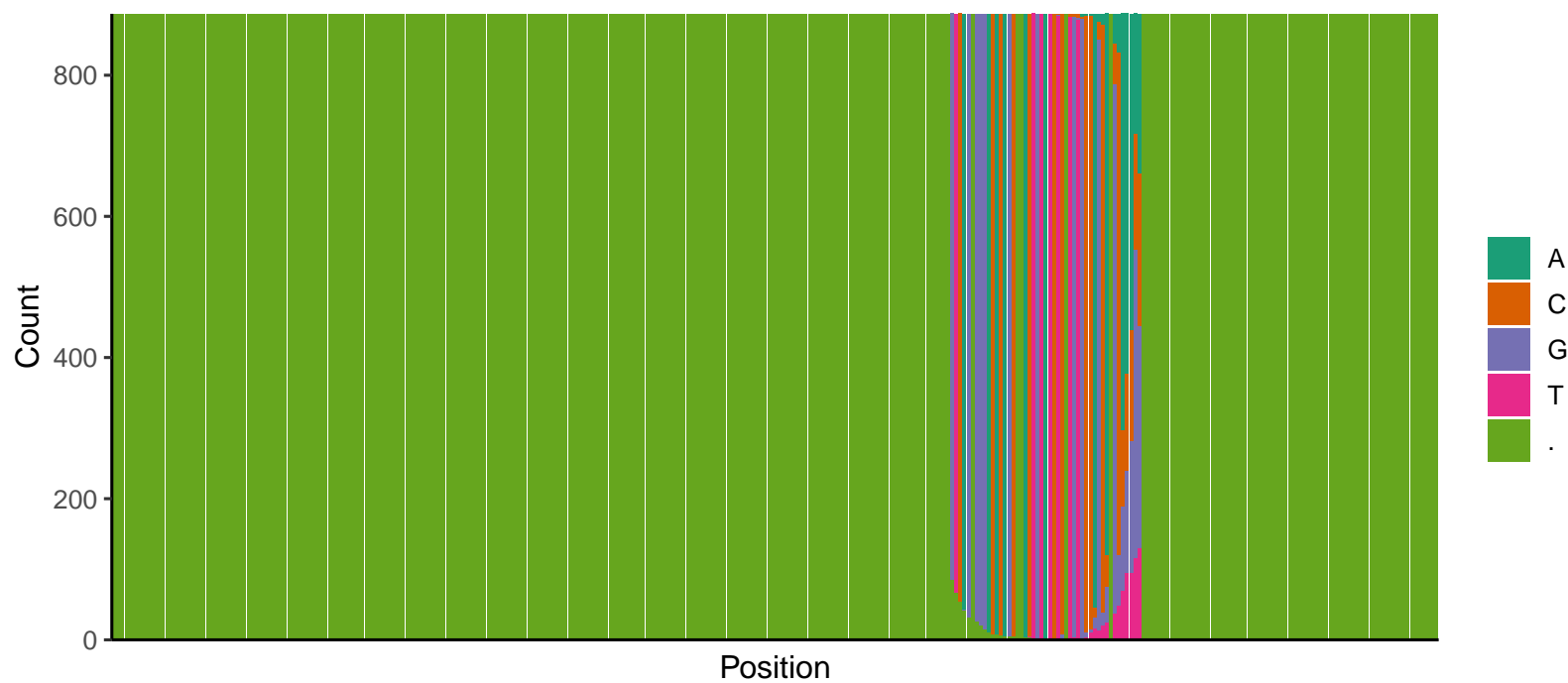


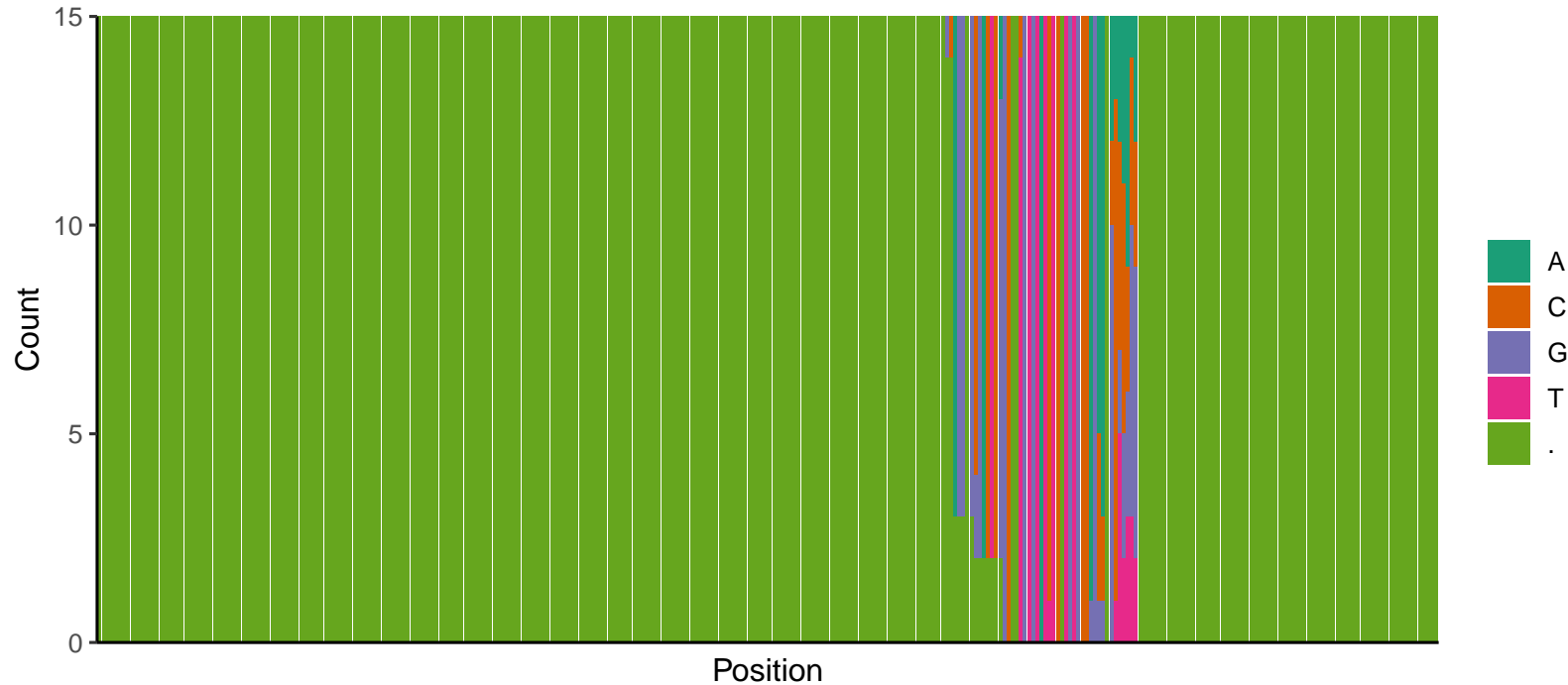
Gene TRBV21-1*ap01_T307C



Gene TRBV7-1*ap01_T296C_C314T



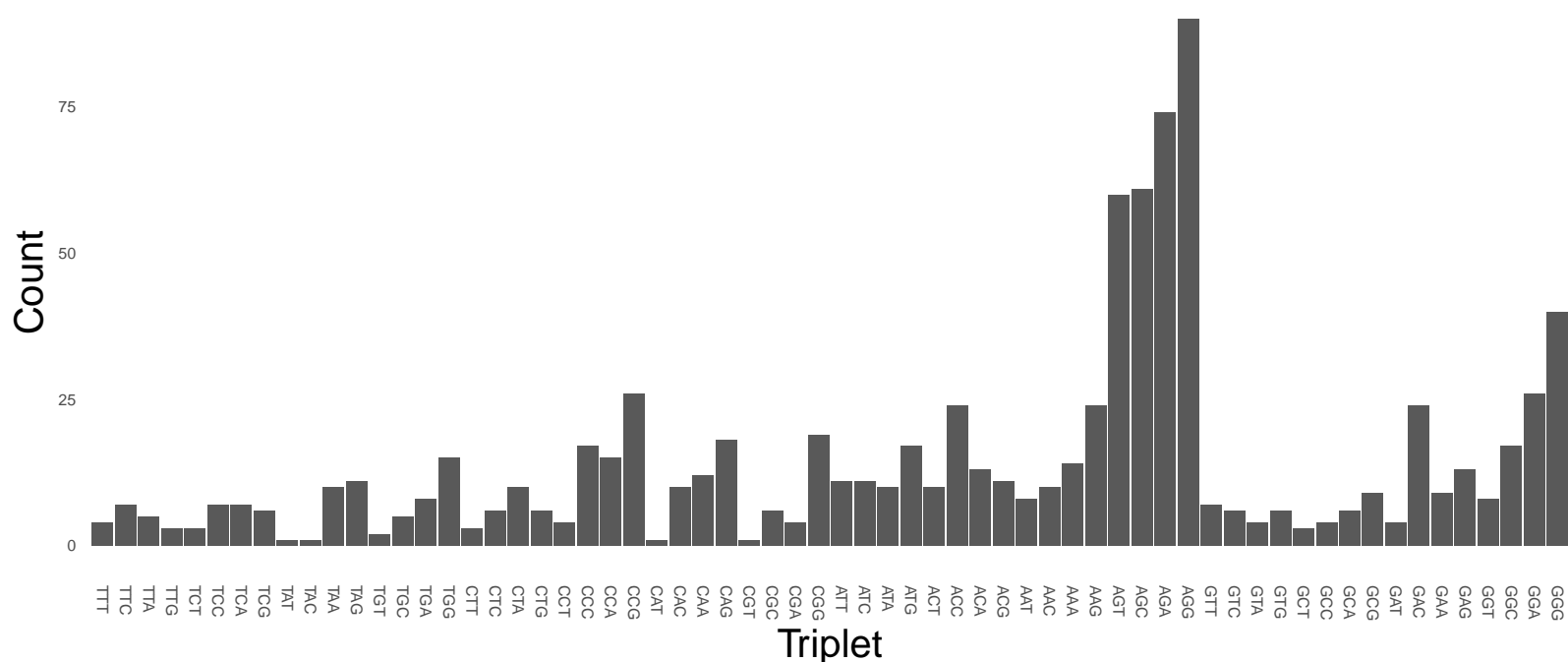
Gene TRBV7-1*ap01_T296C



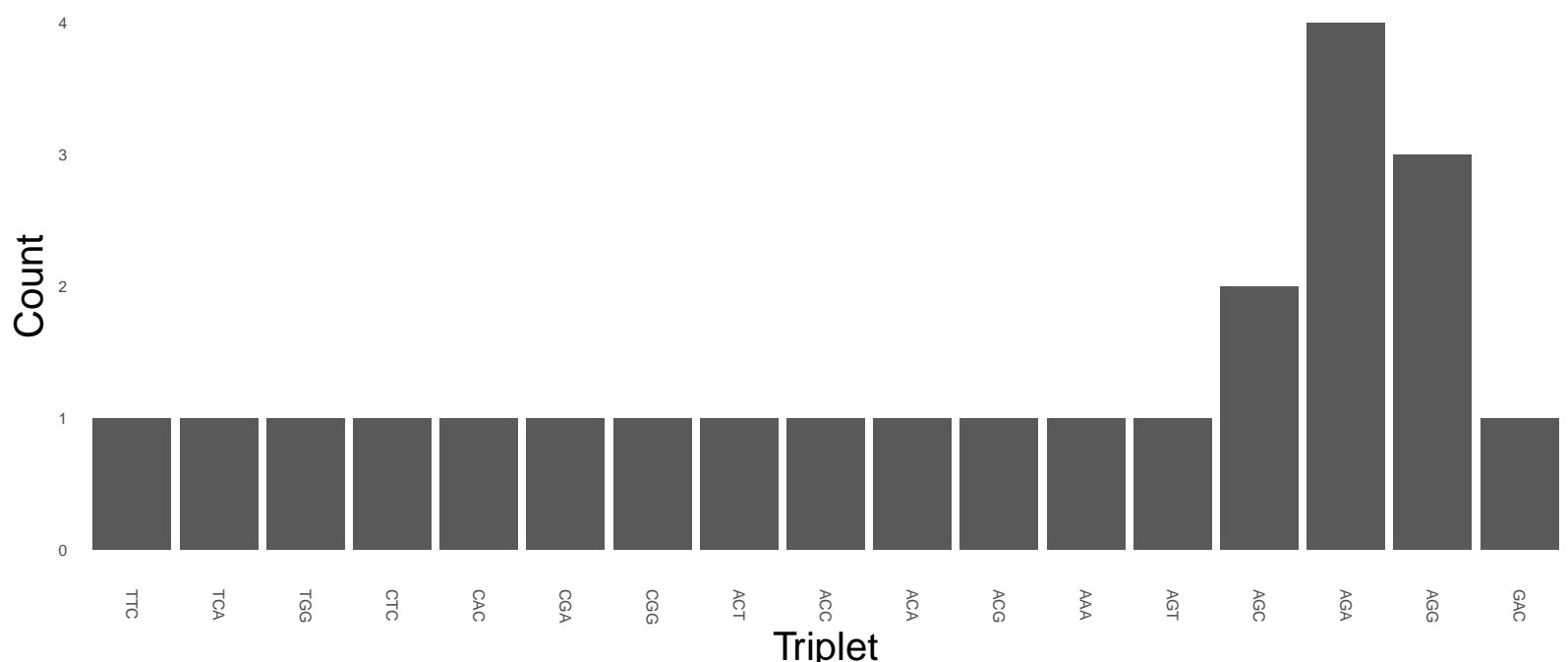
Gene TRBV7-7*ap01_C315T



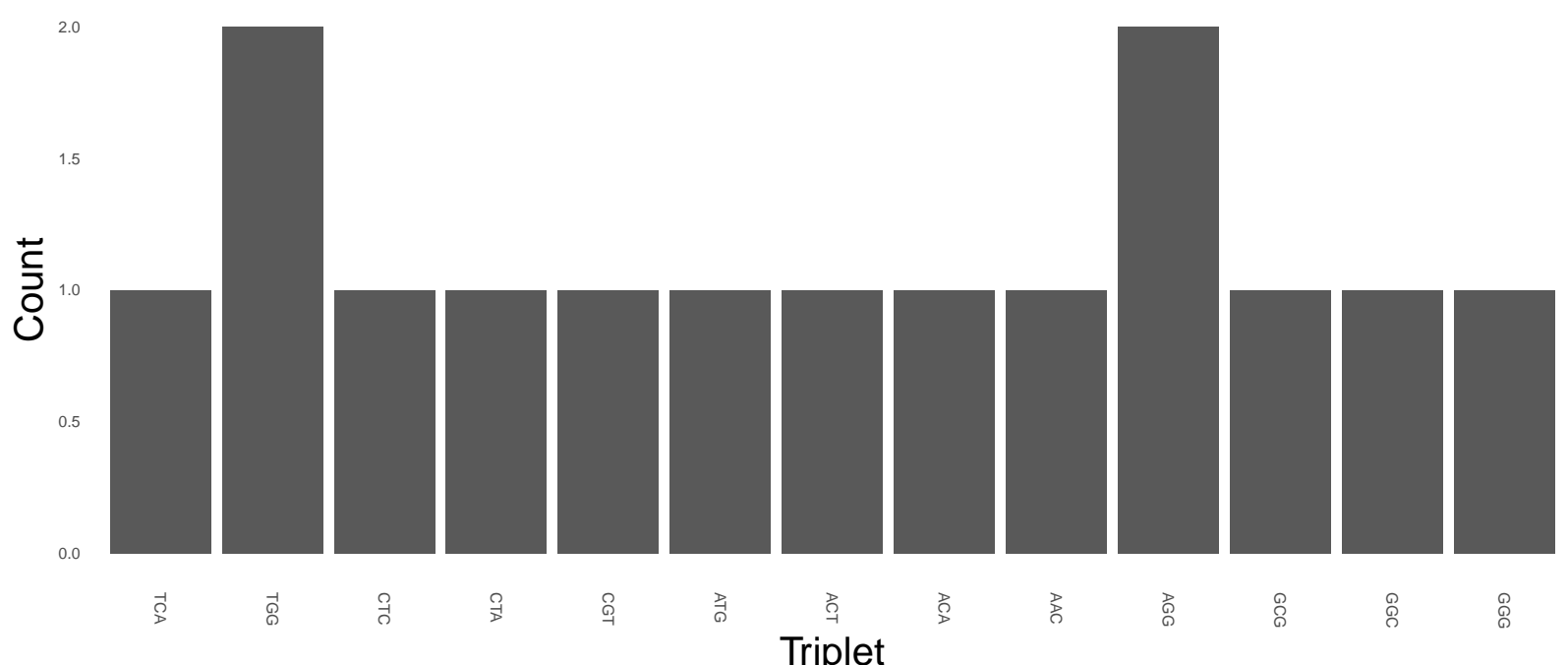
TRBV21-1*ap01_T307C- Final 3 nucleotides as a triplet



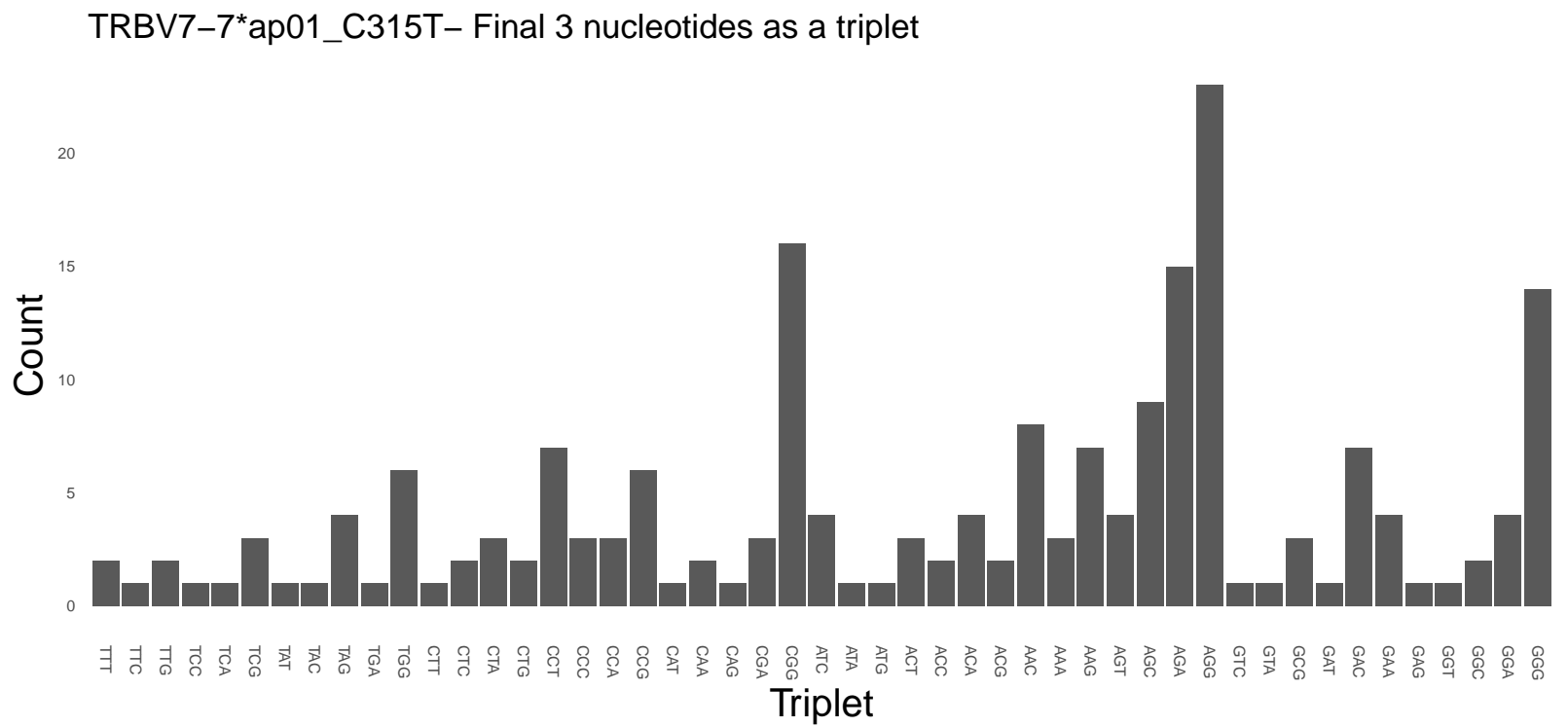
TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet



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

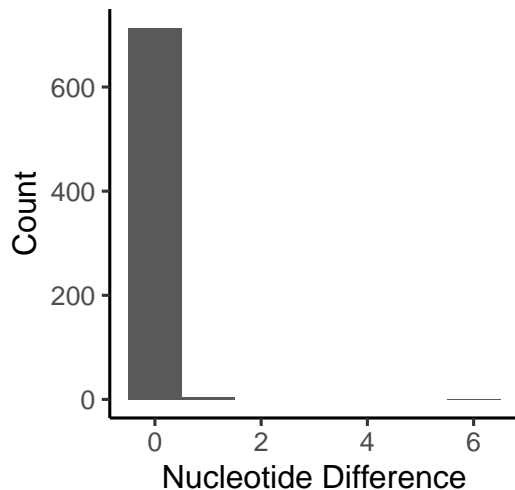


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



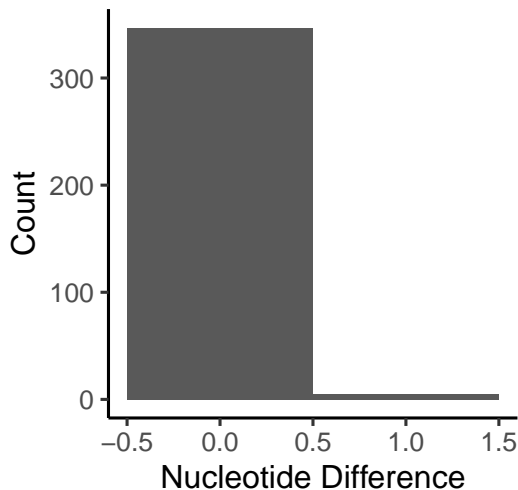
TRBV10–1*ap01

720 sequences assigned
714 (99.2%) exact matches, in which:
696 unique CDR3
13 unique J



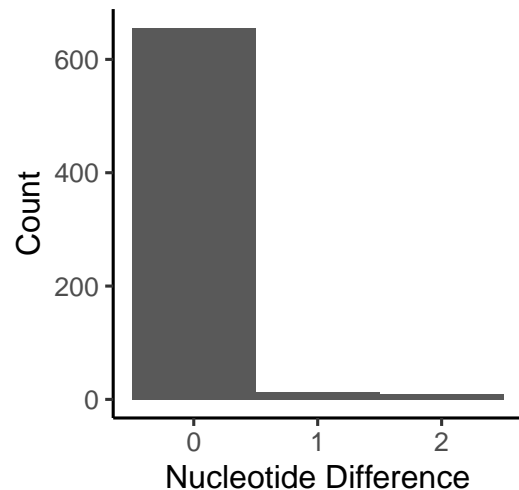
TRBV10–2*ap01

352 sequences assigned
347 (98.6%) exact matches, in which:
345 unique CDR3
13 unique J



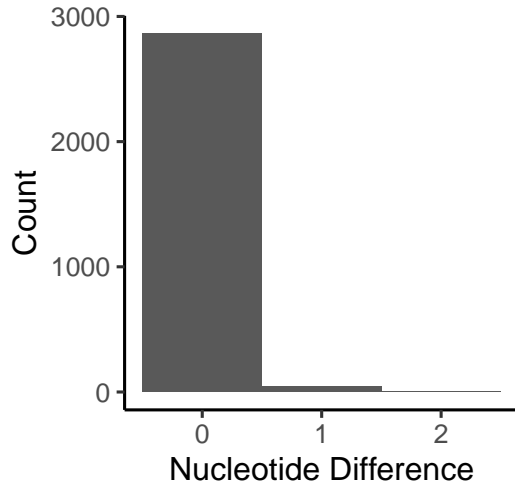
TRBV13*ap01

678 sequences assigned
656 (96.8%) exact matches, in which:
645 unique CDR3
13 unique J



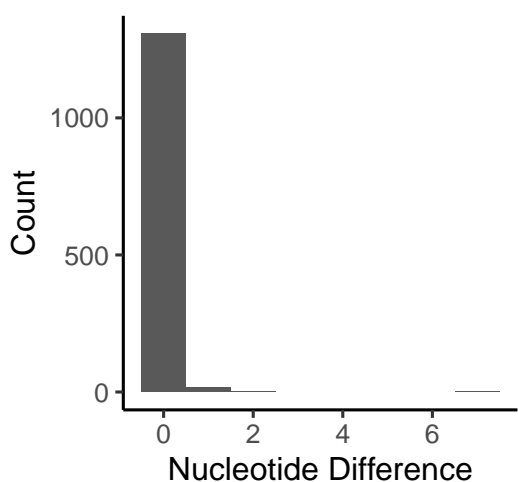
TRBV20–1*ap01

2905 sequences assigned
2862 (98.5%) exact matches, in which:
2809 unique CDR3
13 unique J



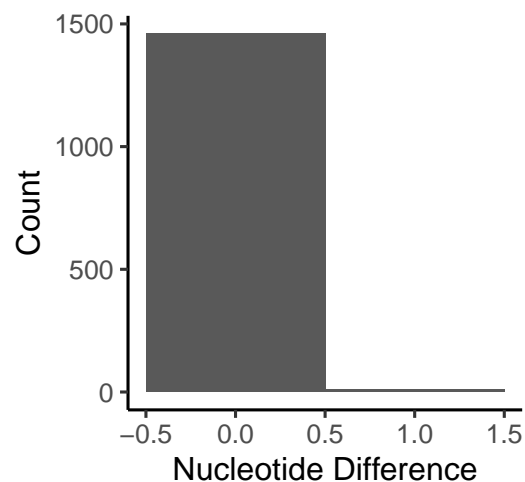
TRBV10–3*ap01

1325 sequences assigned
1307 (98.6%) exact matches, in which:
1289 unique CDR3
13 unique J



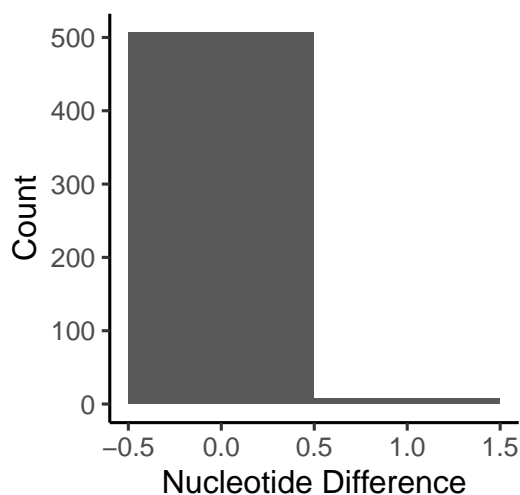
TRBV14*ap01

1472 sequences assigned
1460 (99.2%) exact matches, in which:
1437 unique CDR3
13 unique J



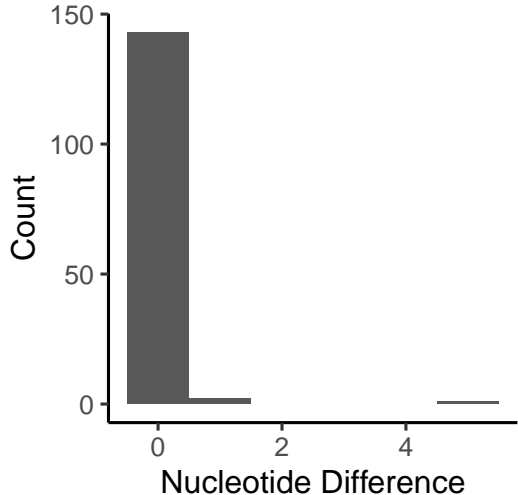
TRBV20–1*ap02

515 sequences assigned
507 (98.4%) exact matches, in which:
498 unique CDR3
13 unique J



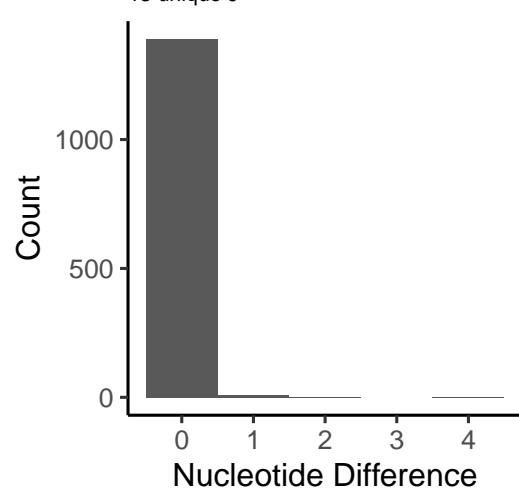
TRBV1*ap01

146 sequences assigned
143 (97.9%) exact matches, in which:
140 unique CDR3
12 unique J



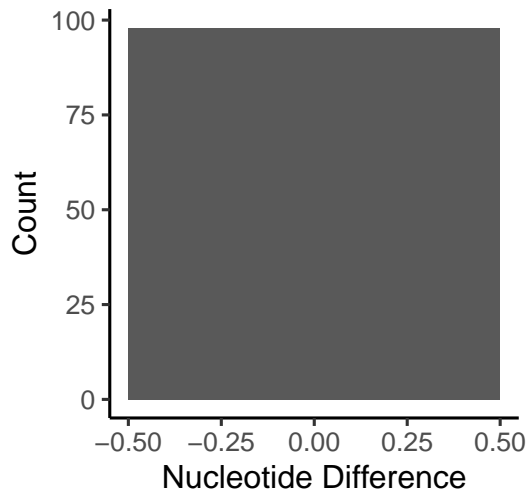
TRBV15*ap02

1402 sequences assigned
1390 (99.1%) exact matches, in which:
1355 unique CDR3
13 unique J



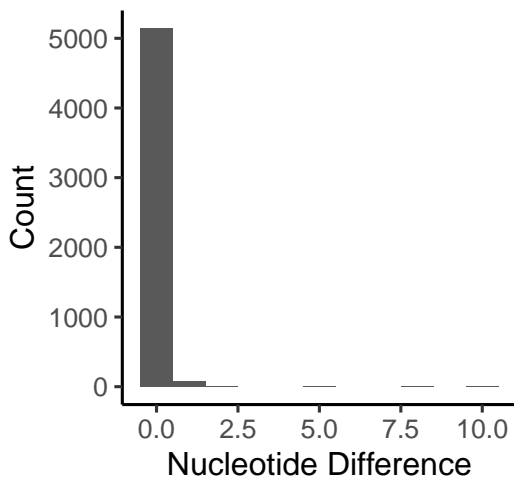
TRBV16*ap01

98 sequences assigned
98 (100%) exact matches, in which:
96 unique CDR3
12 unique J



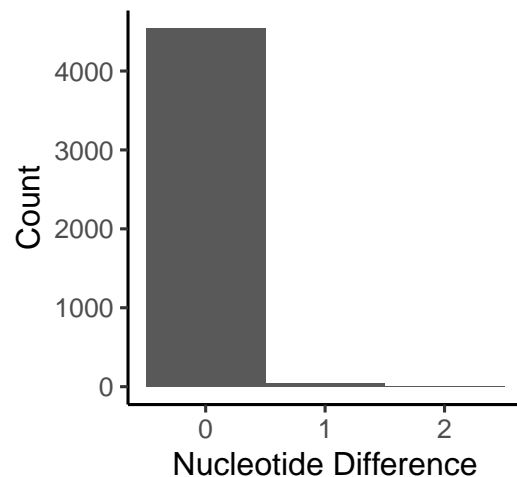
TRBV19*ap01

5231 sequences assigned
5142 (98.3%) exact matches, in which:
5073 unique CDR3
13 unique J



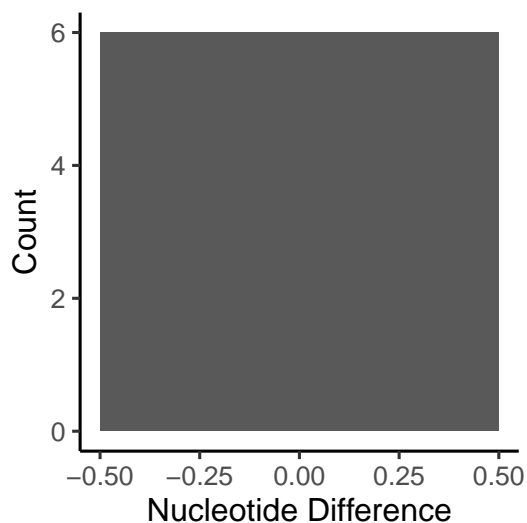
TRBV28*ap01

4590 sequences assigned
4540 (98.9%) exact matches, in which:
4442 unique CDR3
13 unique J



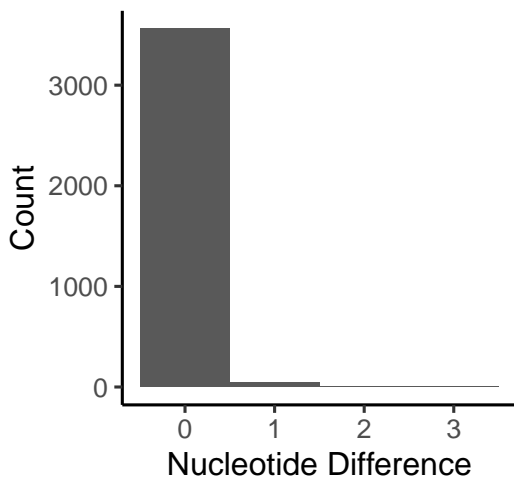
TRBV17*ap01

6 sequences assigned
6 (100%) exact matches, in which:
6 unique CDR3
4 unique J



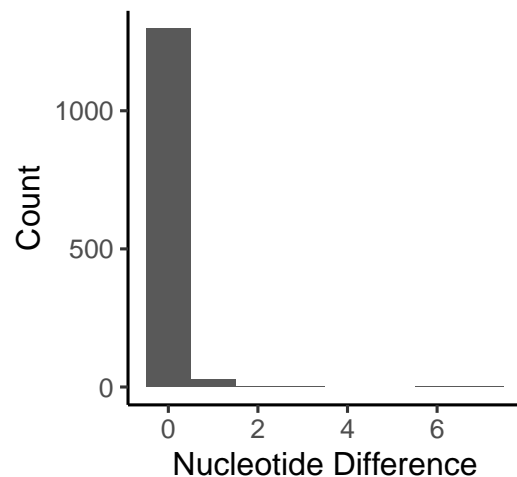
TRBV2*ap01

3607 sequences assigned
3561 (98.7%) exact matches, in which:
3526 unique CDR3
13 unique J



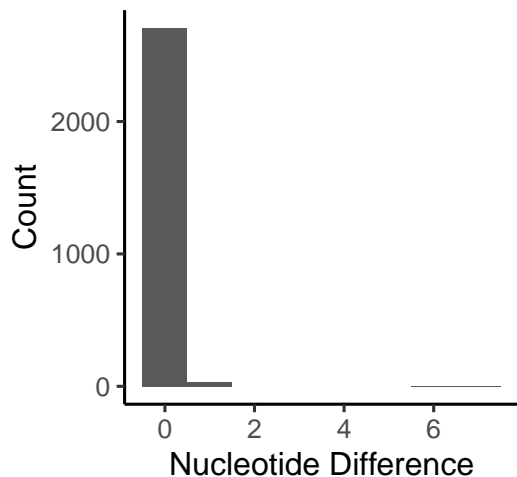
TRBV30*ap02

1329 sequences assigned
1297 (97.6%) exact matches, in which:
1283 unique CDR3
13 unique J



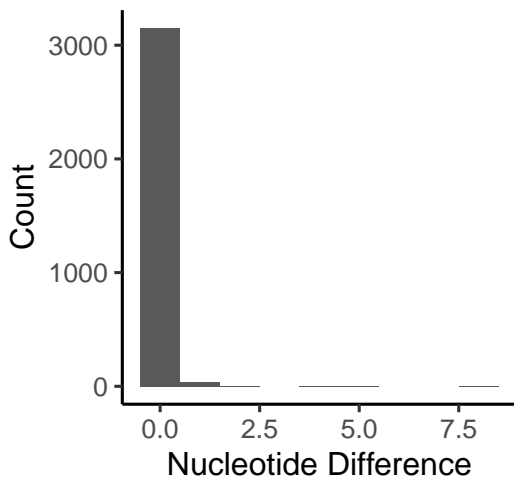
TRBV18*ap01

2741 sequences assigned
2706 (98.7%) exact matches, in which:
2659 unique CDR3
13 unique J



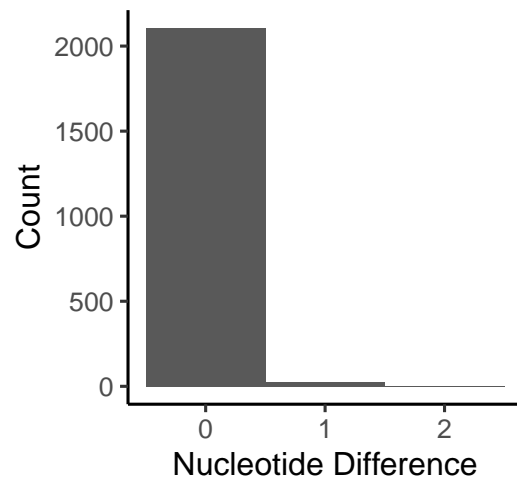
TRBV27*ap01

3197 sequences assigned
3151 (98.6%) exact matches, in which:
3095 unique CDR3
13 unique J



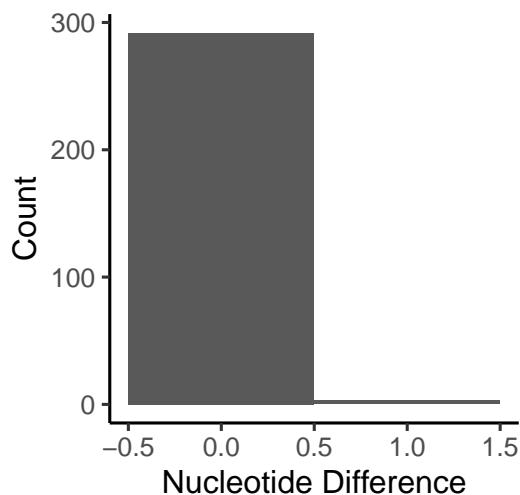
TRBV9*ap01

2133 sequences assigned
2106 (98.7%) exact matches, in which:
2058 unique CDR3
13 unique J



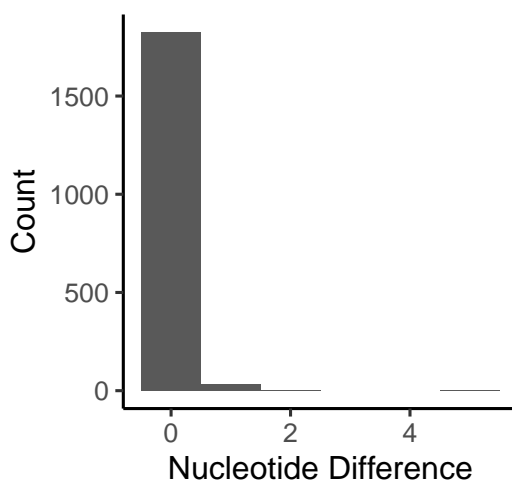
TRBV11-1*ap01

295 sequences assigned
292 (99%) exact matches, in which:
289 unique CDR3
13 unique J



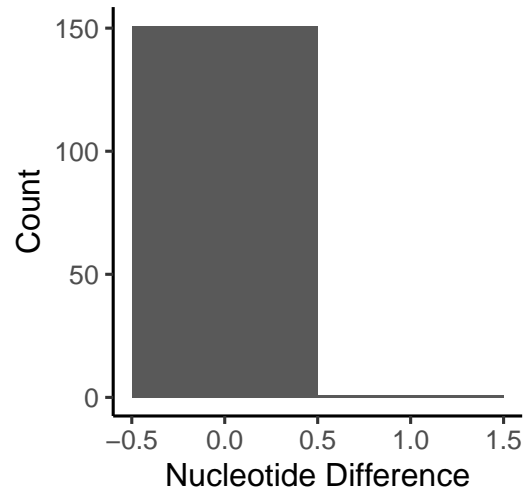
TRBV11-2*ap01

1862 sequences assigned
1824 (98%) exact matches, in which:
1775 unique CDR3
13 unique J



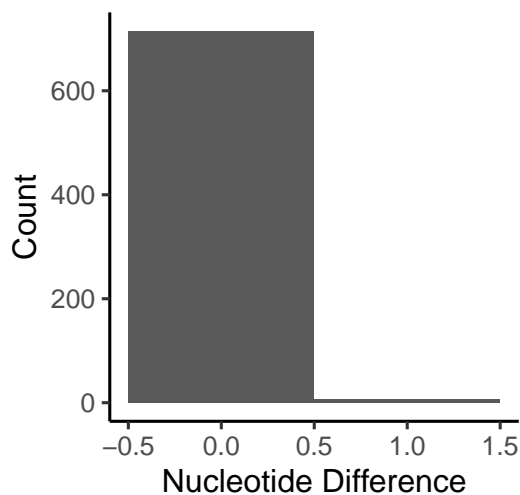
TRBV12-2*ap01

152 sequences assigned
151 (99.3%) exact matches, in which:
148 unique CDR3
13 unique J



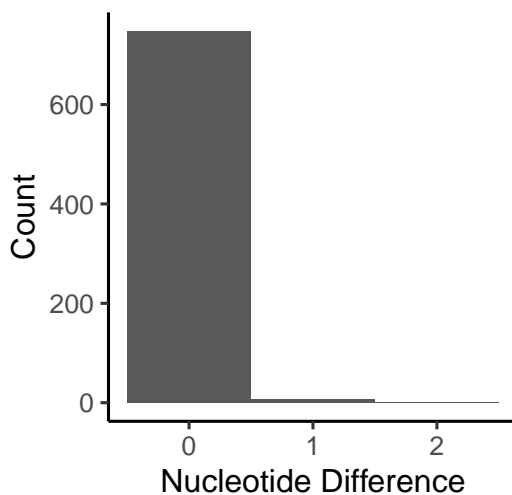
TRBV21-1*ap01

722 sequences assigned
715 (99%) exact matches, in which:
701 unique CDR3
13 unique J



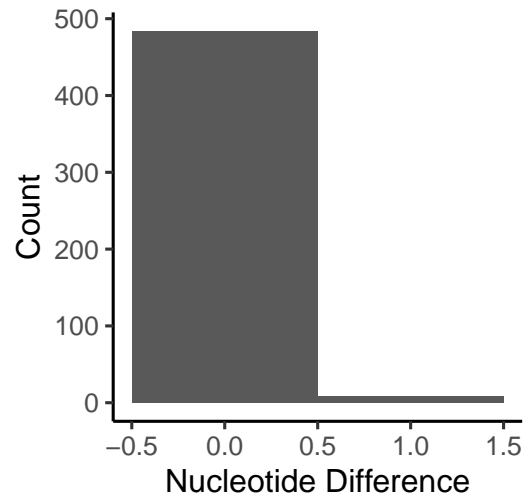
TRBV11-3*ap01

756 sequences assigned
748 (98.9%) exact matches, in which:
743 unique CDR3
13 unique J



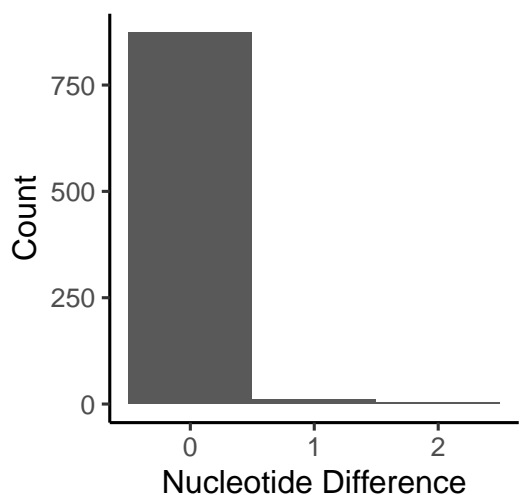
TRBV12-5*ap01

492 sequences assigned
484 (98.4%) exact matches, in which:
477 unique CDR3
13 unique J



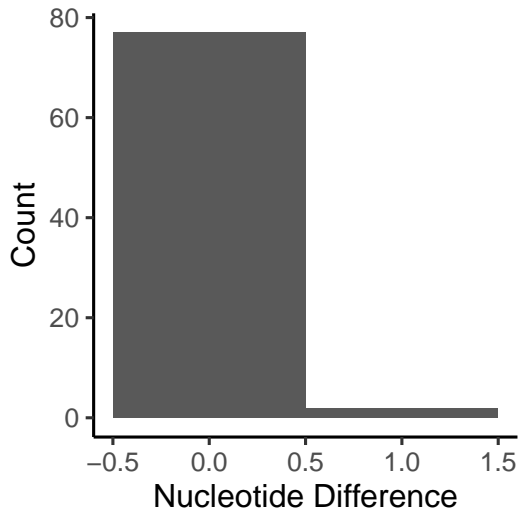
TRBV21-1*ap01_T307C

887 sequences assigned
874 (98.5%) exact matches, in which:
863 unique CDR3
13 unique J



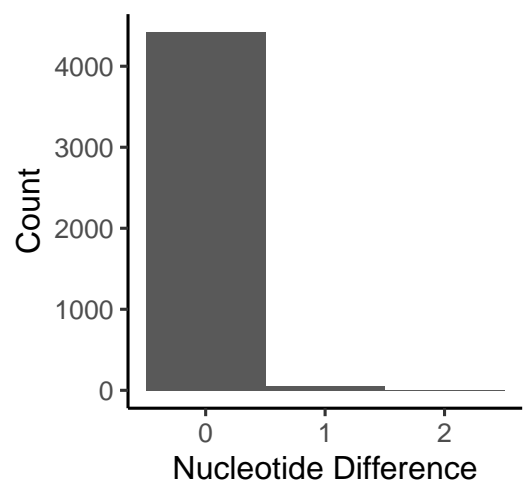
TRBV12-1*ap01

79 sequences assigned
77 (97.5%) exact matches, in which:
75 unique CDR3
12 unique J



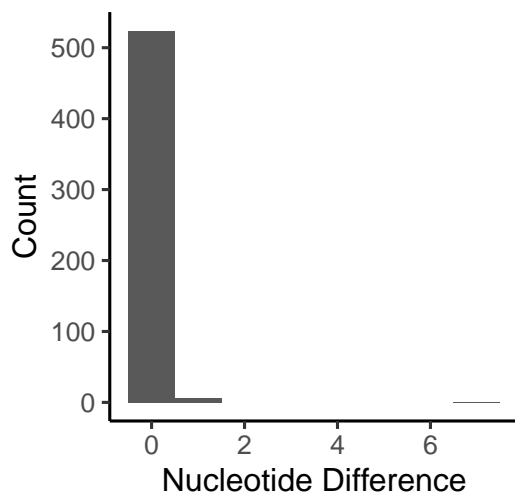
TRBV12-34*ap01

4480 sequences assigned
4422 (98.7%) exact matches, in which:
4341 unique CDR3
13 unique J



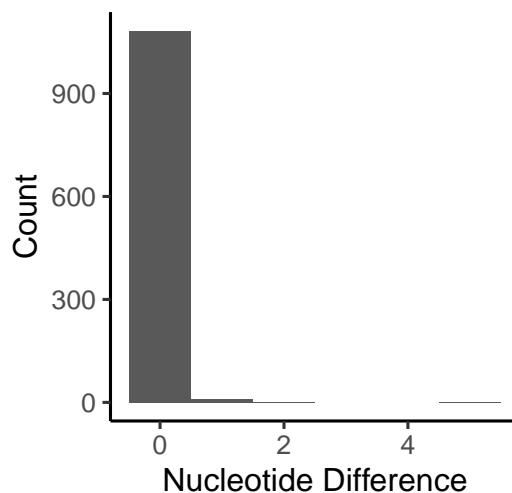
TRBV23–1*ap01

531 sequences assigned
524 (98.7%) exact matches, in which:
511 unique CDR3
13 unique J



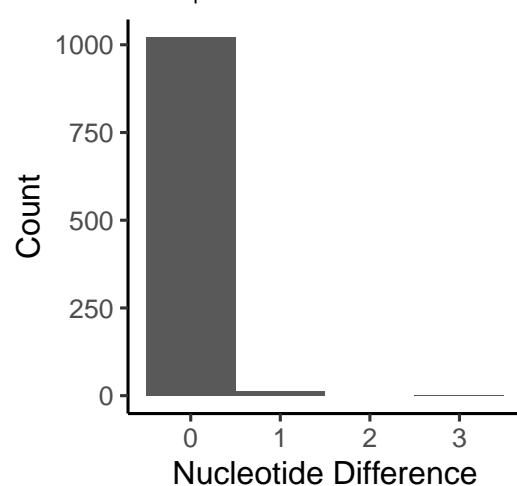
TRBV4–1*ap01

1096 sequences assigned
1083 (98.8%) exact matches, in which:
1064 unique CDR3
13 unique J



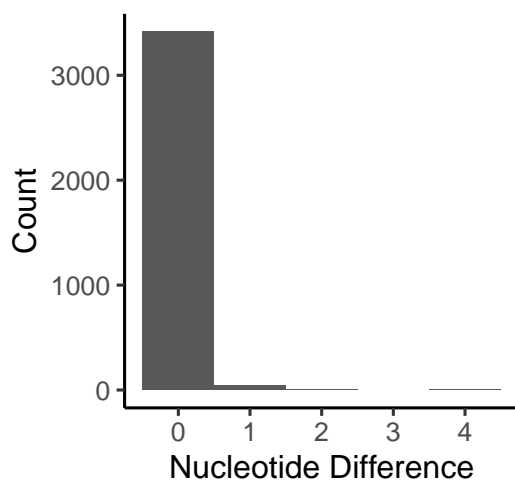
TRBV25–1*ap01

1035 sequences assigned
1021 (98.6%) exact matches, in which:
1013 unique CDR3
13 unique J



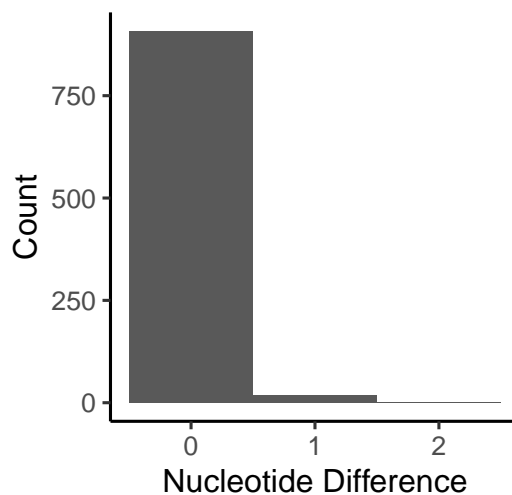
TRBV3–12*ap01

3465 sequences assigned
3415 (98.6%) exact matches, in which:
3364 unique CDR3
13 unique J



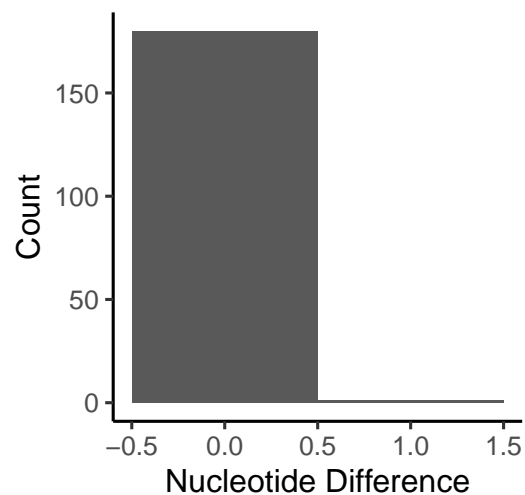
TRBV4–2*ap01

929 sequences assigned
908 (97.7%) exact matches, in which:
901 unique CDR3
13 unique J



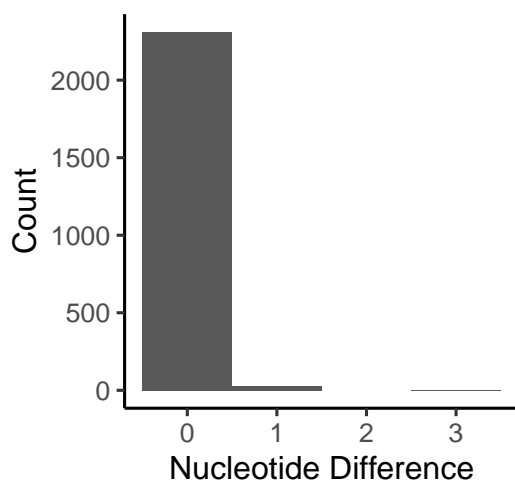
TRBV5–3*ap01

181 sequences assigned
180 (99.4%) exact matches, in which:
175 unique CDR3
12 unique J



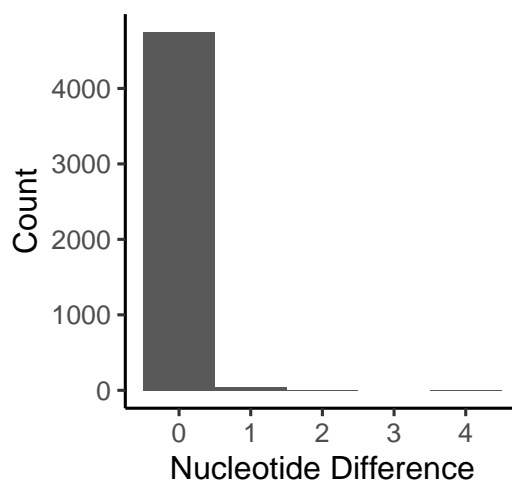
TRBV24–1*ap01

2339 sequences assigned
2310 (98.8%) exact matches, in which:
2289 unique CDR3
13 unique J



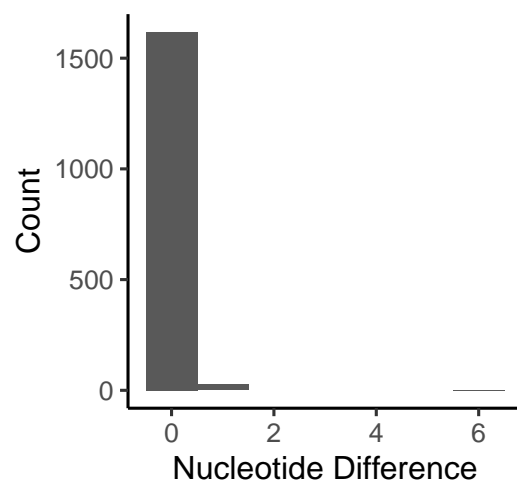
TRBV5–1*ap01

4794 sequences assigned
4747 (99%) exact matches, in which:
4619 unique CDR3
13 unique J



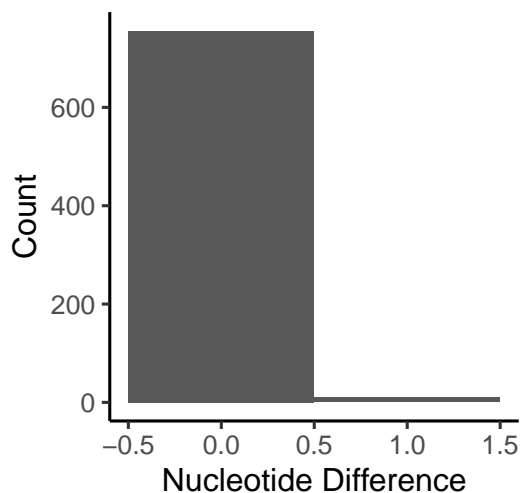
TRBV5–4*ap01

1646 sequences assigned
1618 (98.3%) exact matches, in which:
1585 unique CDR3
13 unique J



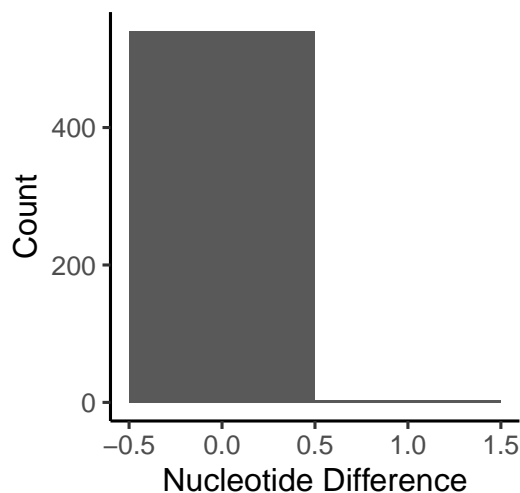
TRBV5-5*ap01

766 sequences assigned
756 (98.7%) exact matches, in which:
740 unique CDR3
13 unique J



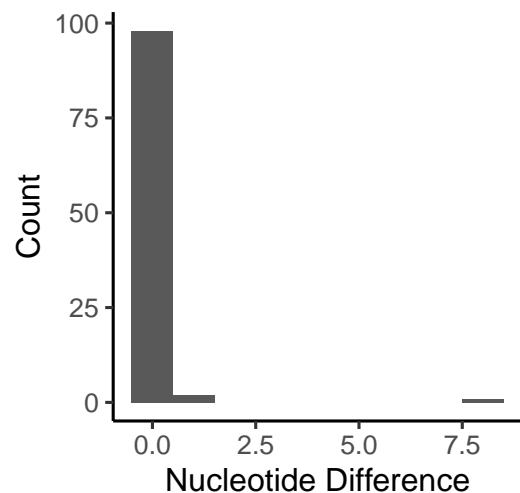
TRBV5-8*ap01

544 sequences assigned
541 (99.4%) exact matches, in which:
535 unique CDR3
13 unique J



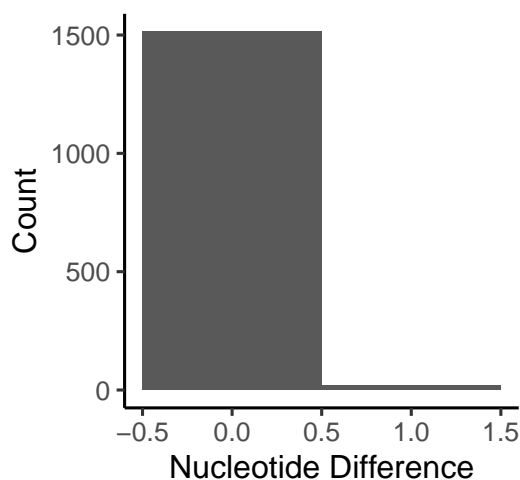
TRBV6-7*ap01

101 sequences assigned
98 (97%) exact matches, in which:
97 unique CDR3
13 unique J



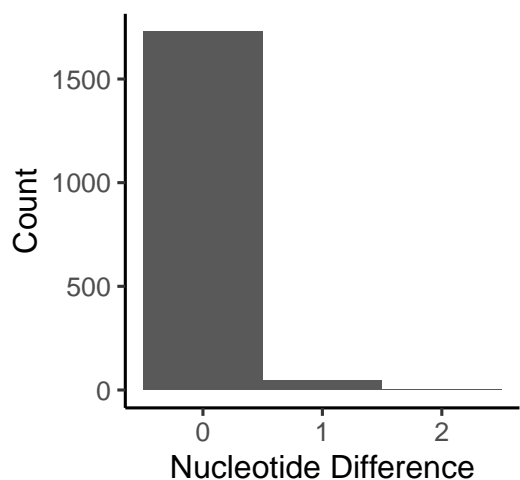
TRBV5-6*ap01

1535 sequences assigned
1514 (98.6%) exact matches, in which:
1496 unique CDR3
13 unique J



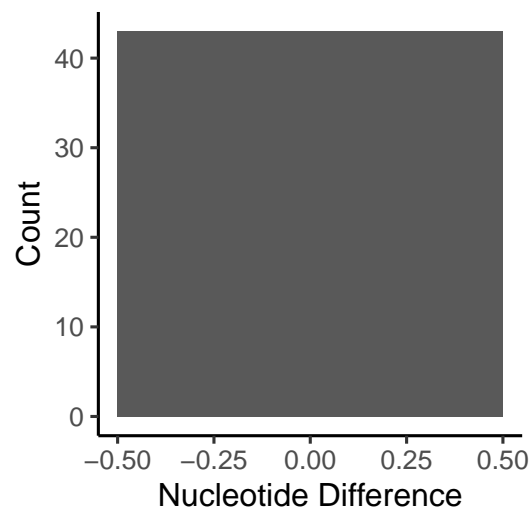
TRBV6-1*ap01

1776 sequences assigned
1728 (97.3%) exact matches, in which:
1705 unique CDR3
13 unique J



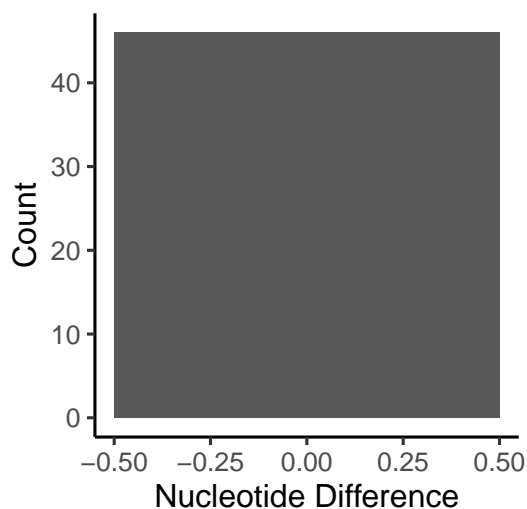
TRBV6-8*ap01

43 sequences assigned
43 (100%) exact matches, in which:
42 unique CDR3
10 unique J



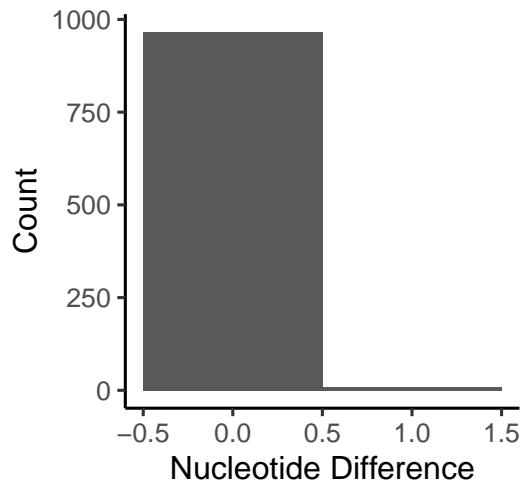
TRBV5-7*ap01

46 sequences assigned
46 (100%) exact matches, in which:
46 unique CDR3
10 unique J



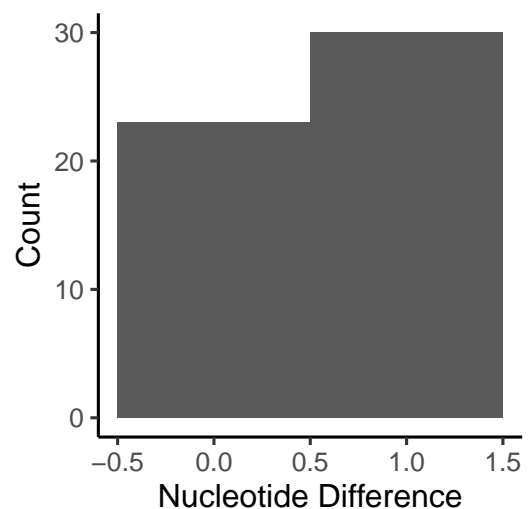
TRBV6-4*ap01

975 sequences assigned
966 (99.1%) exact matches, in which:
952 unique CDR3
13 unique J



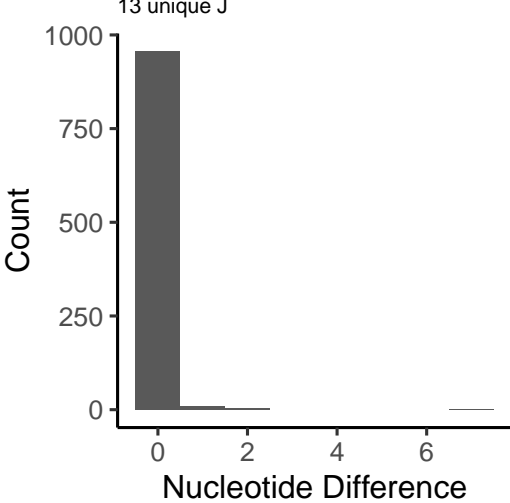
TRBV6-9*ap01

53 sequences assigned
23 (43.4%) exact matches, in which:
22 unique CDR3
10 unique J



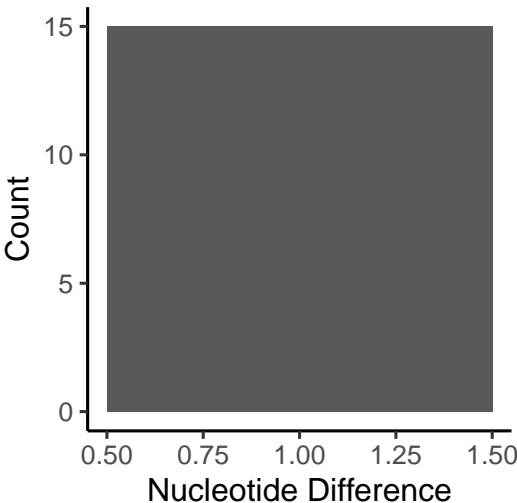
TRBV6-23*ap01

970 sequences assigned
956 (98.6%) exact matches, in which:
941 unique CDR3
13 unique J



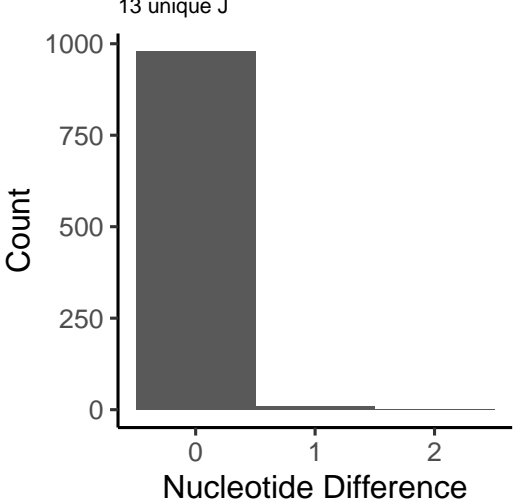
TRBV7-1*ap01_T296C

15 sequences assigned
No exact matches.



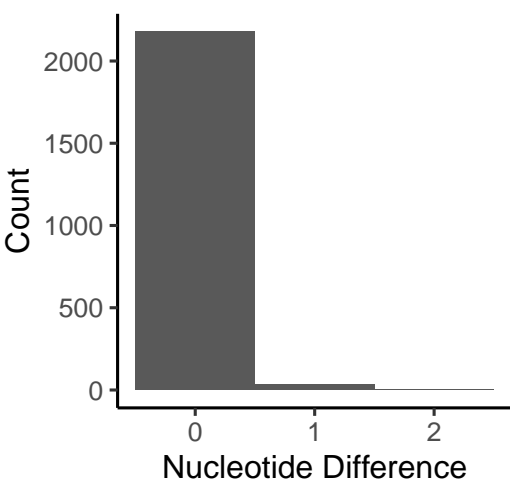
TRBV7-3*ap01

989 sequences assigned
979 (99%) exact matches, in which:
958 unique CDR3
13 unique J



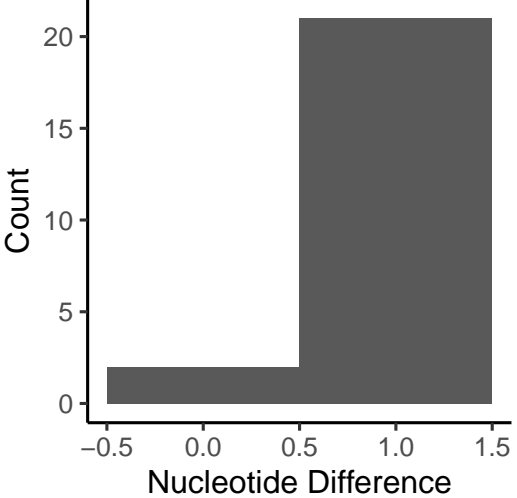
TRBV6-56*ap01

2212 sequences assigned
2178 (98.5%) exact matches, in which:
2146 unique CDR3
13 unique J



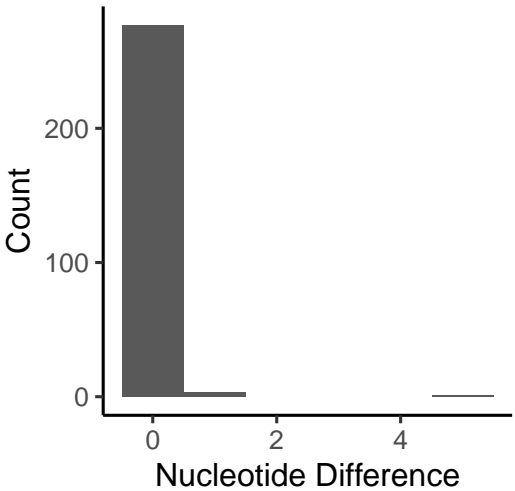
TRBV7-1*ap01_T296C_C

23 sequences assigned
2 (8.7%) exact matches, in which:
2 unique CDR3
2 unique J



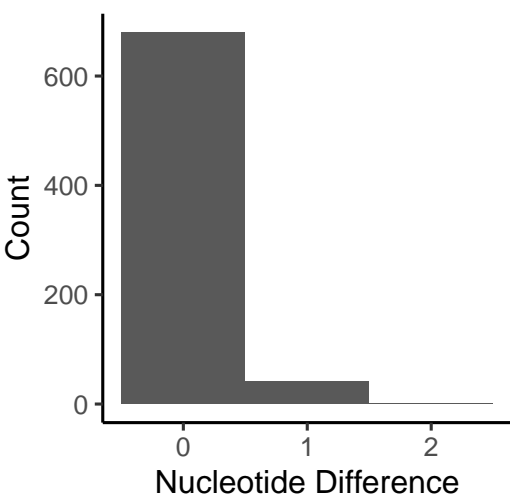
TRBV7-3*ap03

281 sequences assigned
277 (98.6%) exact matches, in which:
274 unique CDR3
13 unique J



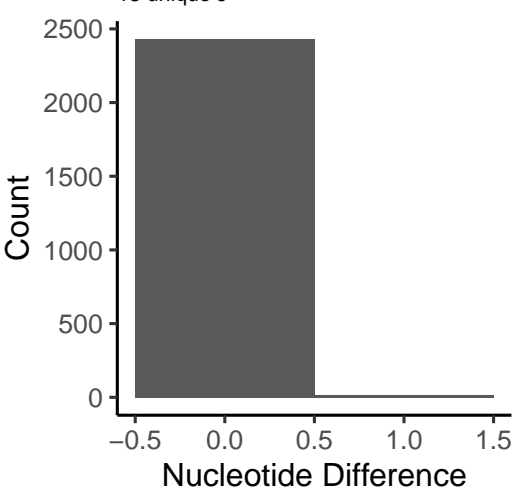
TRBV6-56*ap02

723 sequences assigned
680 (94.1%) exact matches, in which:
664 unique CDR3
13 unique J



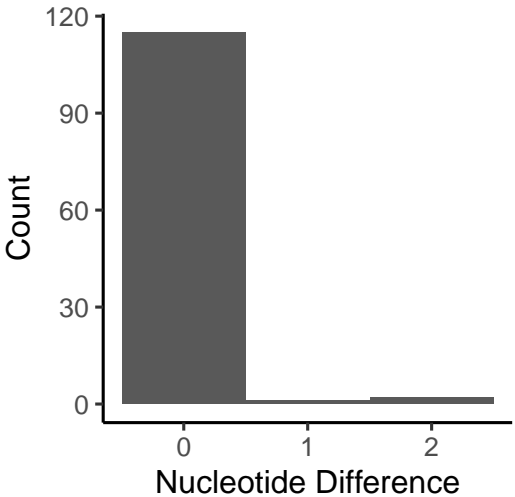
TRBV7-2*ap01

2446 sequences assigned
2431 (99.4%) exact matches, in which:
2380 unique CDR3
13 unique J



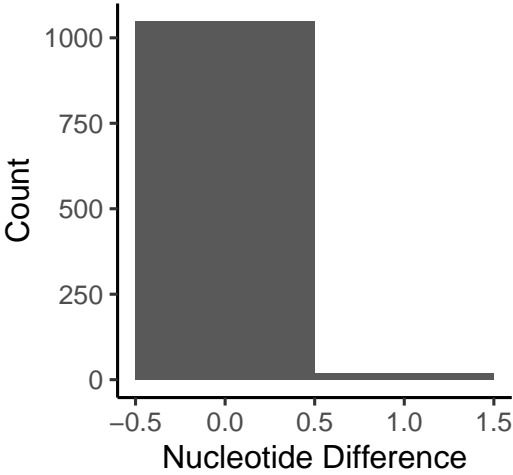
TRBV7-4*ap01

118 sequences assigned
115 (97.5%) exact matches, in which:
113 unique CDR3
13 unique J



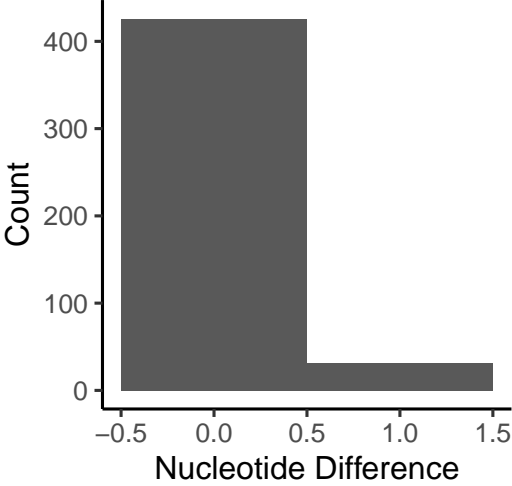
TRBV7-6*ap01

1067 sequences assigned
1048 (98.2%) exact matches, in which:
1030 unique CDR3
13 unique J



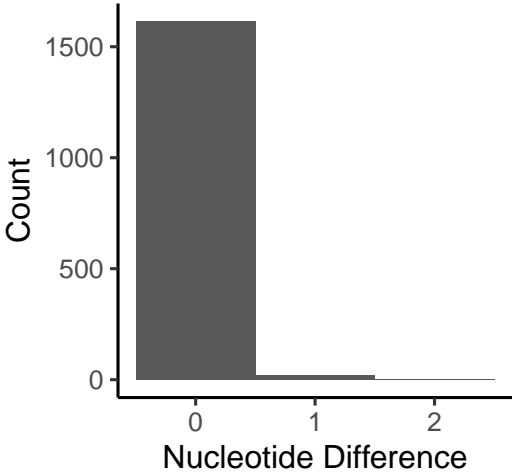
TRBV7-8*ap01

457 sequences assigned
426 (93.2%) exact matches, in which:
417 unique CDR3
13 unique J



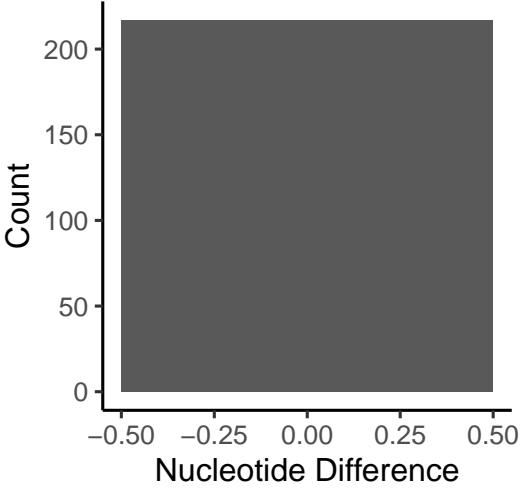
TRBV29-1*ap01

1635 sequences assigned
1614 (98.7%) exact matches, in which:
1595 unique CDR3
13 unique J



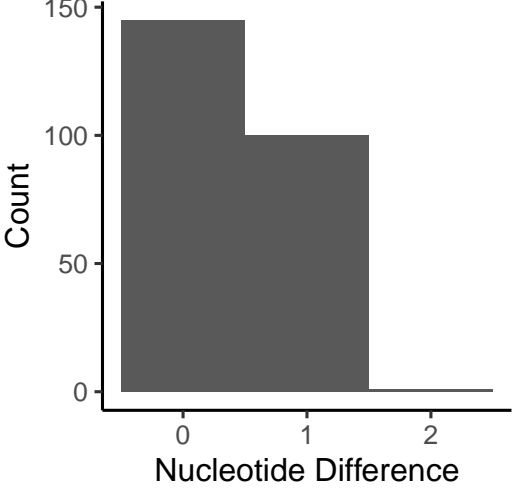
TRBV7-7*ap01

217 sequences assigned
217 (100%) exact matches, in which:
213 unique CDR3
13 unique J



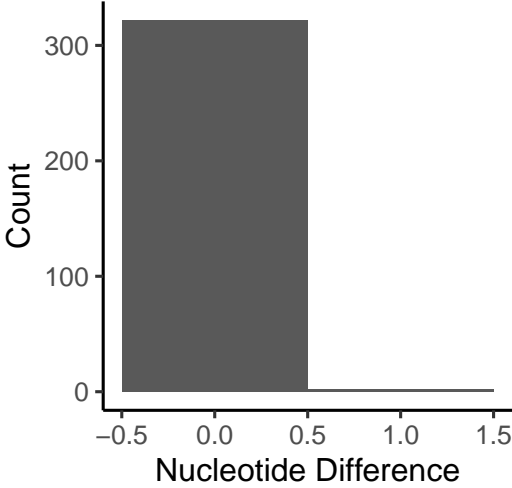
TRBV7-8*ap03

246 sequences assigned
145 (58.9%) exact matches, in which:
143 unique CDR3
13 unique J



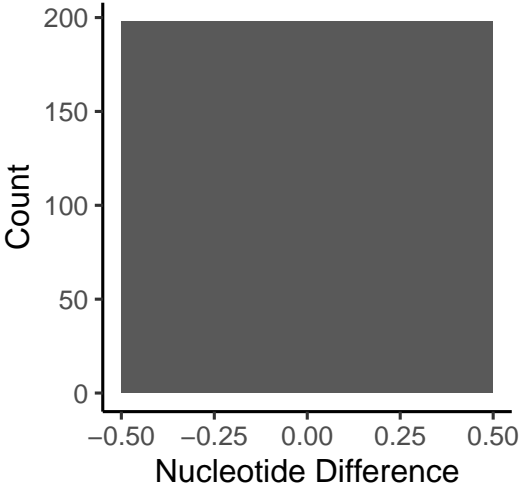
TRBV29-1*ap02

324 sequences assigned
322 (99.4%) exact matches, in which:
318 unique CDR3
13 unique J



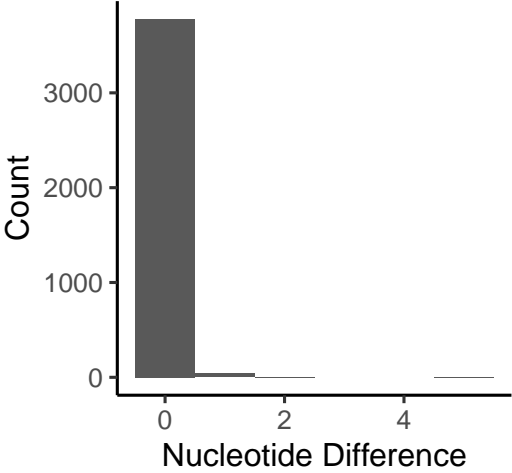
TRBV7-7*ap01_C315T

198 sequences assigned
198 (100%) exact matches, in which:
192 unique CDR3
13 unique J

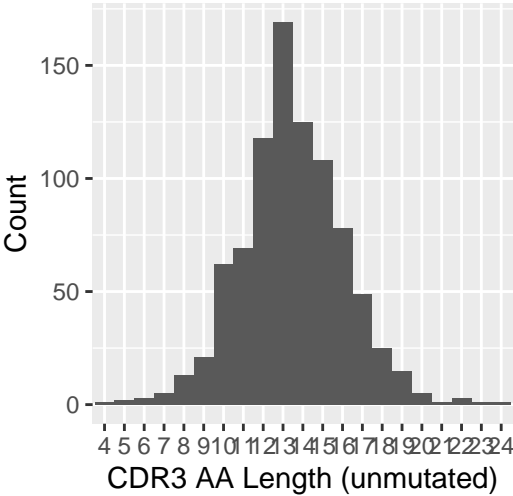


TRBV7-9*ap01

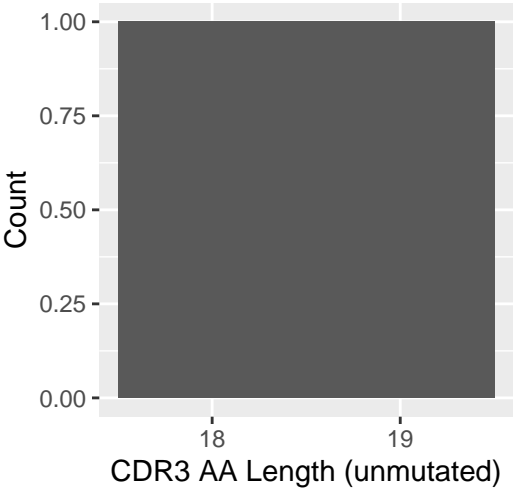
3822 sequences assigned
3778 (98.8%) exact matches, in which:
3720 unique CDR3
13 unique J



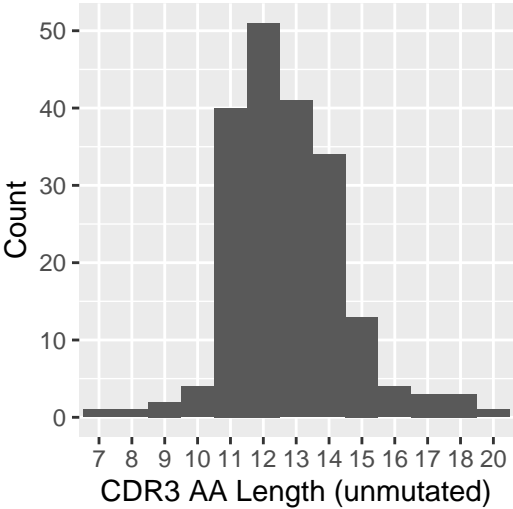
TRBV21-1*ap01_T307C

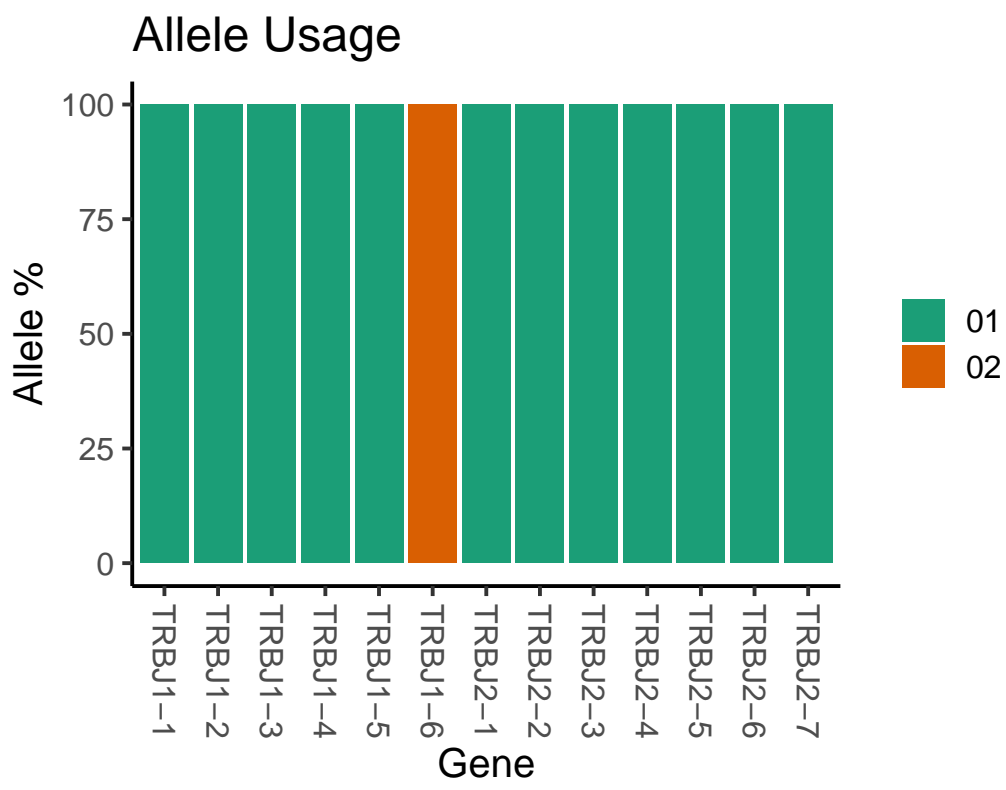


TRBV7-1*ap01_T296C_C314T



TRBV7-7*ap01_C315T





Warning – no inferred sequences found.

Warning – no inferred sequences found.