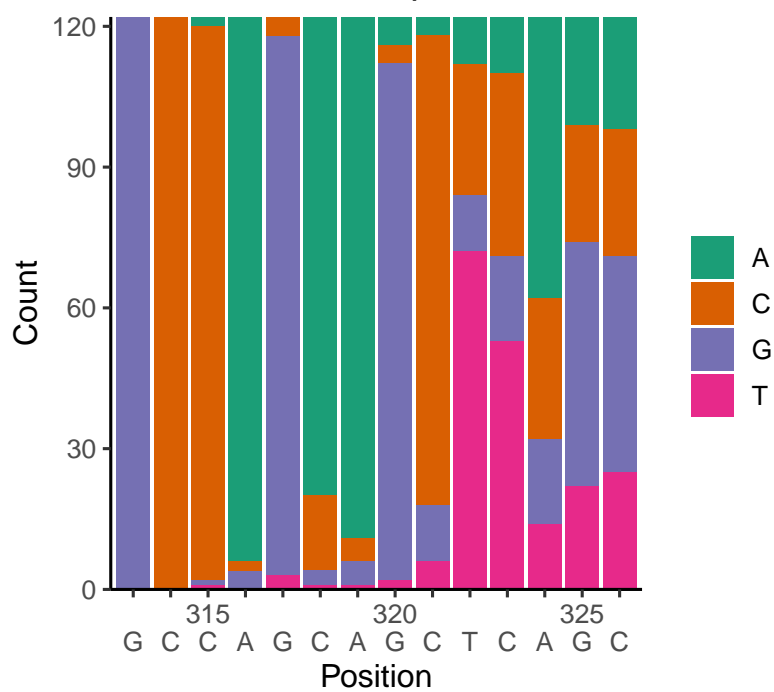
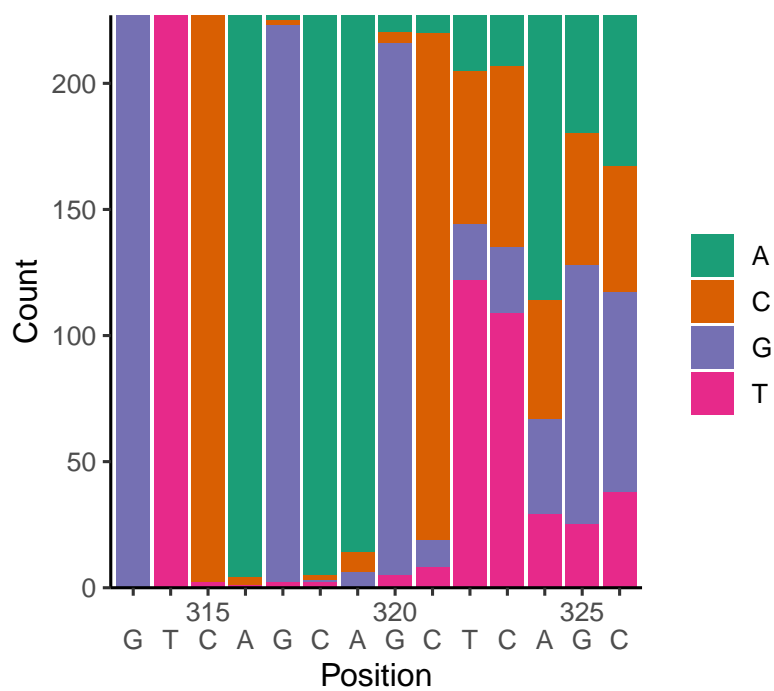


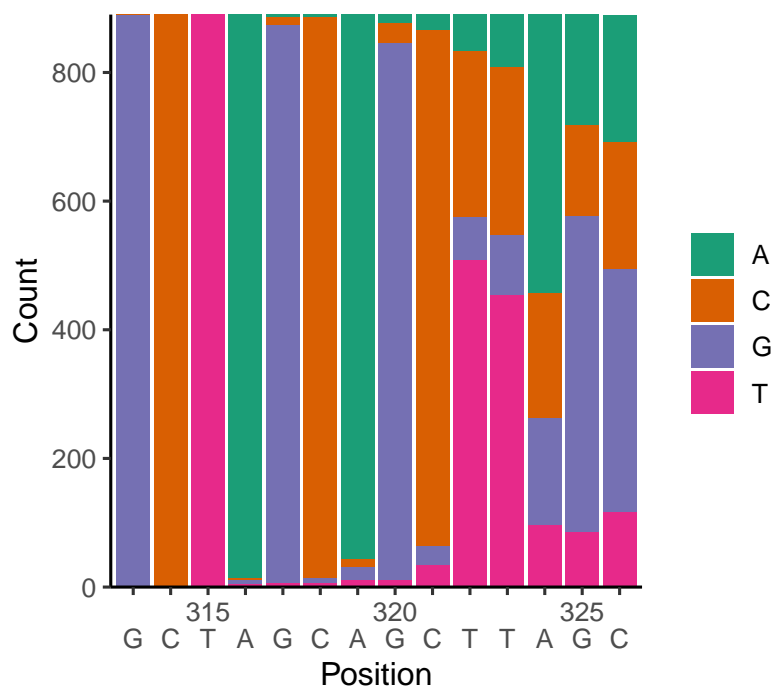
Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-1*ap01_G291C_T296C_C314T



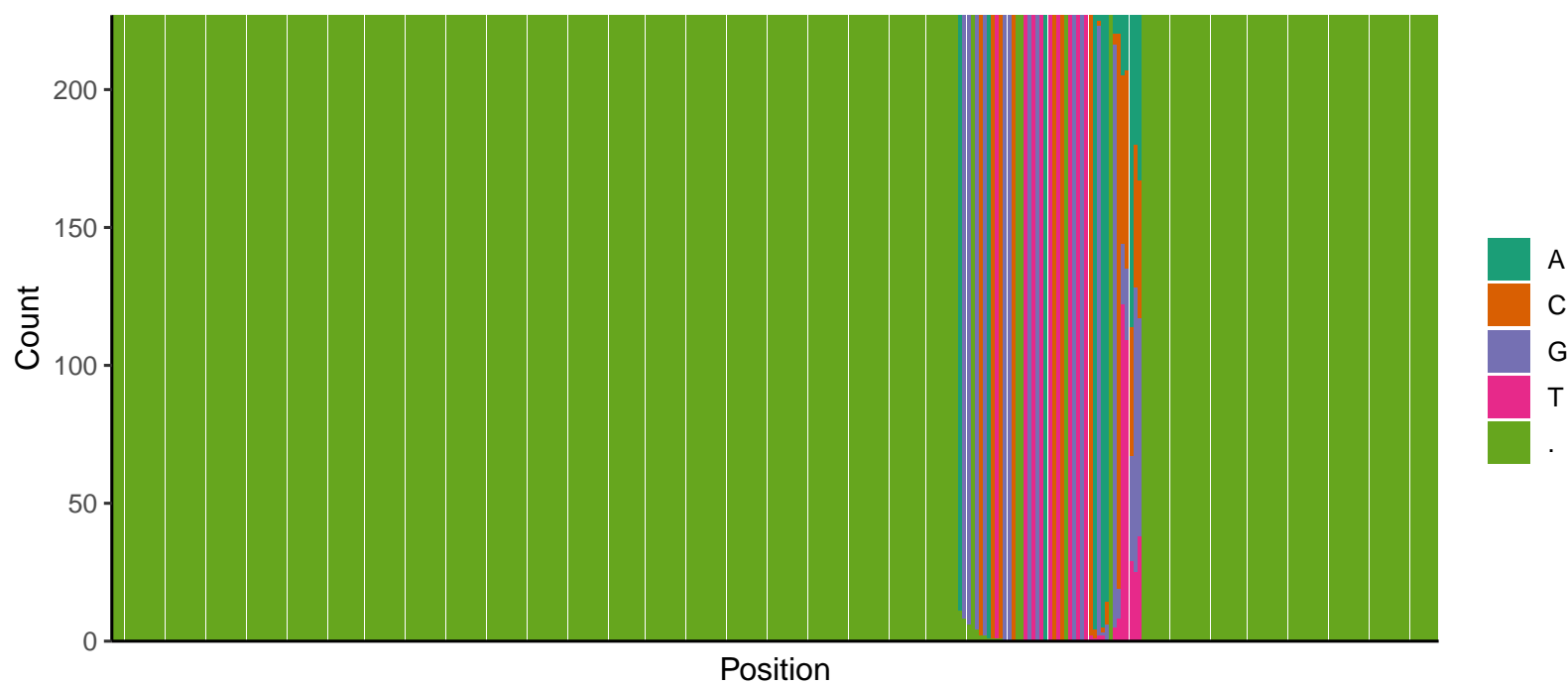
Gene TRBV7-7*ap01_C315T



Gene TRBV7-1*ap01_G291C_T296C



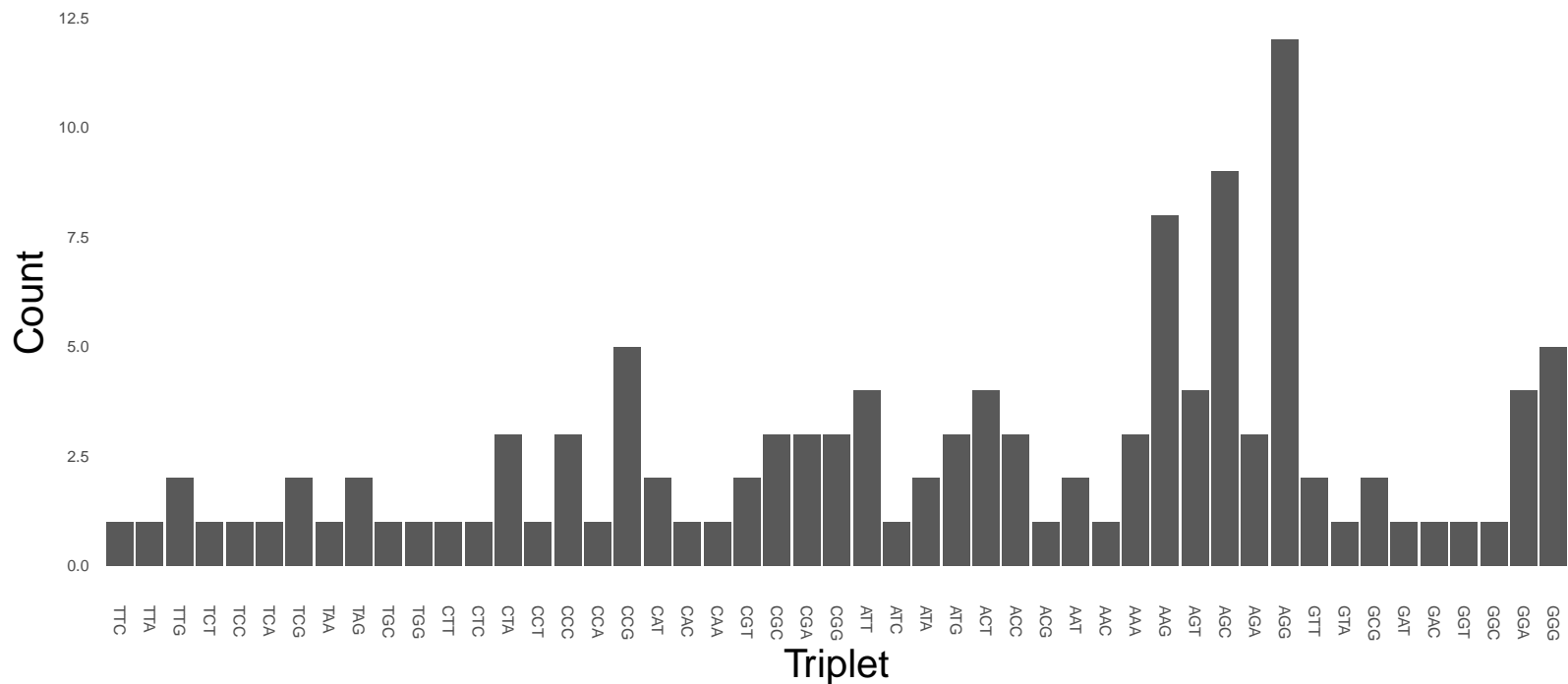
Gene TRBV7-1*ap01_G291C_T296C_C314T



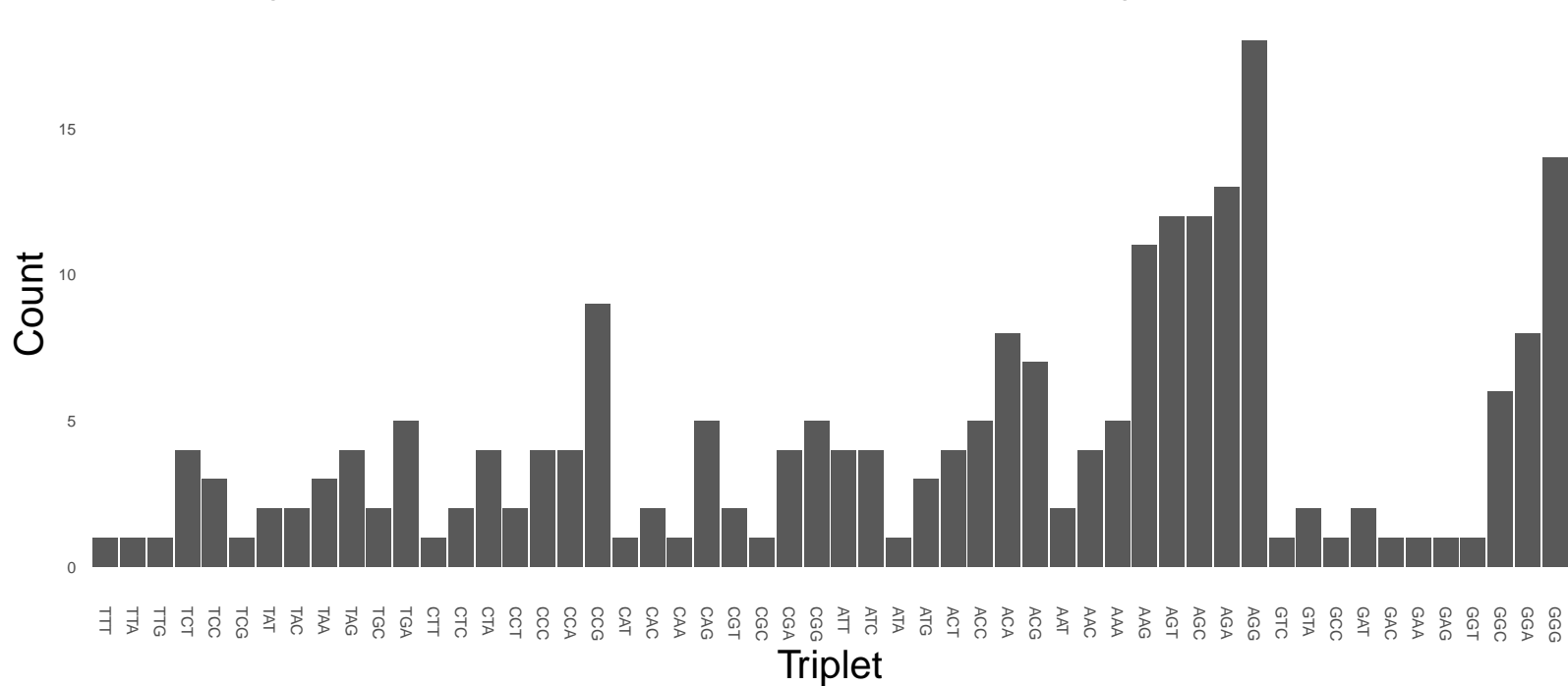
Gene TRBV7-7*ap01_C315T



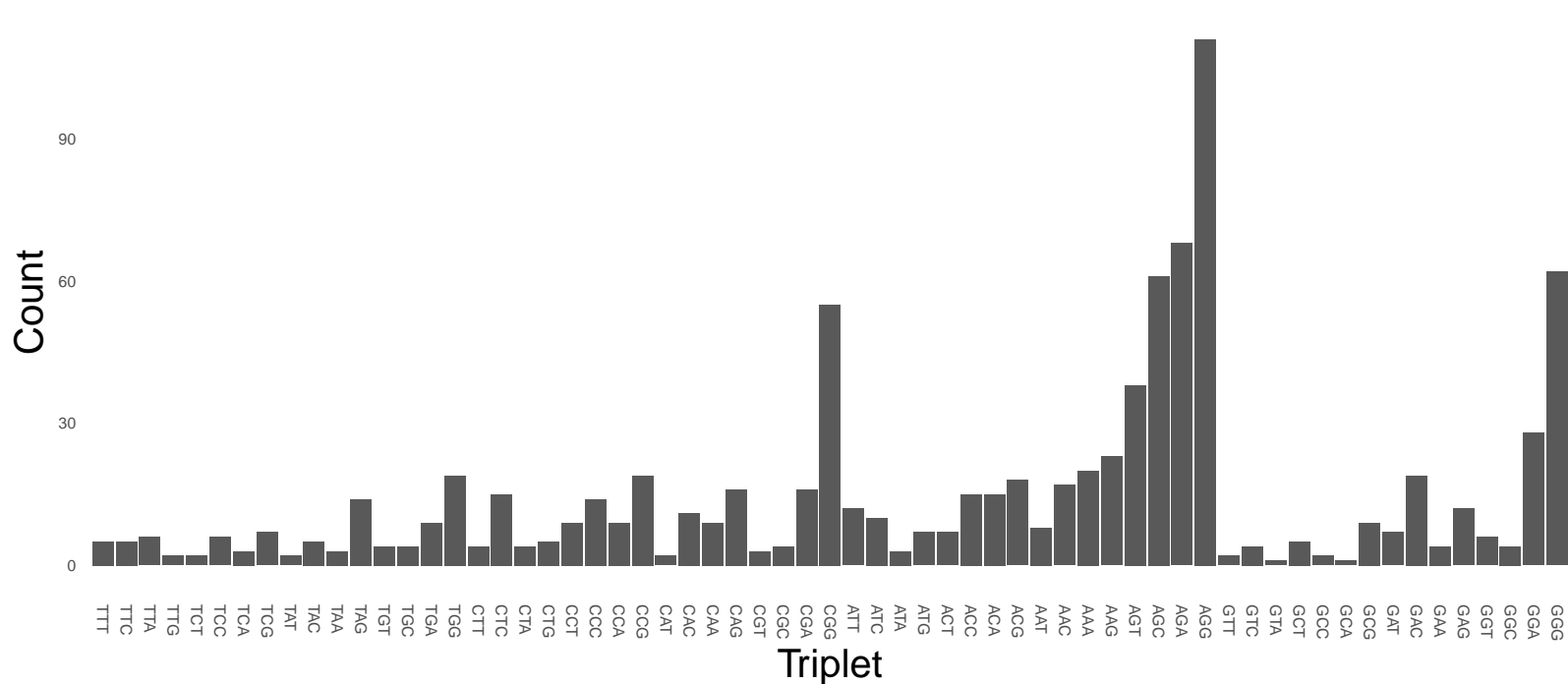
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet

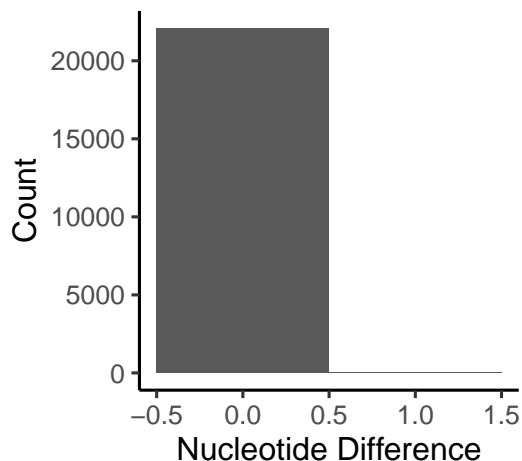


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



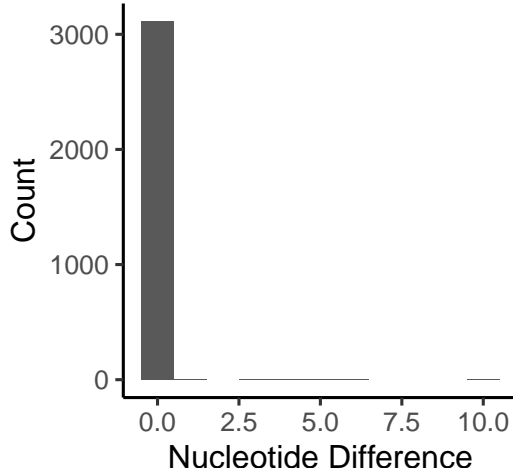
TRBV20-1*ap01

22118 sequences assigned
22092 (99.9%) exact matches, in which:
22080 unique CDR3
13 unique J



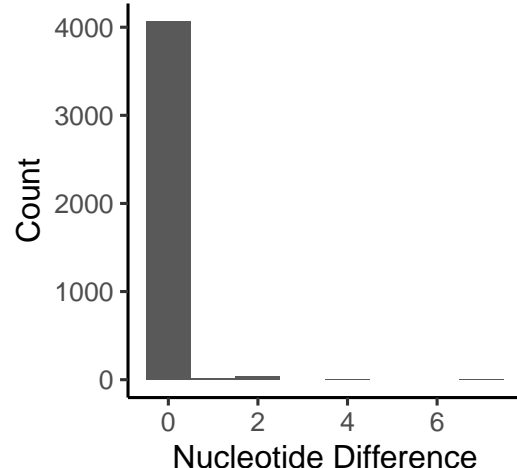
TRBV10-2*ap01

3121 sequences assigned
3112 (99.7%) exact matches, in which:
3110 unique CDR3
13 unique J



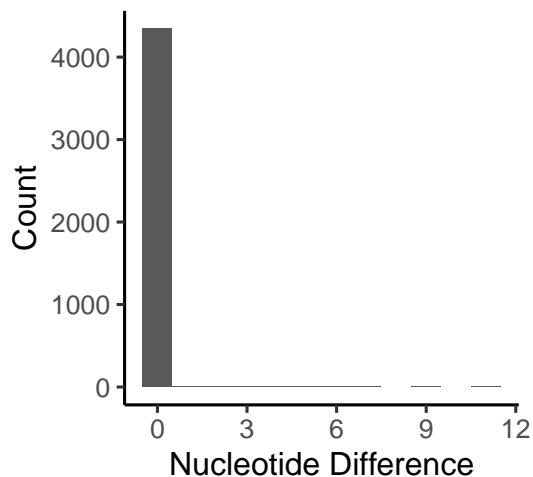
TRBV13*ap01

4124 sequences assigned
4066 (98.6%) exact matches, in which:
4065 unique CDR3
13 unique J



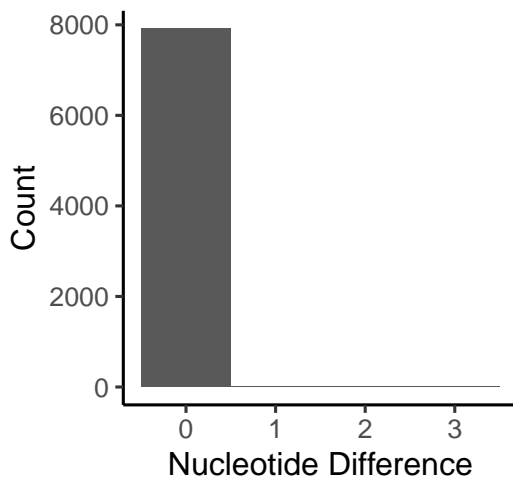
TRBV10-1*ap01

4362 sequences assigned
4344 (99.6%) exact matches, in which:
4344 unique CDR3
13 unique J



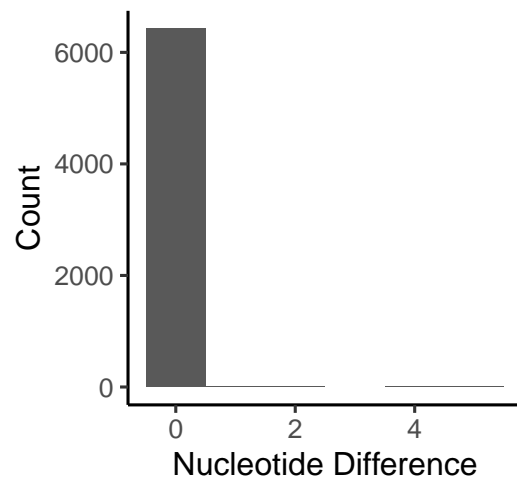
TRBV10-3*ap01

7923 sequences assigned
7914 (99.9%) exact matches, in which:
7911 unique CDR3
13 unique J



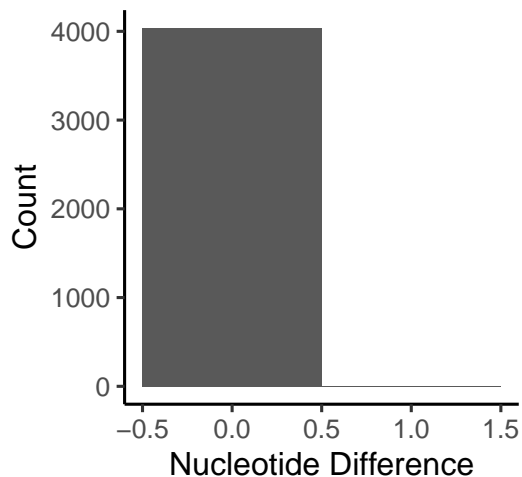
TRBV14*ap01

6434 sequences assigned
6424 (99.8%) exact matches, in which:
6424 unique CDR3
13 unique J



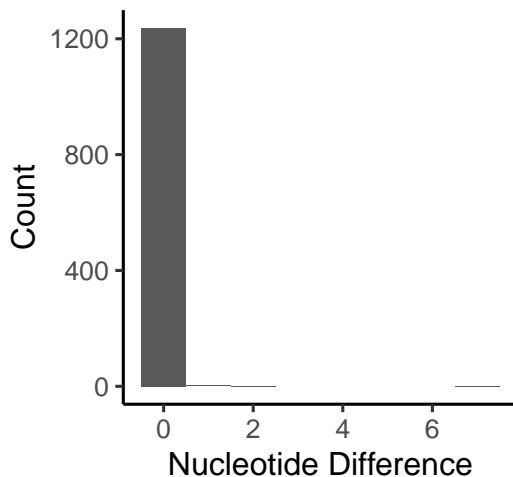
TRBV20-1*ap02

4041 sequences assigned
4037 (99.9%) exact matches, in which:
4033 unique CDR3
13 unique J



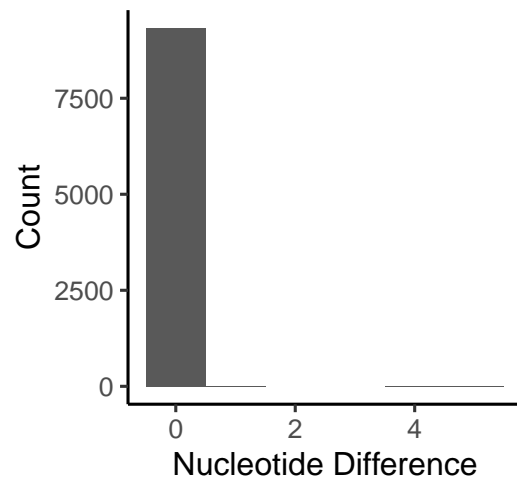
TRBV1*ap01

1242 sequences assigned
1237 (99.6%) exact matches, in which:
1235 unique CDR3
13 unique J



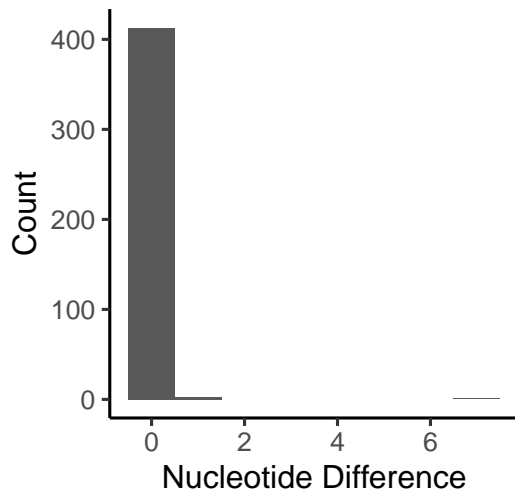
TRBV15*ap02

9345 sequences assigned
9328 (99.8%) exact matches, in which:
9324 unique CDR3
13 unique J



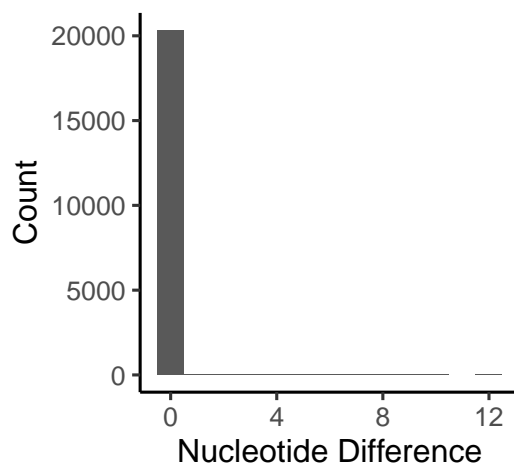
TRBV16*ap01

417 sequences assigned
413 (99%) exact matches, in which:
413 unique CDR3
13 unique J



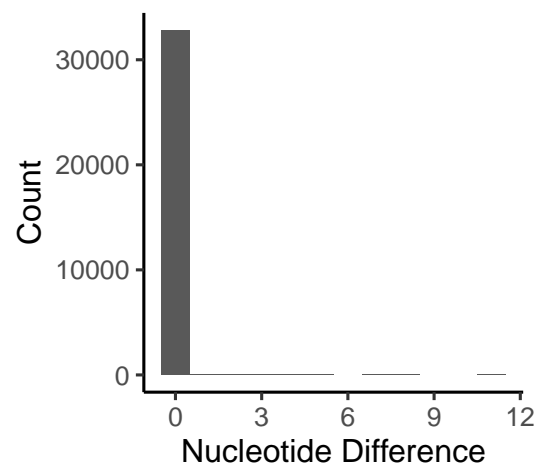
TRBV19*ap01

20400 sequences assigned
20333 (99.7%) exact matches, in which:
20332 unique CDR3
13 unique J



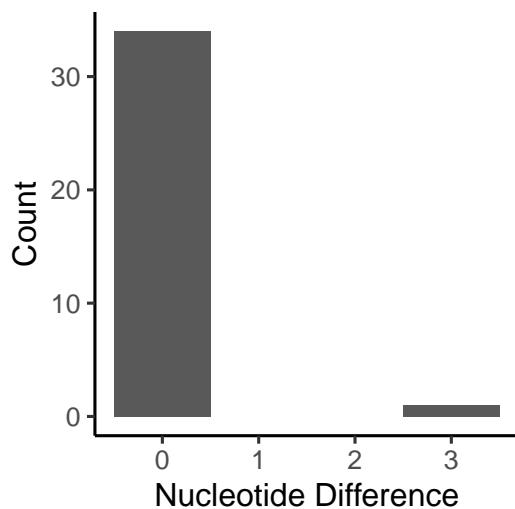
TRBV27*ap01

32933 sequences assigned
32818 (99.7%) exact matches, in which:
32759 unique CDR3
13 unique J



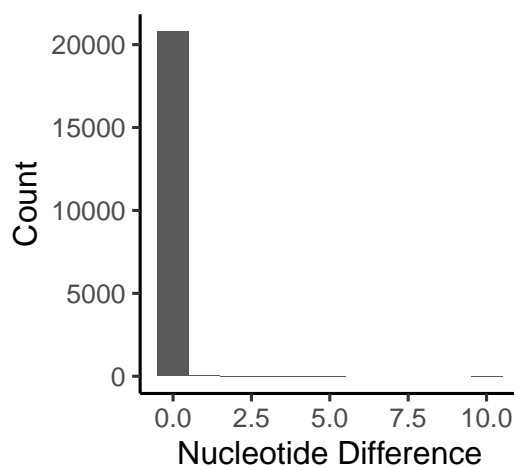
TRBV17*ap01

35 sequences assigned
34 (97.1%) exact matches, in which:
34 unique CDR3
9 unique J



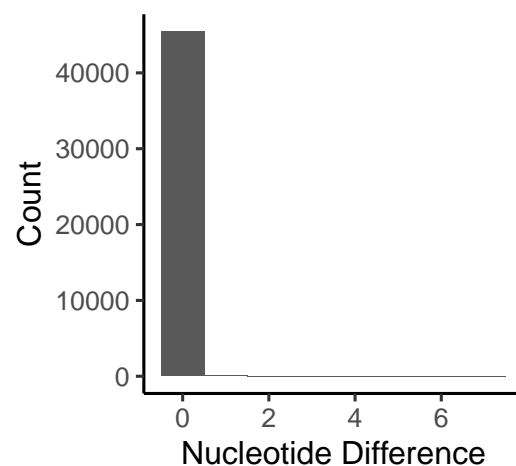
TRBV2*ap01

20846 sequences assigned
20793 (99.7%) exact matches, in which:
20765 unique CDR3
13 unique J



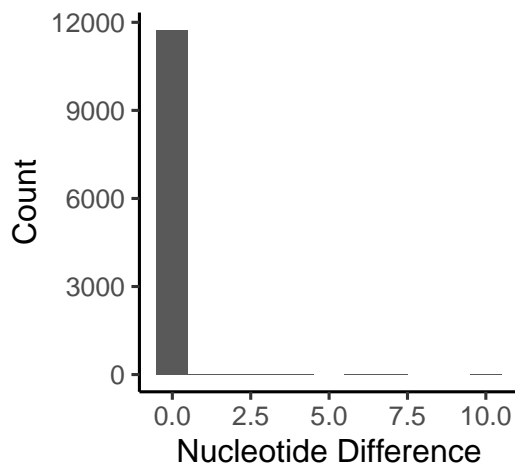
TRBV28*ap01

45559 sequences assigned
45461 (99.8%) exact matches, in which:
45454 unique CDR3
13 unique J



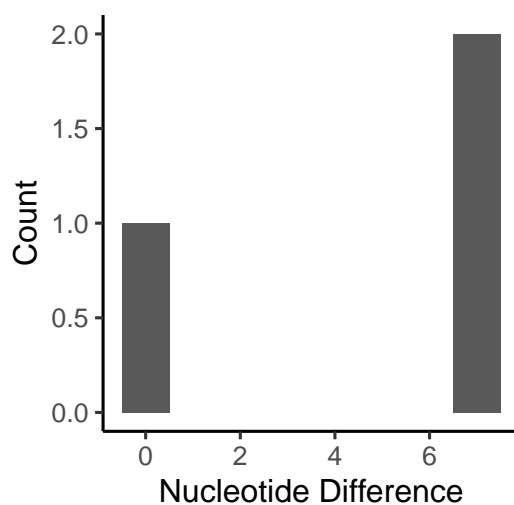
TRBV18*ap01

11764 sequences assigned
11746 (99.8%) exact matches, in which:
11746 unique CDR3
13 unique J



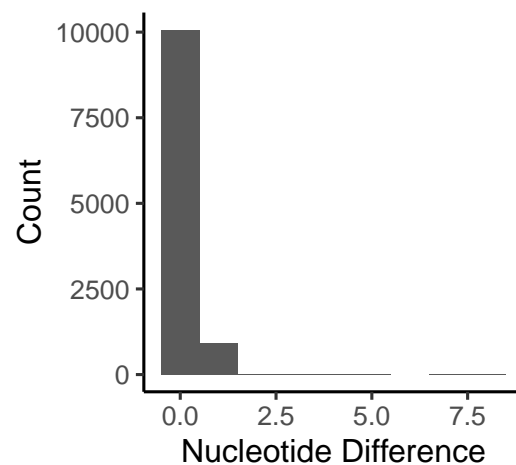
TRBV26*ap01

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



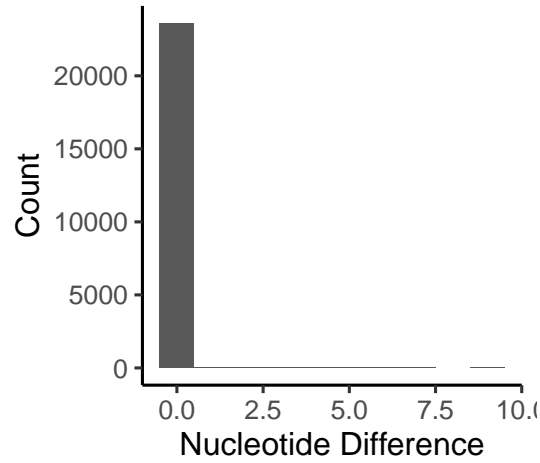
TRBV30*ap01

11002 sequences assigned
10068 (91.5%) exact matches, in which:
10055 unique CDR3
13 unique J



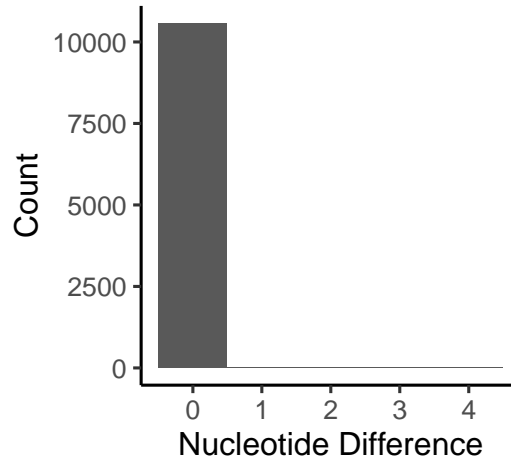
TRBV9*ap01

23649 sequences assigned
23606 (99.8%) exact matches, in which:
23601 unique CDR3
13 unique J



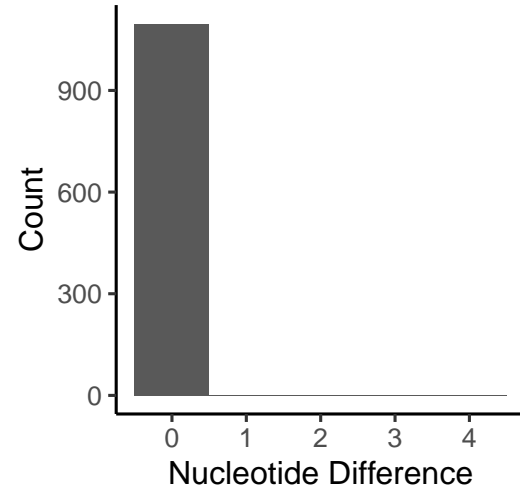
TRBV11-2*ap01

10592 sequences assigned
10577 (99.9%) exact matches, in which:
10577 unique CDR3
13 unique J



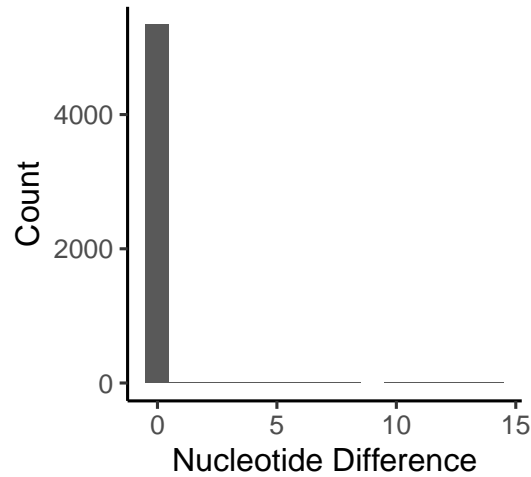
TRBV12-2*ap01

1102 sequences assigned
1097 (99.5%) exact matches, in which:
1097 unique CDR3
13 unique J



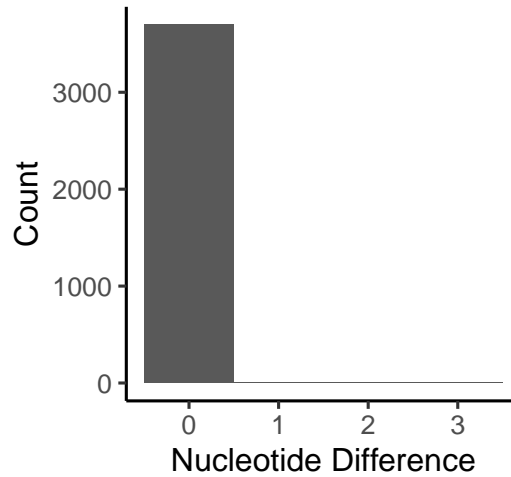
TRBV21-1*ap01

5399 sequences assigned
5339 (98.9%) exact matches, in which:
5339 unique CDR3
13 unique J



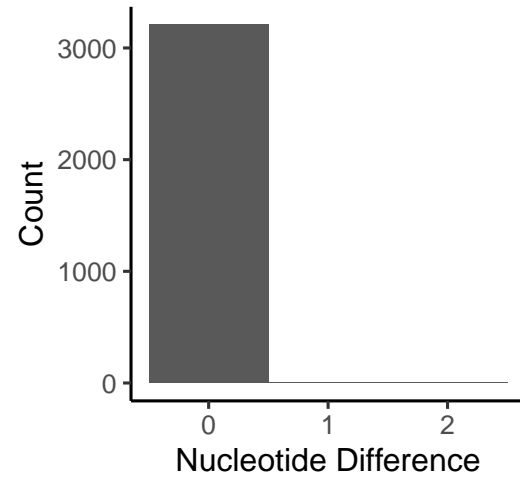
TRBV11-3*ap01

3702 sequences assigned
3697 (99.9%) exact matches, in which:
3697 unique CDR3
13 unique J



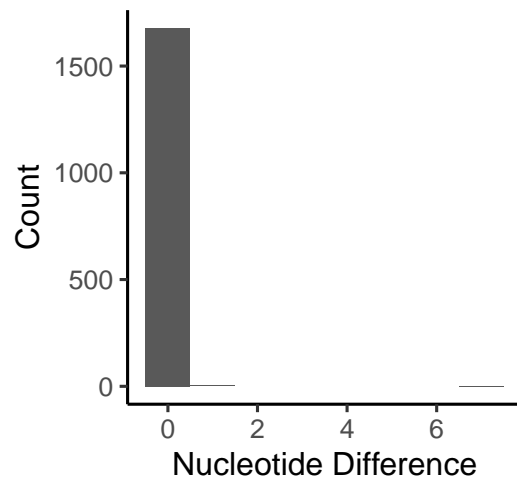
TRBV12-5*ap01

3213 sequences assigned
3208 (99.8%) exact matches, in which:
3207 unique CDR3
13 unique J



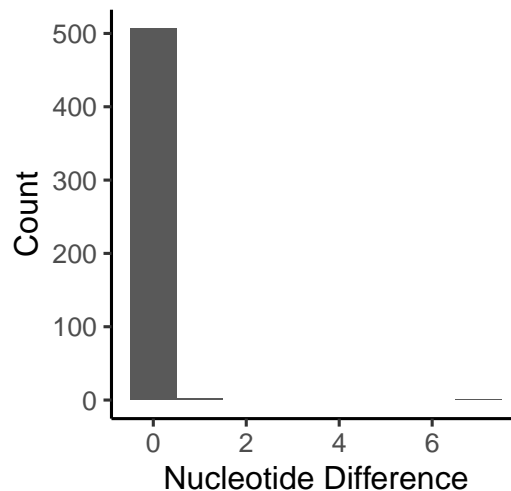
TRBV11-1*ap01

1683 sequences assigned
1678 (99.7%) exact matches, in which:
1678 unique CDR3
13 unique J



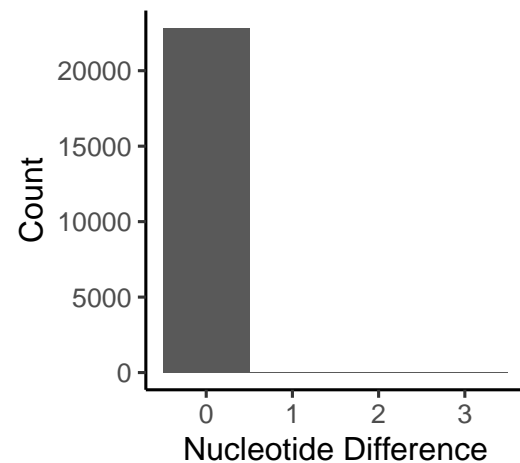
TRBV12-1*ap01

510 sequences assigned
507 (99.4%) exact matches, in which:
507 unique CDR3
13 unique J



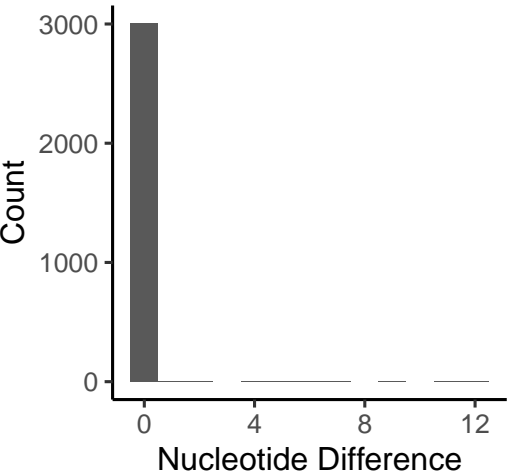
TRBV12-34*ap01

22868 sequences assigned
22844 (99.9%) exact matches, in which:
22841 unique CDR3
13 unique J



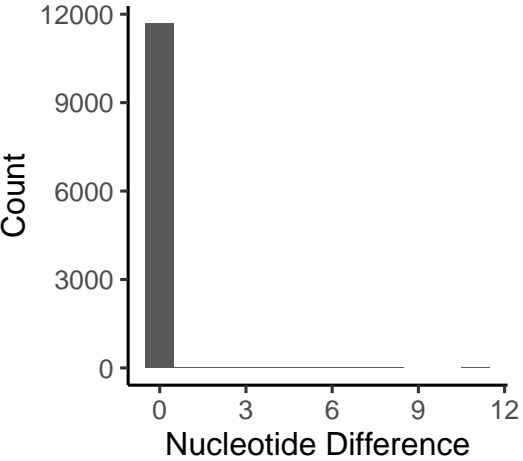
TRBV23-1*ap01

3026 sequences assigned
3005 (99.3%) exact matches, in which:
3005 unique CDR3
13 unique J



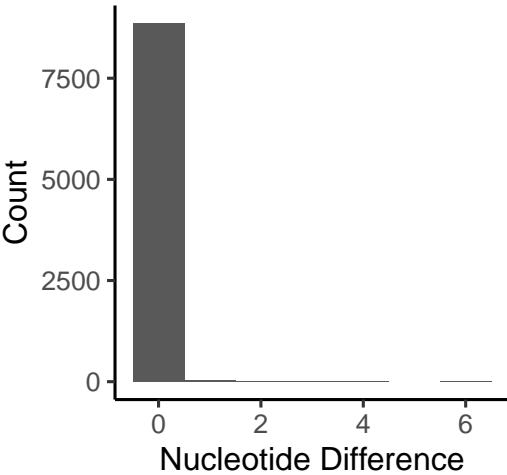
TRBV24-1*ap01

11742 sequences assigned
11696 (99.6%) exact matches, in which:
11686 unique CDR3
13 unique J



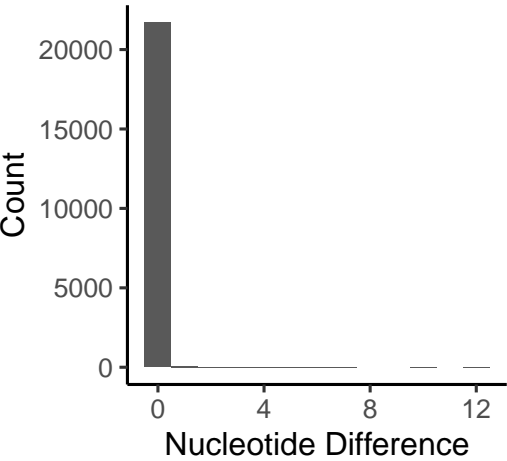
TRBV25-1*ap01

8890 sequences assigned
8855 (99.6%) exact matches, in which:
8840 unique CDR3
13 unique J



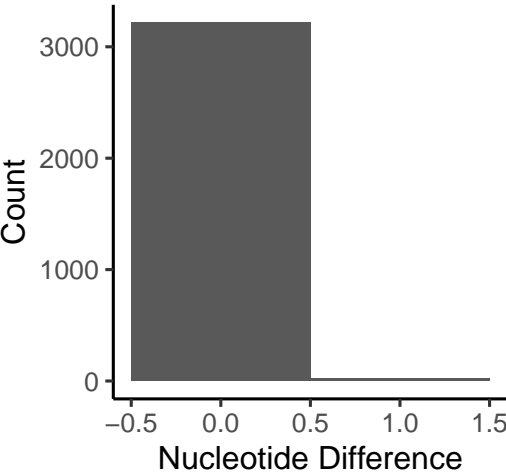
TRBV3-12*ap01

21798 sequences assigned
21706 (99.6%) exact matches, in which:
21668 unique CDR3
13 unique J



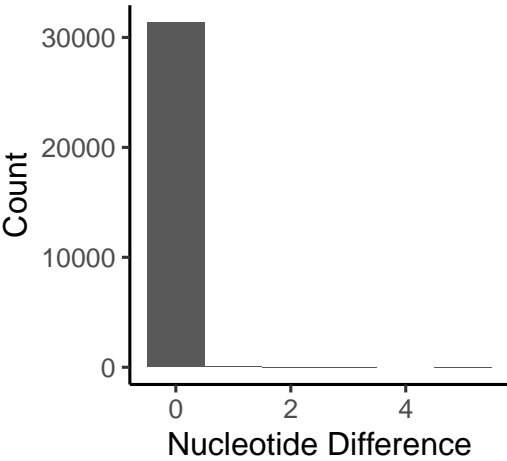
TRBV4-2*ap01

3236 sequences assigned
3216 (99.4%) exact matches, in which:
3215 unique CDR3
13 unique J



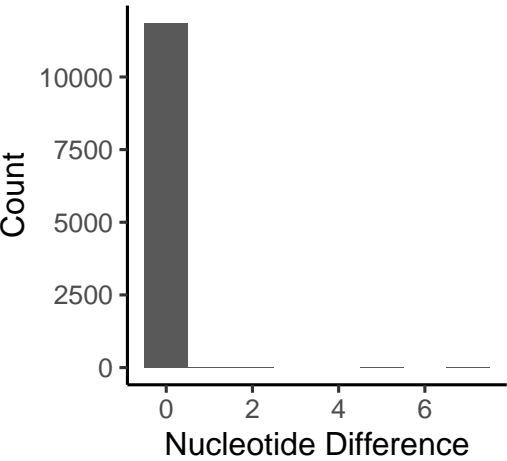
TRBV5-1*ap01

31422 sequences assigned
31362 (99.8%) exact matches, in which:
31342 unique CDR3
13 unique J



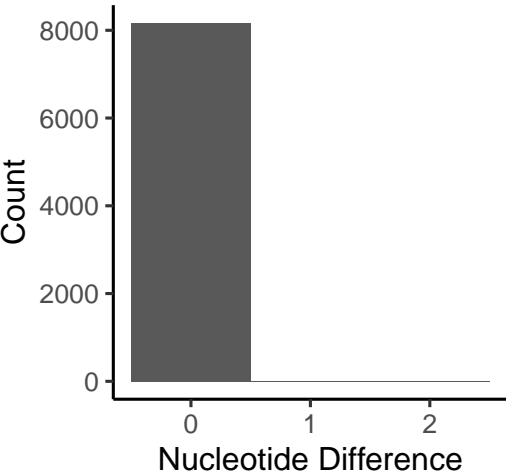
TRBV4-1*ap01

11877 sequences assigned
11864 (99.9%) exact matches, in which:
11860 unique CDR3
13 unique J



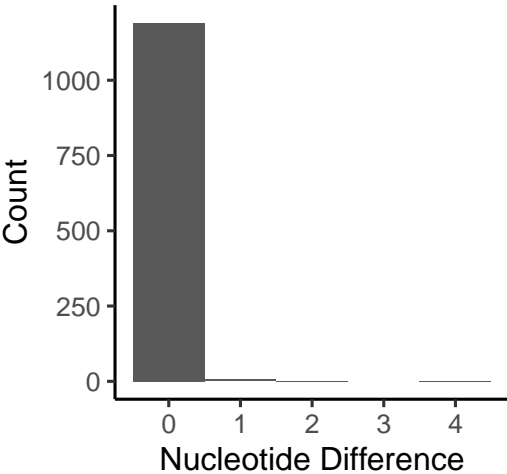
TRBV4-3*ap01

8172 sequences assigned
8165 (99.9%) exact matches, in which:
8164 unique CDR3
12 unique J



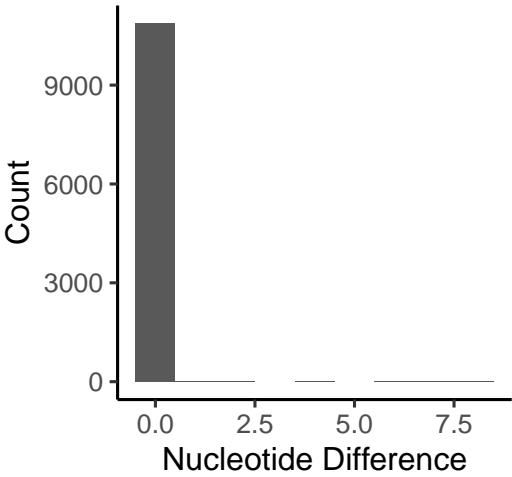
TRBV5-3*ap01

1199 sequences assigned
1190 (99.2%) exact matches, in which:
1189 unique CDR3
13 unique J



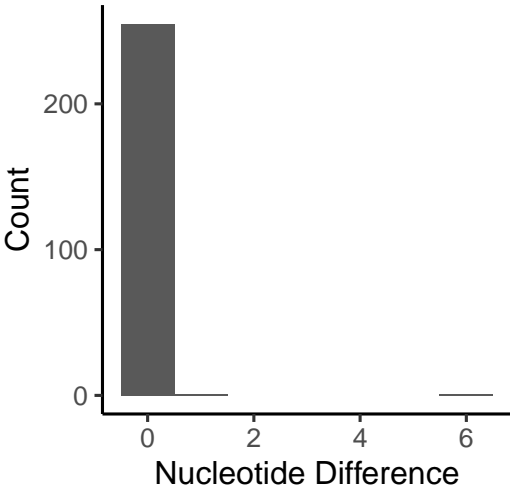
TRBV5-4*ap01

10890 sequences assigned
10873 (99.8%) exact matches, in which:
10871 unique CDR3
14 unique J



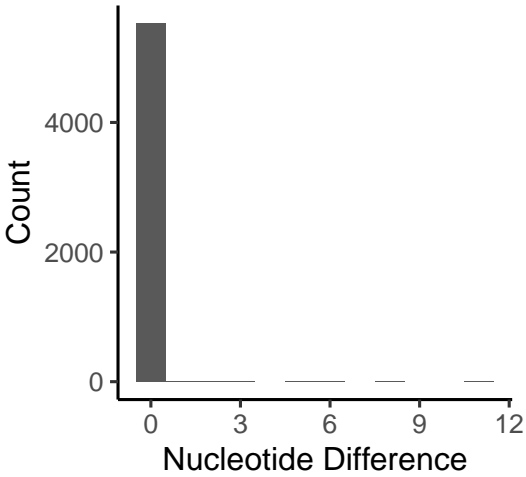
TRBV5-7*ap01

257 sequences assigned
255 (99.2%) exact matches, in which:
255 unique CDR3
13 unique J



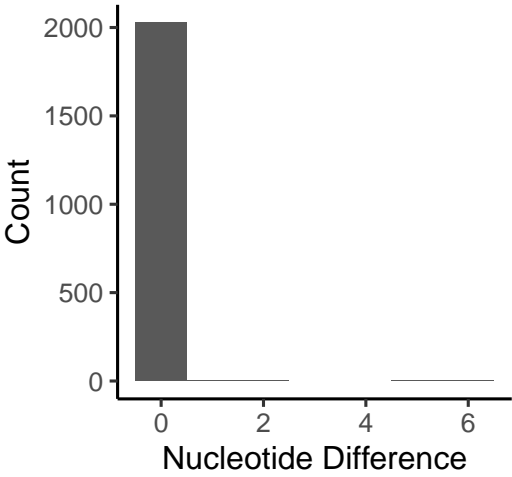
TRBV6-4*ap01

5552 sequences assigned
5528 (99.6%) exact matches, in which:
5527 unique CDR3
13 unique J



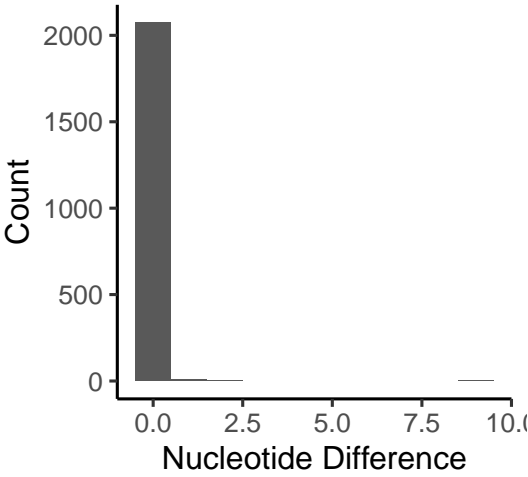
TRBV5-5*ap01

2035 sequences assigned
2027 (99.6%) exact matches, in which:
2027 unique CDR3
13 unique J



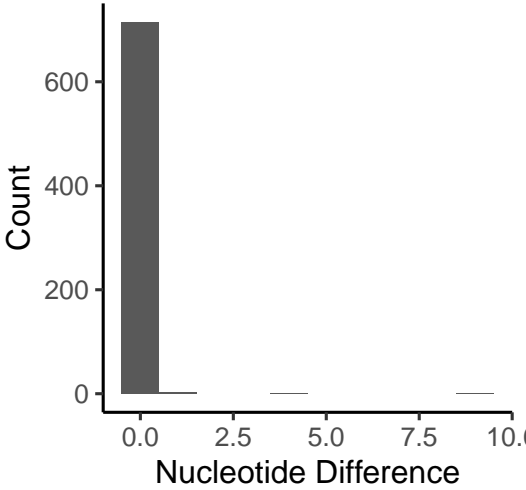
TRBV5-8*ap01

2081 sequences assigned
2073 (99.6%) exact matches, in which:
2073 unique CDR3
13 unique J



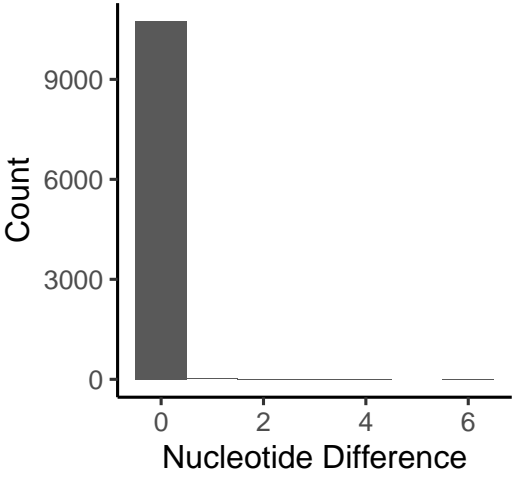
TRBV6-7*ap01

720 sequences assigned
715 (99.3%) exact matches, in which:
715 unique CDR3
13 unique J



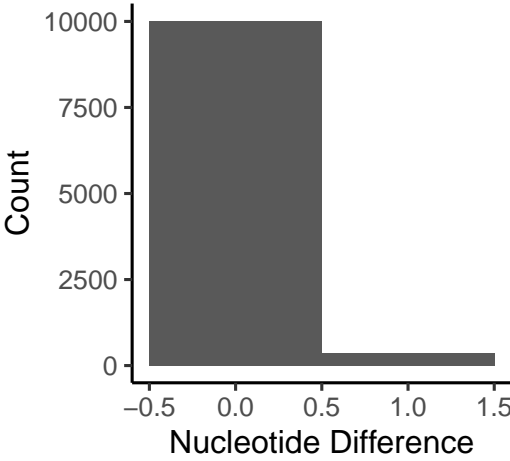
TRBV5-6*ap01

10774 sequences assigned
10750 (99.8%) exact matches, in which:
10736 unique CDR3
14 unique J



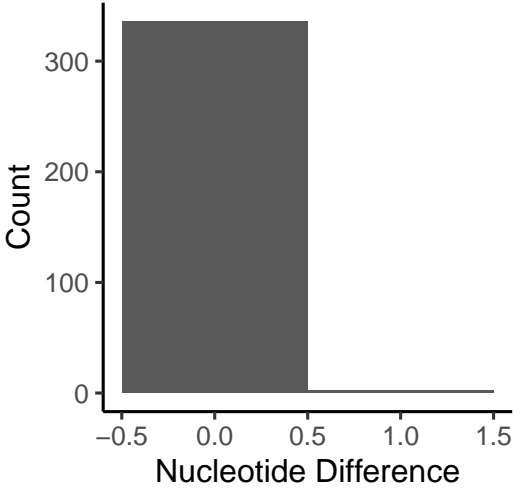
TRBV6-1*ap01

10391 sequences assigned
10019 (96.4%) exact matches, in which:
10013 unique CDR3
13 unique J



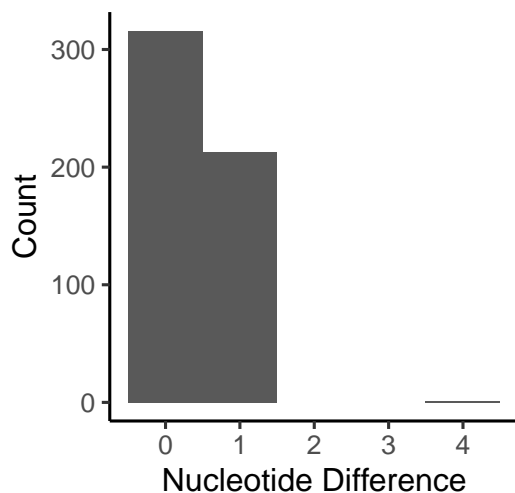
TRBV6-8*ap01

338 sequences assigned
336 (99.4%) exact matches, in which:
336 unique CDR3
13 unique J



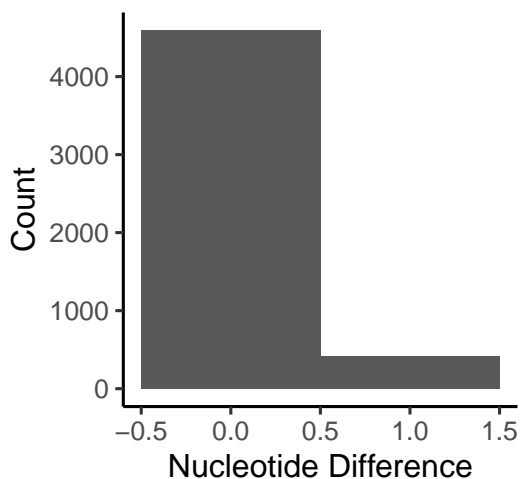
TRBV6–9*ap01

530 sequences assigned
316 (59.6%) exact matches, in which:
316 unique CDR3
13 unique J



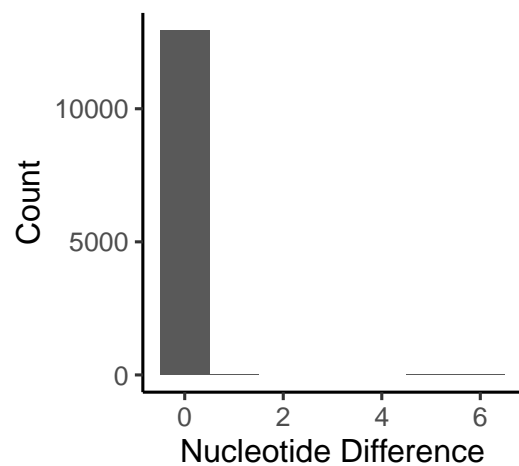
TRBV6–56*ap02

5005 sequences assigned
4592 (91.7%) exact matches, in which:
4591 unique CDR3
13 unique J



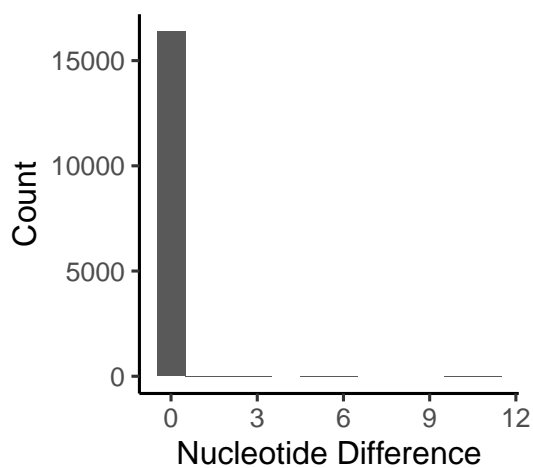
TRBV7–2*ap01

12972 sequences assigned
12953 (99.9%) exact matches, in which:
12953 unique CDR3
13 unique J



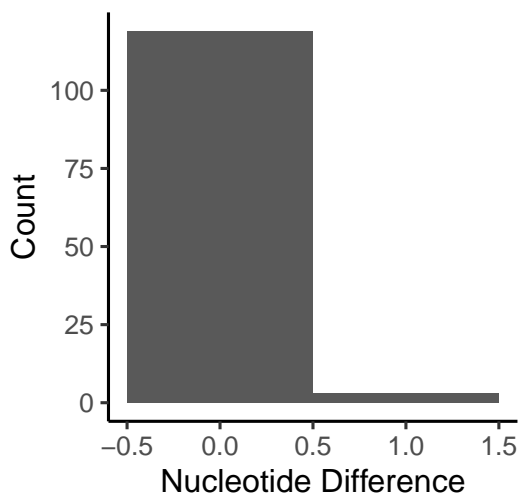
TRBV6–23*ap01

16418 sequences assigned
16385 (99.8%) exact matches, in which:
16377 unique CDR3
13 unique J



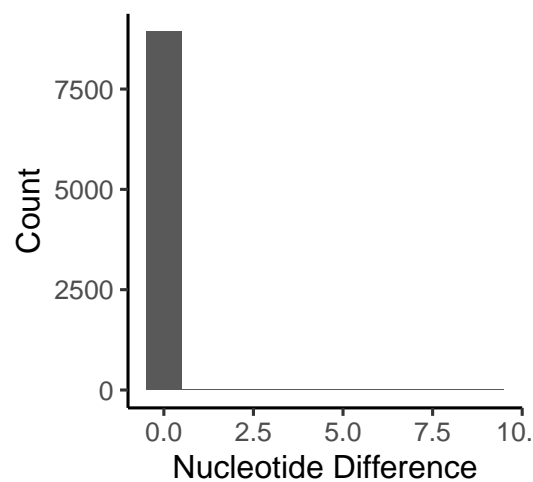
TRBV7–1*ap01_G291C_

122 sequences assigned
119 (97.5%) exact matches, in which:
119 unique CDR3
13 unique J



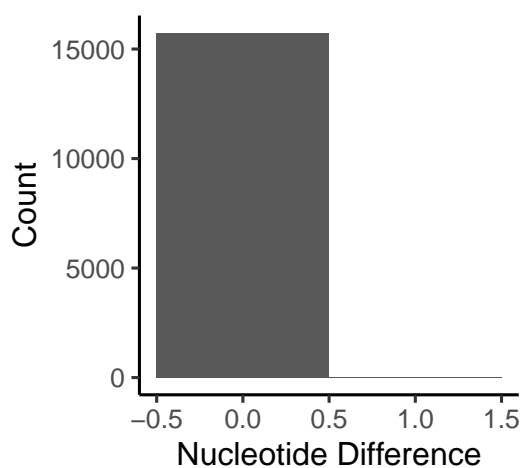
TRBV7–3*ap01

8963 sequences assigned
8929 (99.6%) exact matches, in which:
8927 unique CDR3
13 unique J



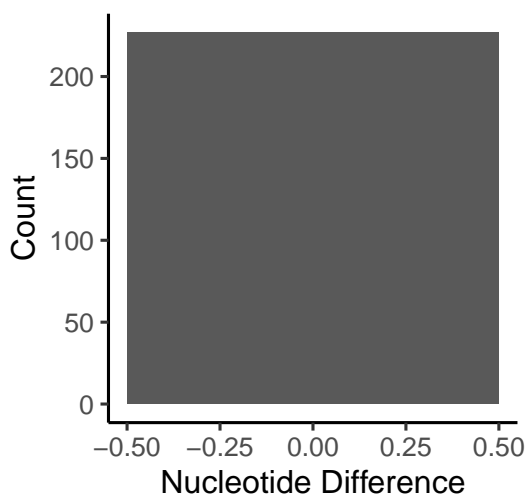
TRBV6–56*ap01

15756 sequences assigned
15742 (99.9%) exact matches, in which:
15730 unique CDR3
13 unique J



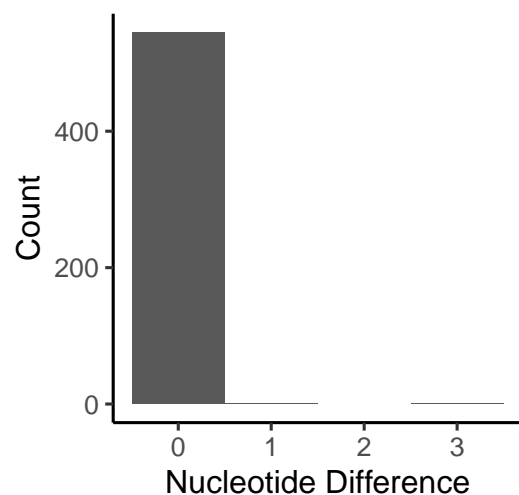
TRBV7–1*ap01_G291C_

227 sequences assigned
227 (100%) exact matches, in which:
227 unique CDR3
12 unique J



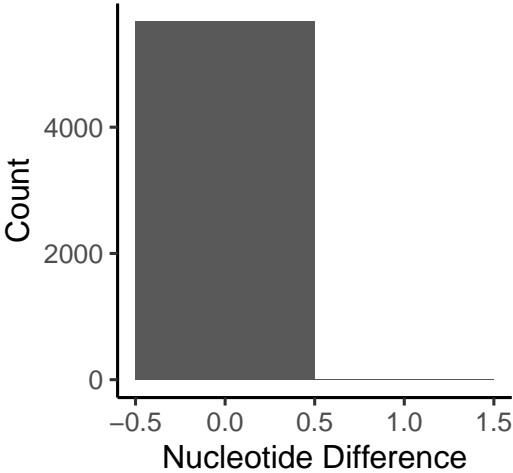
TRBV7–4*ap01

547 sequences assigned
545 (99.6%) exact matches, in which:
545 unique CDR3
13 unique J



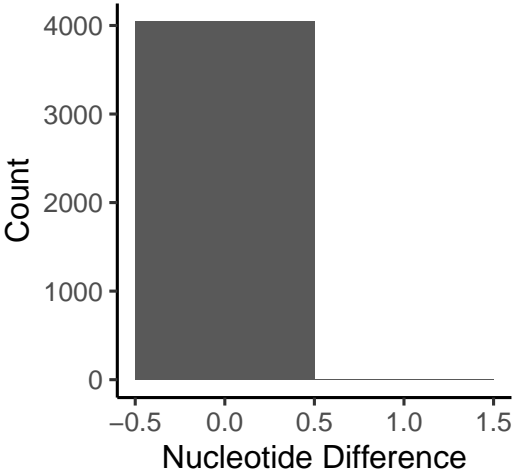
TRBV7-6*ap01

5677 sequences assigned
5676 (100%) exact matches, in which:
5674 unique CDR3
13 unique J



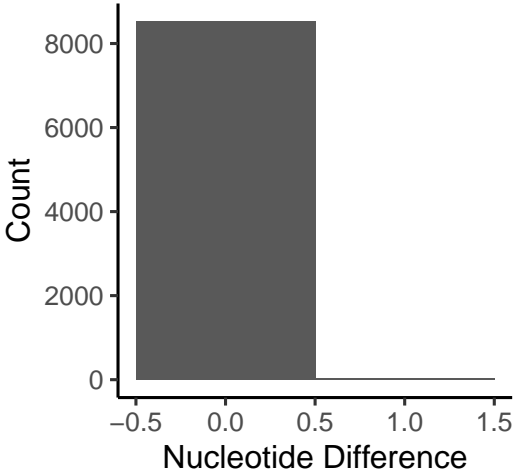
TRBV7-8*ap01

4048 sequences assigned
4046 (100%) exact matches, in which:
4046 unique CDR3
13 unique J



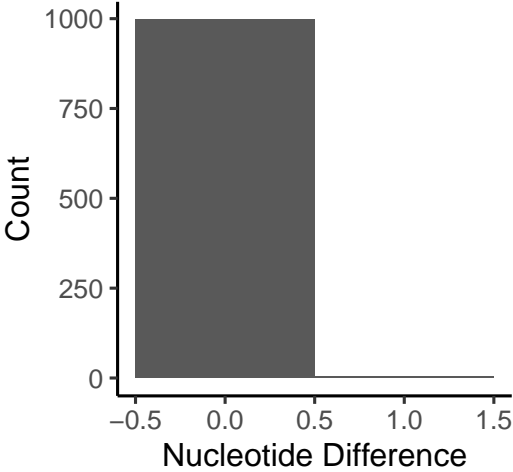
TRBV29-1*ap01

8558 sequences assigned
8526 (99.6%) exact matches, in which:
8507 unique CDR3
13 unique J



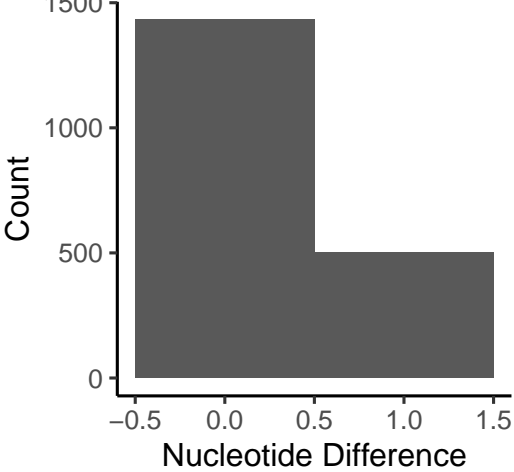
TRBV7-7*ap01

1000 sequences assigned
997 (99.7%) exact matches, in which:
995 unique CDR3
12 unique J



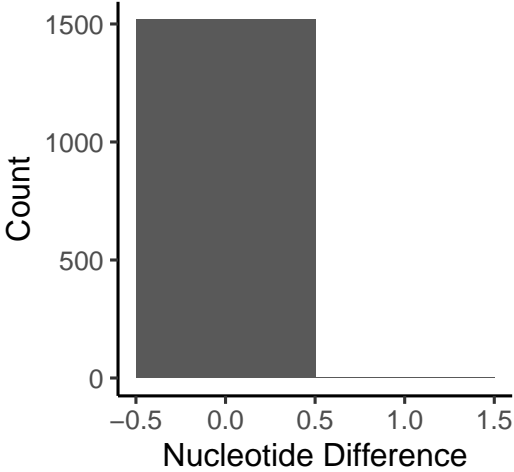
TRBV7-8*ap03

1935 sequences assigned
1432 (74%) exact matches, in which:
1432 unique CDR3
13 unique J



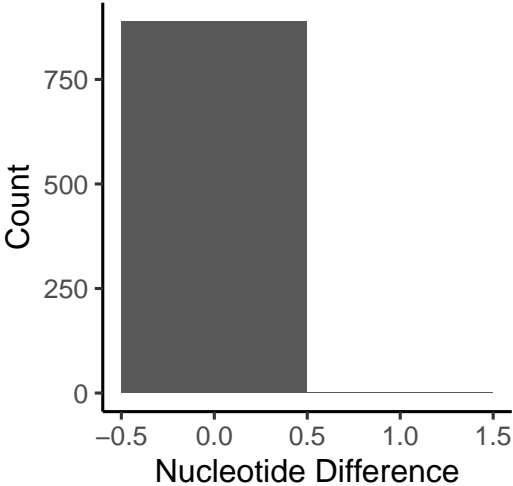
TRBV29-1*ap02

1522 sequences assigned
1518 (99.7%) exact matches, in which:
1515 unique CDR3
13 unique J



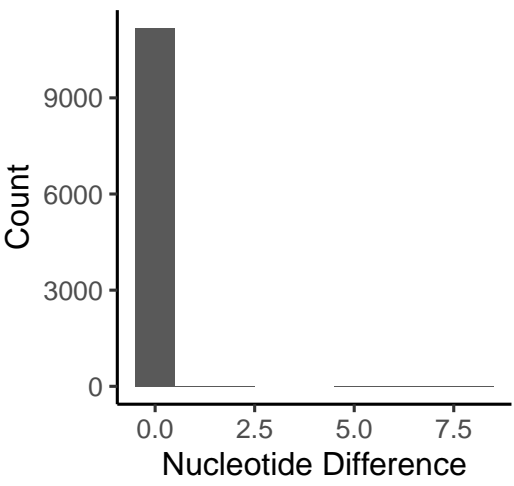
TRBV7-7*ap01_C315T

890 sequences assigned
889 (99.9%) exact matches, in which:
889 unique CDR3
13 unique J

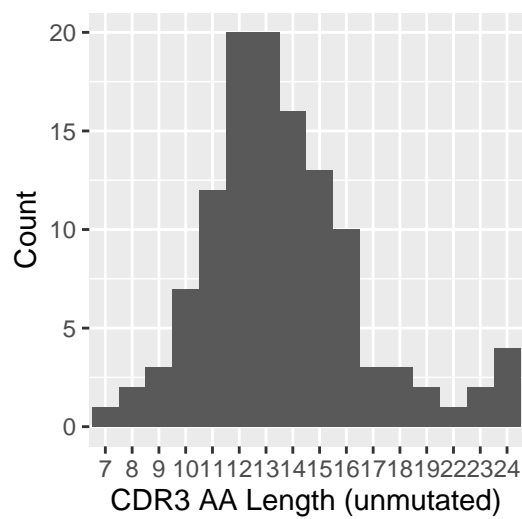


TRBV7-9*ap01

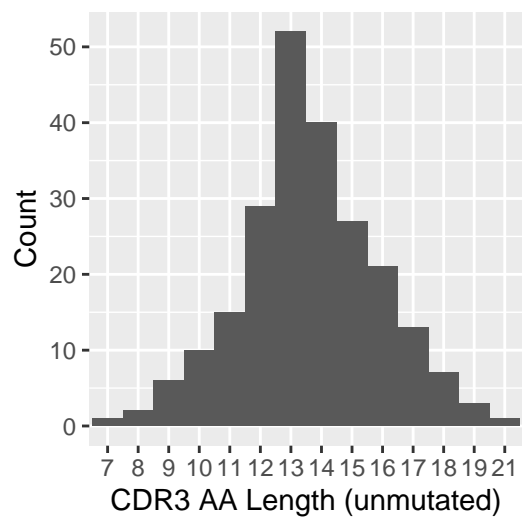
11200 sequences assigned
11178 (99.8%) exact matches, in which:
11177 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-7*ap01_C315T

