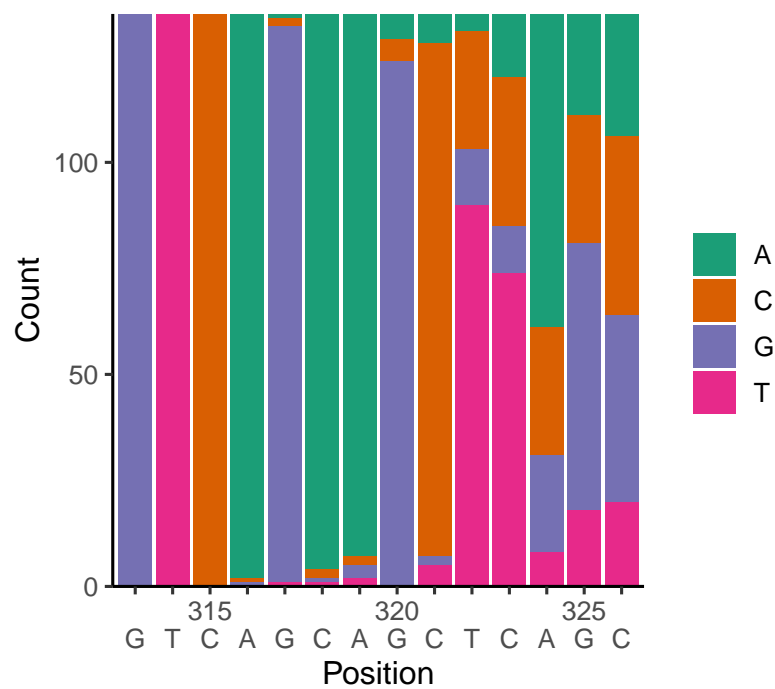
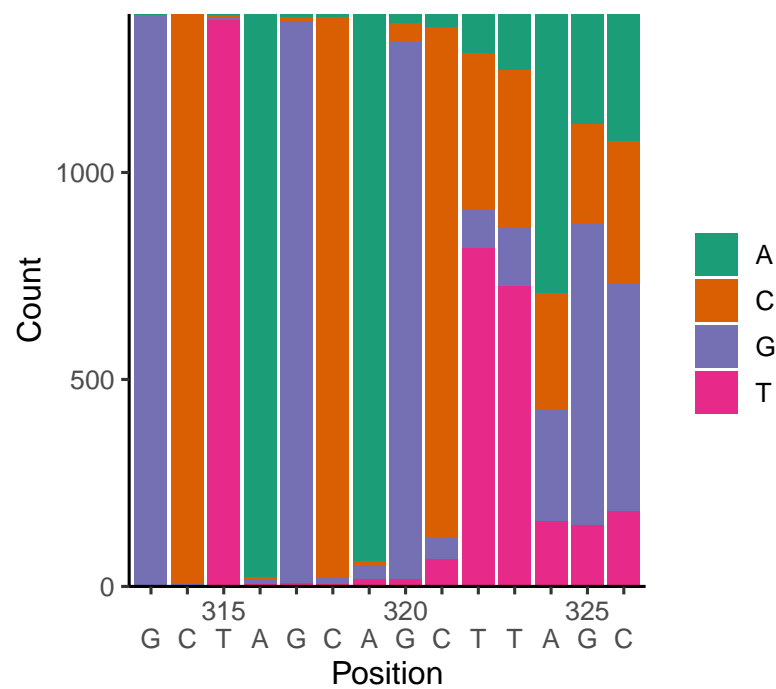


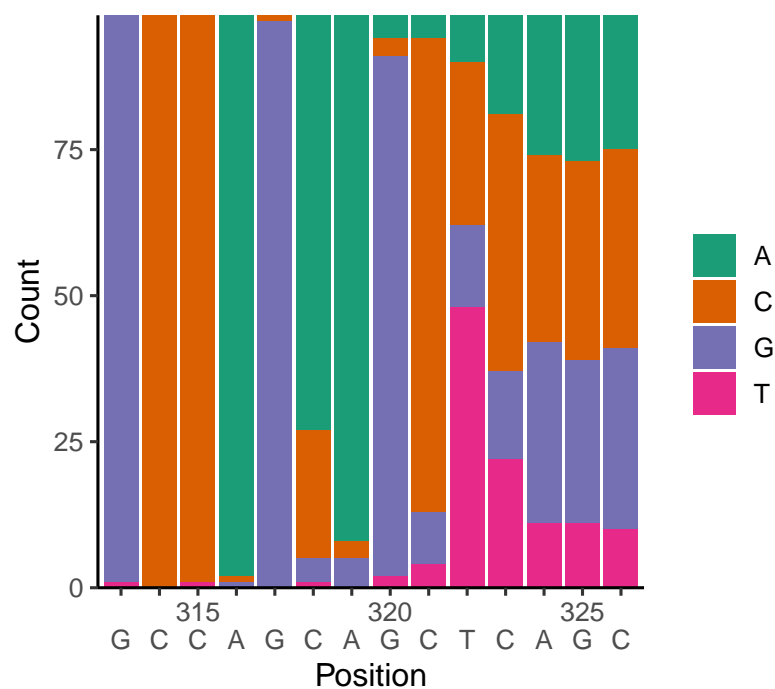
Gene TRBV7-1*ap01_T296C_C314T



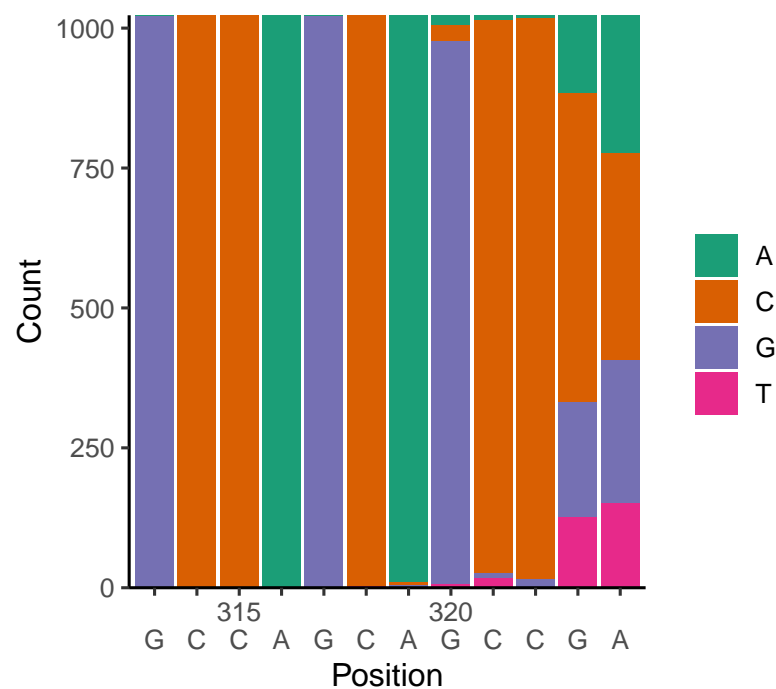
Gene TRBV7-7*ap01_C315T



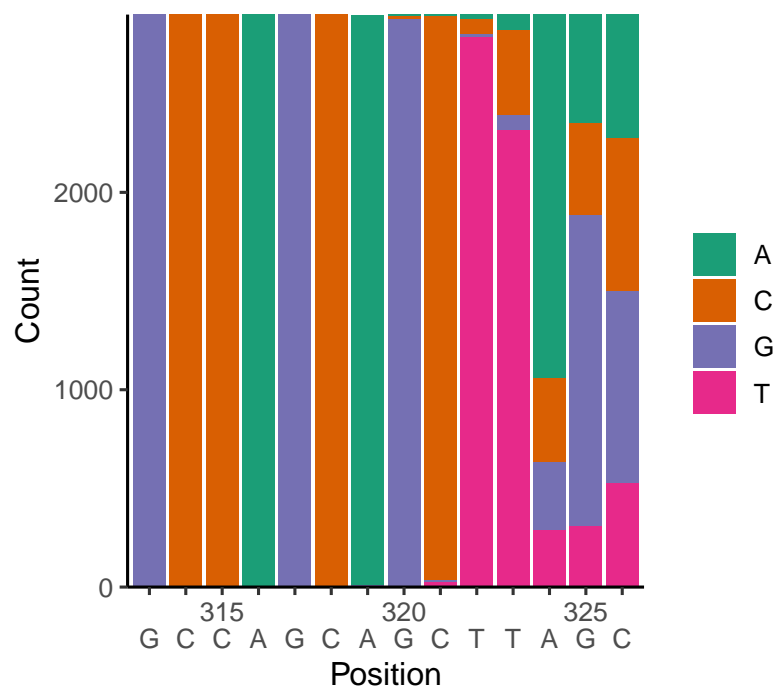
Gene TRBV7-1*ap01_T296C



Gene TRBV7-8*ap03_C297A



Gene TRBV7-2*ap01_G297A



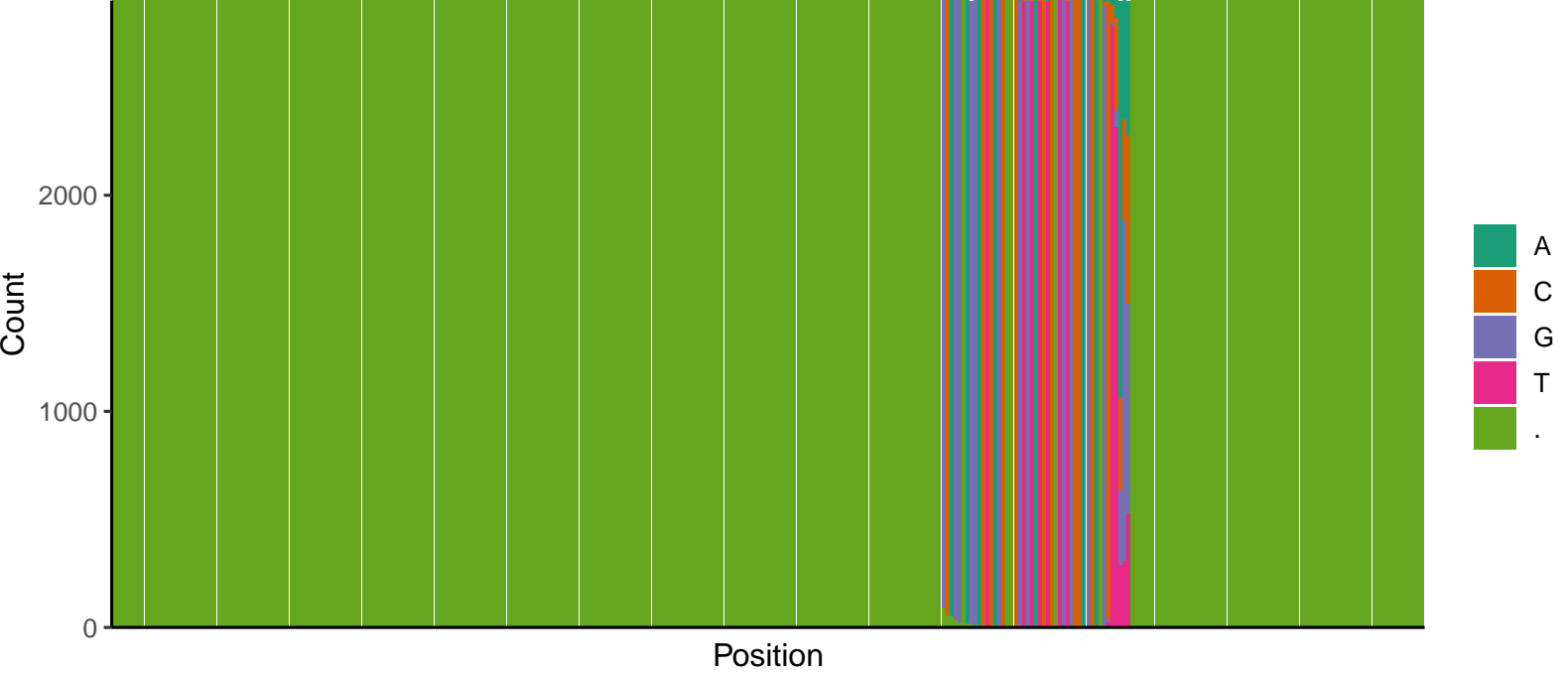
Gene TRBV7-1*ap01_T296C_C314T



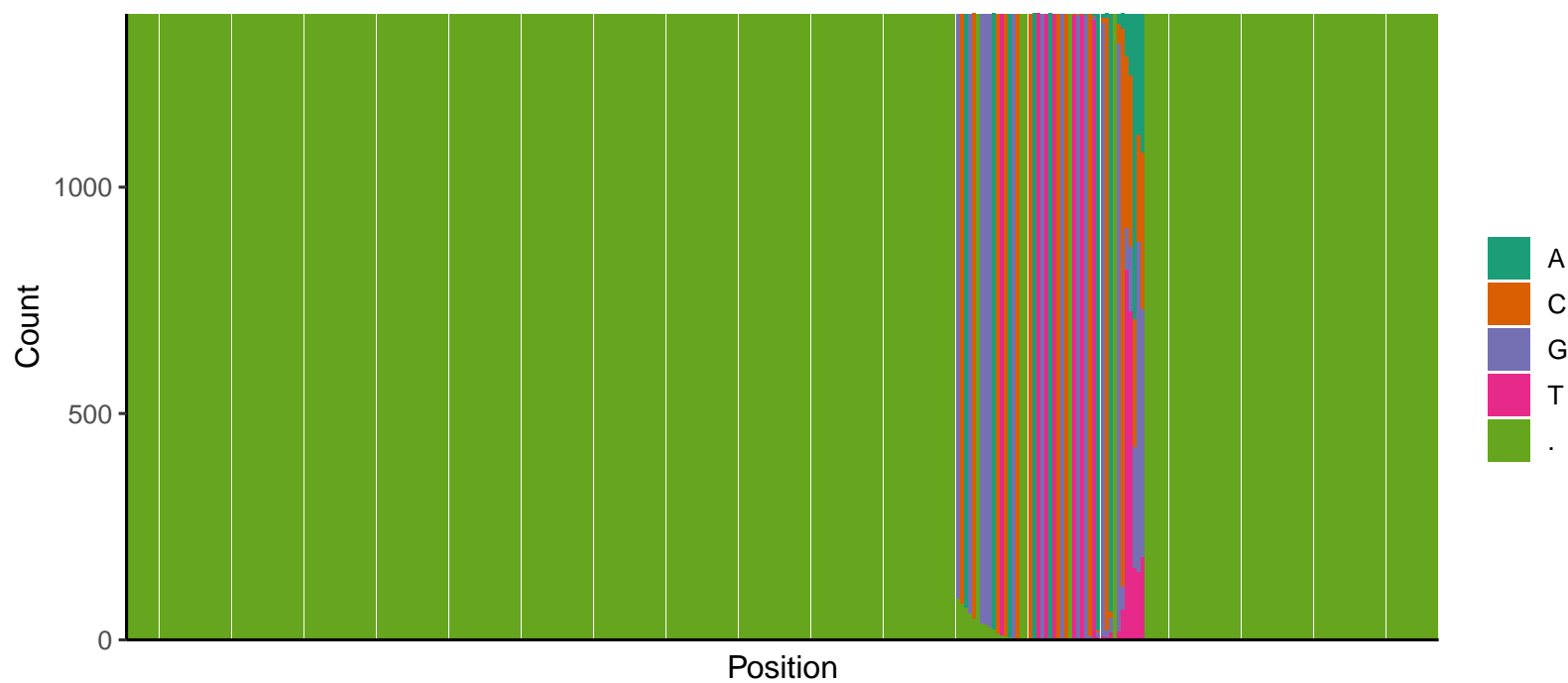
Gene TRBV7-1*ap01_T296C



Gene TRBV7-2*ap01_G297A



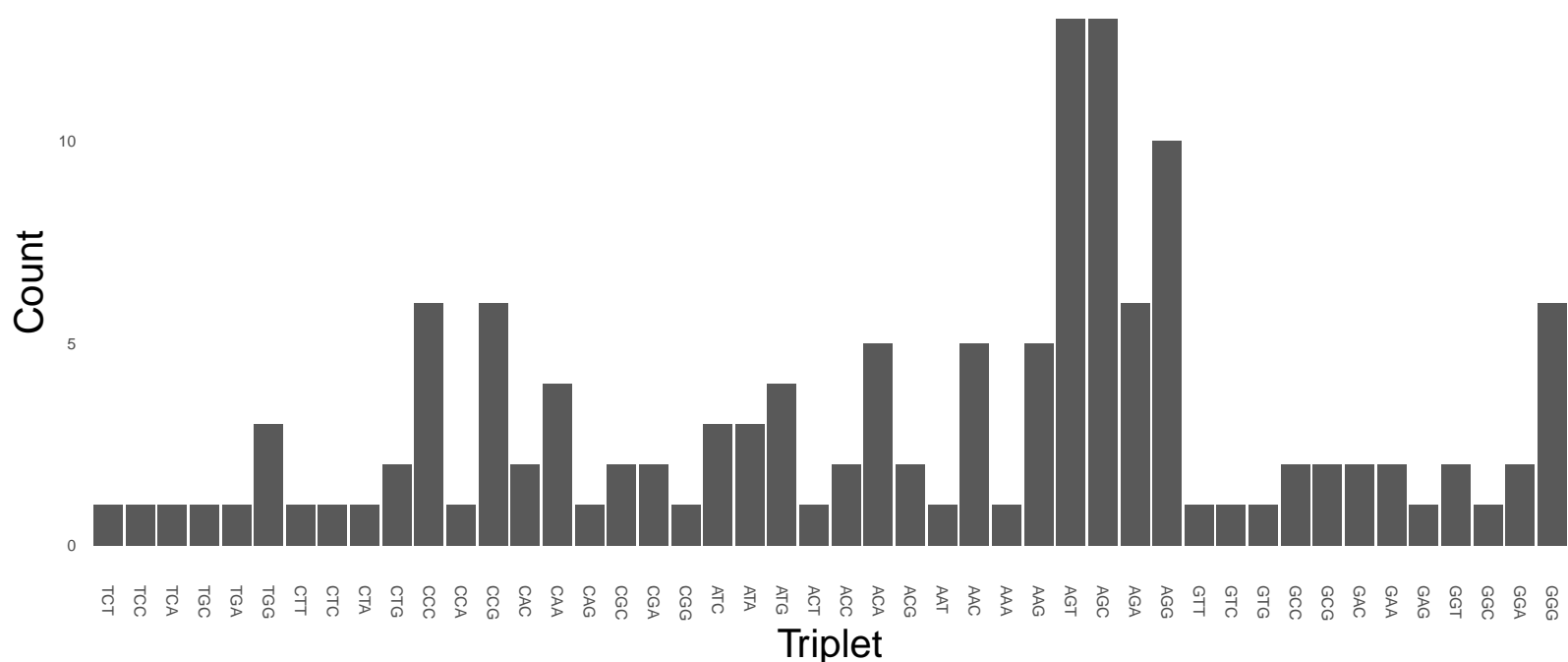
Gene TRBV7-7*ap01_C315T



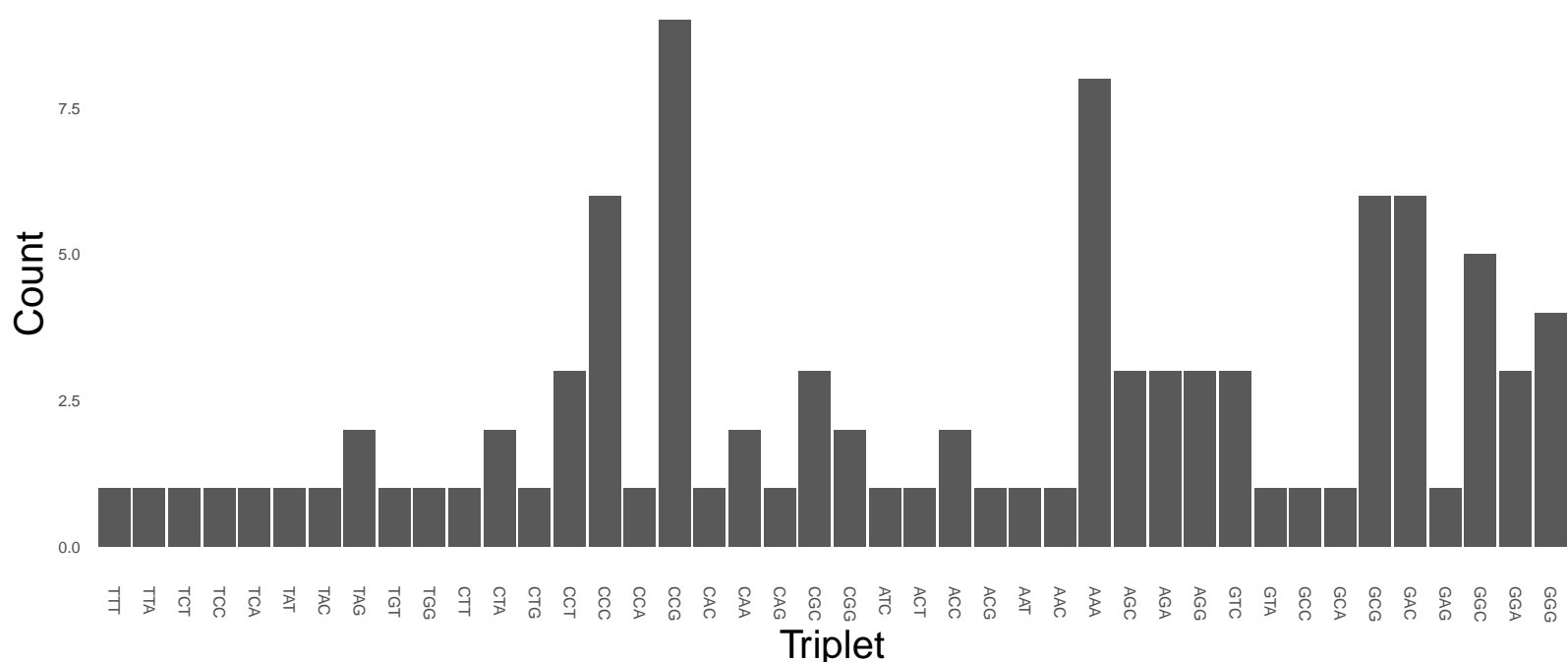
Gene TRBV7-8*ap03_C297A



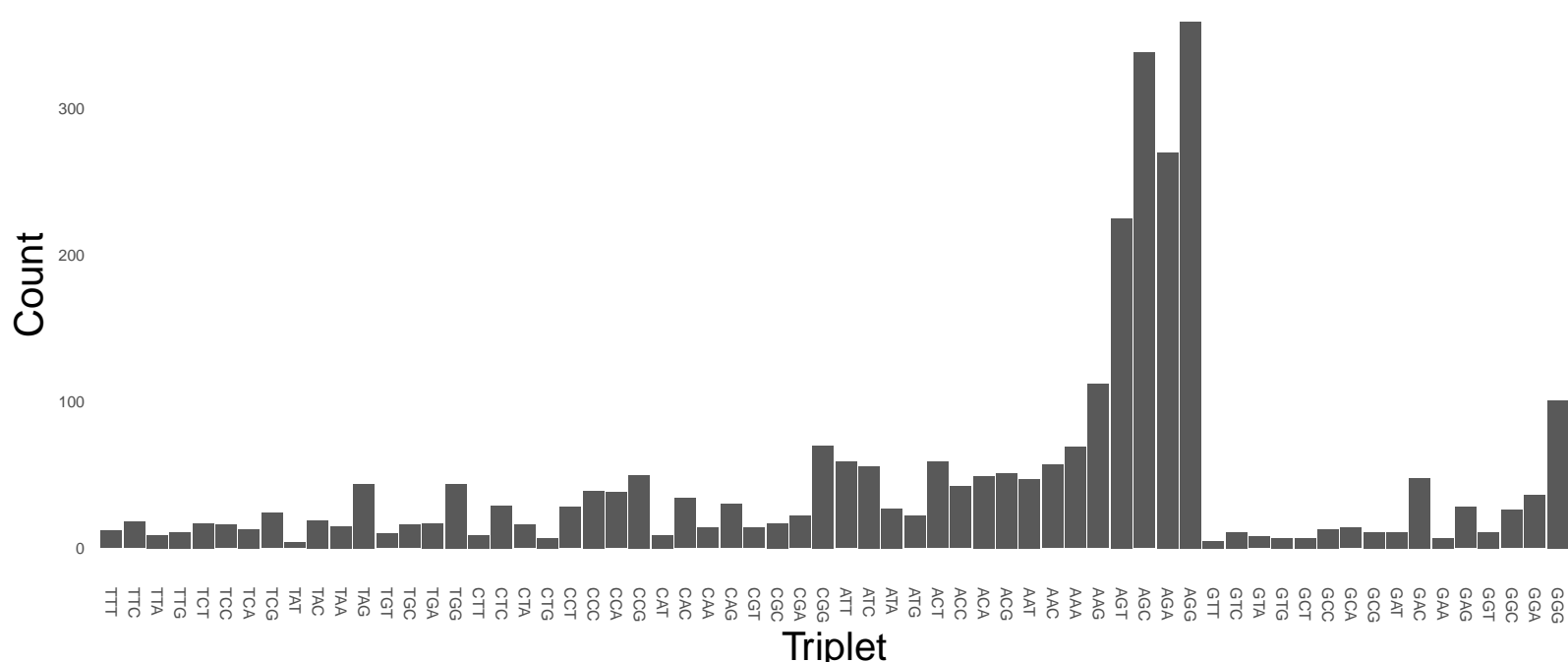
TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet



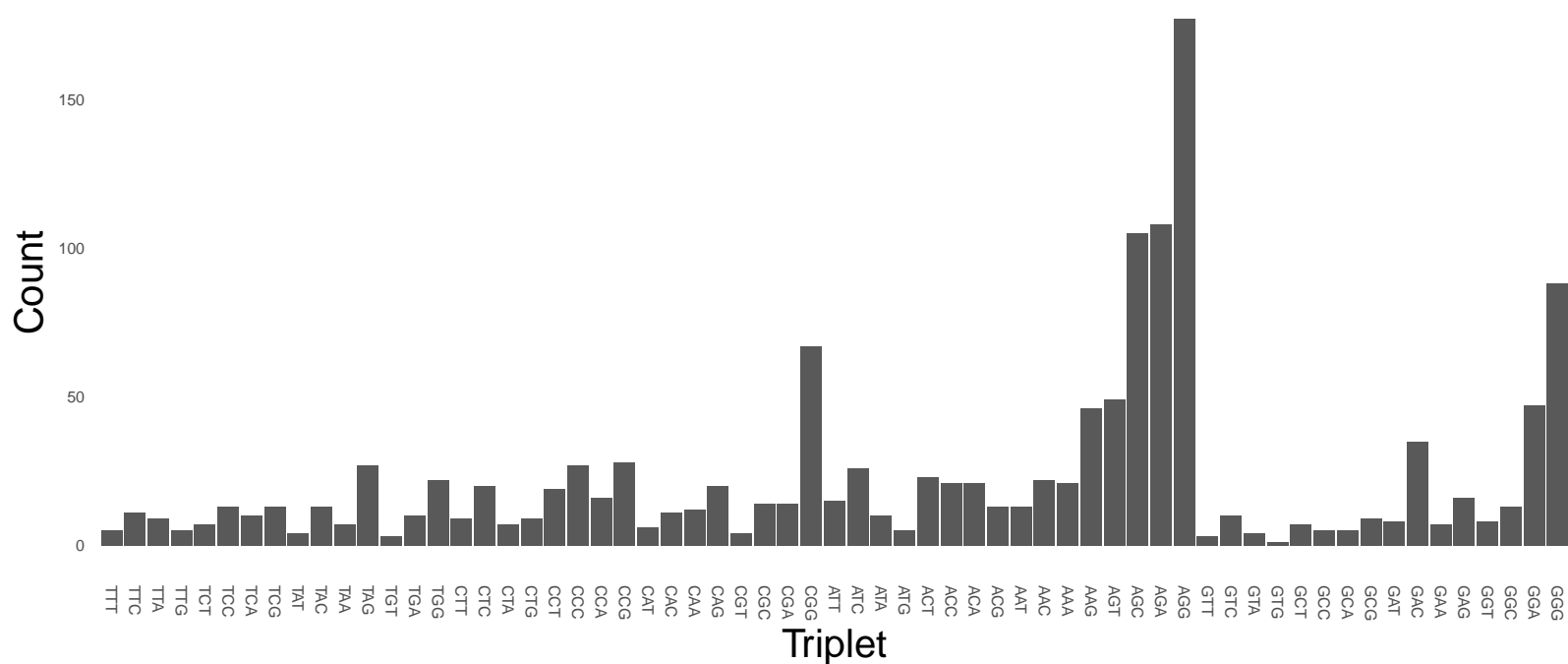
TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet



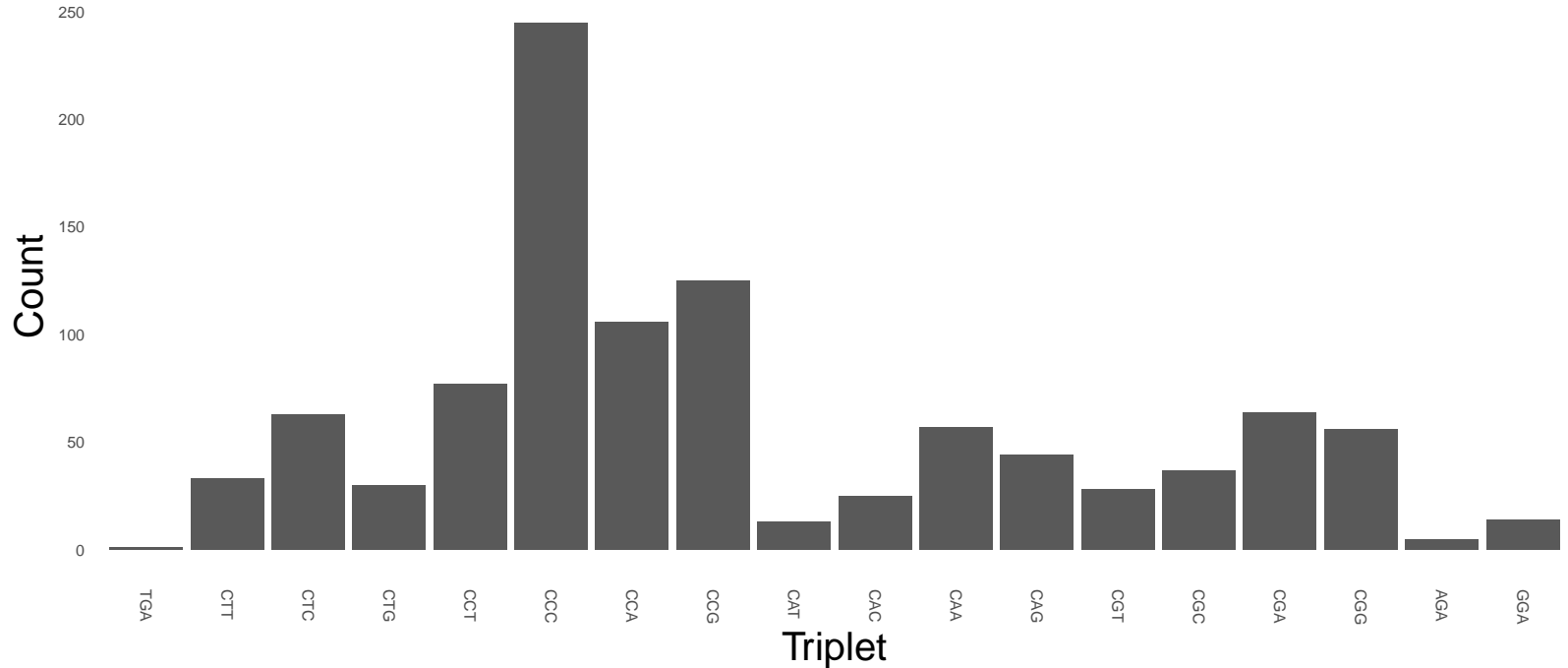
TRBV7-2*ap01_G297A- Final 3 nucleotides as a triplet



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

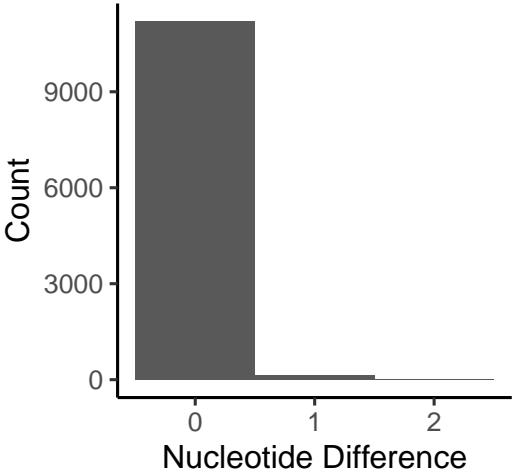


TRBV7-8*ap03_C297A- Final 3 nucleotides as a triplet



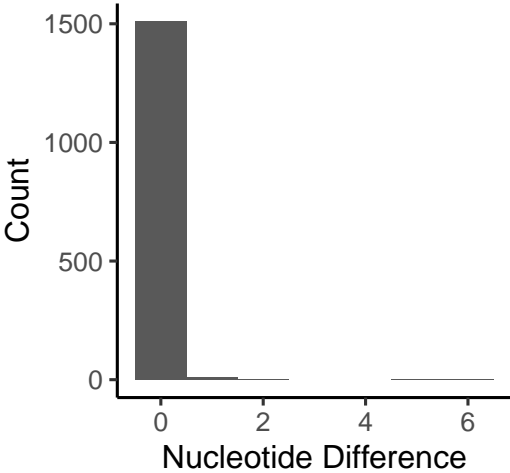
TRBV20-1*ap01

11332 sequences assigned
11199 (98.8%) exact matches, in which:
11003 unique CDR3
13 unique J



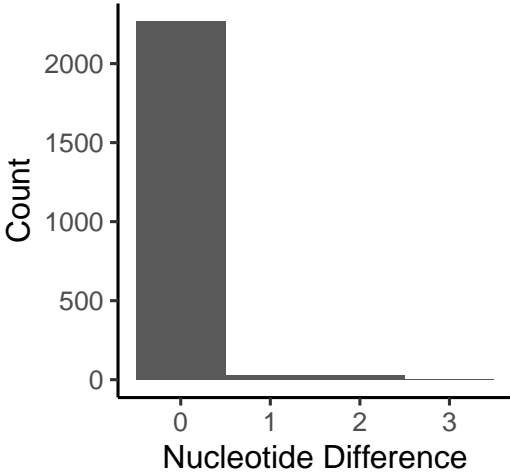
TRBV10-2*ap01

1523 sequences assigned
1510 (99.1%) exact matches, in which:
1470 unique CDR3
13 unique J



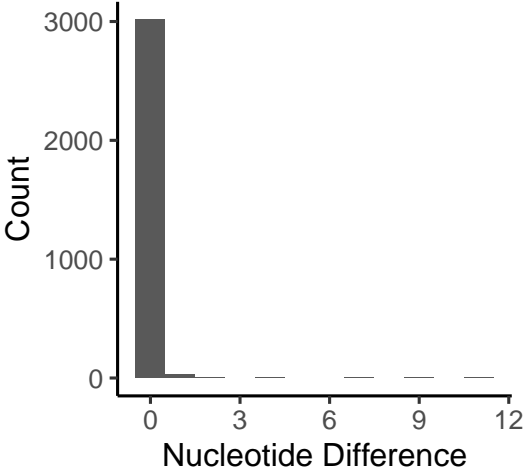
TRBV13*ap01

2327 sequences assigned
2267 (97.4%) exact matches, in which:
2191 unique CDR3
13 unique J



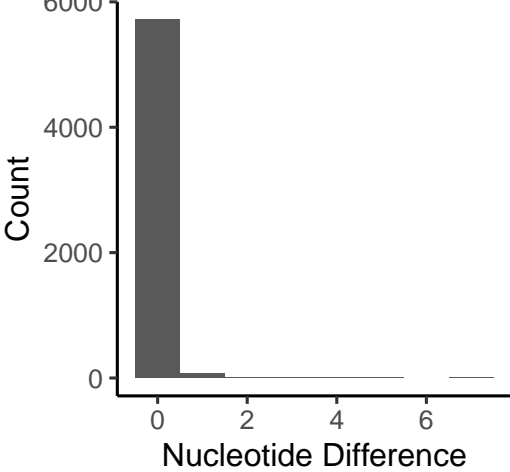
TRBV10-1*ap01

3048 sequences assigned
3015 (98.9%) exact matches, in which:
2925 unique CDR3
13 unique J



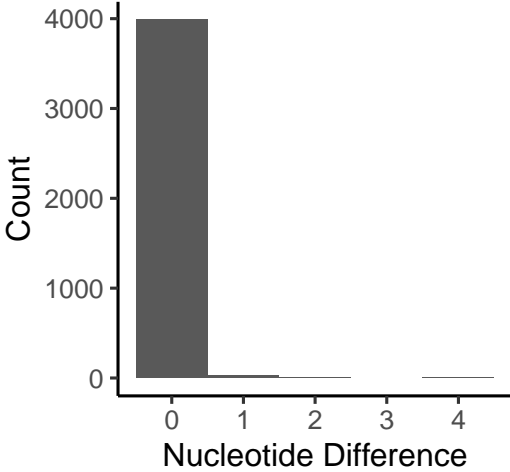
TRBV10-3*ap01

5790 sequences assigned
5715 (98.7%) exact matches, in which:
5571 unique CDR3
13 unique J



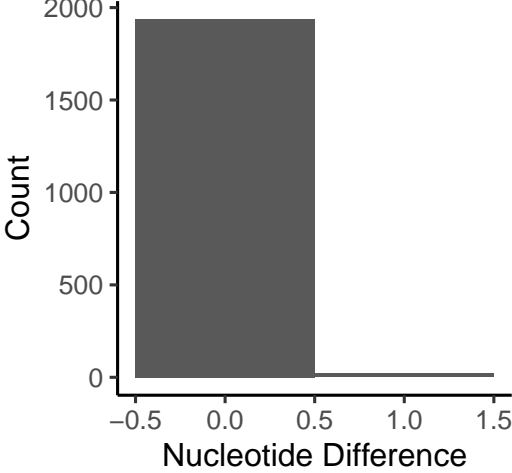
TRBV14*ap01

4015 sequences assigned
3988 (99.3%) exact matches, in which:
3929 unique CDR3
13 unique J



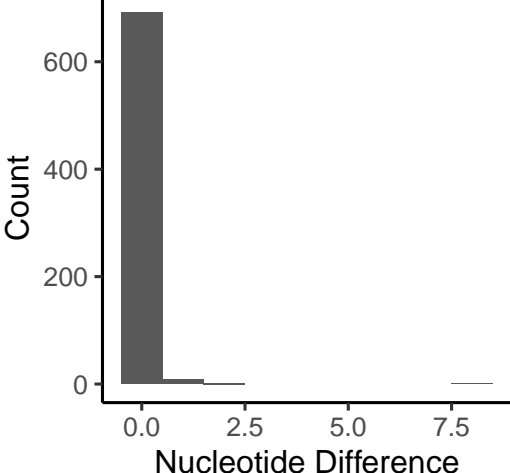
TRBV20-1*ap02

1959 sequences assigned
1938 (98.9%) exact matches, in which:
1902 unique CDR3
13 unique J



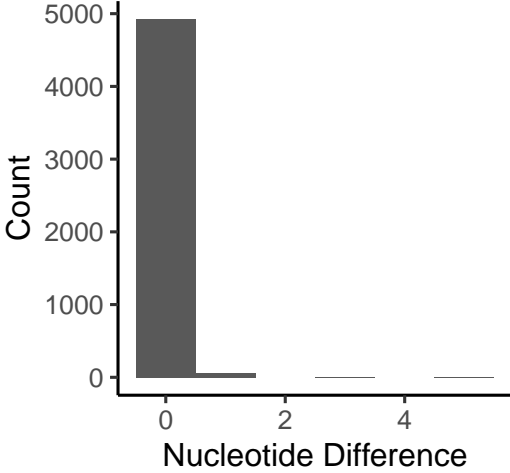
TRBV1*ap01

704 sequences assigned
692 (98.3%) exact matches, in which:
675 unique CDR3
13 unique J



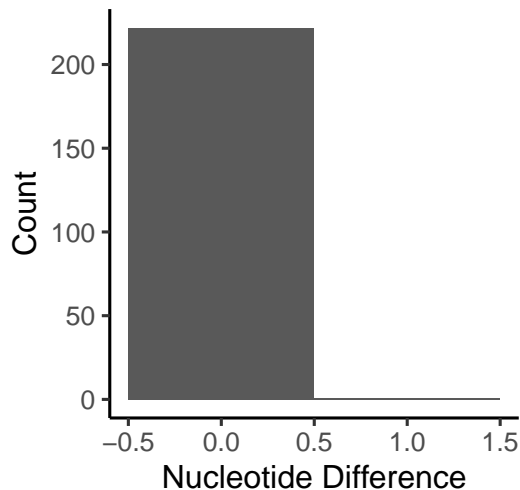
TRBV15*ap02

4988 sequences assigned
4926 (98.8%) exact matches, in which:
4822 unique CDR3
13 unique J



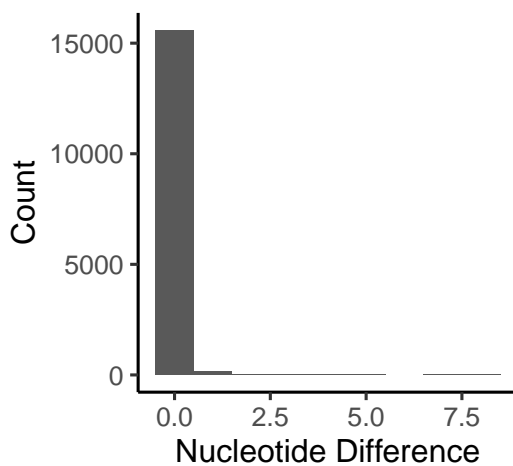
TRBV16*ap01

223 sequences assigned
222 (99.6%) exact matches, in which:
218 unique CDR3
13 unique J



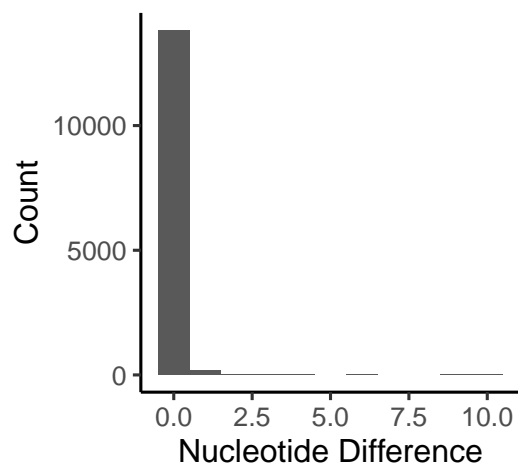
TRBV19*ap01

15742 sequences assigned
15589 (99%) exact matches, in which:
15440 unique CDR3
13 unique J



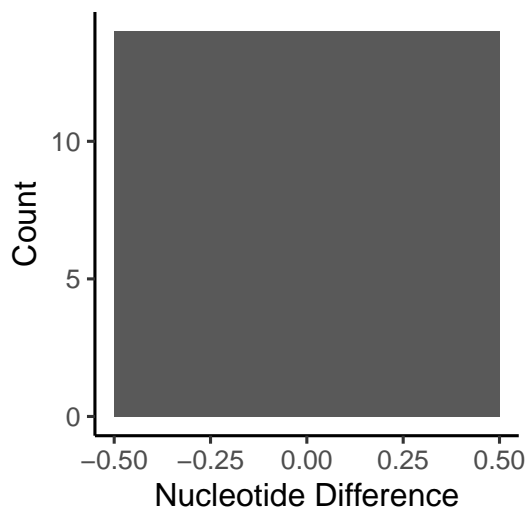
TRBV27*ap01

14019 sequences assigned
13827 (98.6%) exact matches, in which:
13421 unique CDR3
13 unique J



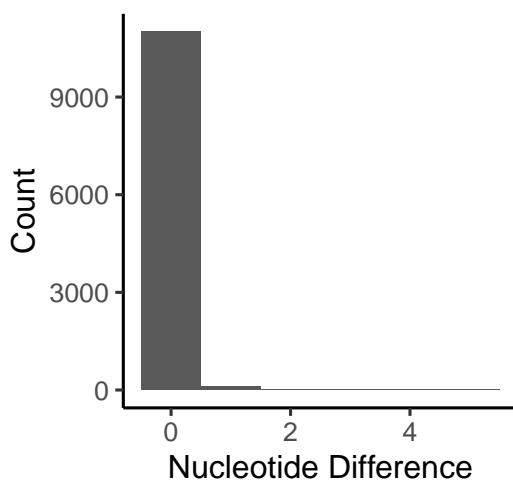
TRBV17*ap01

14 sequences assigned
14 (100%) exact matches, in which:
14 unique CDR3
7 unique J



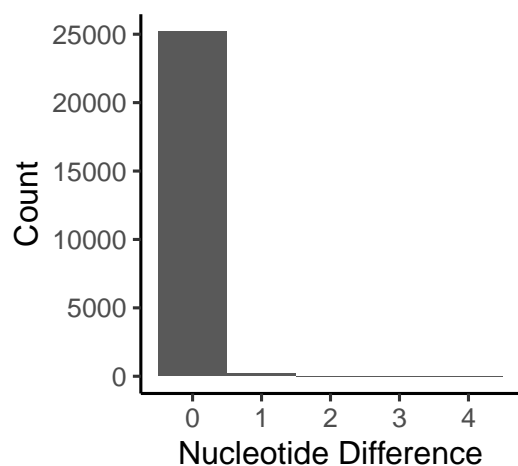
TRBV2*ap01

11137 sequences assigned
11006 (98.8%) exact matches, in which:
10710 unique CDR3
13 unique J



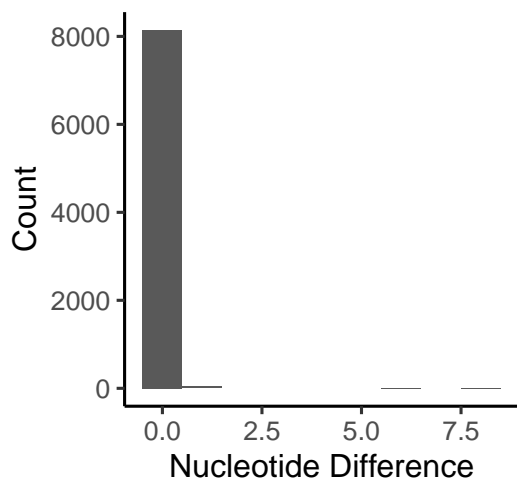
TRBV28*ap01

25421 sequences assigned
25202 (99.1%) exact matches, in which:
24800 unique CDR3
13 unique J



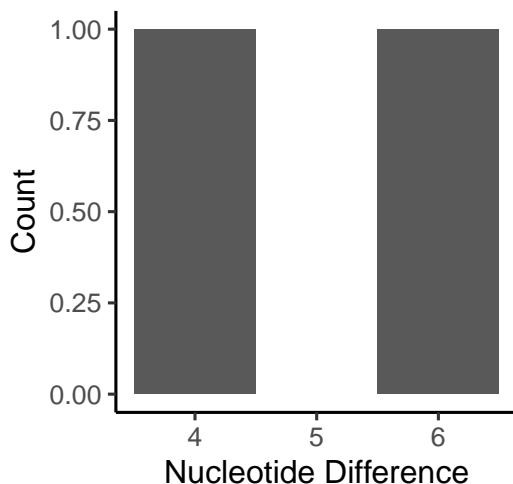
TRBV18*ap01

8188 sequences assigned
8144 (99.5%) exact matches, in which:
8074 unique CDR3
13 unique J



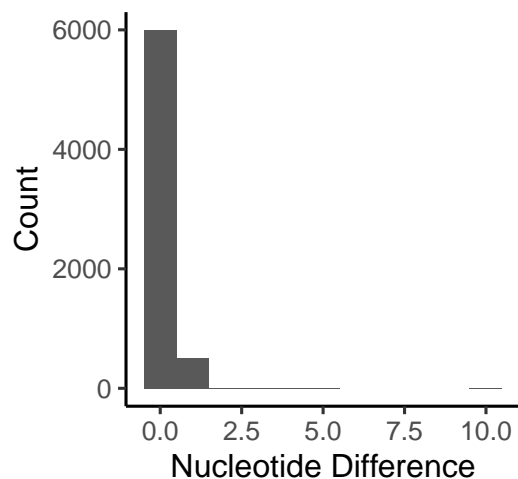
TRBV26*ap01

2 sequences assigned
No exact matches.



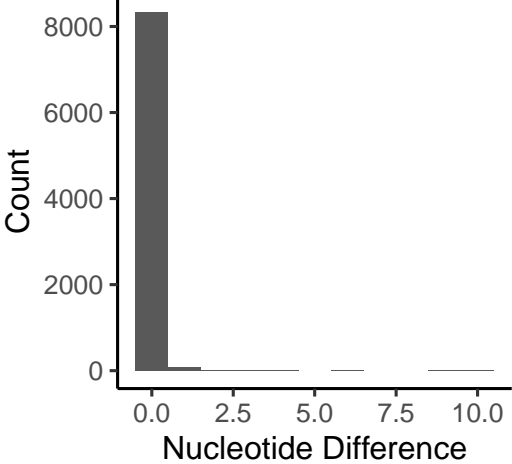
TRBV30*ap01

6520 sequences assigned
5997 (92%) exact matches, in which:
5855 unique CDR3
13 unique J



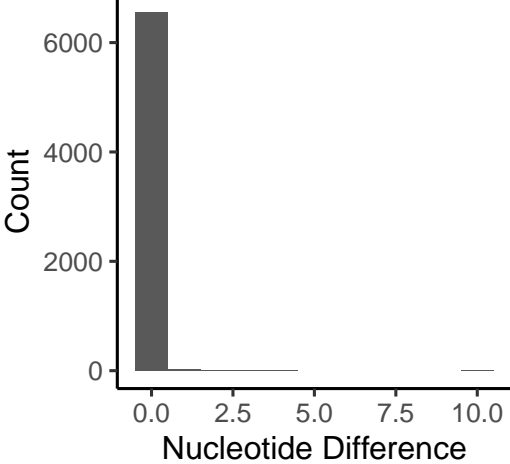
TRBV9*ap01

8410 sequences assigned
8327 (99%) exact matches, in which:
8180 unique CDR3
13 unique J



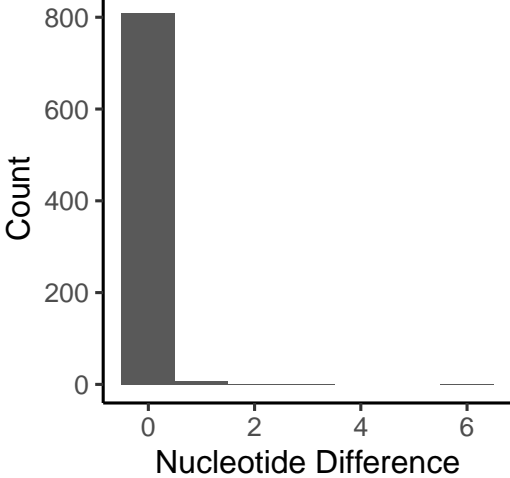
TRBV11-2*ap01

6591 sequences assigned
6552 (99.4%) exact matches, in which:
6456 unique CDR3
13 unique J



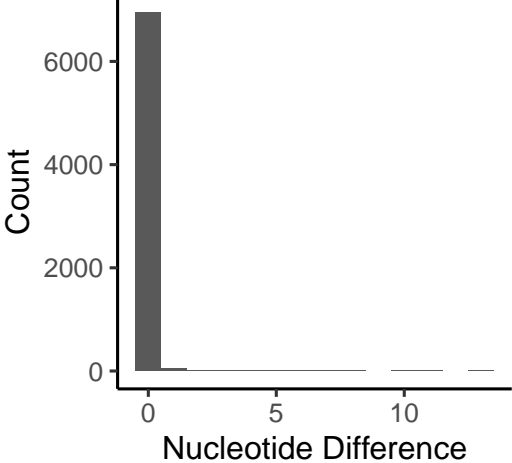
TRBV12-2*ap01

821 sequences assigned
810 (98.7%) exact matches, in which:
798 unique CDR3
13 unique J



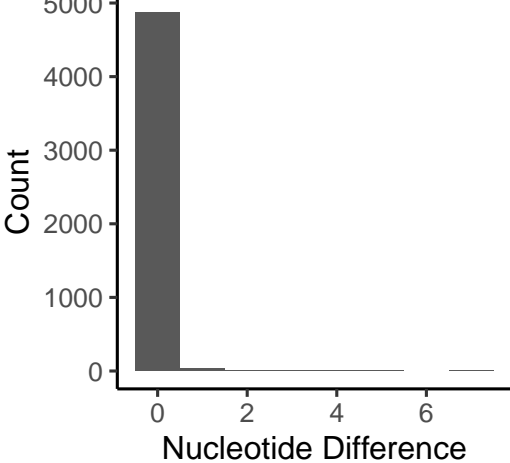
TRBV21-1*ap01

7039 sequences assigned
6944 (98.7%) exact matches, in which:
6869 unique CDR3
13 unique J



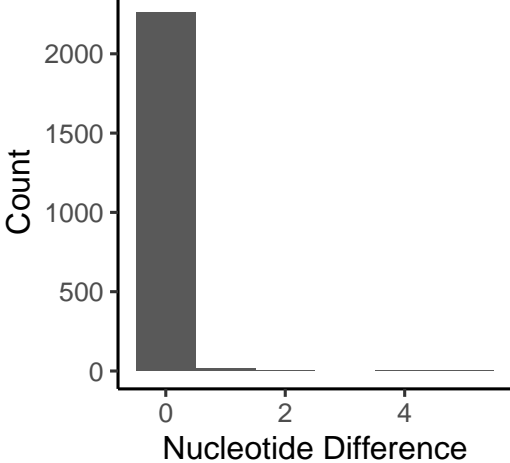
TRBV11-3*ap01

4906 sequences assigned
4868 (99.2%) exact matches, in which:
4807 unique CDR3
13 unique J



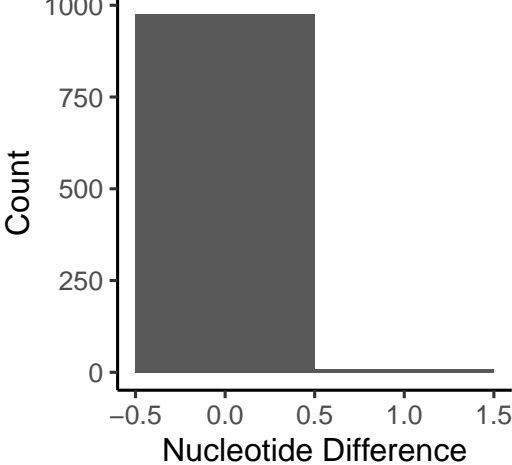
TRBV12-5*ap01

2280 sequences assigned
2259 (99.1%) exact matches, in which:
2209 unique CDR3
13 unique J



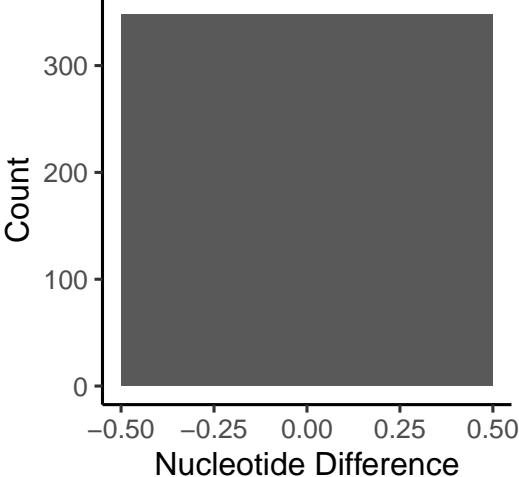
TRBV11-1*ap01

985 sequences assigned
976 (99.1%) exact matches, in which:
957 unique CDR3
13 unique J



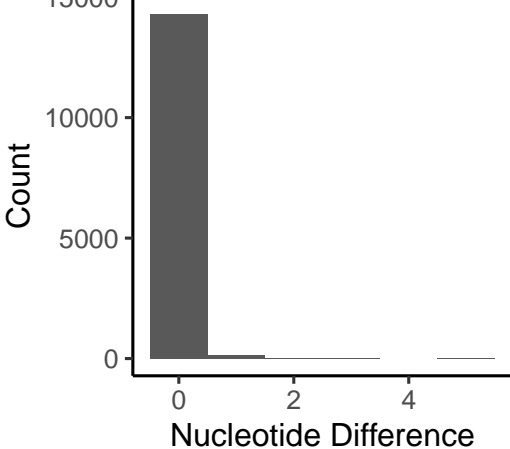
TRBV12-1*ap01

348 sequences assigned
348 (100%) exact matches, in which:
339 unique CDR3
13 unique J



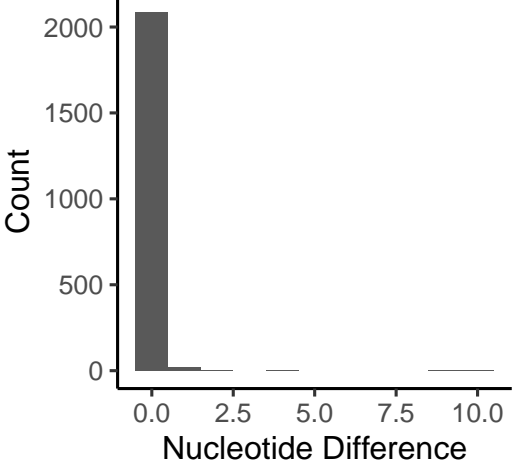
TRBV12-34*ap01

14458 sequences assigned
14309 (99%) exact matches, in which:
14013 unique CDR3
13 unique J



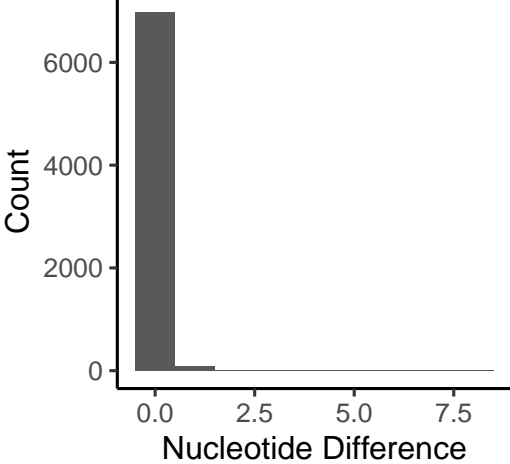
TRBV23-1*ap01

2109 sequences assigned
2085 (98.9%) exact matches, in which:
2039 unique CDR3
13 unique J



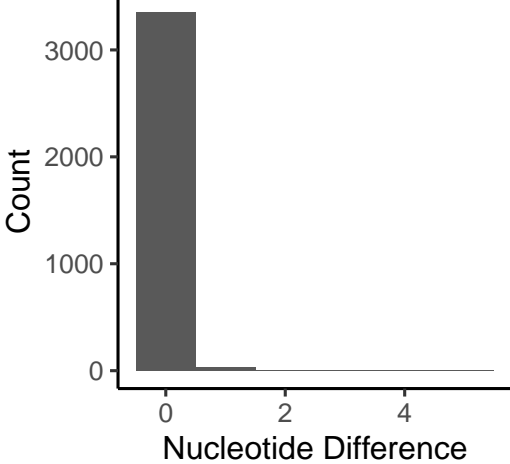
TRBV4-1*ap01

7069 sequences assigned
6973 (98.6%) exact matches, in which:
6775 unique CDR3
13 unique J



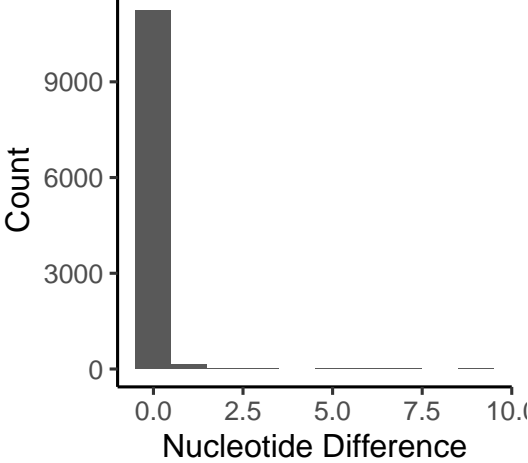
TRBV25-1*ap01

3392 sequences assigned
3351 (98.8%) exact matches, in which:
3265 unique CDR3
13 unique J



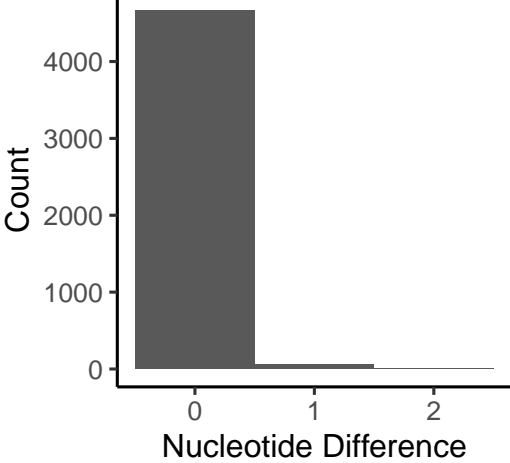
TRBV3-12*ap01

11383 sequences assigned
11228 (98.6%) exact matches, in which:
10950 unique CDR3
13 unique J



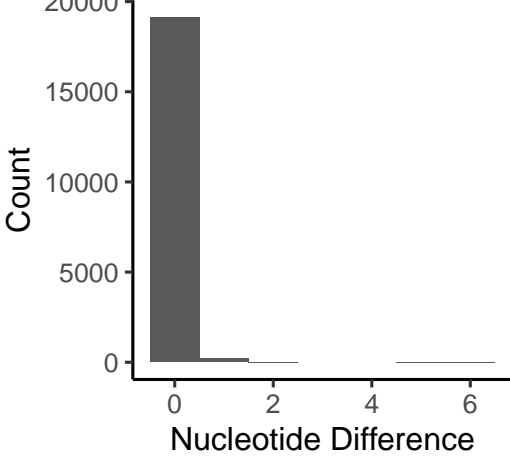
TRBV4-2*ap01

4723 sequences assigned
4661 (98.7%) exact matches, in which:
4536 unique CDR3
13 unique J



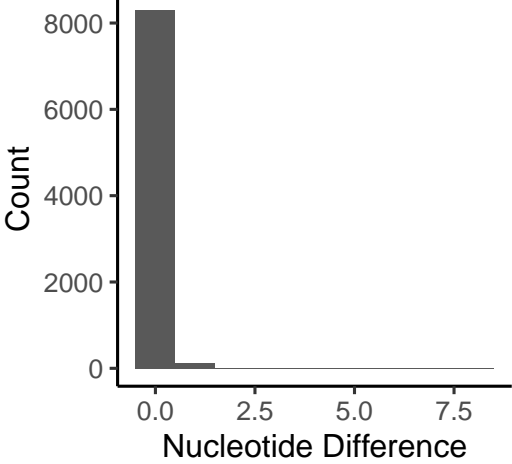
TRBV5-1*ap01

19318 sequences assigned
19120 (99%) exact matches, in which:
18584 unique CDR3
13 unique J



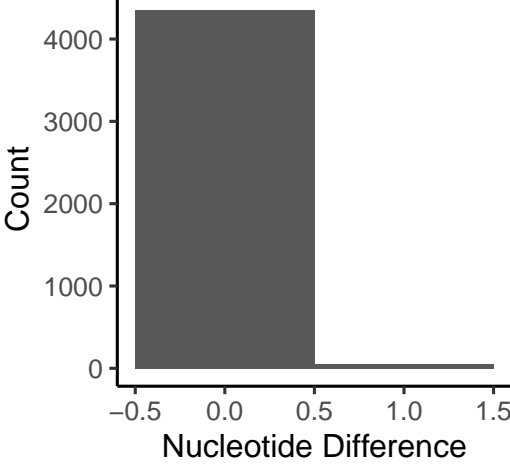
TRBV24-1*ap01

8436 sequences assigned
8301 (98.4%) exact matches, in which:
8117 unique CDR3
13 unique J



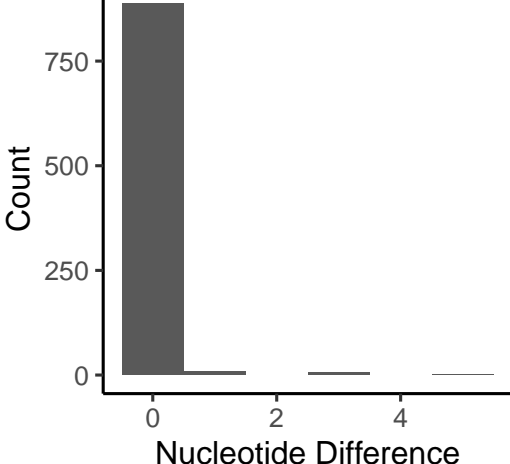
TRBV4-3*ap01

4403 sequences assigned
4352 (98.8%) exact matches, in which:
4243 unique CDR3
13 unique J



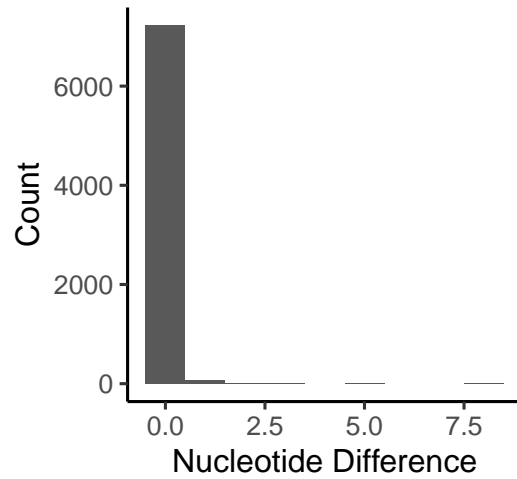
TRBV5-3*ap01

903 sequences assigned
888 (98.3%) exact matches, in which:
873 unique CDR3
13 unique J



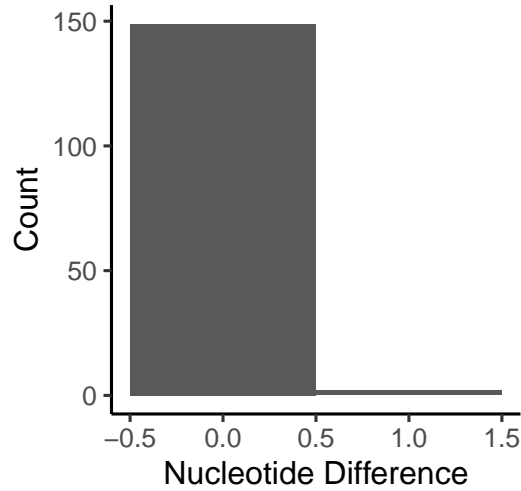
TRBV5-4*ap01

7307 sequences assigned
7224 (98.9%) exact matches, in which:
7054 unique CDR3
13 unique J



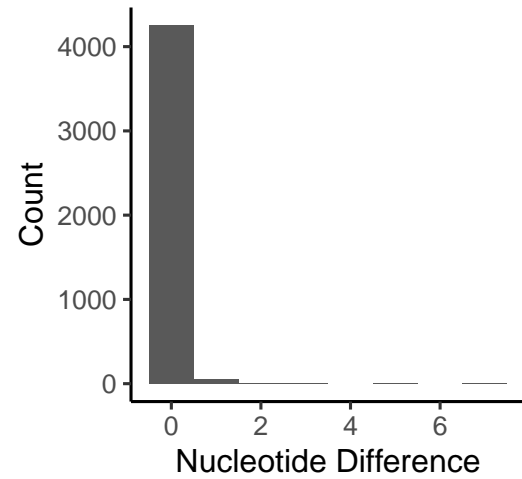
TRBV5-7*ap01

151 sequences assigned
149 (98.7%) exact matches, in which:
141 unique CDR3
13 unique J



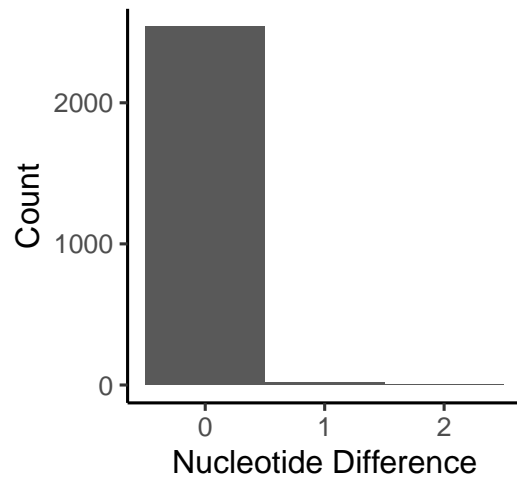
TRBV6-4*ap01

4314 sequences assigned
4252 (98.6%) exact matches, in which:
4194 unique CDR3
13 unique J



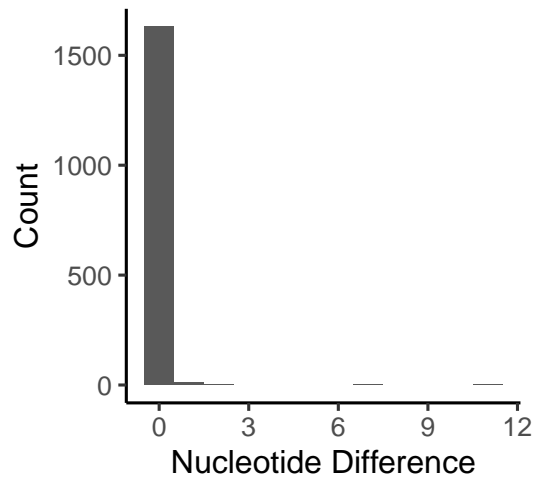
TRBV5-5*ap01

2558 sequences assigned
2539 (99.3%) exact matches, in which:
2513 unique CDR3
13 unique J



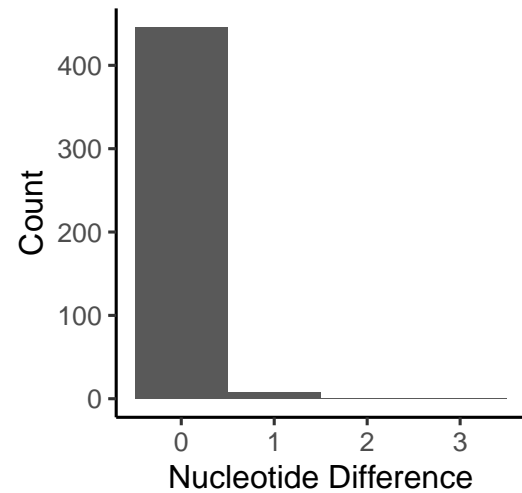
TRBV5-8*ap01

1646 sequences assigned
1630 (99%) exact matches, in which:
1616 unique CDR3
13 unique J



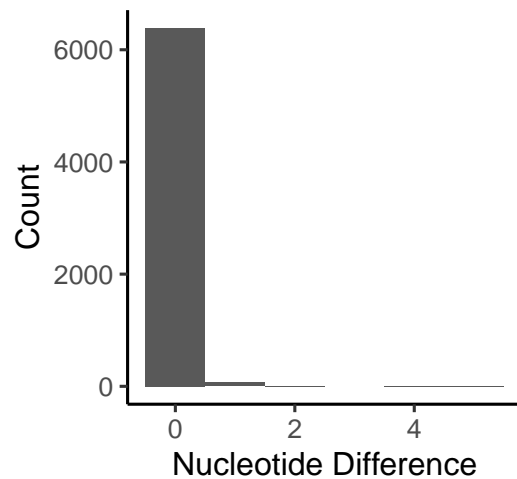
TRBV6-7*ap01

456 sequences assigned
446 (97.8%) exact matches, in which:
439 unique CDR3
13 unique J



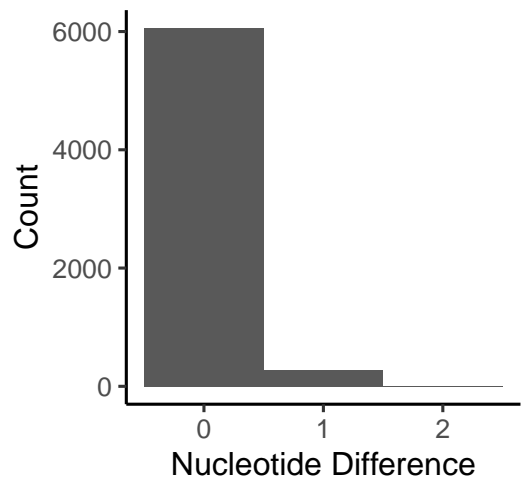
TRBV5-6*ap01

6459 sequences assigned
6387 (98.9%) exact matches, in which:
6161 unique CDR3
13 unique J



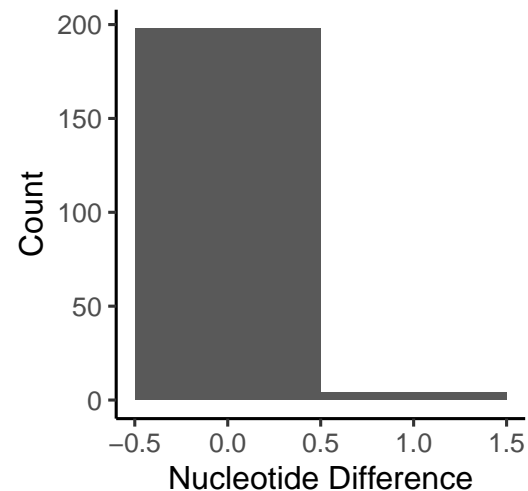
TRBV6-1*ap01

6334 sequences assigned
6059 (95.7%) exact matches, in which:
5878 unique CDR3
13 unique J



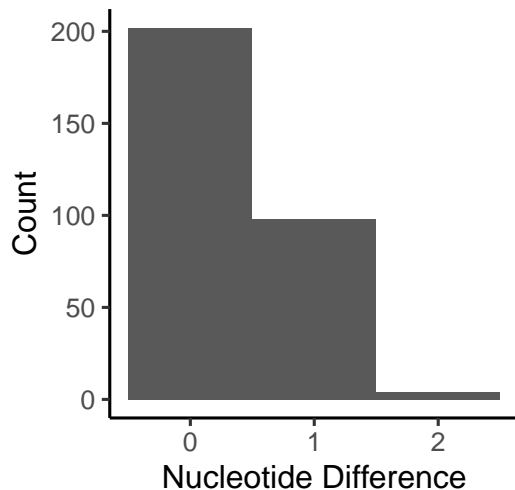
TRBV6-8*ap01

202 sequences assigned
198 (98%) exact matches, in which:
192 unique CDR3
13 unique J



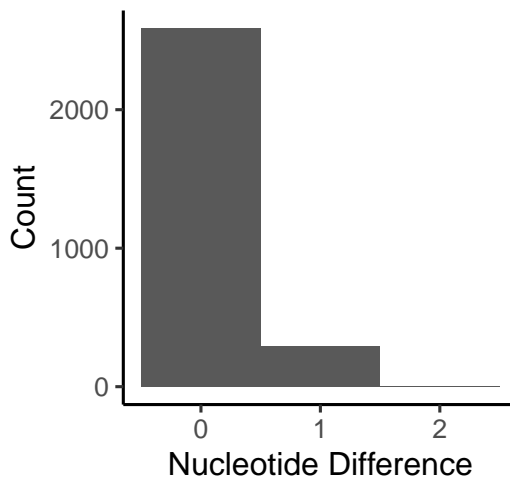
TRBV6–9*ap01

304 sequences assigned
202 (66.4%) exact matches, in which:
196 unique CDR3
13 unique J



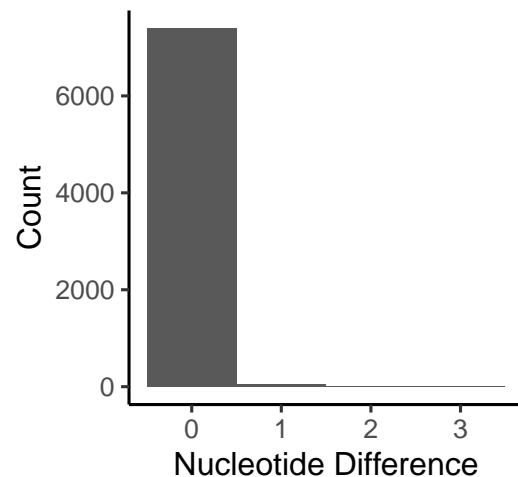
TRBV6–56*ap02

2885 sequences assigned
2587 (89.7%) exact matches, in which:
2511 unique CDR3
13 unique J



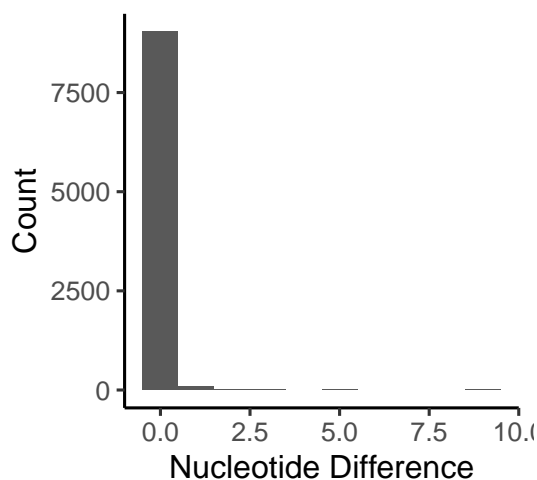
TRBV7–2*ap01

7453 sequences assigned
7393 (99.2%) exact matches, in which:
7281 unique CDR3
13 unique J



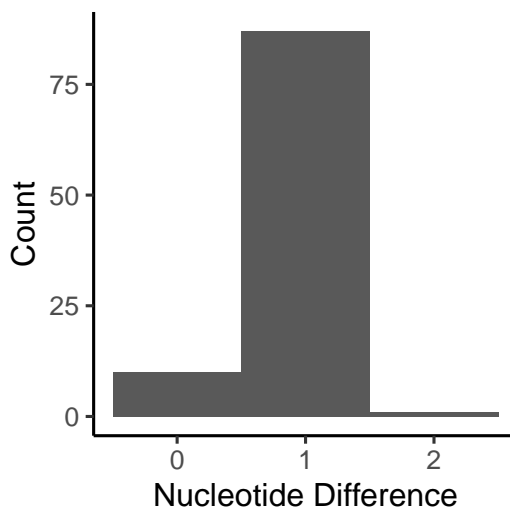
TRBV6–23*ap01

9131 sequences assigned
9034 (98.9%) exact matches, in which:
8708 unique CDR3
13 unique J



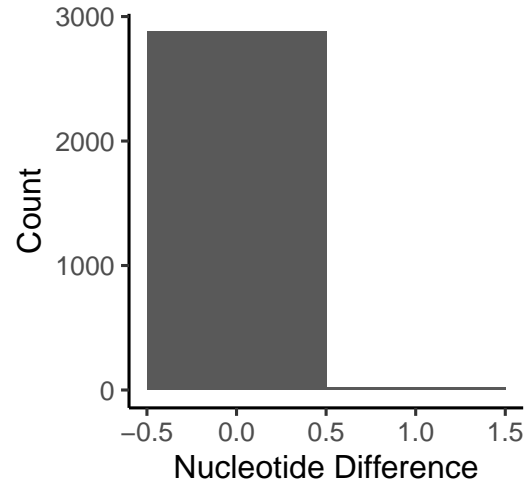
TRBV7–1*ap01_T296C

98 sequences assigned
10 (10.2%) exact matches, in which:
10 unique CDR3
5 unique J



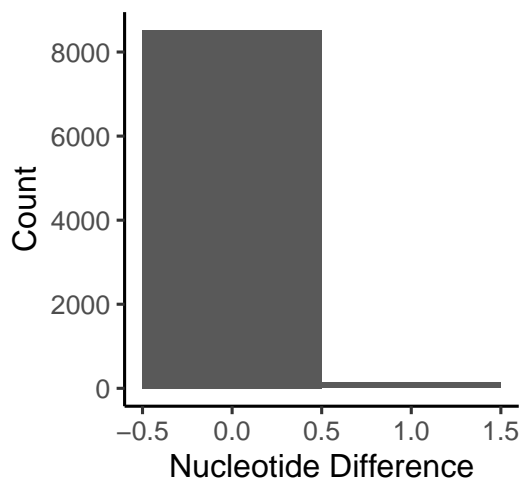
TRBV7–2*ap01_G297A

2901 sequences assigned
2878 (99.2%) exact matches, in which:
2840 unique CDR3
13 unique J



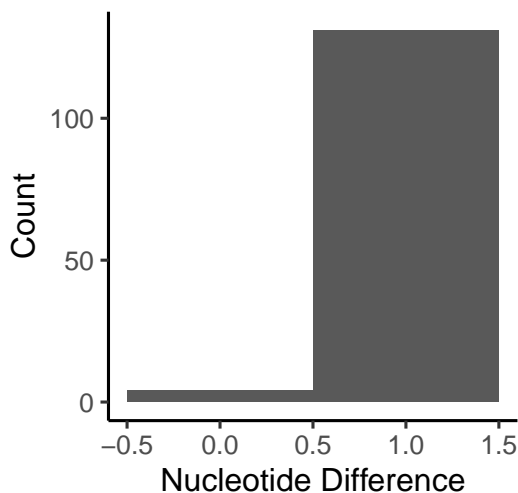
TRBV6–56*ap01

8658 sequences assigned
8523 (98.4%) exact matches, in which:
8246 unique CDR3
13 unique J



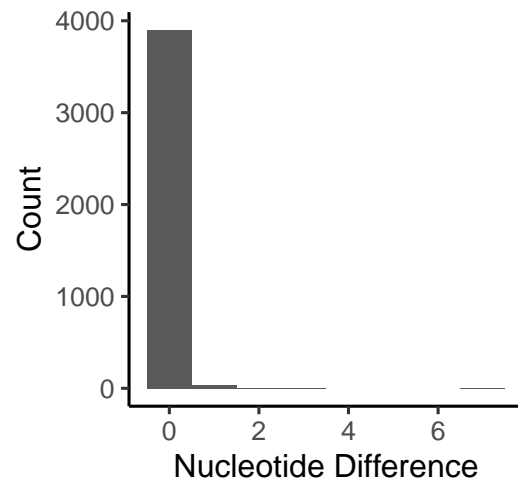
TRBV7–1*ap01_T296C_()

135 sequences assigned
4 (3%) exact matches, in which:
4 unique CDR3
4 unique J



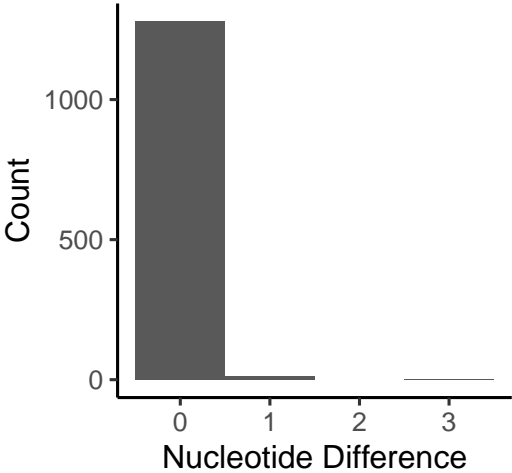
TRBV7–3*ap01

3938 sequences assigned
3899 (99%) exact matches, in which:
3841 unique CDR3
13 unique J



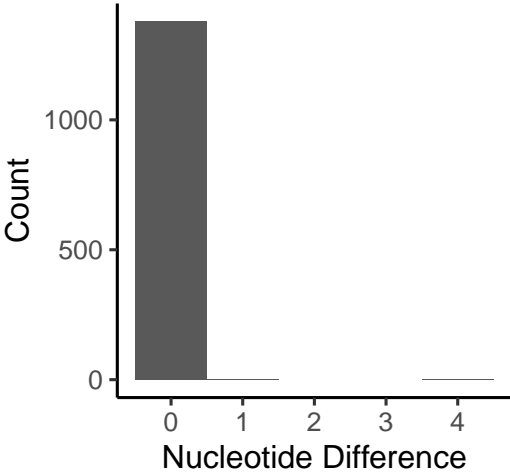
TRBV7-3*ap03

1294 sequences assigned
1279 (98.8%) exact matches, in which:
1257 unique CDR3
13 unique J



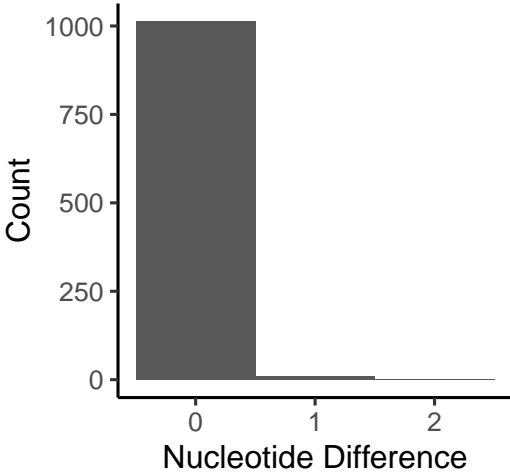
TRBV7-7*ap01_C315T

1383 sequences assigned
1379 (99.7%) exact matches, in which:
1348 unique CDR3
13 unique J



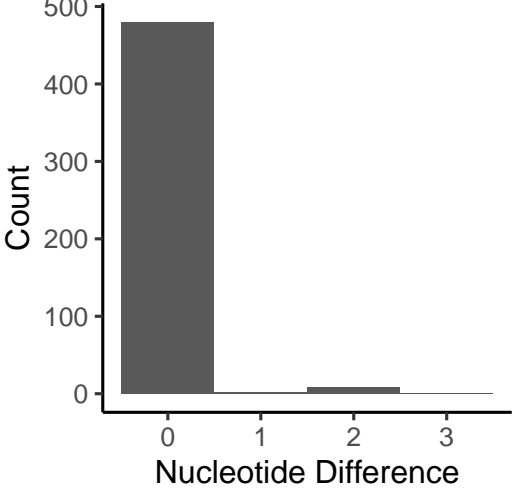
TRBV7-8*ap03_C297A

1023 sequences assigned
1013 (99%) exact matches, in which:
991 unique CDR3
13 unique J



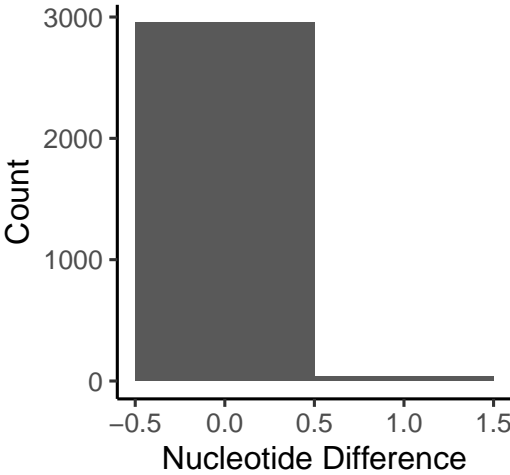
TRBV7-4*ap01

492 sequences assigned
480 (97.6%) exact matches, in which:
459 unique CDR3
13 unique J



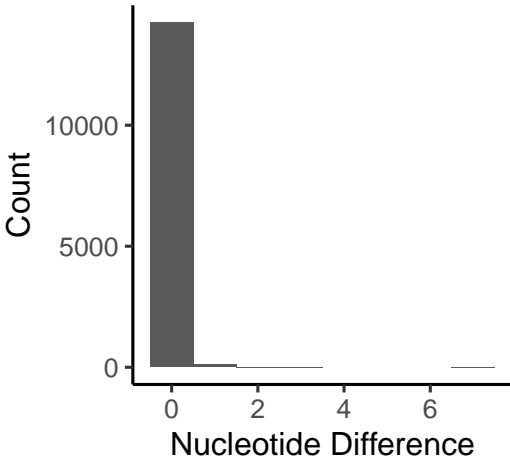
TRBV7-8*ap01

2987 sequences assigned
2953 (98.9%) exact matches, in which:
2879 unique CDR3
13 unique J



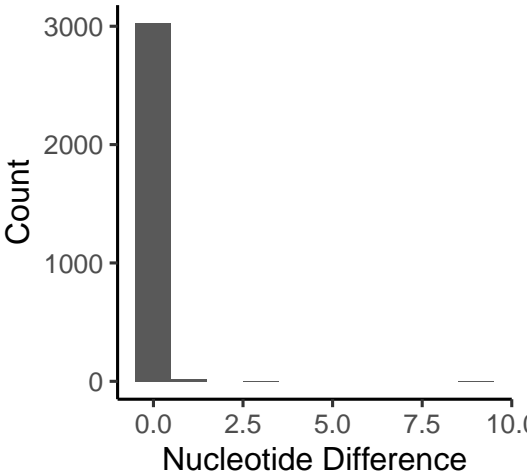
TRBV7-9*ap01

14359 sequences assigned
14247 (99.2%) exact matches, in which:
14026 unique CDR3
13 unique J



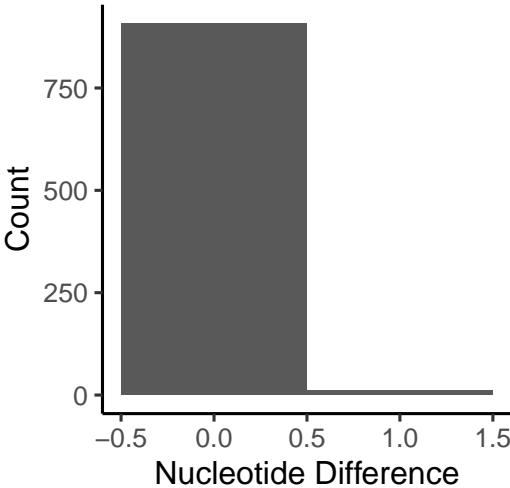
TRBV7-6*ap01

3048 sequences assigned
3027 (99.3%) exact matches, in which:
2962 unique CDR3
13 unique J



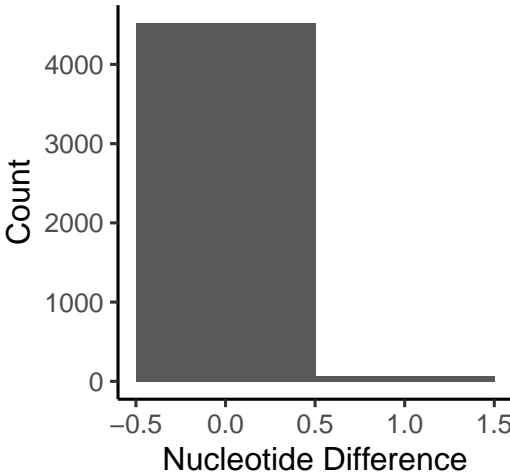
TRBV7-8*ap03

918 sequences assigned
908 (98.9%) exact matches, in which:
891 unique CDR3
13 unique J



TRBV29-1*ap01

4589 sequences assigned
4522 (98.5%) exact matches, in which:
4393 unique CDR3
13 unique J



TRBV29-1*ap02

794 sequences assigned
785 (98.9%) exact matches, in which:
763 unique CDR3
13 unique J

