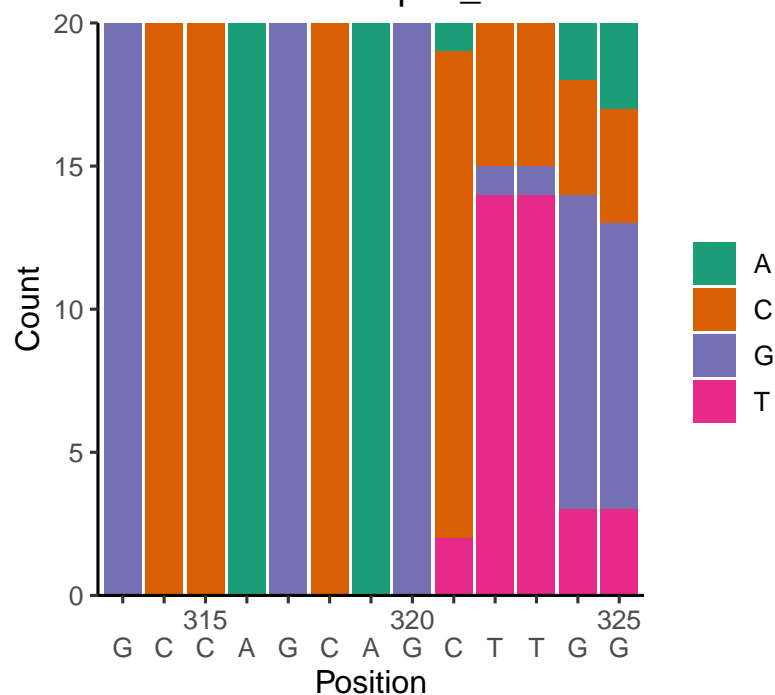
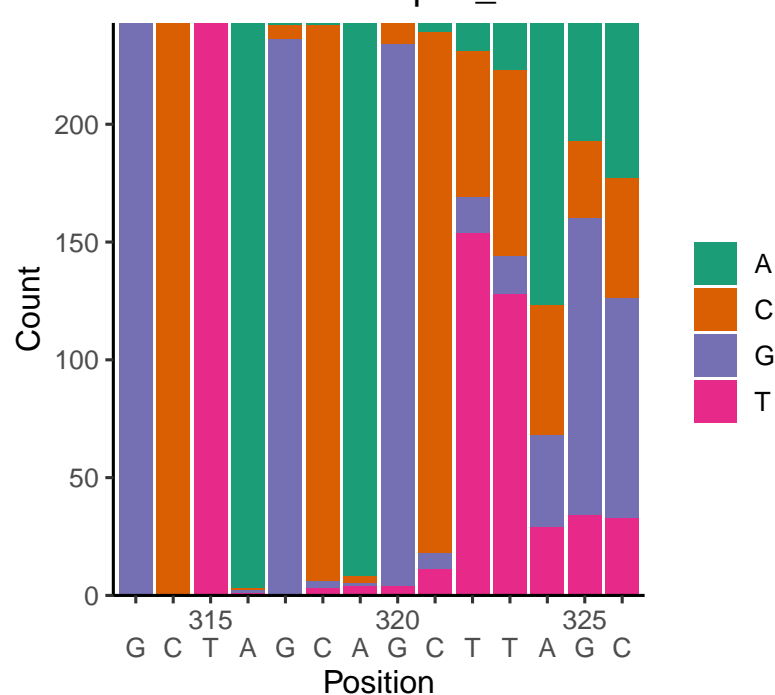


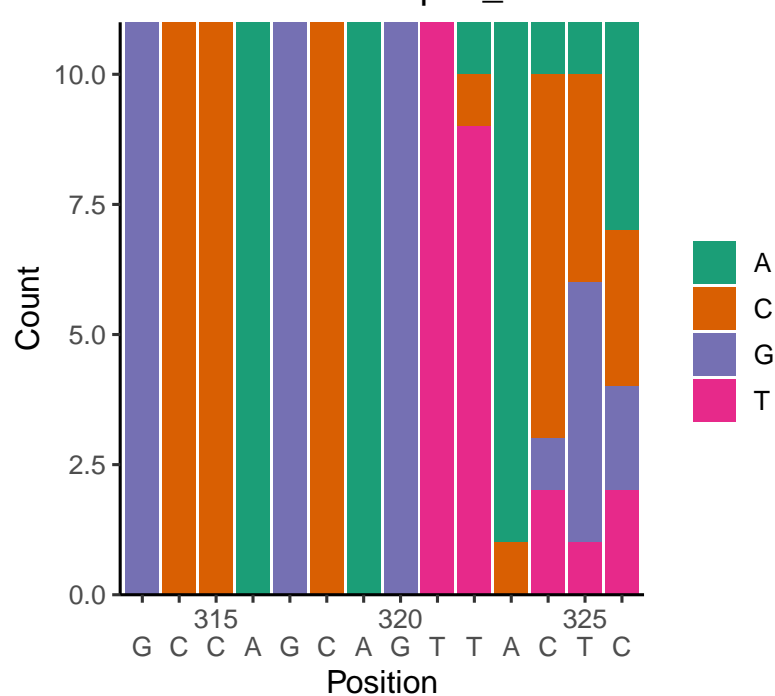
Gene TRBV5-7*ap01_G290A



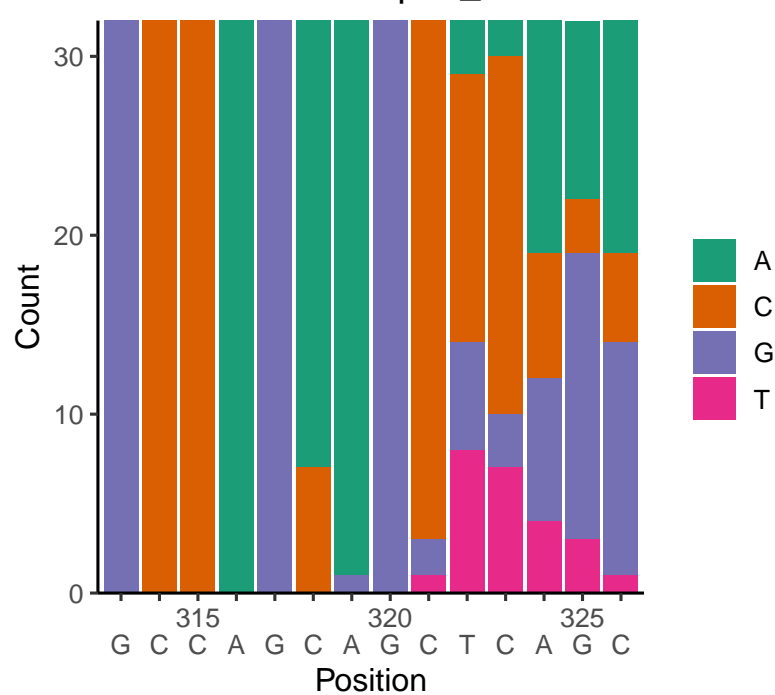
Gene TRBV7-7*ap01_C315T



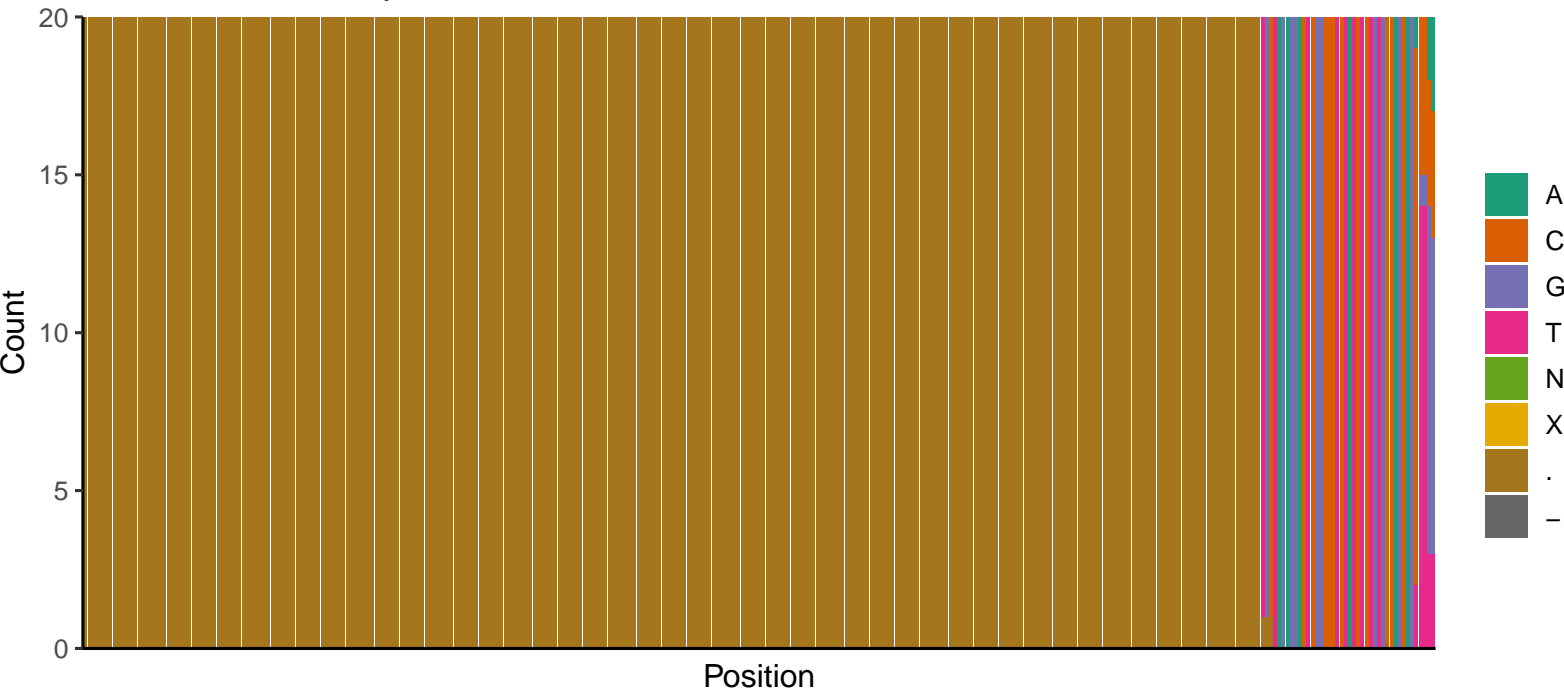
Gene TRBV6-8*ap01_A293G



Gene TRBV7-1*ap01_T296C



Gene TRBV5-7*ap01_G290A



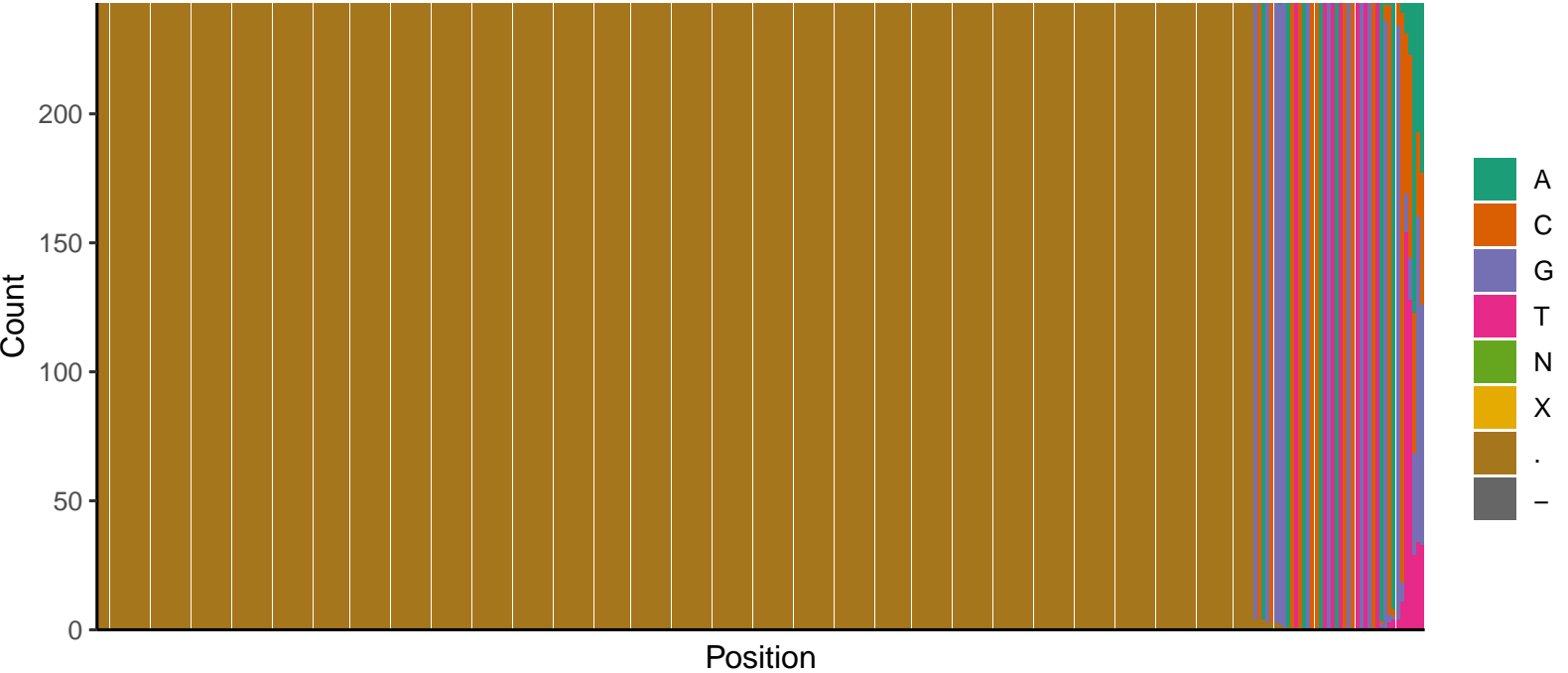
Gene TRBV6-8*ap01_A293G



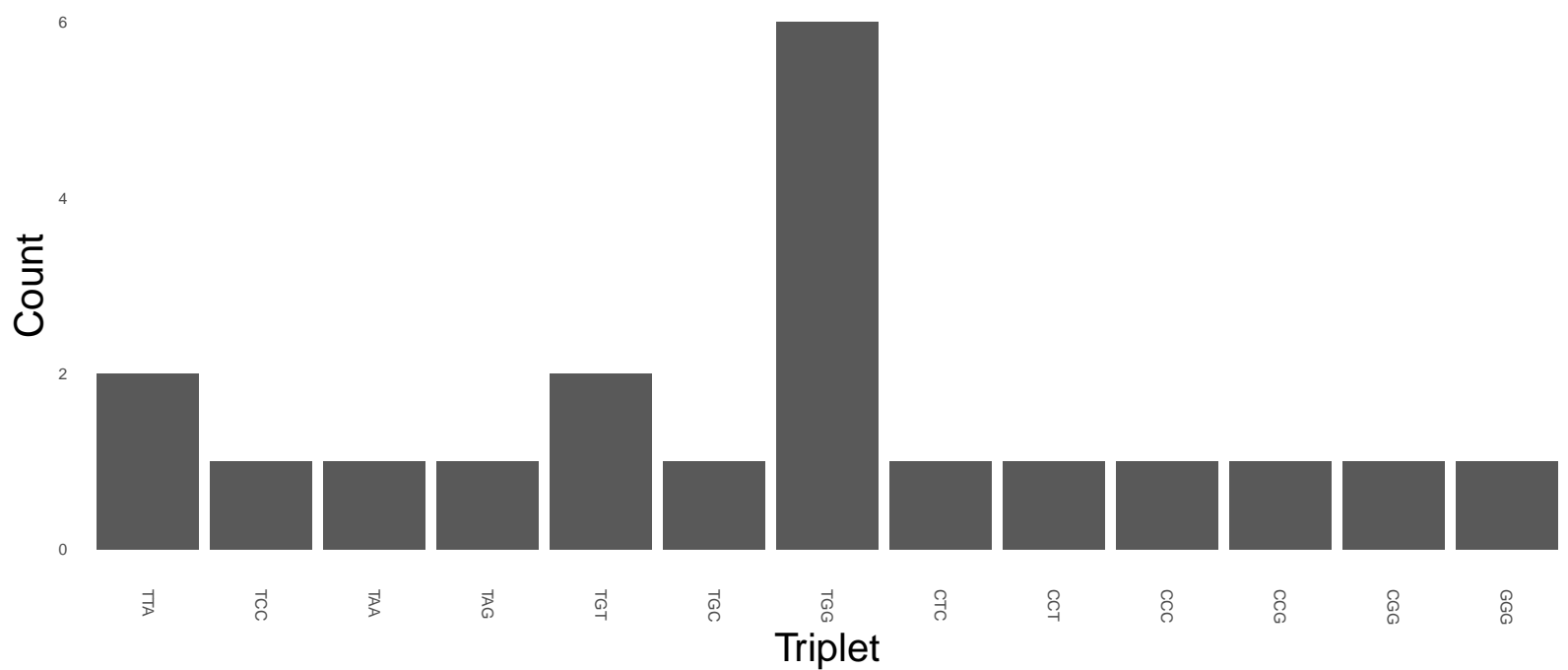
Gene TRBV7-1*ap01_T296C



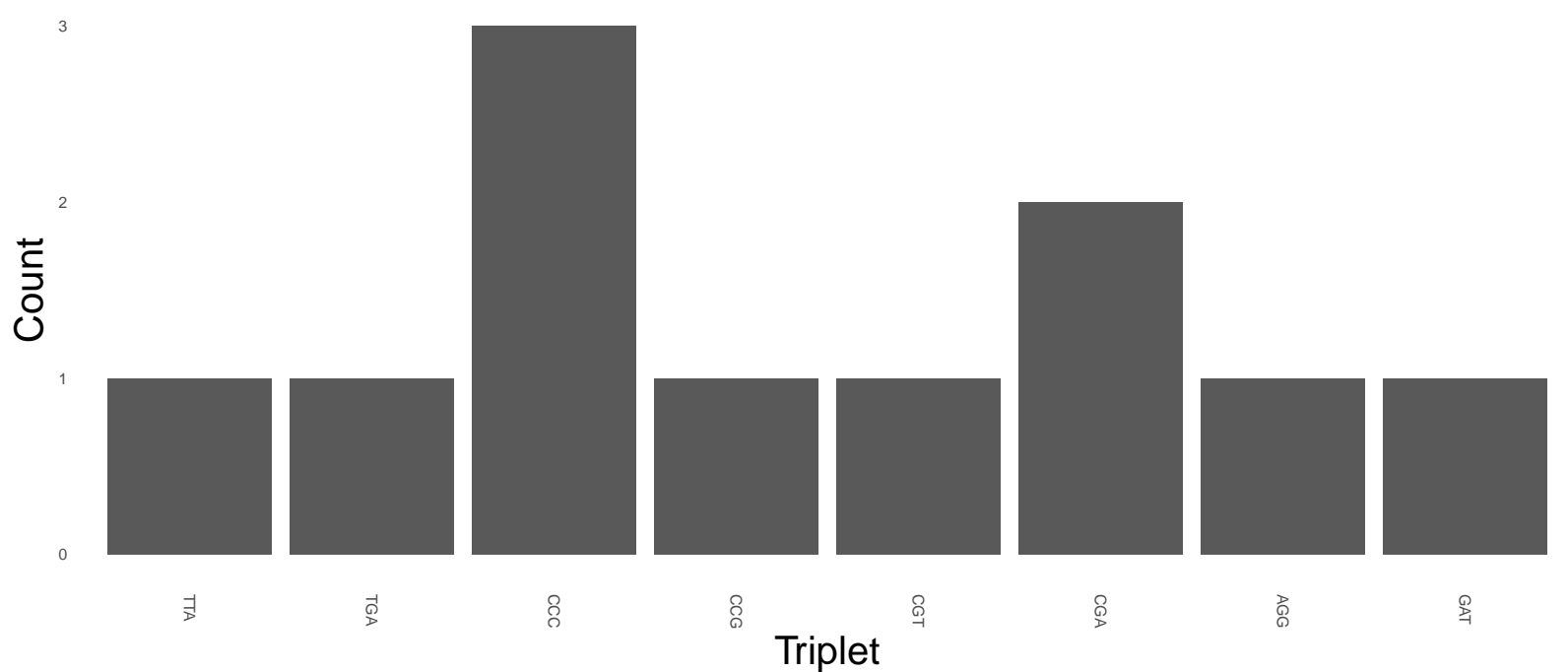
Gene TRBV7-7*ap01_C315T



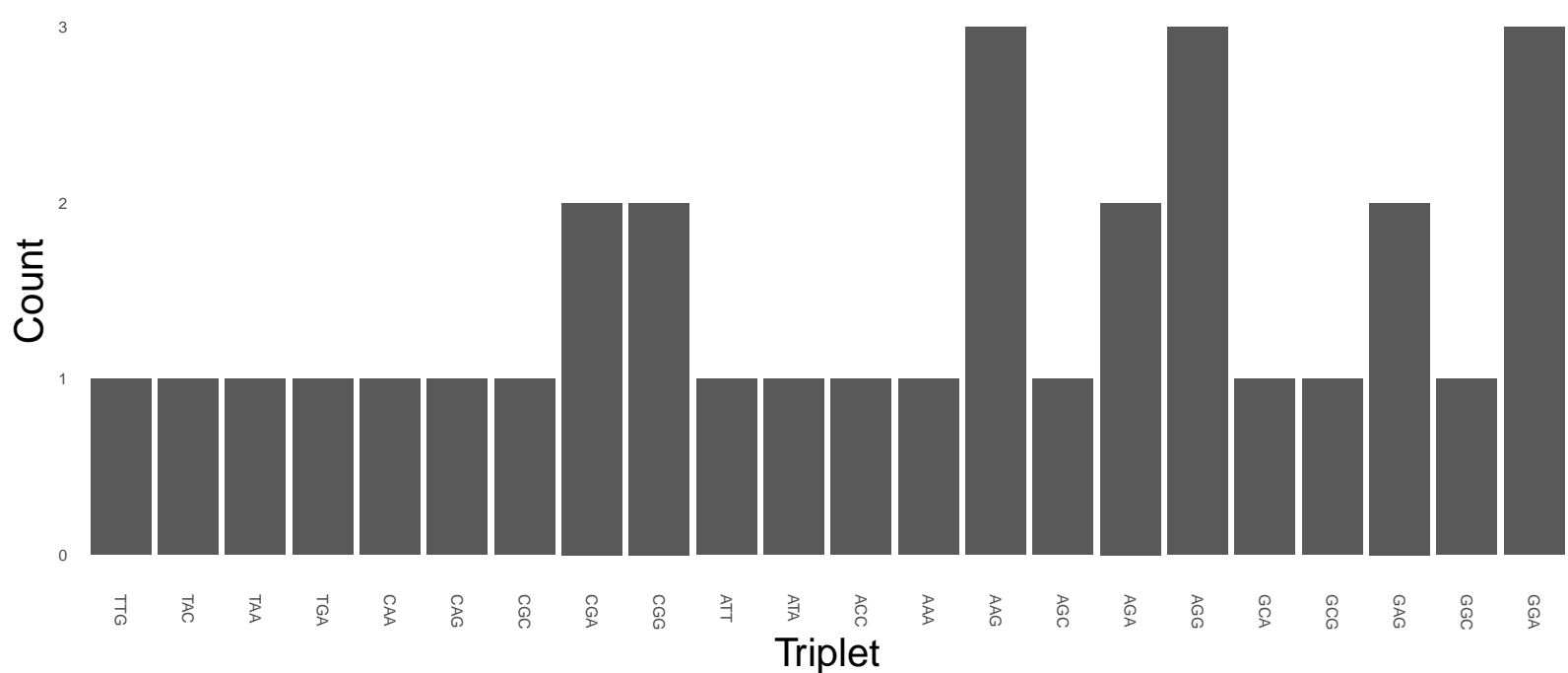
TRBV5-7*ap01_G290A- Final 3 nucleotides as a triplet



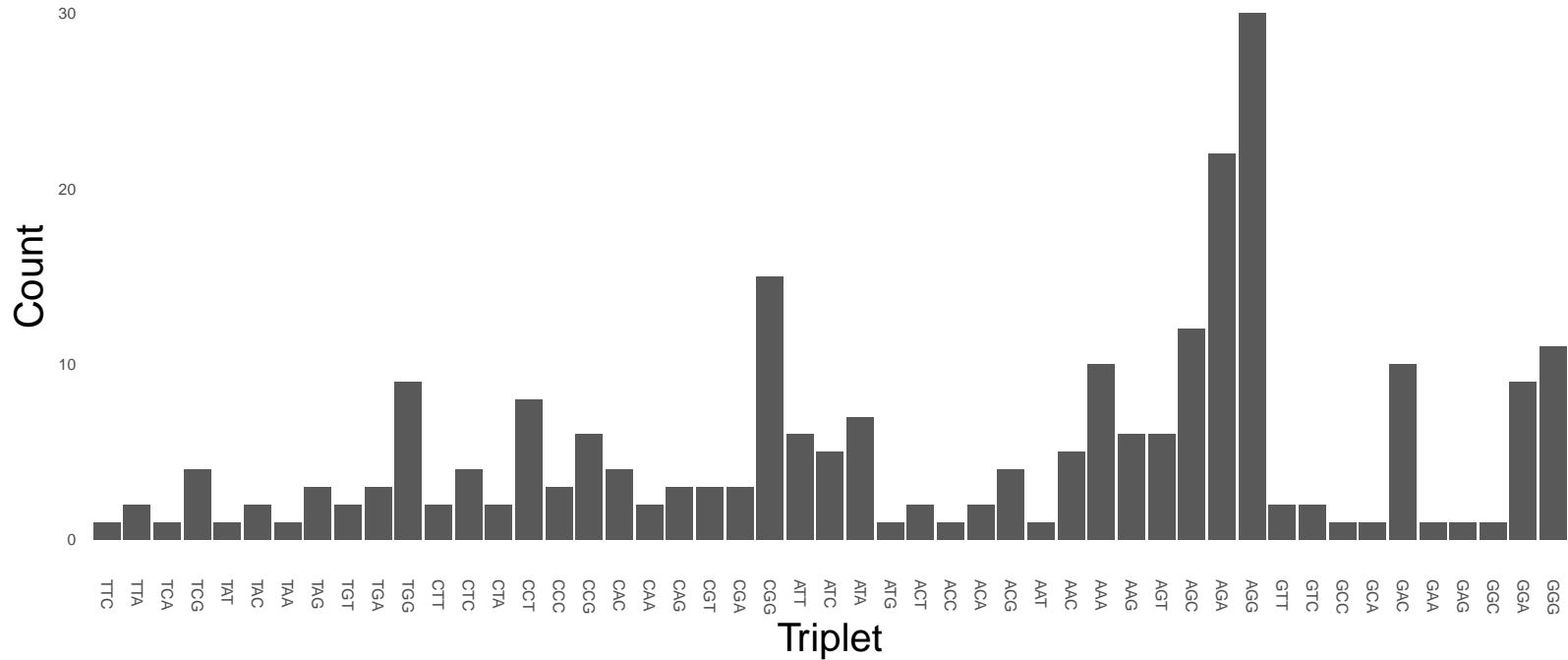
TRBV6-8*ap01_A293G- Final 3 nucleotides as a triplet



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

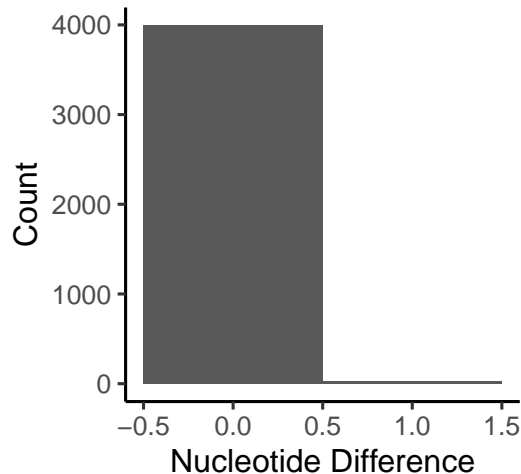


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



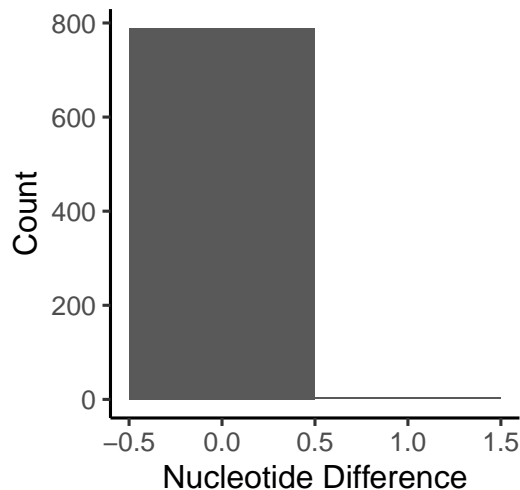
TRBV20-1*ap01

4017 sequences assigned
3994 (99.4%) exact matches, in which:
3976 unique CDR3
13 unique J



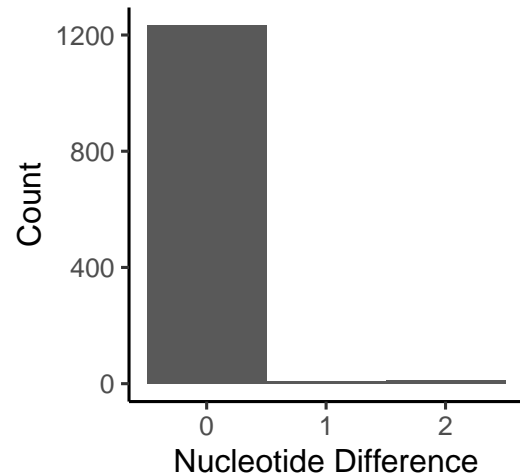
TRBV10-2*ap01

794 sequences assigned
790 (99.5%) exact matches, in which:
782 unique CDR3
13 unique J



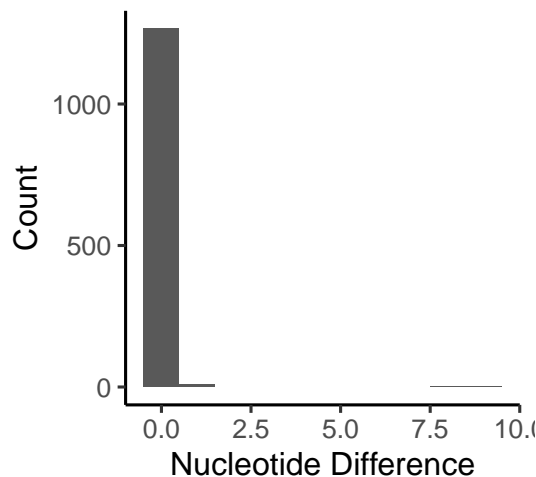
TRBV13*ap01

1255 sequences assigned
1233 (98.2%) exact matches, in which:
1220 unique CDR3
13 unique J



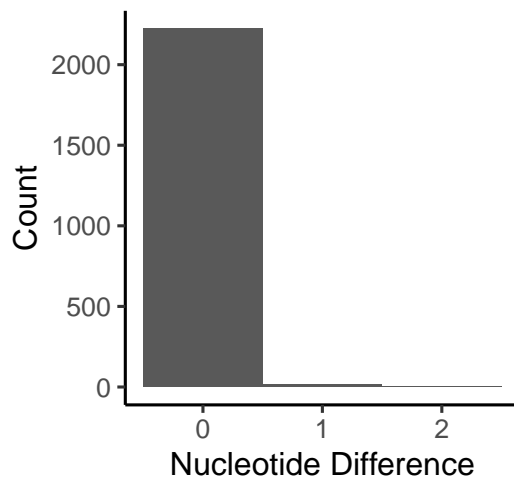
TRBV10-1*ap01

1278 sequences assigned
1266 (99.1%) exact matches, in which:
1254 unique CDR3
13 unique J



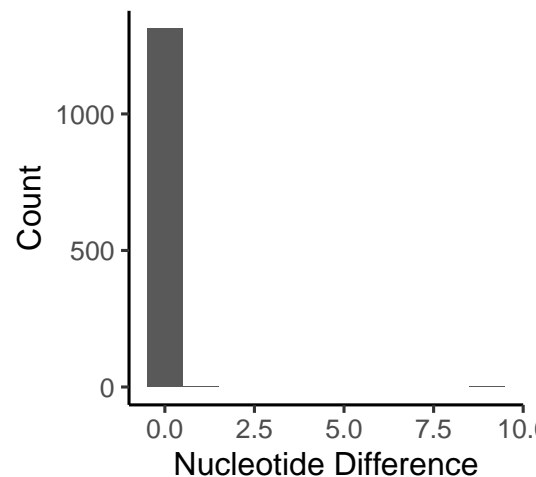
TRBV10-3*ap01

2243 sequences assigned
2223 (99.1%) exact matches, in which:
2207 unique CDR3
13 unique J



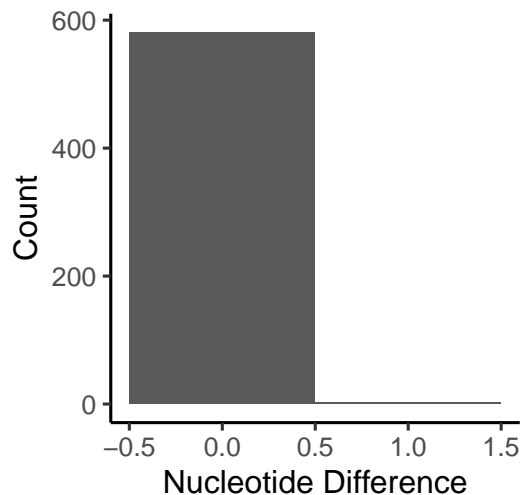
TRBV14*ap01

1316 sequences assigned
1312 (99.7%) exact matches, in which:
1303 unique CDR3
13 unique J



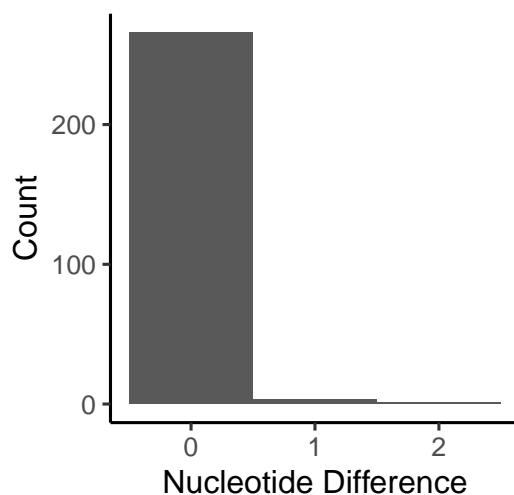
TRBV20-1*ap02

584 sequences assigned
581 (99.5%) exact matches, in which:
577 unique CDR3
13 unique J



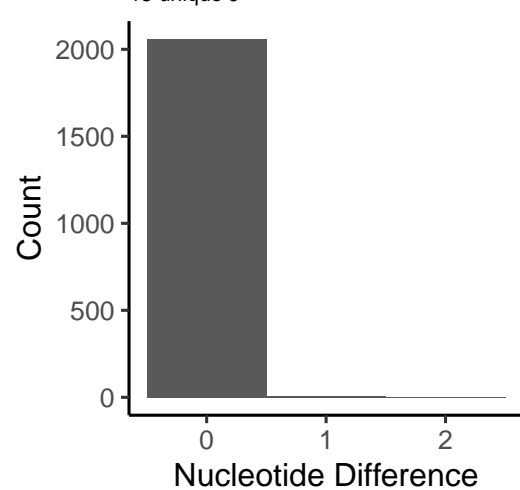
TRBV1*ap01

270 sequences assigned
266 (98.5%) exact matches, in which:
260 unique CDR3
13 unique J



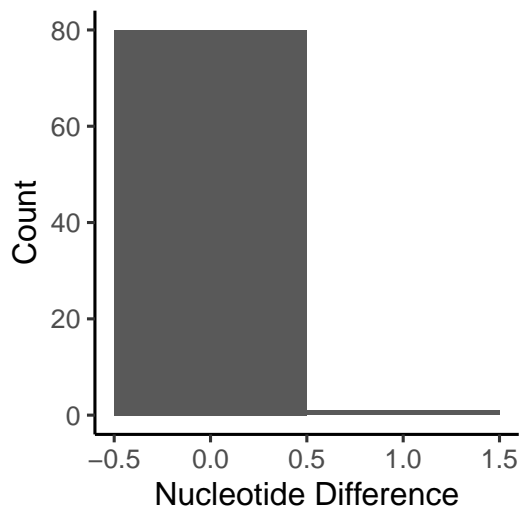
TRBV15*ap02

2069 sequences assigned
2059 (99.5%) exact matches, in which:
2034 unique CDR3
13 unique J



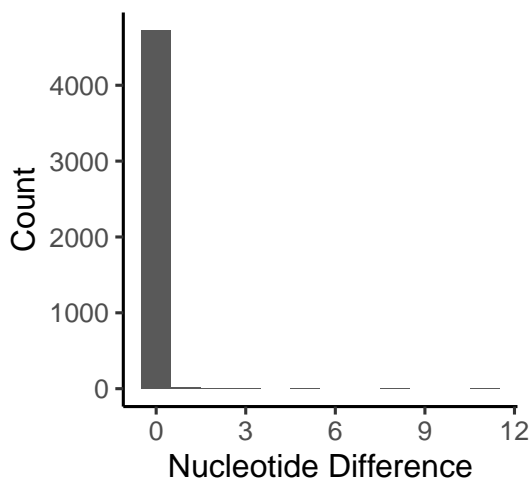
TRBV16*ap01

81 sequences assigned
80 (98.8%) exact matches, in which:
80 unique CDR3
11 unique J



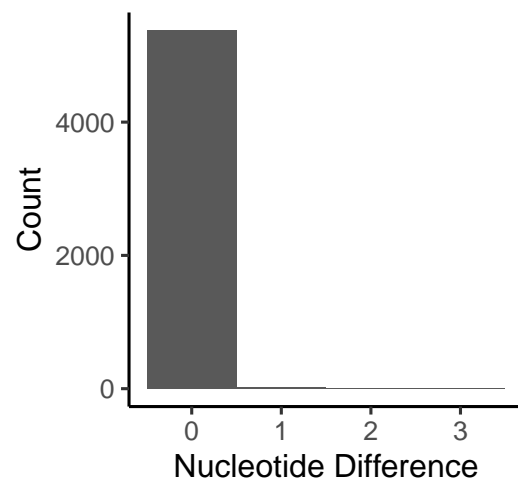
TRBV19*ap01

4754 sequences assigned
4723 (99.3%) exact matches, in which:
4710 unique CDR3
13 unique J



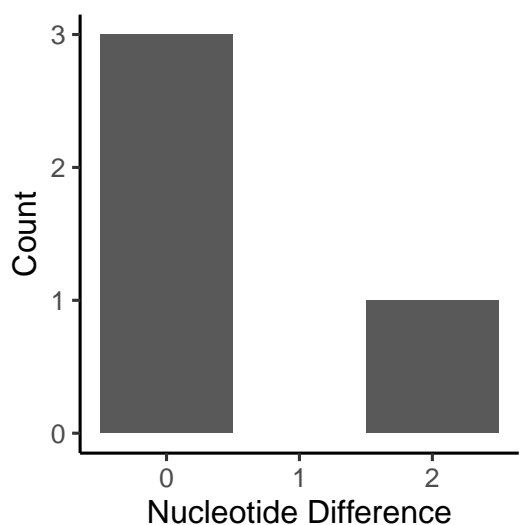
TRBV28*ap01

5405 sequences assigned
5376 (99.5%) exact matches, in which:
5342 unique CDR3
13 unique J



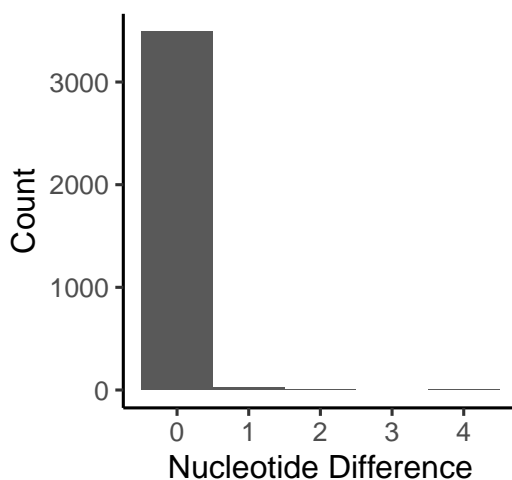
TRBV17*ap01

4 sequences assigned
3 (75%) exact matches, in which:
3 unique CDR3
3 unique J



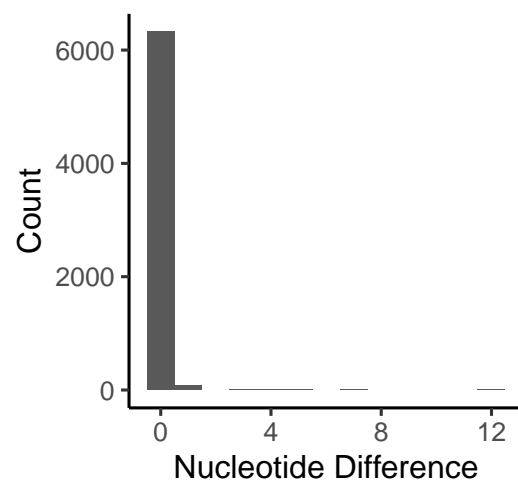
TRBV2*ap01

3518 sequences assigned
3490 (99.2%) exact matches, in which:
3451 unique CDR3
13 unique J



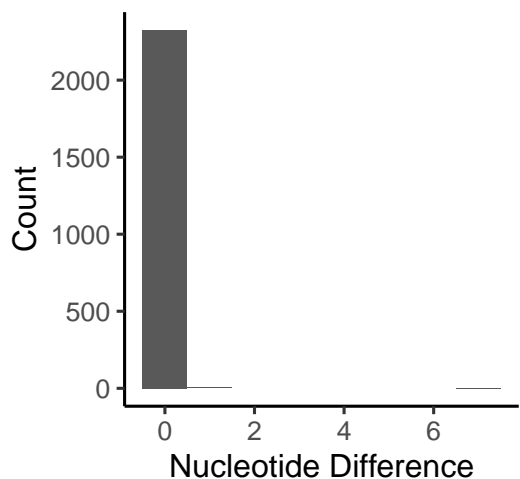
TRBV30*ap01

6405 sequences assigned
6324 (98.7%) exact matches, in which:
6201 unique CDR3
13 unique J



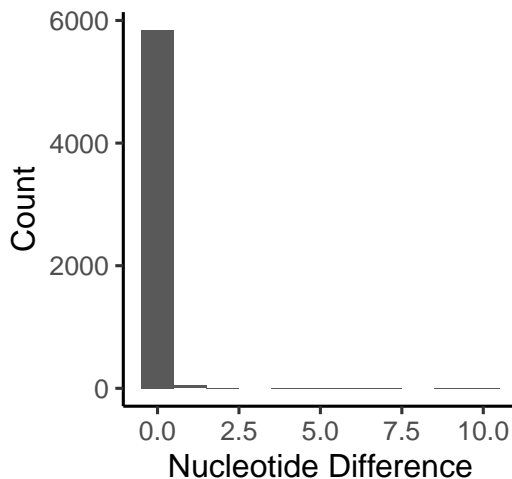
TRBV18*ap01

2331 sequences assigned
2325 (99.7%) exact matches, in which:
2317 unique CDR3
13 unique J



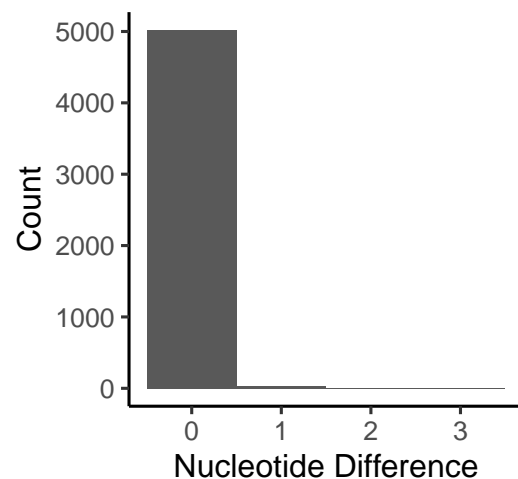
TRBV27*ap01

5905 sequences assigned
5844 (99%) exact matches, in which:
5788 unique CDR3
13 unique J



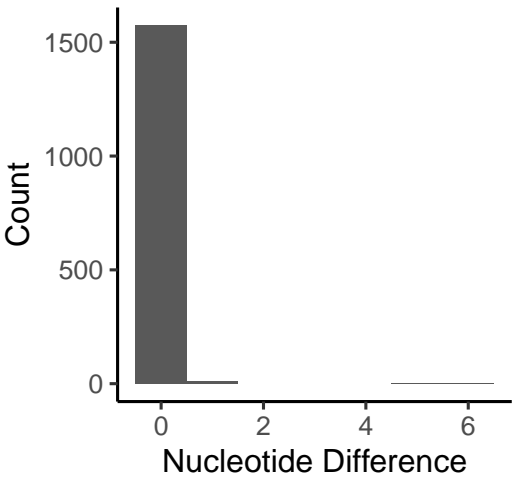
TRBV9*ap01

5058 sequences assigned
5020 (99.2%) exact matches, in which:
4989 unique CDR3
13 unique J



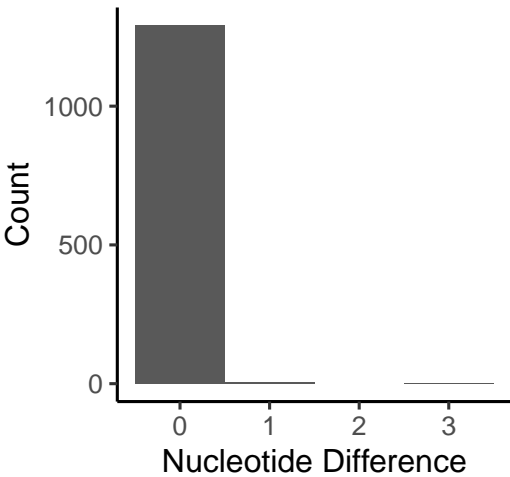
TRBV21-1*ap01

1588 sequences assigned
1574 (99.1%) exact matches, in which:
1566 unique CDR3
13 unique J



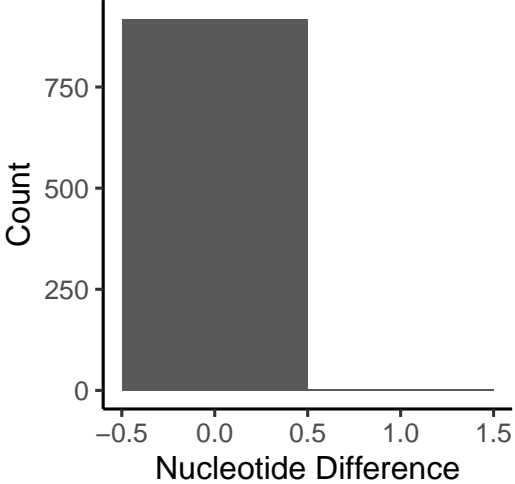
TRBV11-3*ap01

1298 sequences assigned
1291 (99.5%) exact matches, in which:
1284 unique CDR3
13 unique J



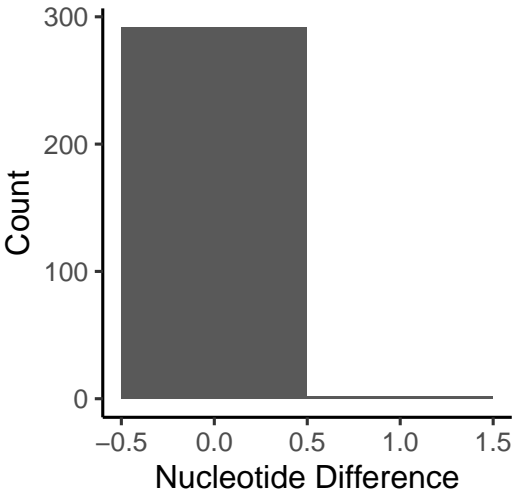
TRBV12-5*ap01

922 sequences assigned
919 (99.7%) exact matches, in which:
913 unique CDR3
13 unique J



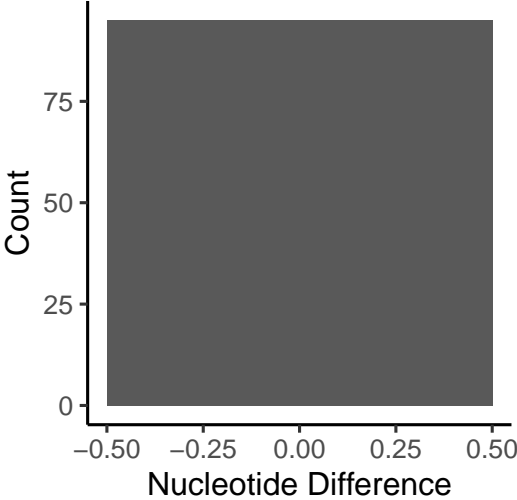
TRBV11-1*ap01

294 sequences assigned
292 (99.3%) exact matches, in which:
289 unique CDR3
12 unique J



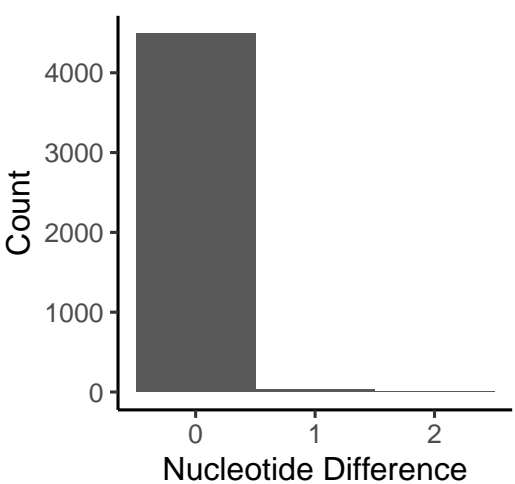
TRBV12-1*ap01

95 sequences assigned
95 (100%) exact matches, in which:
95 unique CDR3
12 unique J



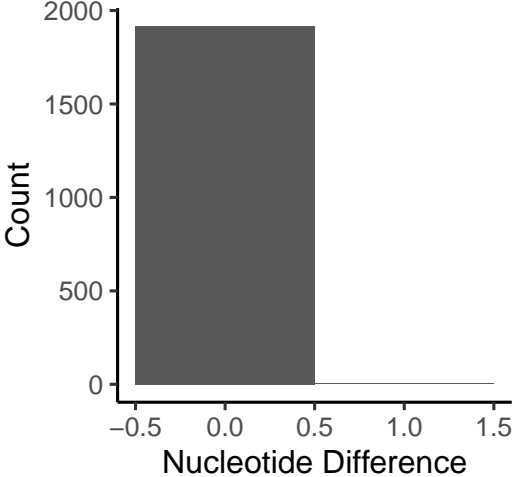
TRBV12-34*ap01

4524 sequences assigned
4489 (99.2%) exact matches, in which:
4453 unique CDR3
13 unique J



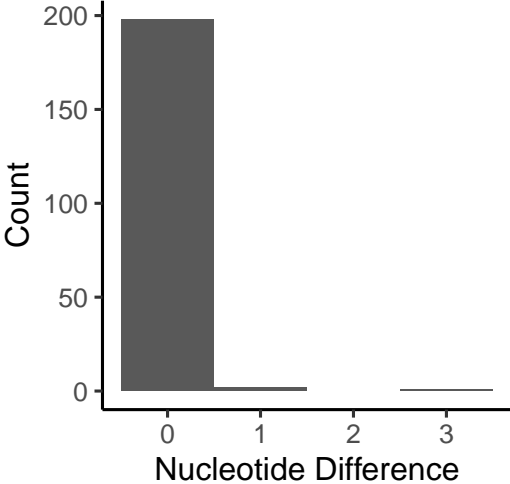
TRBV11-2*ap01

1922 sequences assigned
1917 (99.7%) exact matches, in which:
1911 unique CDR3
13 unique J



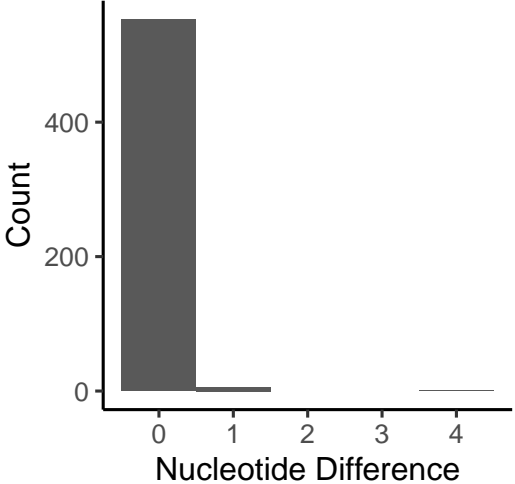
TRBV12-2*ap01

201 sequences assigned
198 (98.5%) exact matches, in which:
194 unique CDR3
12 unique J



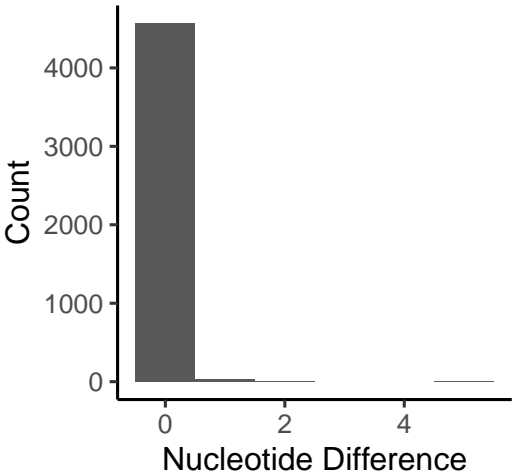
TRBV23-1*ap01

560 sequences assigned
553 (98.8%) exact matches, in which:
547 unique CDR3
13 unique J



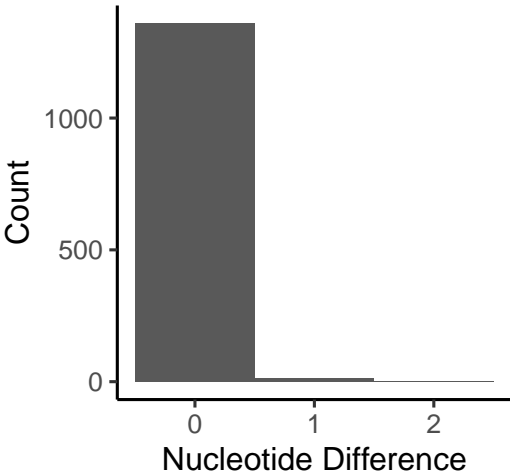
TRBV3-12*ap01

4600 sequences assigned
4567 (99.3%) exact matches, in which:
4503 unique CDR3
13 unique J



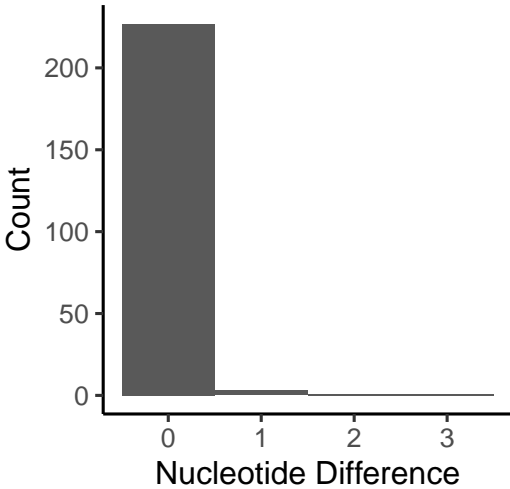
TRBV4-2*ap01

1373 sequences assigned
1359 (99%) exact matches, in which:
1342 unique CDR3
13 unique J



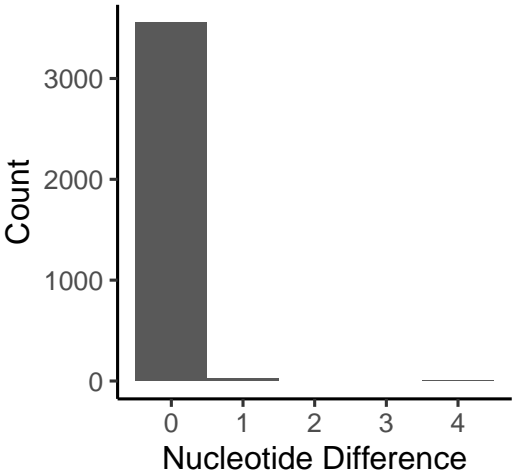
TRBV5-3*ap01

232 sequences assigned
227 (97.8%) exact matches, in which:
225 unique CDR3
12 unique J



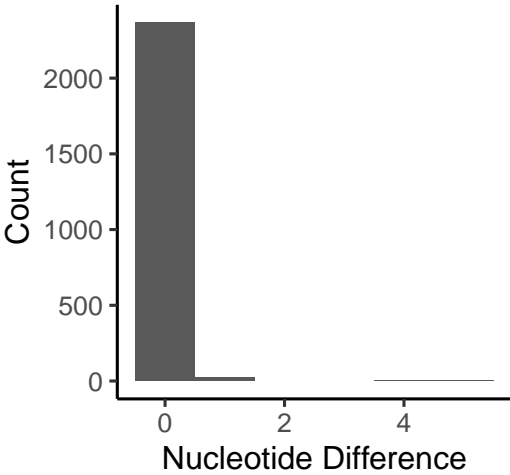
TRBV4-1*ap01

3582 sequences assigned
3553 (99.2%) exact matches, in which:
3512 unique CDR3
13 unique J



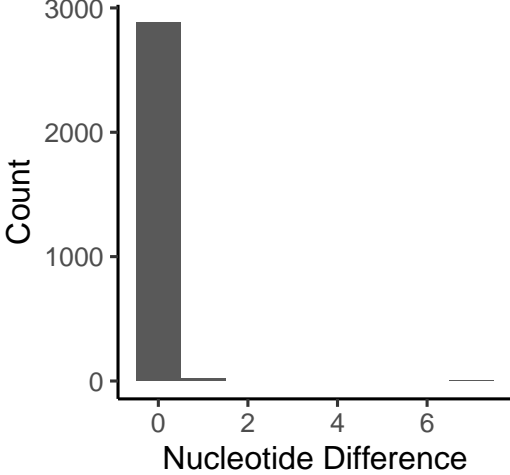
TRBV25-1*ap01

2393 sequences assigned
2366 (98.9%) exact matches, in which:
2323 unique CDR3
13 unique J



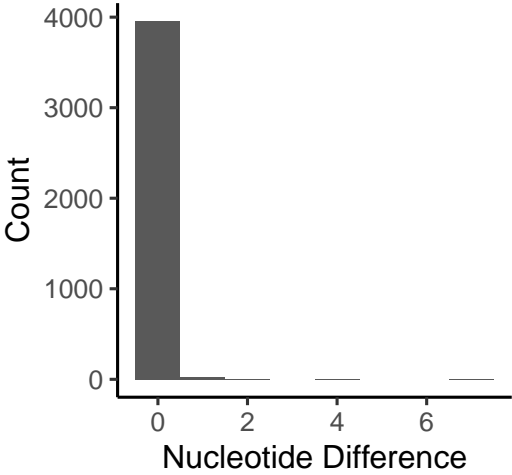
TRBV5-4*ap01

2900 sequences assigned
2881 (99.3%) exact matches, in which:
2852 unique CDR3
13 unique J



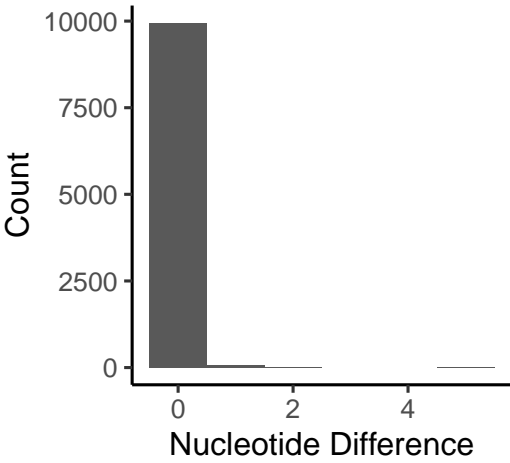
TRBV24-1*ap01

3992 sequences assigned
3957 (99.1%) exact matches, in which:
3913 unique CDR3
13 unique J



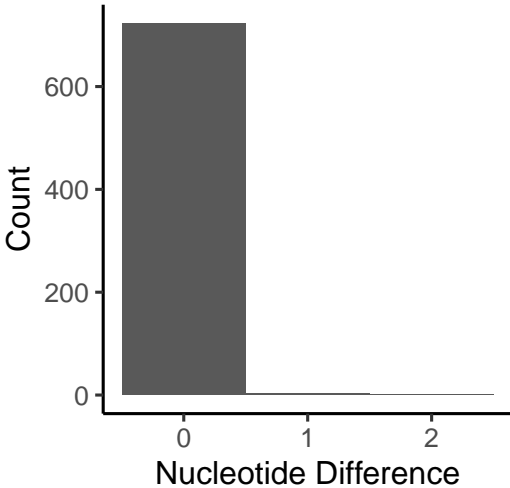
TRBV5-1*ap01

10035 sequences assigned
9951 (99.2%) exact matches, in which:
9813 unique CDR3
13 unique J



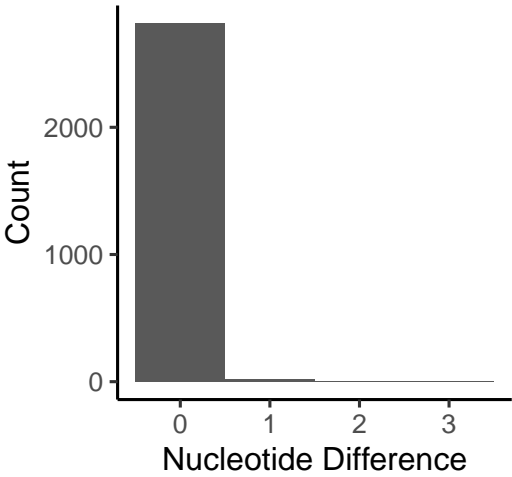
TRBV5-5*ap01

727 sequences assigned
723 (99.4%) exact matches, in which:
718 unique CDR3
13 unique J



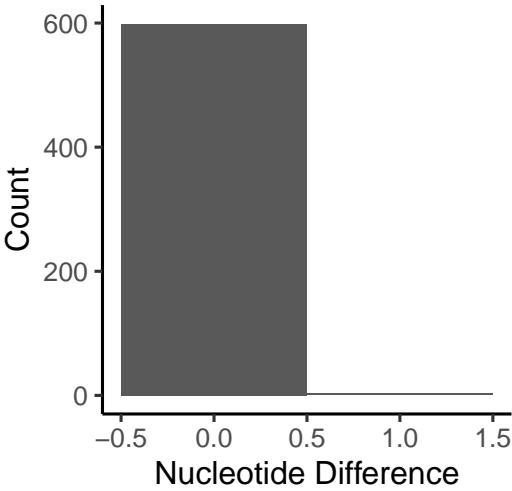
TRBV5-6*ap01

2838 sequences assigned
2817 (99.3%) exact matches, in which:
2766 unique CDR3
13 unique J



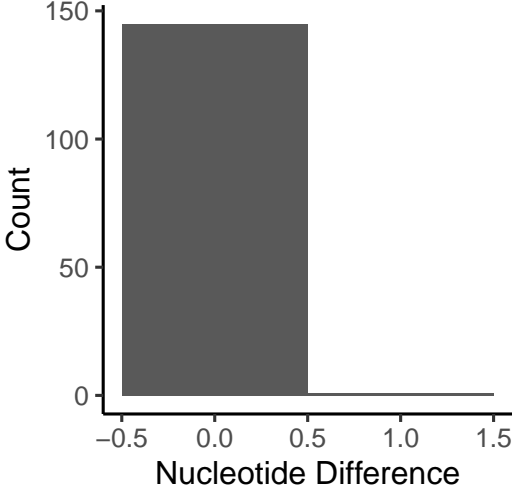
TRBV5-8*ap01

602 sequences assigned
599 (99.5%) exact matches, in which:
597 unique CDR3
13 unique J



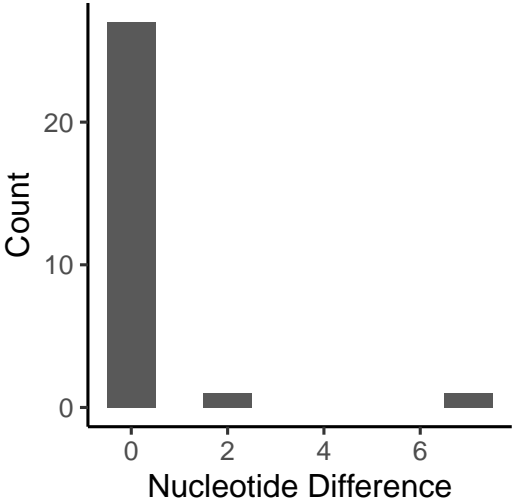
TRBV6-7*ap01

146 sequences assigned
145 (99.3%) exact matches, in which:
145 unique CDR3
13 unique J



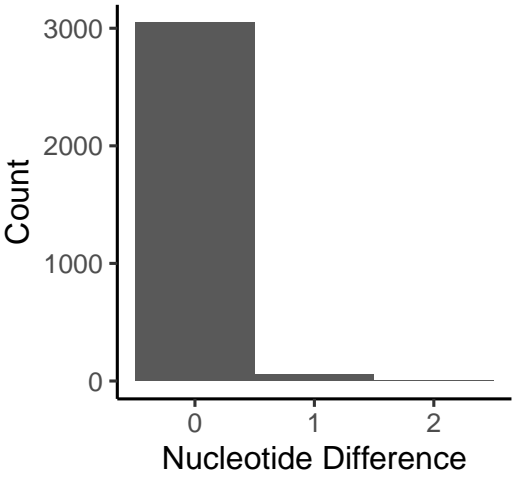
TRBV5-7*ap01

29 sequences assigned
27 (93.1%) exact matches, in which:
27 unique CDR3
10 unique J



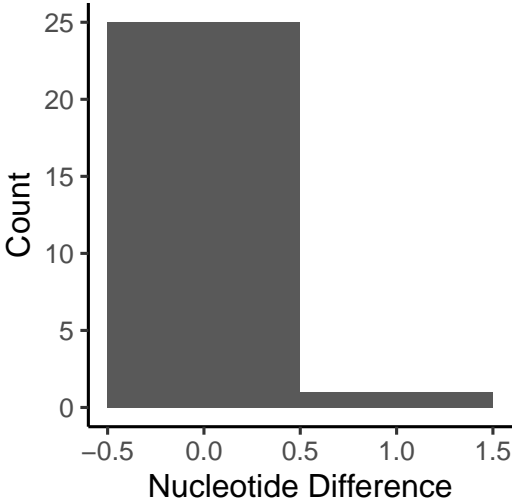
TRBV6-1*ap01

3106 sequences assigned
3047 (98.1%) exact matches, in which:
3000 unique CDR3
13 unique J



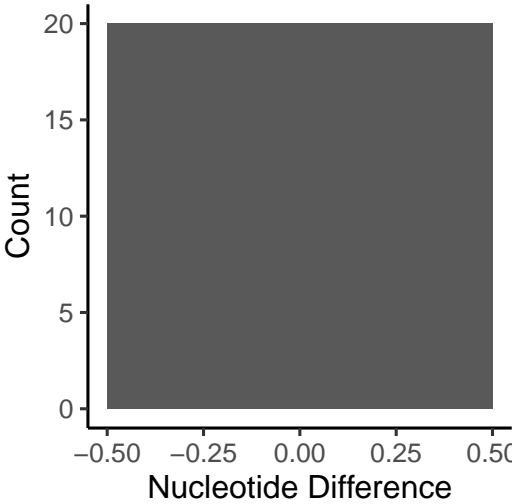
TRBV6-8*ap01

26 sequences assigned
25 (96.2%) exact matches, in which:
25 unique CDR3
8 unique J



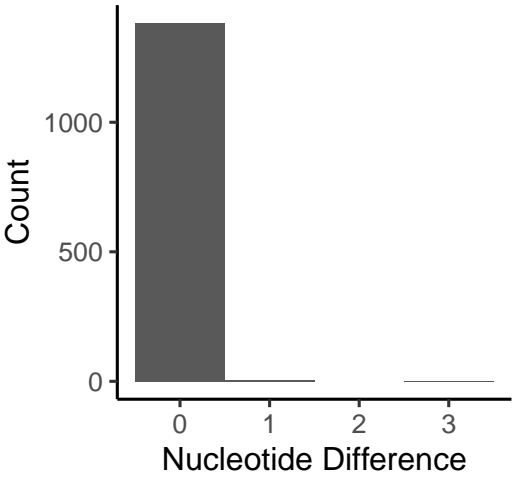
TRBV5-7*ap01_G290A

20 sequences assigned
20 (100%) exact matches, in which:
20 unique CDR3
11 unique J



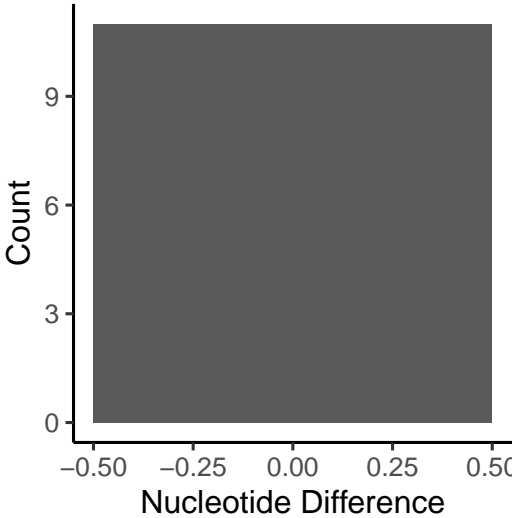
TRBV6-4*ap01

1388 sequences assigned
1383 (99.6%) exact matches, in which:
1369 unique CDR3
13 unique J



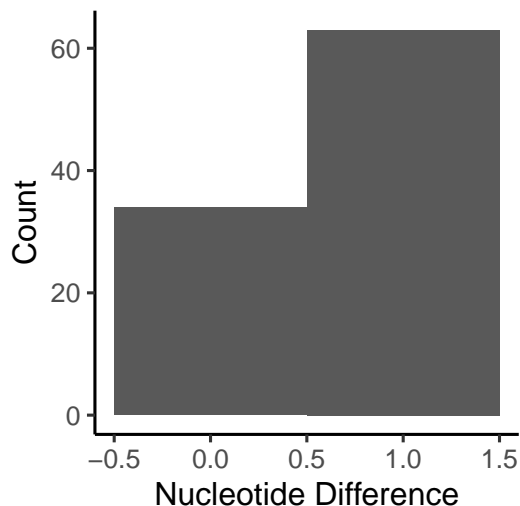
TRBV6-8*ap01_A293G

11 sequences assigned
11 (100%) exact matches, in which:
10 unique CDR3
7 unique J



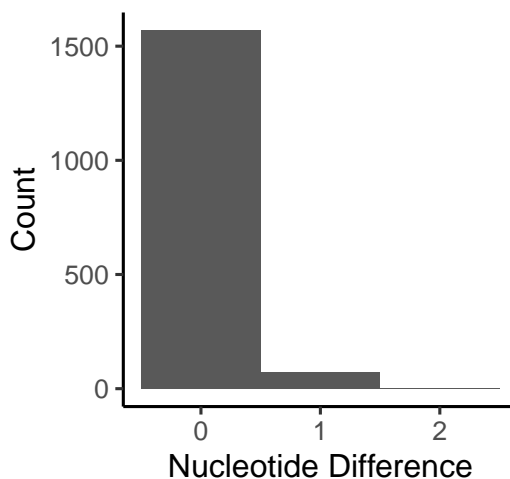
TRBV6-9*ap01

97 sequences assigned
34 (35.1%) exact matches, in which:
34 unique CDR3
13 unique J



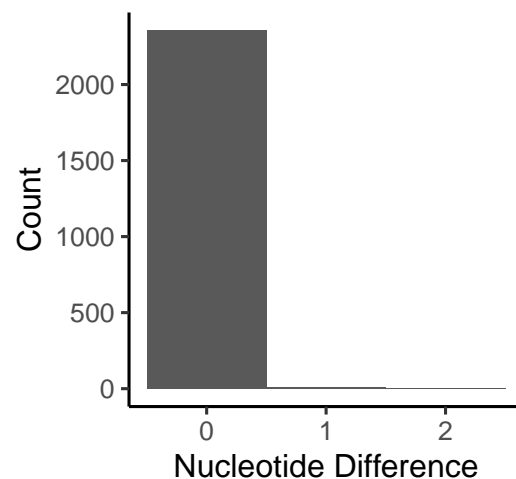
TRBV6-56*ap02

1644 sequences assigned
1569 (95.4%) exact matches, in which:
1540 unique CDR3
13 unique J



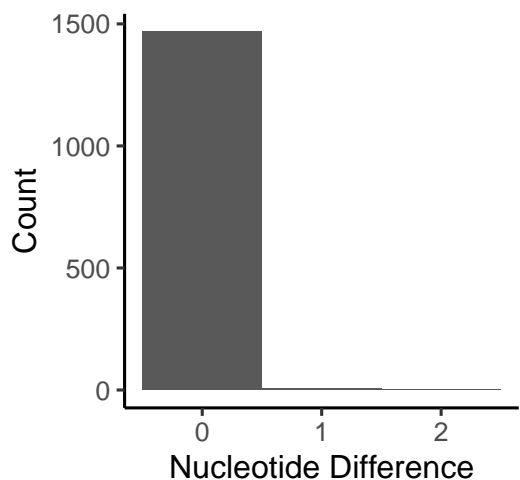
TRBV7-3*ap01

2368 sequences assigned
2356 (99.5%) exact matches, in which:
2349 unique CDR3
13 unique J



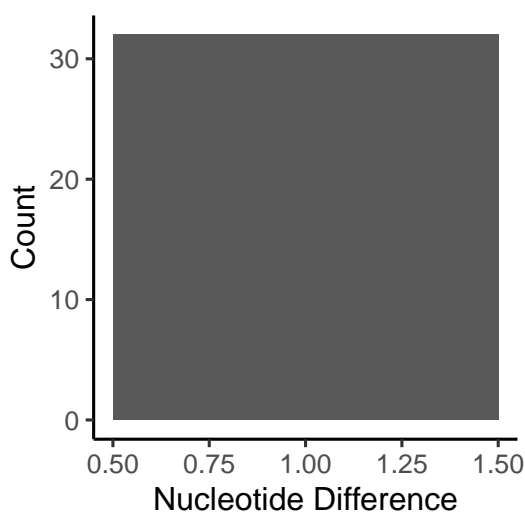
TRBV6-23*ap01

1477 sequences assigned
1468 (99.4%) exact matches, in which:
1443 unique CDR3
13 unique J



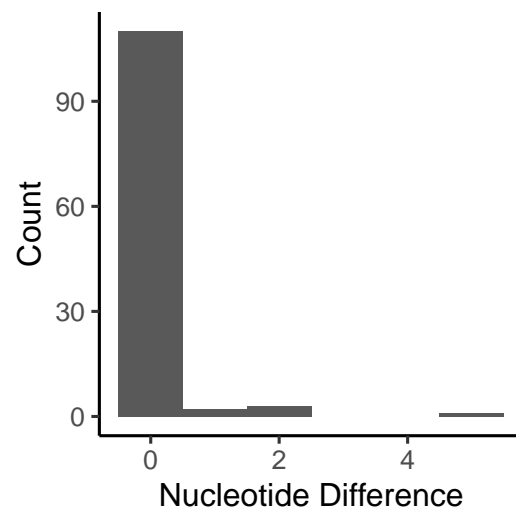
TRBV7-1*ap01_T296C

32 sequences assigned
No exact matches.



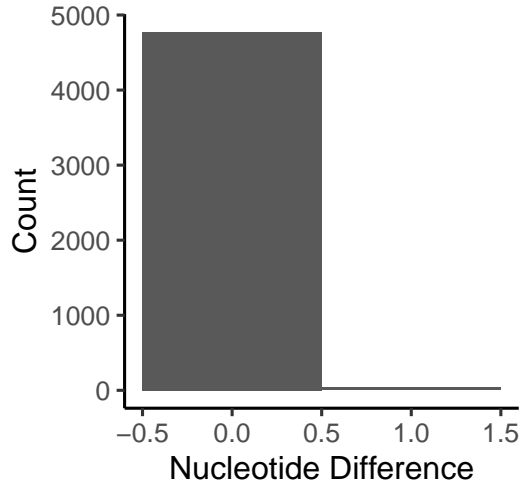
TRBV7-4*ap01

116 sequences assigned
110 (94.8%) exact matches, in which:
109 unique CDR3
13 unique J



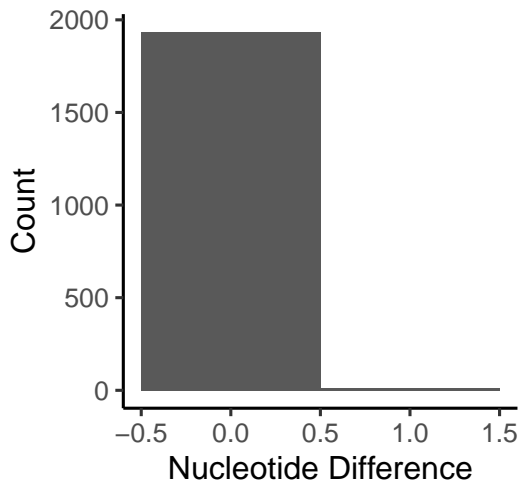
TRBV6-56*ap01

4809 sequences assigned
4773 (99.3%) exact matches, in which:
4694 unique CDR3
13 unique J



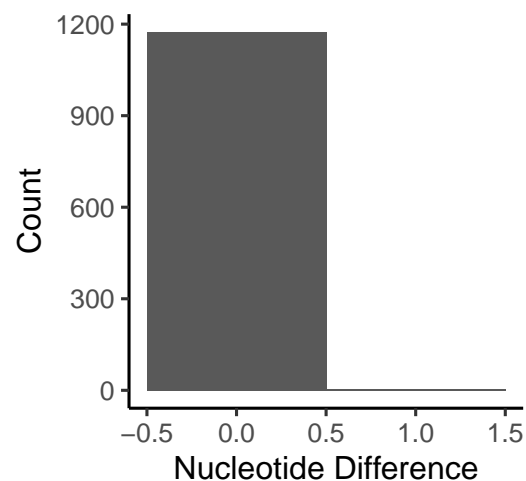
TRBV7-2*ap01

1945 sequences assigned
1934 (99.4%) exact matches, in which:
1915 unique CDR3
13 unique J



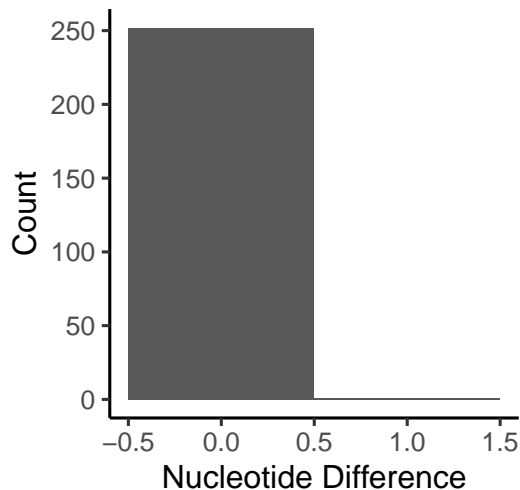
TRBV7-6*ap01

1178 sequences assigned
1174 (99.7%) exact matches, in which:
1165 unique CDR3
13 unique J



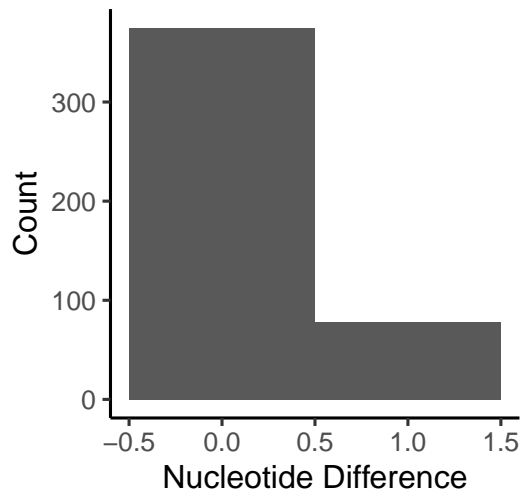
TRBV7-7*ap01

253 sequences assigned
252 (99.6%) exact matches, in which:
248 unique CDR3
12 unique J



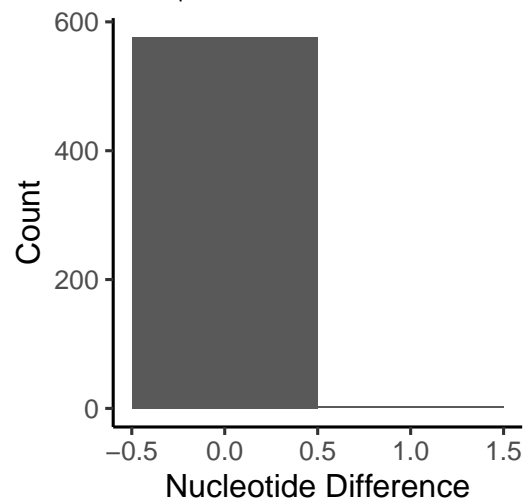
TRBV7-8*ap03

453 sequences assigned
375 (82.8%) exact matches, in which:
372 unique CDR3
13 unique J



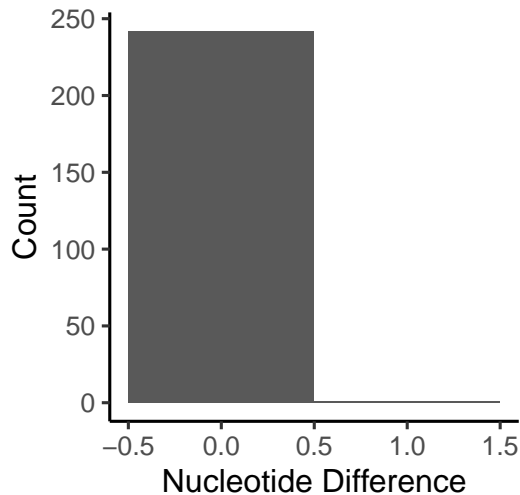
TRBV29-1*ap02

580 sequences assigned
577 (99.5%) exact matches, in which:
569 unique CDR3
13 unique J



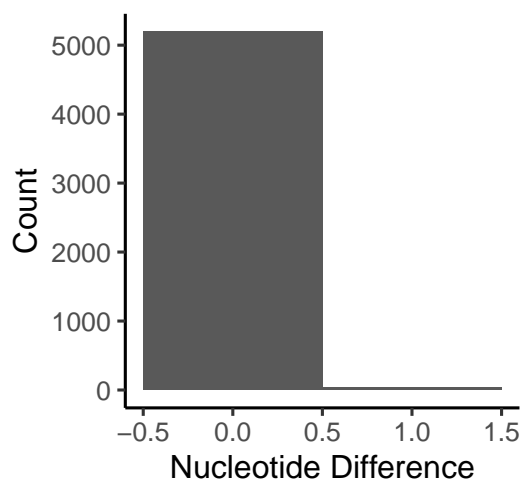
TRBV7-7*ap01_C315T

243 sequences assigned
242 (99.6%) exact matches, in which:
241 unique CDR3
12 unique J



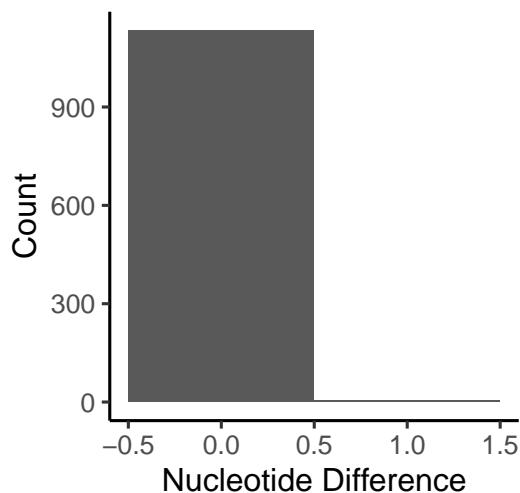
TRBV7-9*ap01

5229 sequences assigned
5195 (99.3%) exact matches, in which:
5167 unique CDR3
13 unique J



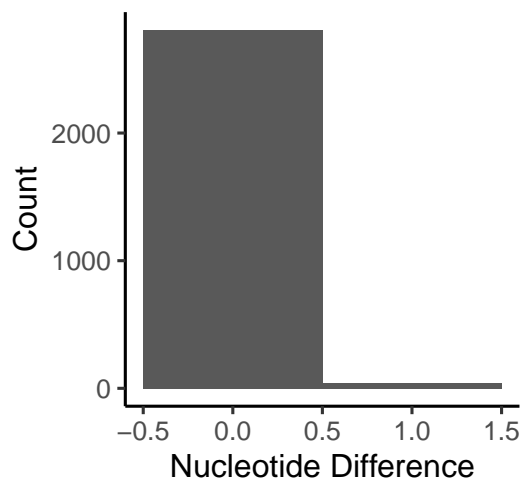
TRBV7-8*ap01

1138 sequences assigned
1134 (99.6%) exact matches, in which:
1120 unique CDR3
13 unique J

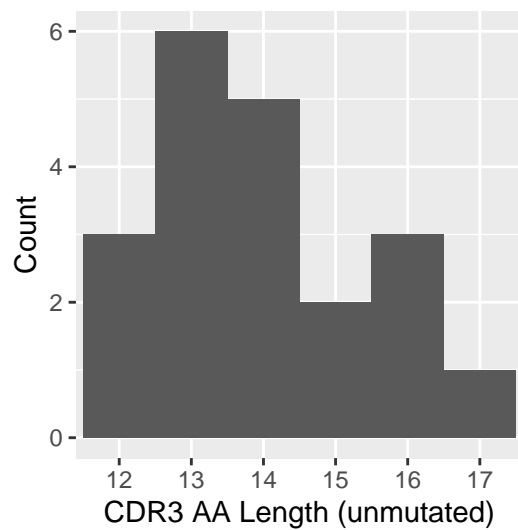


TRBV29-1*ap01

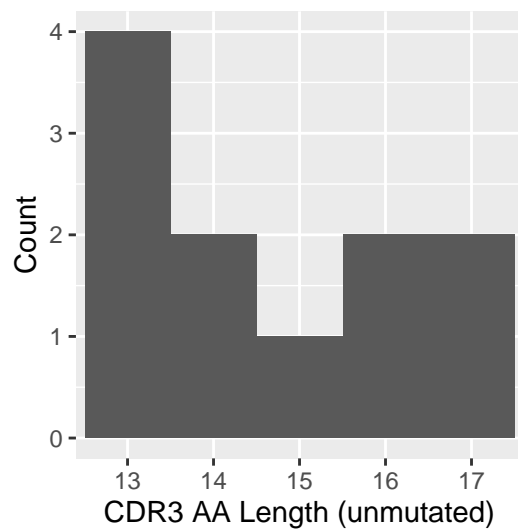
2848 sequences assigned
2807 (98.6%) exact matches, in which:
2762 unique CDR3
13 unique J



TRBV5-7*ap01_G290A



TRBV6-8*ap01_A293G



TRBV7-7*ap01_C315T

