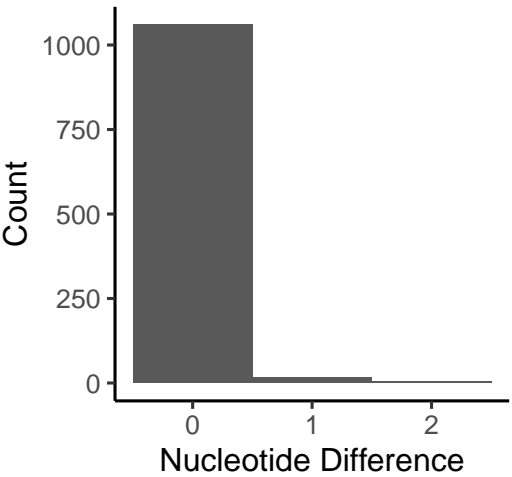
TRBV11-3*ap01

2724 sequences assigned
2684 (98.5%) exact matches, in which:
2625 unique CDR3
13 unique J



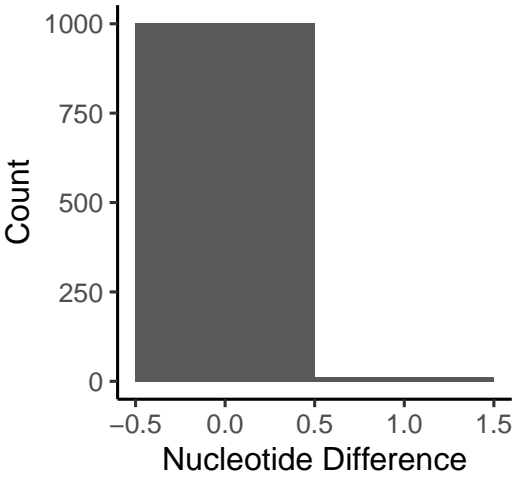
TRBV12-5*ap01

1080 sequences assigned
1060 (98.1%) exact matches, in which:
1044 unique CDR3
13 unique J



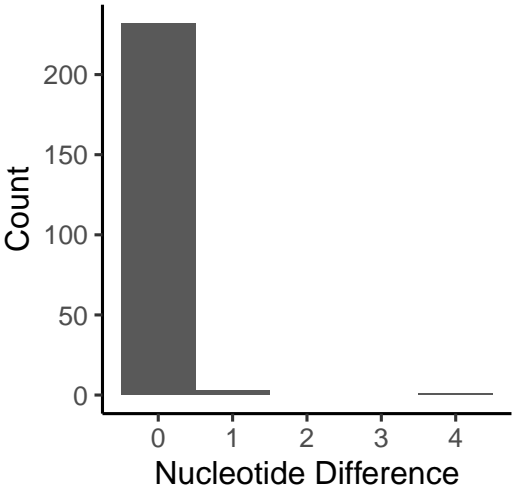
TRBV11-1*ap01

1014 sequences assigned
1002 (98.8%) exact matches, in which:
975 unique CDR3
13 unique J



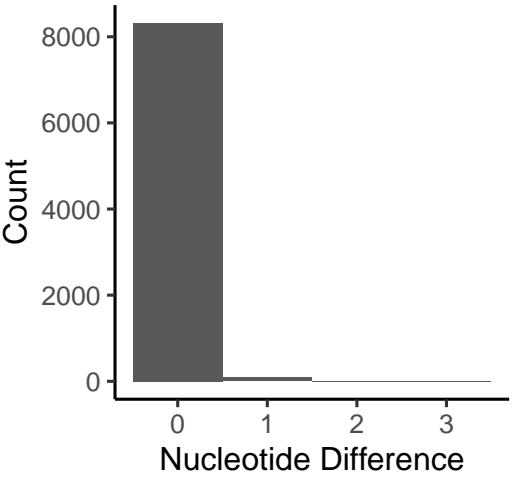
TRBV12-1*ap01

236 sequences assigned
232 (98.3%) exact matches, in which:
226 unique CDR3
13 unique J



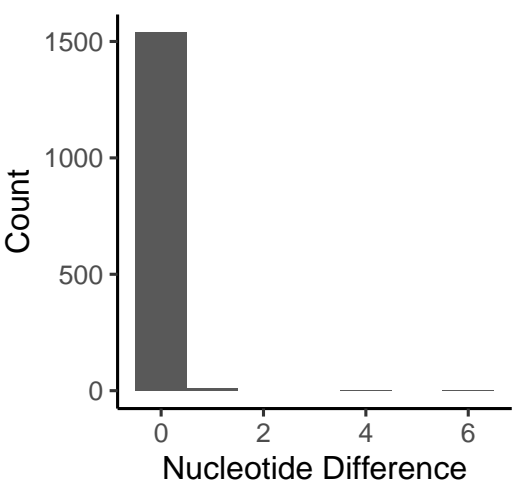
TRBV12-34*ap01

8410 sequences assigned
8318 (98.9%) exact matches, in which:
8110 unique CDR3
13 unique J



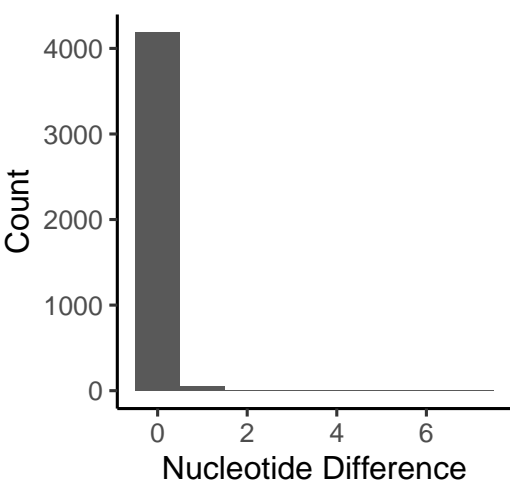
TRBV23-1*ap01

1555 sequences assigned
1539 (99%) exact matches, in which:
1508 unique CDR3
13 unique J



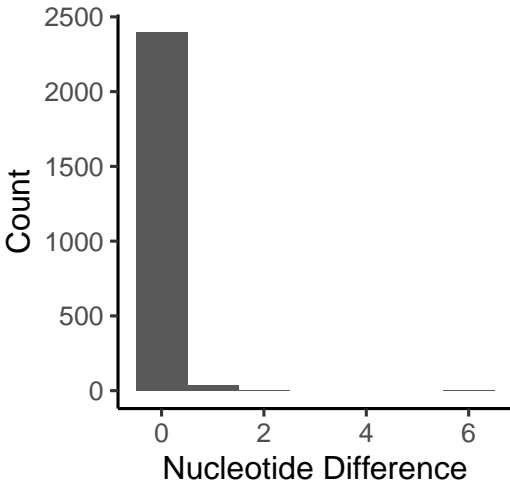
TRBV24-1*ap01

4250 sequences assigned
4187 (98.5%) exact matches, in which:
4118 unique CDR3
13 unique J



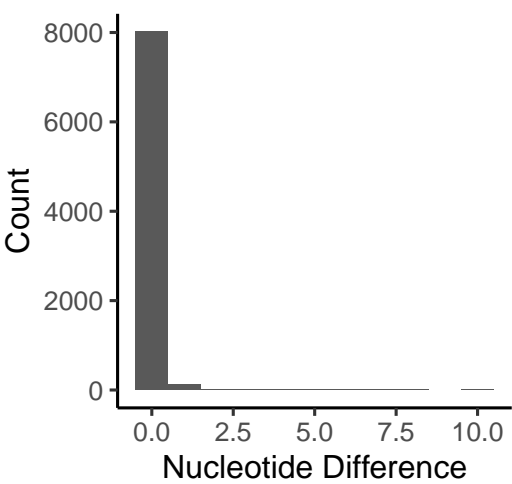
TRBV25-1*ap01

2434 sequences assigned
2396 (98.4%) exact matches, in which:
2343 unique CDR3
13 unique J



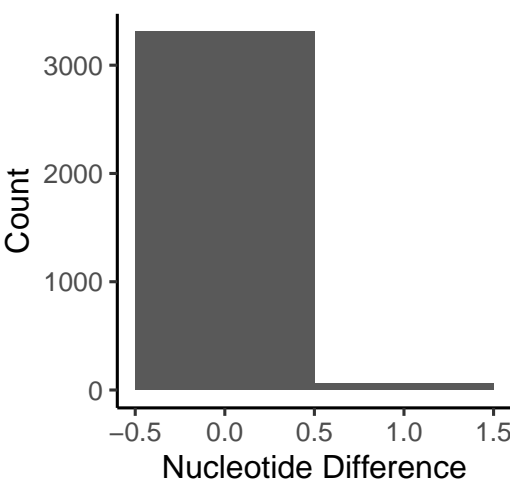
TRBV3-12*ap01

8144 sequences assigned
8017 (98.4%) exact matches, in which:
7801 unique CDR3
13 unique J



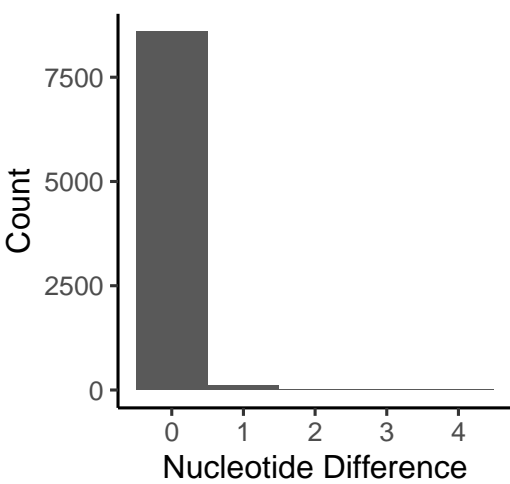
TRBV4-2*ap01

3368 sequences assigned
3309 (98.2%) exact matches, in which:
3232 unique CDR3
13 unique J



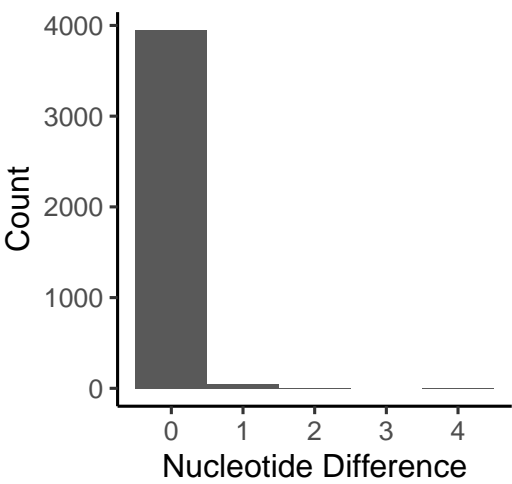
TRBV5-1*ap01

8702 sequences assigned
8591 (98.7%) exact matches, in which:
8350 unique CDR3
13 unique J



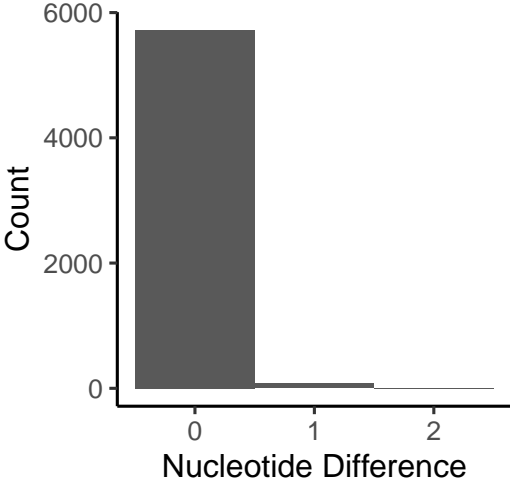
TRBV4-1*ap01

3996 sequences assigned
3949 (98.8%) exact matches, in which:
3870 unique CDR3
13 unique J



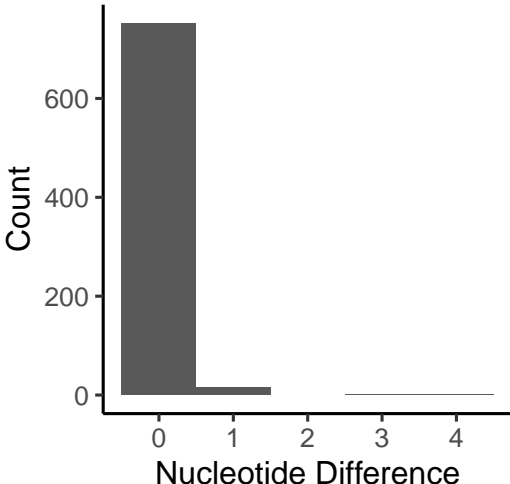
TRBV4-3*ap01

5803 sequences assigned
5721 (98.6%) exact matches, in which:
5578 unique CDR3
14 unique J



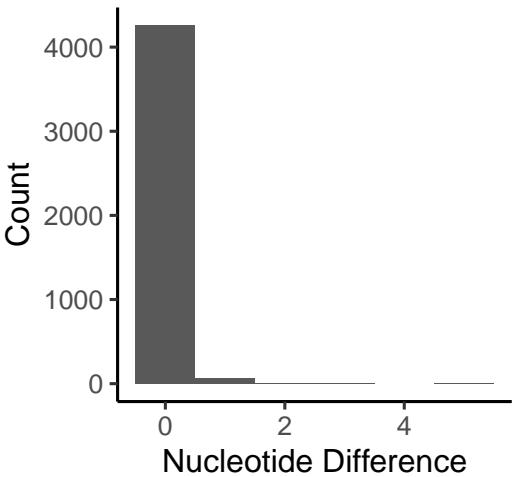
TRBV5-3*ap01

771 sequences assigned
752 (97.5%) exact matches, in which:
726 unique CDR3
13 unique J



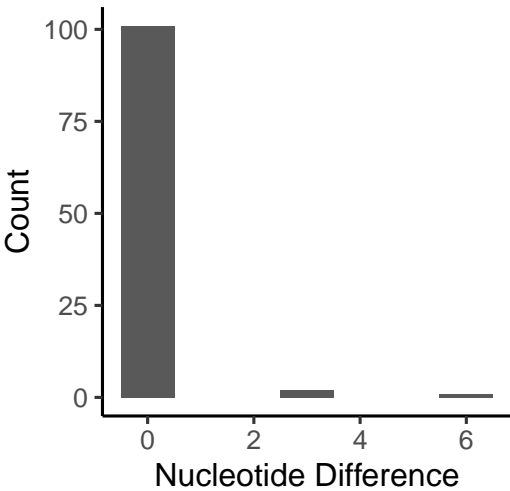
TRBV5-4*ap01

4329 sequences assigned
4258 (98.4%) exact matches, in which:
4145 unique CDR3
13 unique J



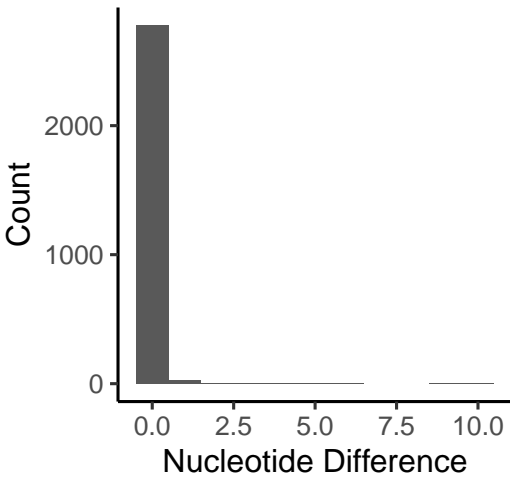
TRBV5-7*ap01

104 sequences assigned
101 (97.1%) exact matches, in which:
101 unique CDR3
12 unique J



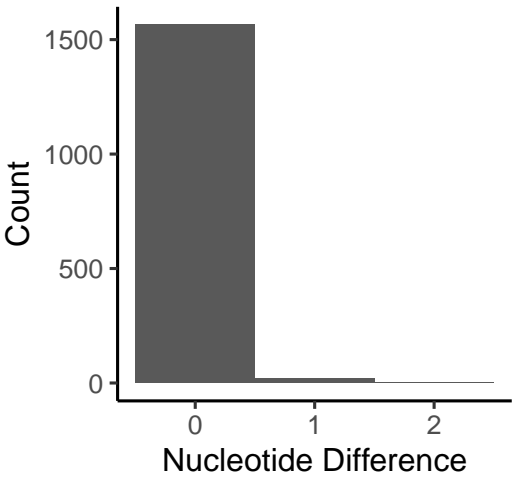
TRBV6-4*ap01

2814 sequences assigned
2777 (98.7%) exact matches, in which:
2722 unique CDR3
13 unique J



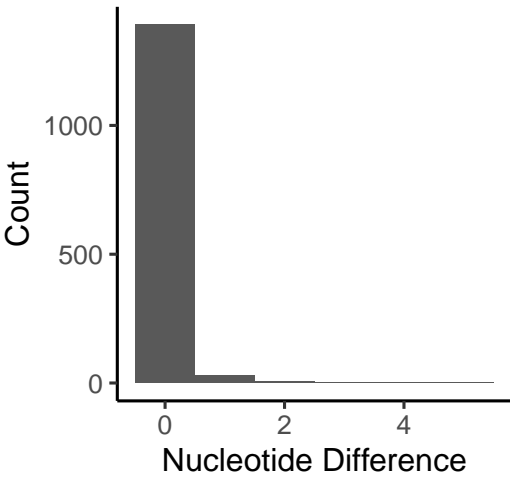
TRBV5-5*ap01

1590 sequences assigned
1565 (98.4%) exact matches, in which:
1546 unique CDR3
13 unique J



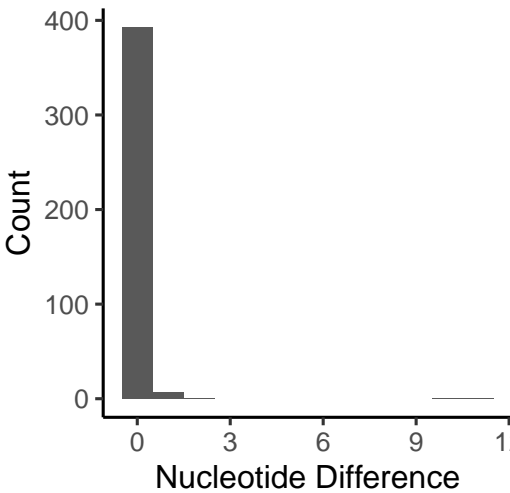
TRBV5-8*ap01

1428 sequences assigned
1391 (97.4%) exact matches, in which:
1350 unique CDR3
13 unique J



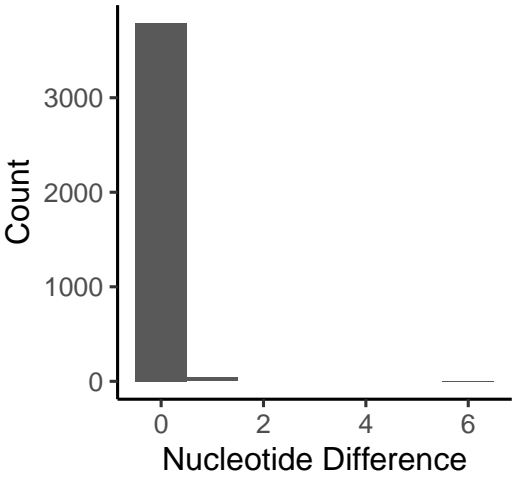
TRBV6-7*ap01

403 sequences assigned
393 (97.5%) exact matches, in which:
383 unique CDR3
13 unique J



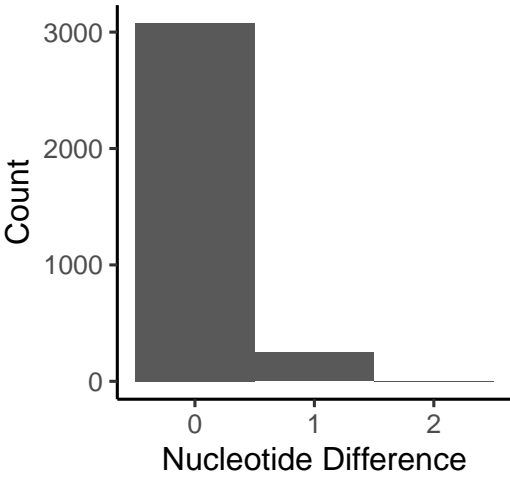
TRBV5-6*ap01

3834 sequences assigned
3790 (98.9%) exact matches, in which:
3701 unique CDR3
13 unique J



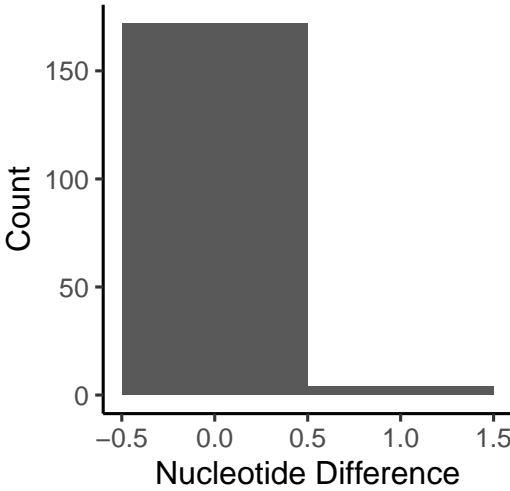
TRBV6-1*ap01

3330 sequences assigned
3078 (92.4%) exact matches, in which:
2992 unique CDR3
13 unique J



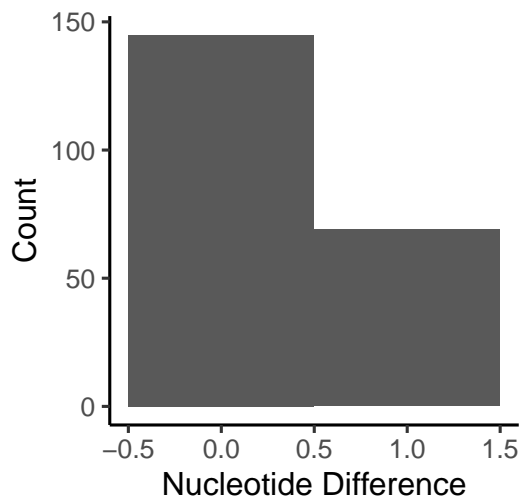
TRBV6-8*ap01

176 sequences assigned
172 (97.7%) exact matches, in which:
167 unique CDR3
13 unique J



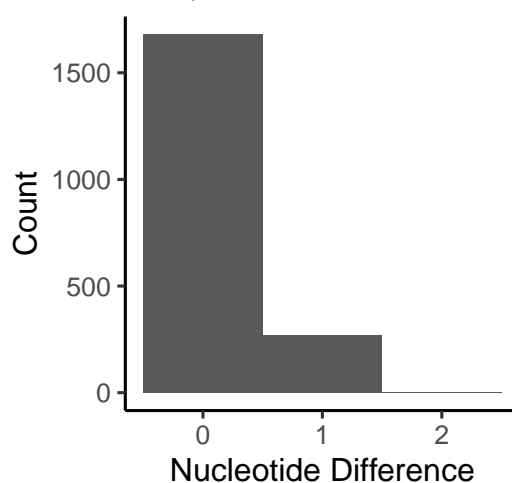
TRBV6-9*ap01

214 sequences assigned
145 (67.8%) exact matches, in which:
141 unique CDR3
12 unique J



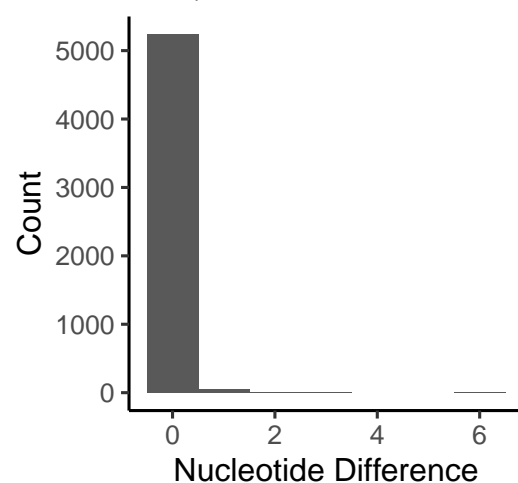
TRBV6-56*ap02

1952 sequences assigned
1680 (86.1%) exact matches, in which:
1631 unique CDR3
13 unique J



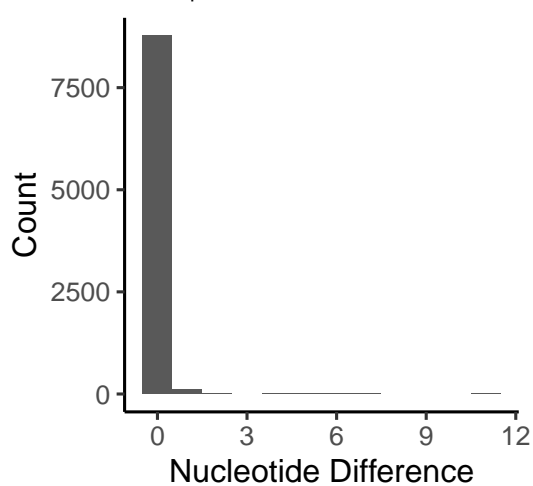
TRBV7-3*ap01

5300 sequences assigned
5237 (98.8%) exact matches, in which:
5128 unique CDR3
13 unique J



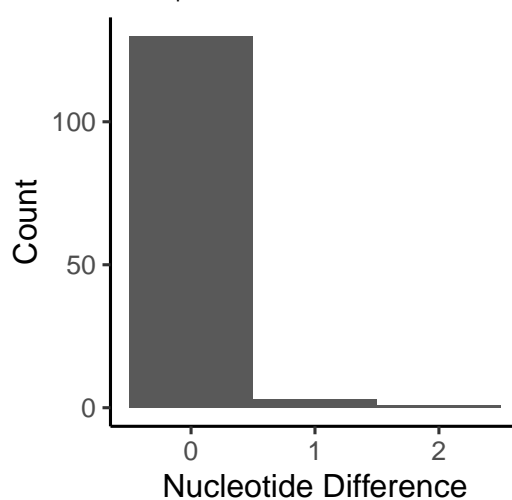
TRBV6-23*ap01

8887 sequences assigned
8771 (98.7%) exact matches, in which:
8525 unique CDR3
13 unique J



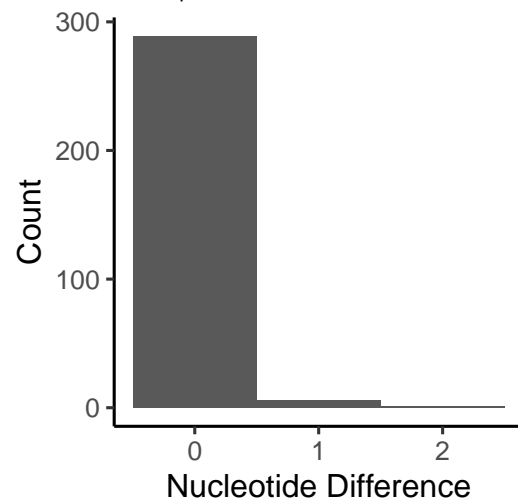
TRBV7-1*ap01_G291C_

134 sequences assigned
130 (97%) exact matches, in which:
129 unique CDR3
13 unique J



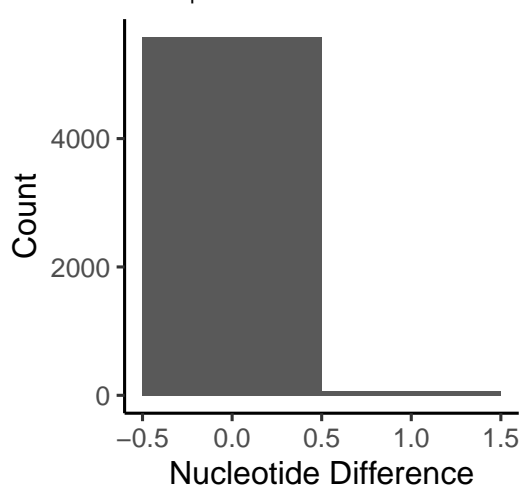
TRBV7-4*ap01

296 sequences assigned
289 (97.6%) exact matches, in which:
282 unique CDR3
13 unique J



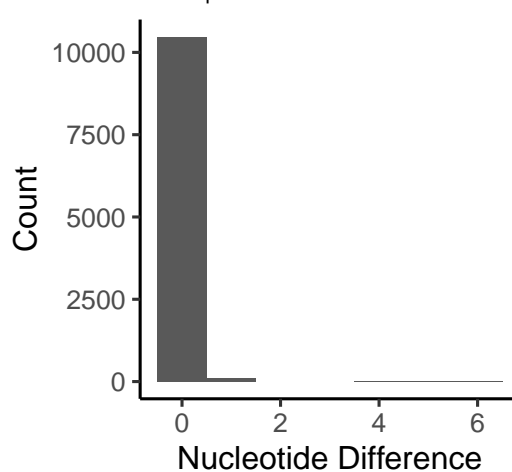
TRBV6-56*ap01

5648 sequences assigned
5582 (98.8%) exact matches, in which:
5450 unique CDR3
13 unique J



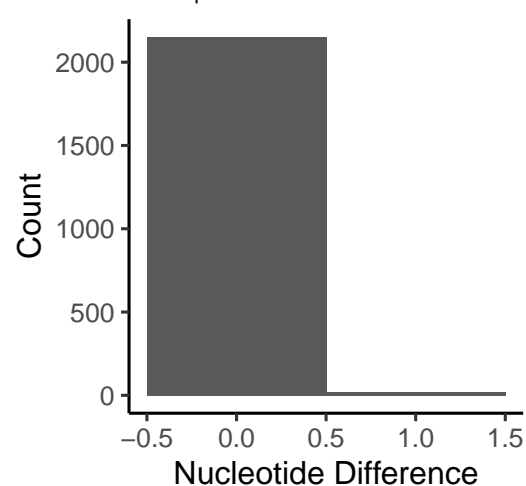
TRBV7-2*ap01

10590 sequences assigned
10474 (98.9%) exact matches, in which:
10216 unique CDR3
13 unique J



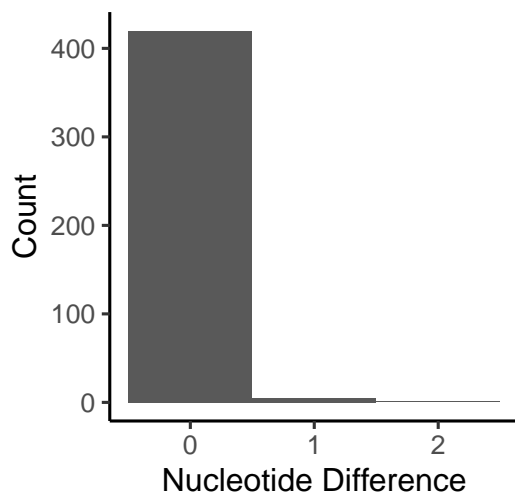
TRBV7-6*ap01

2171 sequences assigned
2151 (99.1%) exact matches, in which:
2114 unique CDR3
13 unique J



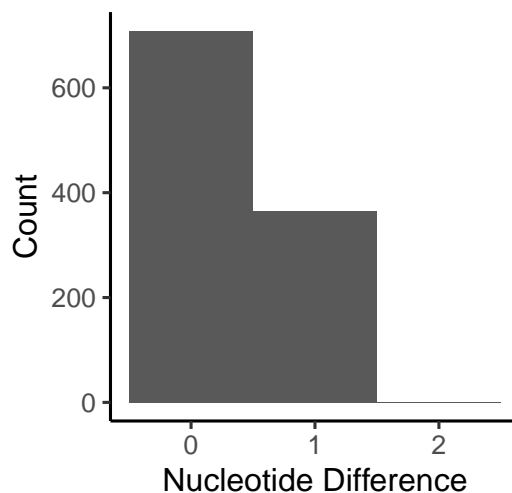
TRBV7-7*ap01

426 sequences assigned
420 (98.6%) exact matches, in which:
410 unique CDR3
13 unique J



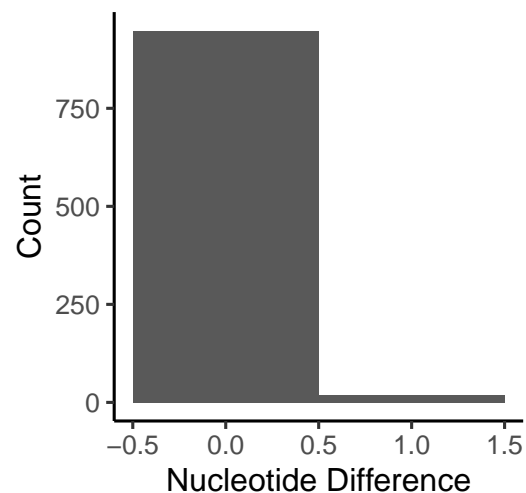
TRBV7-8*ap03

1075 sequences assigned
709 (66%) exact matches, in which:
688 unique CDR3
13 unique J



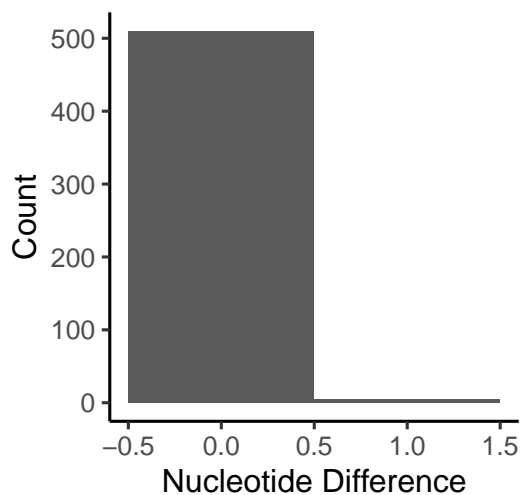
TRBV29-1*ap02

966 sequences assigned
948 (98.1%) exact matches, in which:
933 unique CDR3
13 unique J



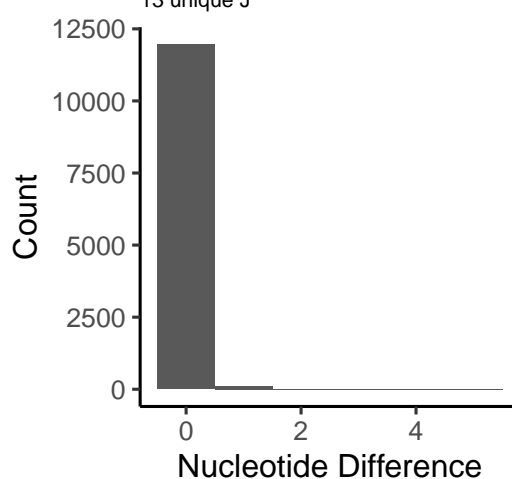
TRBV7-7*ap01_C315T

515 sequences assigned
510 (99%) exact matches, in which:
502 unique CDR3
13 unique J



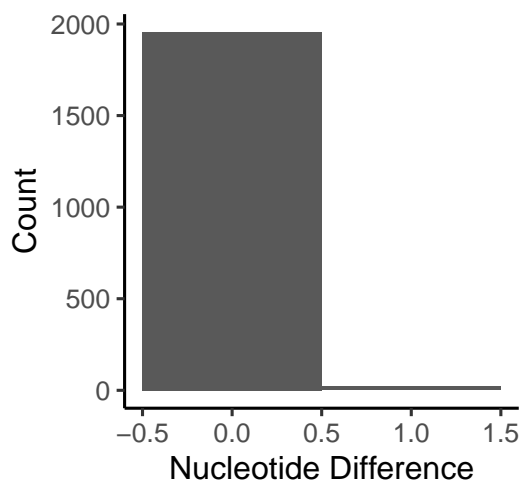
TRBV7-9*ap01

12069 sequences assigned
11958 (99.1%) exact matches, in which:
11747 unique CDR3
13 unique J



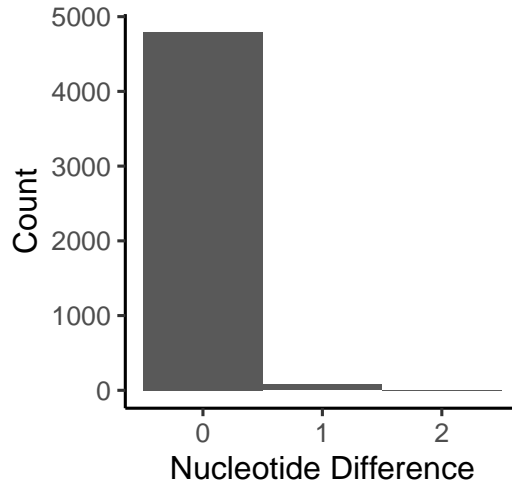
TRBV7-8*ap01

1976 sequences assigned
1956 (99%) exact matches, in which:
1902 unique CDR3
13 unique J

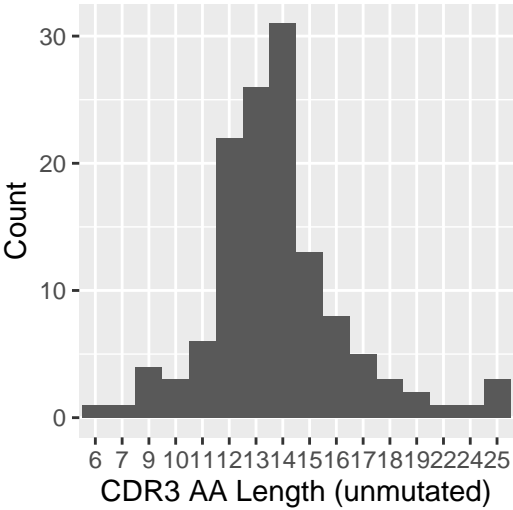


TRBV29-1*ap01

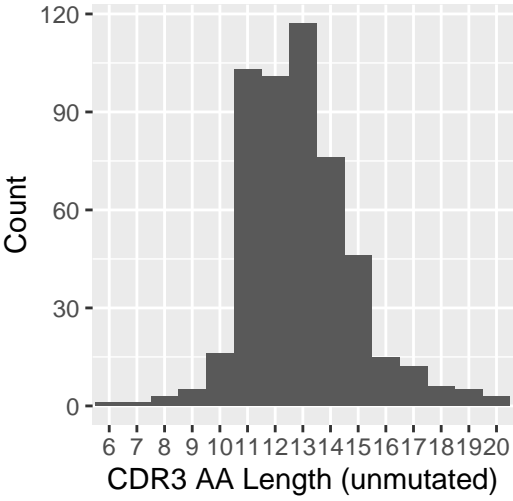
4876 sequences assigned
4794 (98.3%) exact matches, in which:
4689 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]