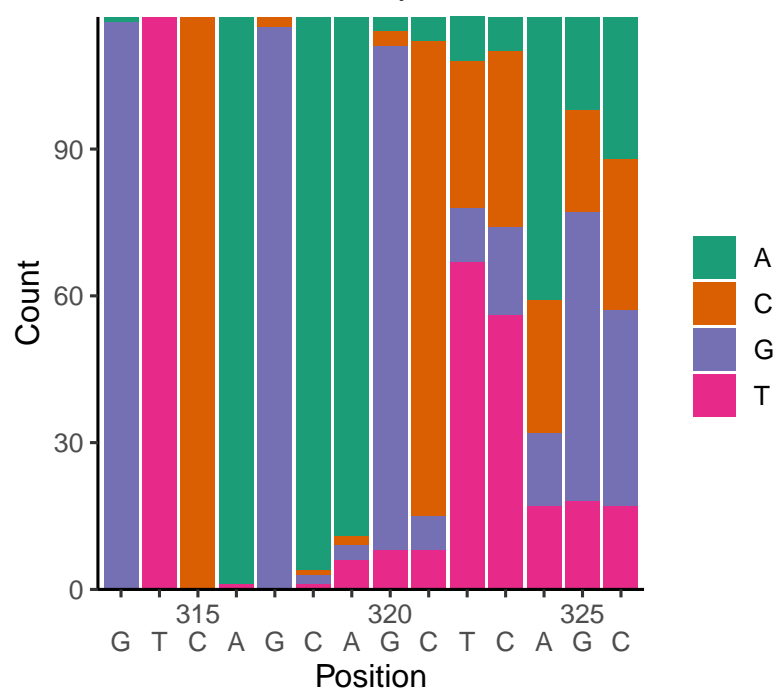
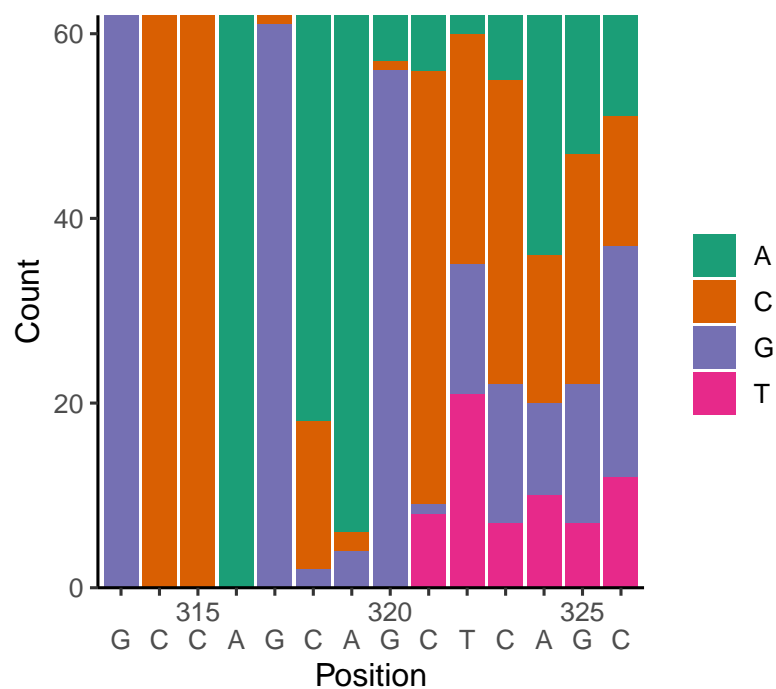


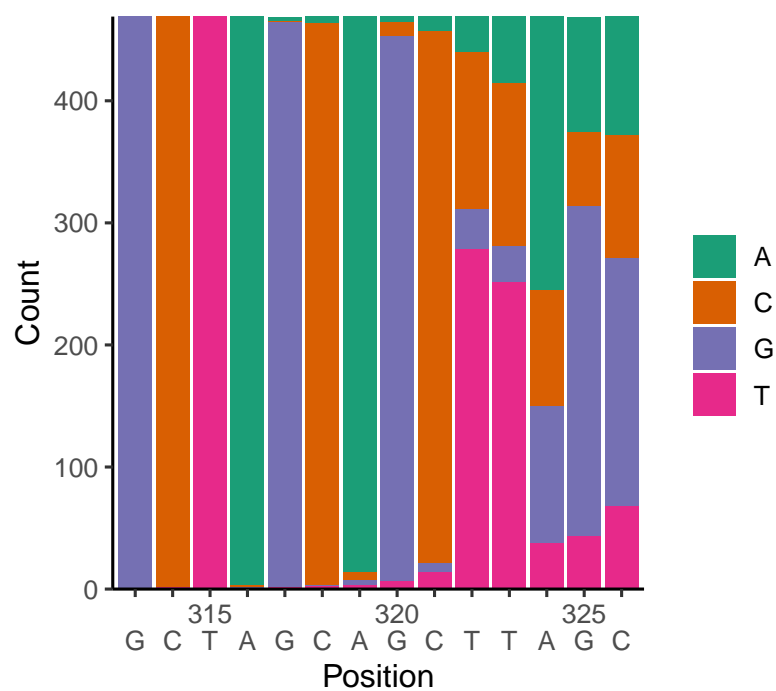
Gene TRBV7-1*ap01_T296C_C314T



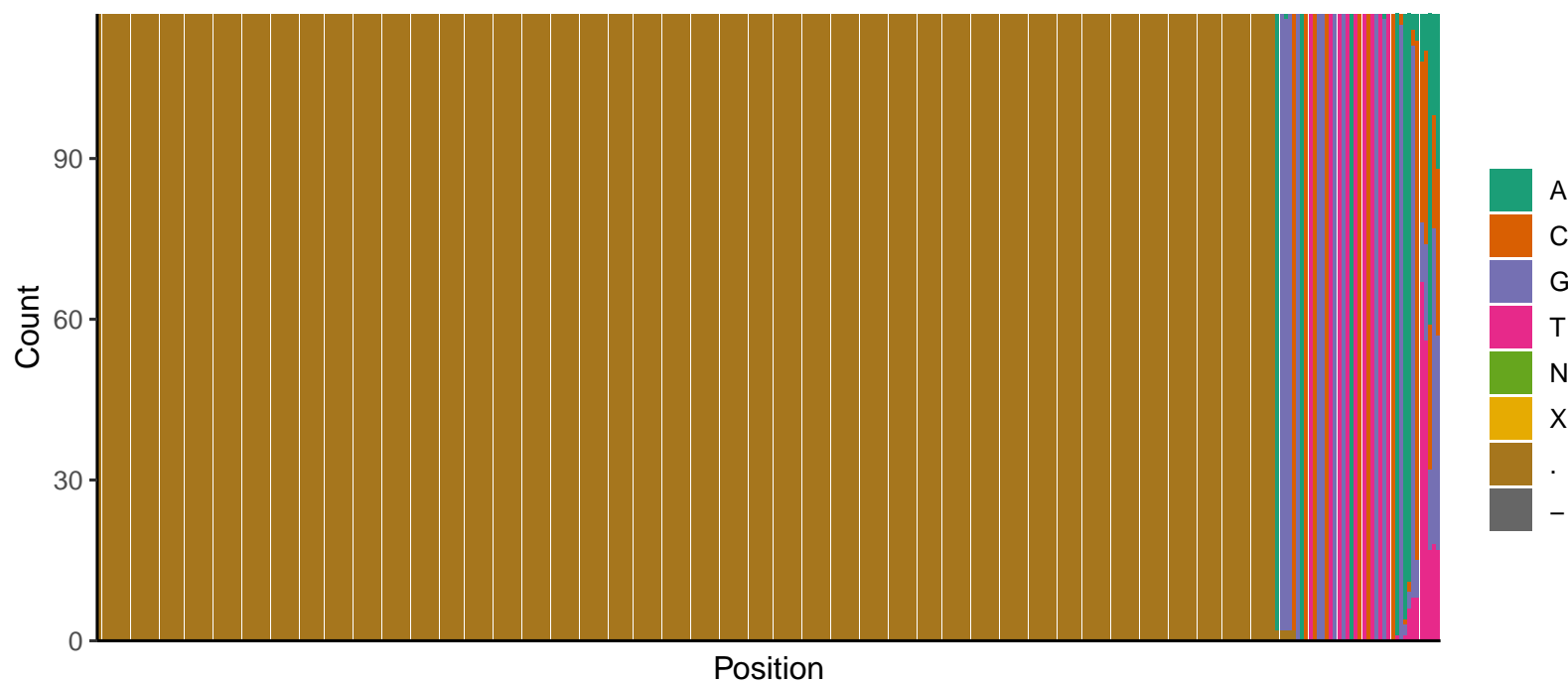
Gene TRBV7-1*ap01_T296C



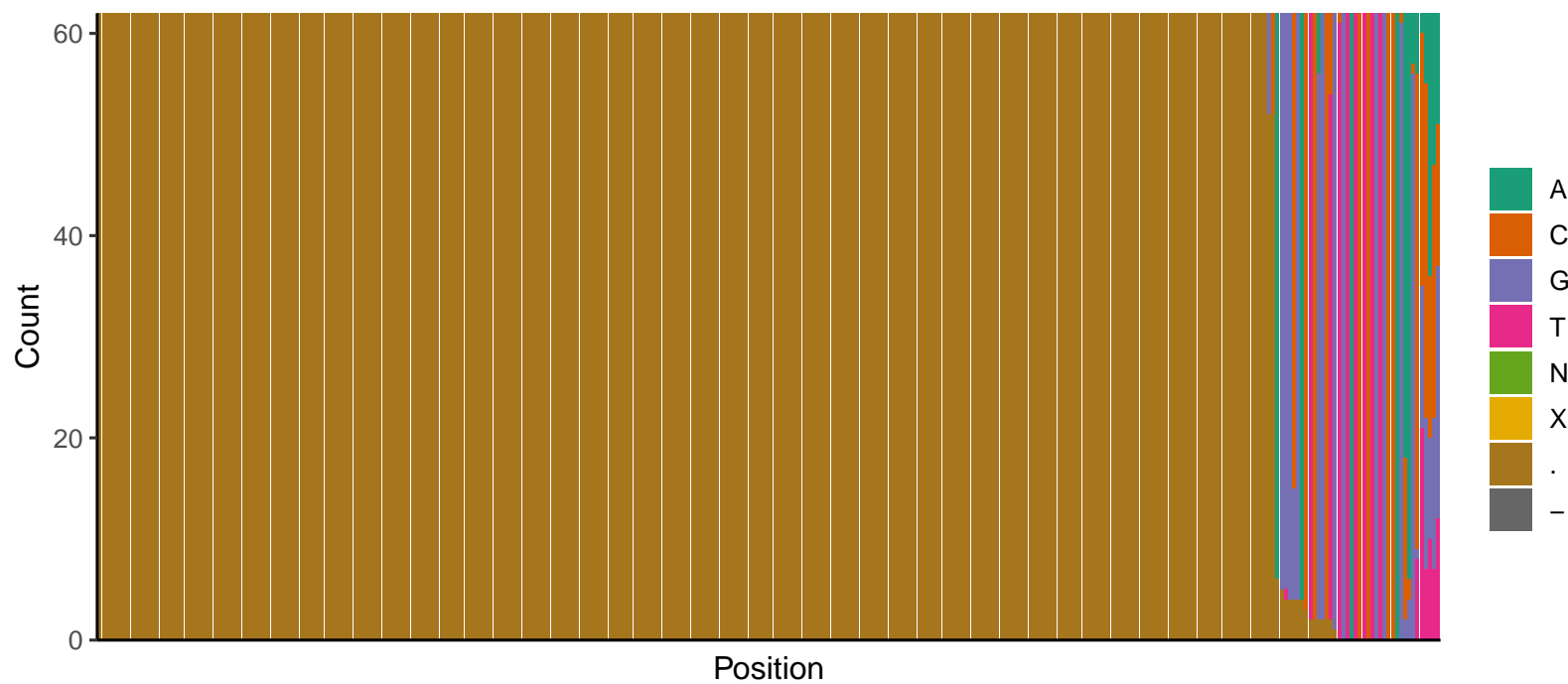
Gene TRBV7-7*ap01_C315T



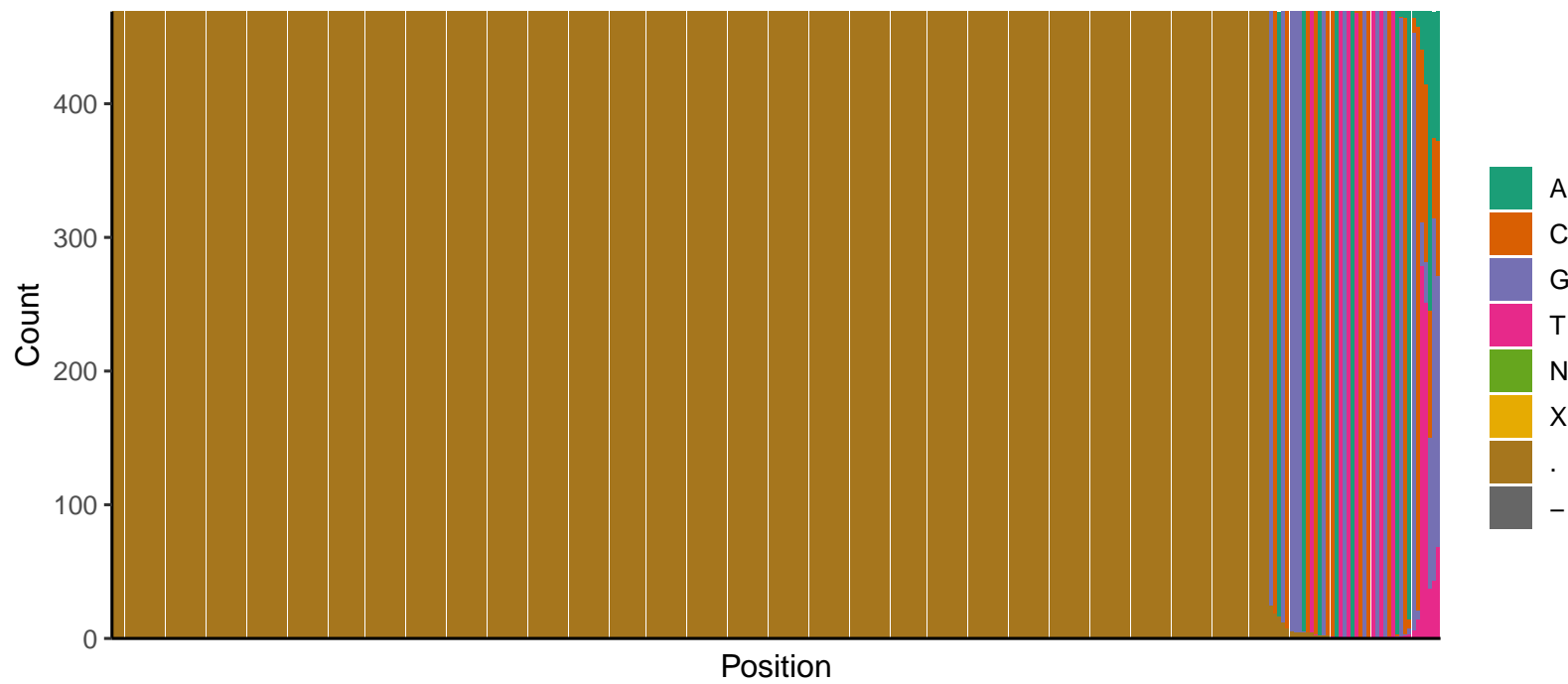
Gene TRBV7-1*ap01_T296C_C314T



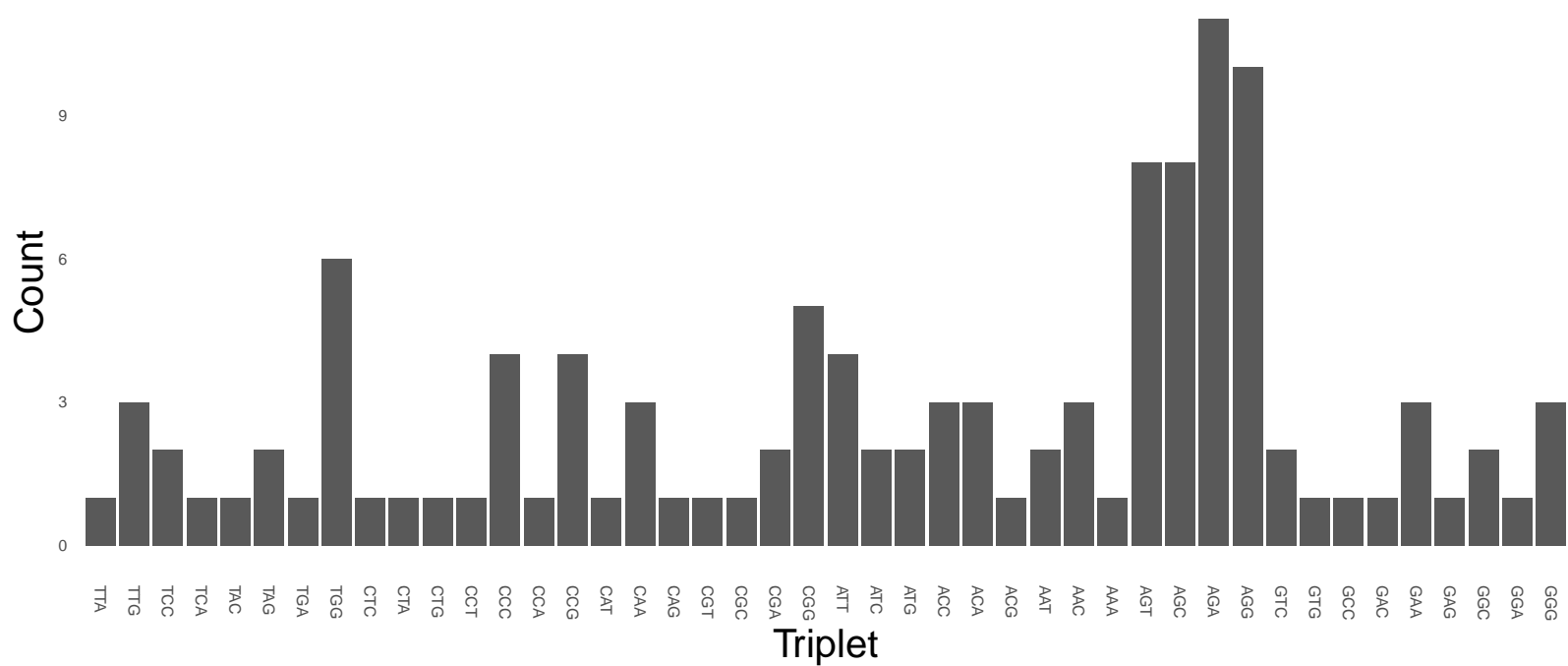
Gene TRBV7-1*ap01_T296C



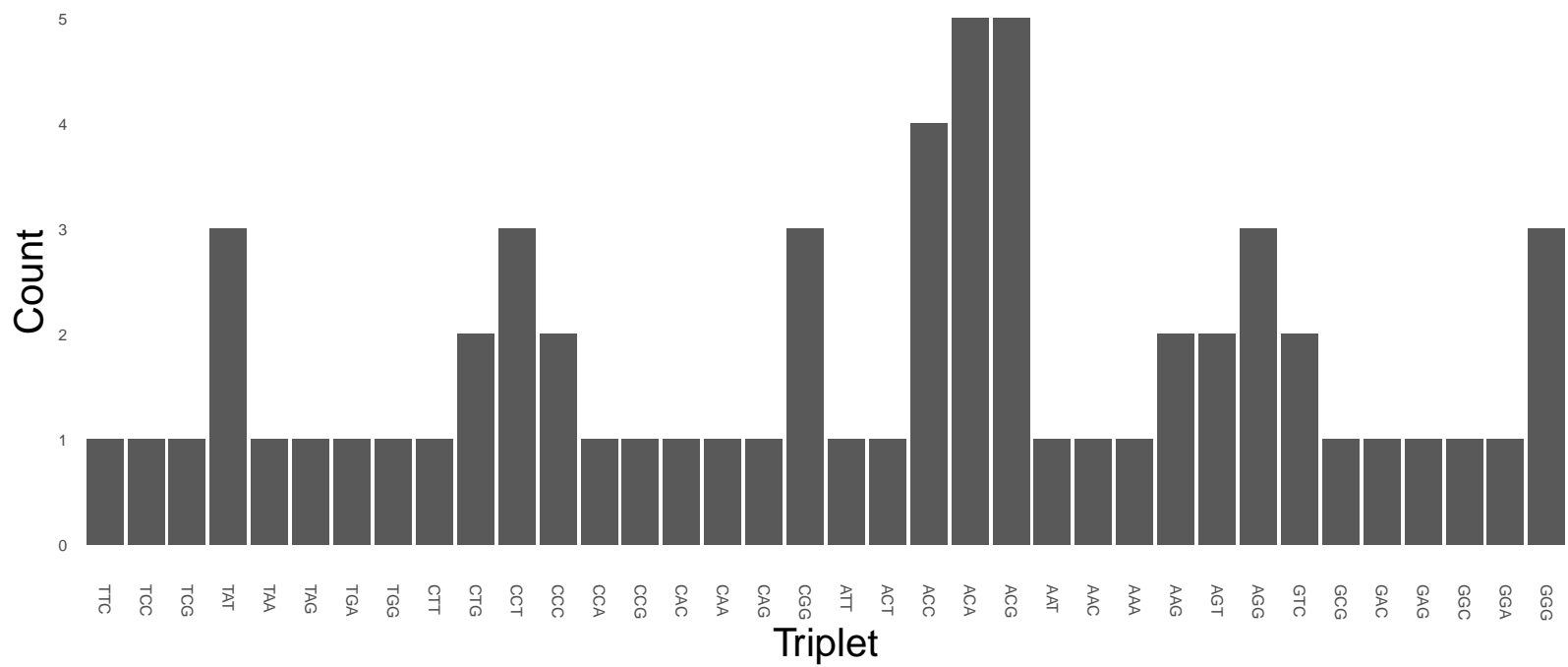
Gene TRBV7-7*ap01_C315T



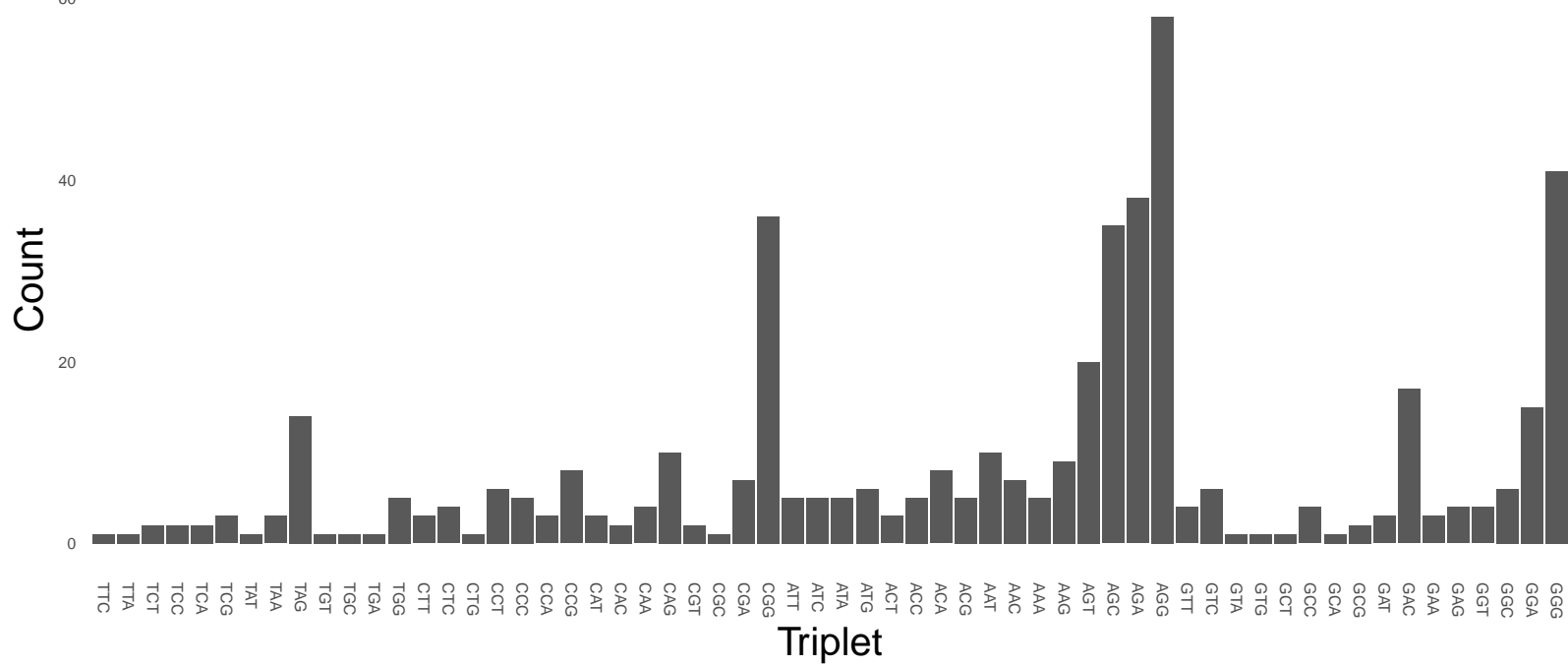
TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet



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

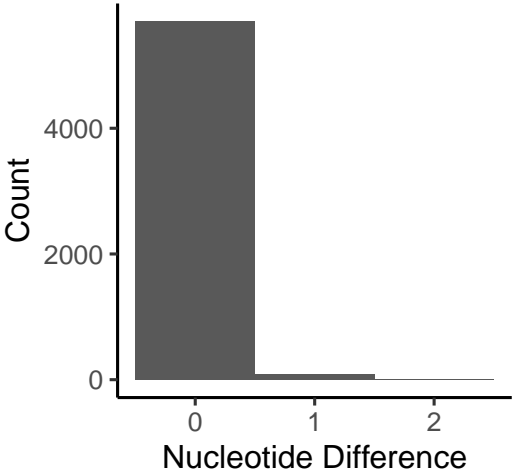


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



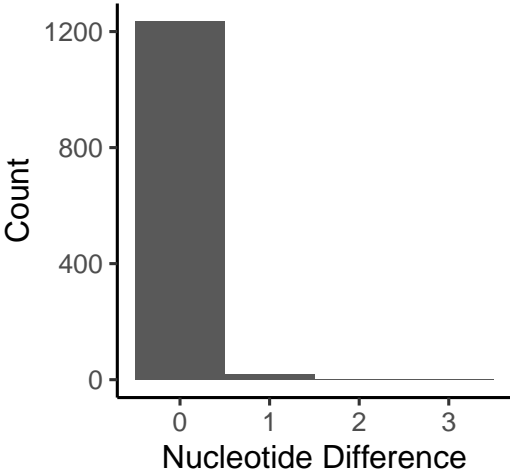
TRBV20-1*ap01

5784 sequences assigned
5700 (98.5%) exact matches, in which:
5600 unique CDR3
13 unique J



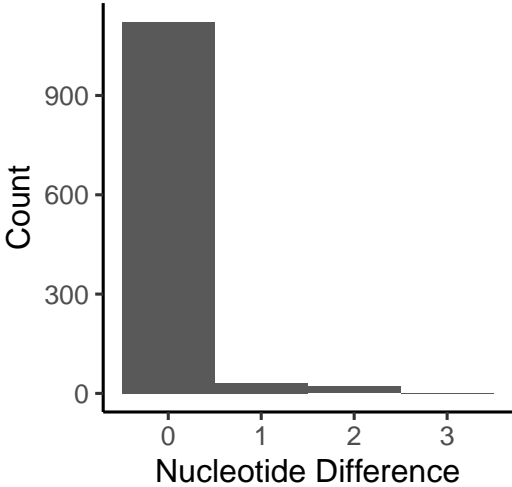
TRBV10-2*ap01

1255 sequences assigned
1235 (98.4%) exact matches, in which:
1210 unique CDR3
13 unique J



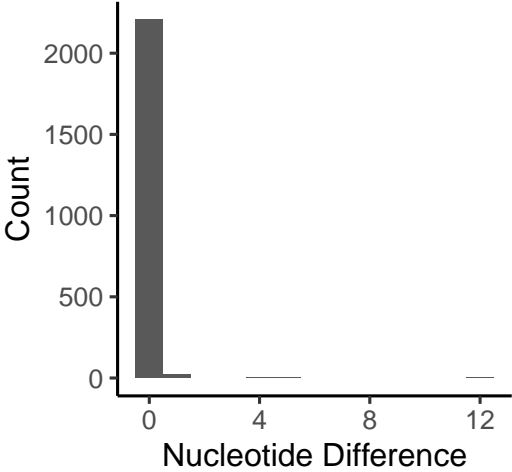
TRBV13*ap01

1176 sequences assigned
1123 (95.5%) exact matches, in which:
1088 unique CDR3
13 unique J



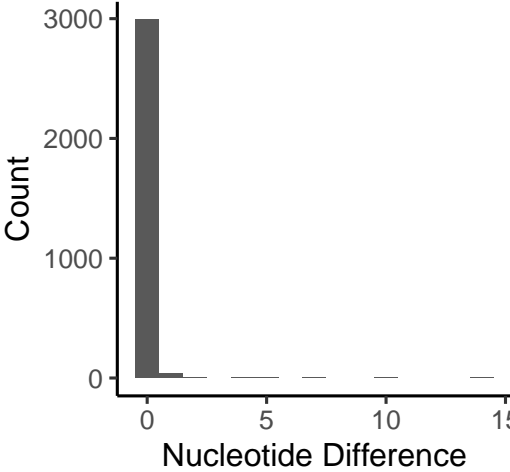
TRBV10-1*ap01

2232 sequences assigned
2206 (98.8%) exact matches, in which:
2154 unique CDR3
13 unique J



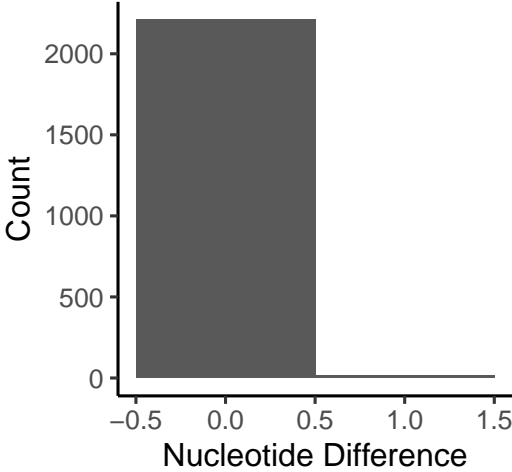
TRBV10-3*ap01

3033 sequences assigned
2991 (98.6%) exact matches, in which:
2929 unique CDR3
13 unique J



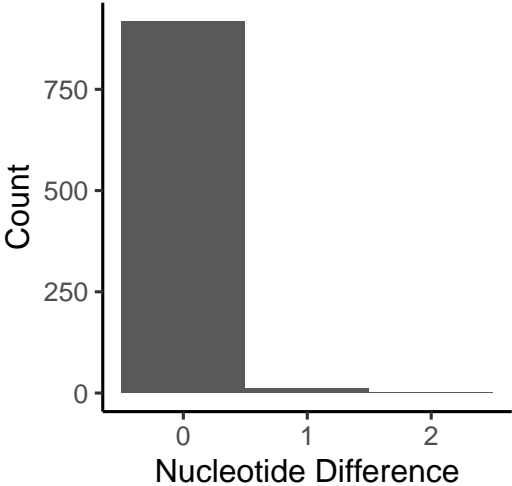
TRBV14*ap01

2227 sequences assigned
2210 (99.2%) exact matches, in which:
2158 unique CDR3
13 unique J



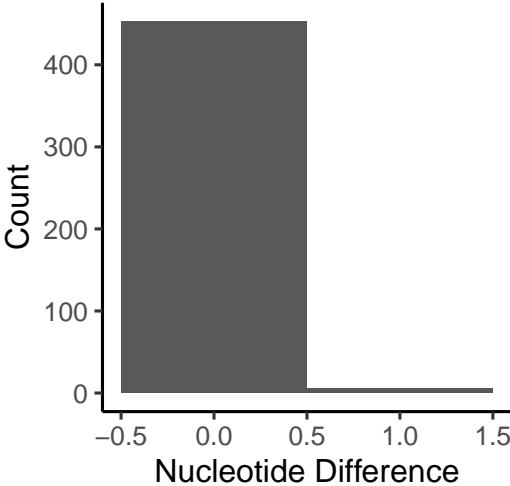
TRBV20-1*ap02

931 sequences assigned
918 (98.6%) exact matches, in which:
900 unique CDR3
13 unique J



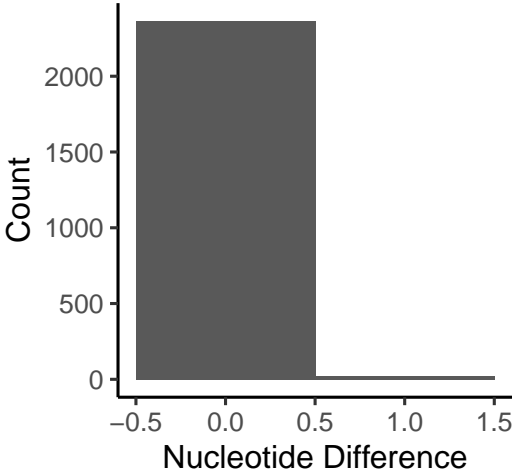
TRBV1*ap01

458 sequences assigned
453 (98.9%) exact matches, in which:
452 unique CDR3
13 unique J



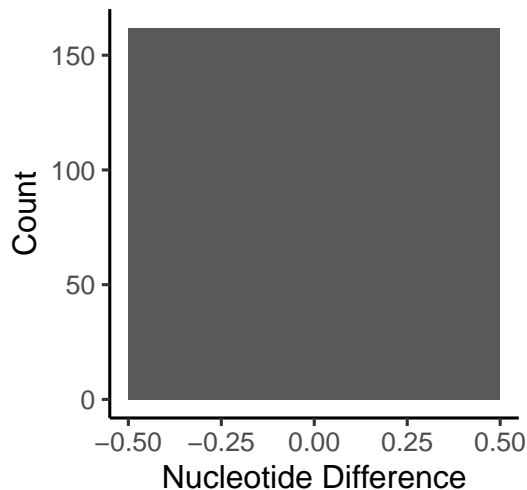
TRBV15*ap02

2384 sequences assigned
2364 (99.2%) exact matches, in which:
2310 unique CDR3
13 unique J



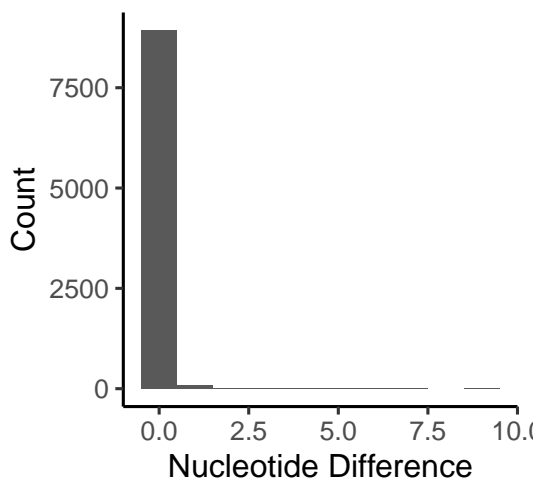
TRBV16*ap01

162 sequences assigned
162 (100%) exact matches, in which:
162 unique CDR3
12 unique J



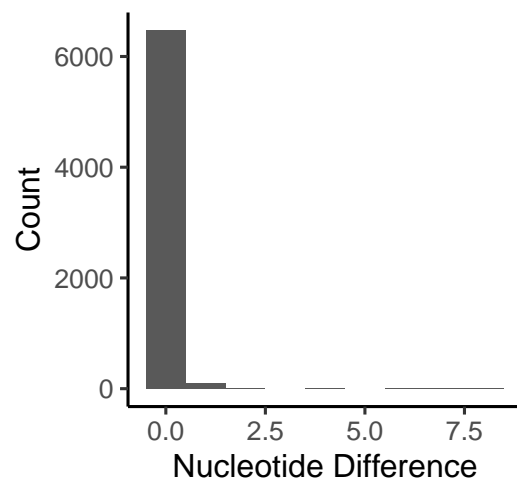
TRBV19*ap01

9034 sequences assigned
8928 (98.8%) exact matches, in which:
8809 unique CDR3
13 unique J



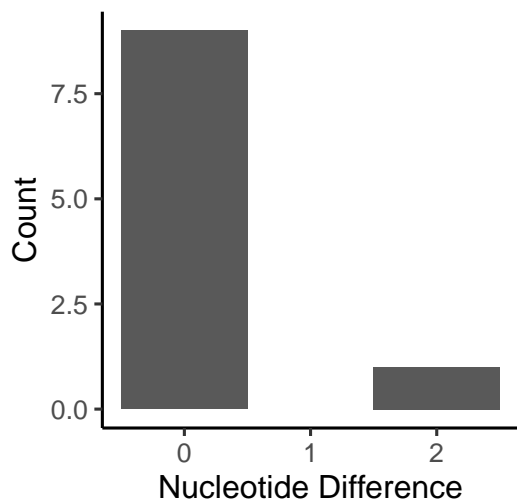
TRBV27*ap01

6570 sequences assigned
6471 (98.5%) exact matches, in which:
6338 unique CDR3
13 unique J



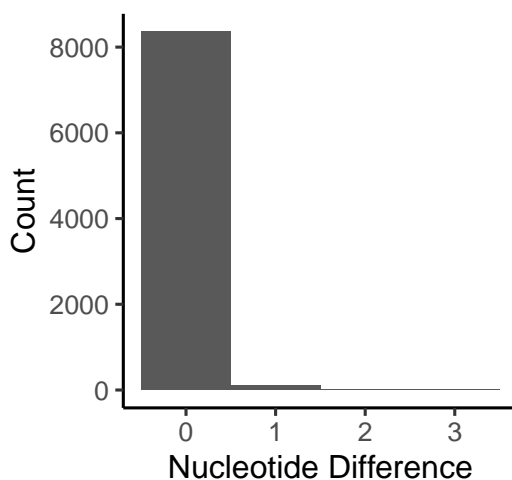
TRBV17*ap01

10 sequences assigned
9 (90%) exact matches, in which:
9 unique CDR3
6 unique J



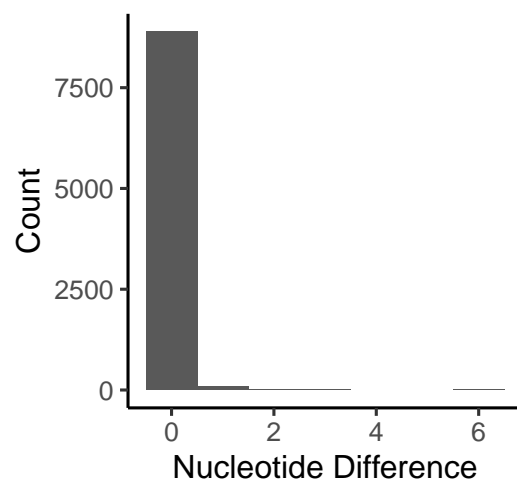
TRBV2*ap01

8483 sequences assigned
8359 (98.5%) exact matches, in which:
8225 unique CDR3
13 unique J



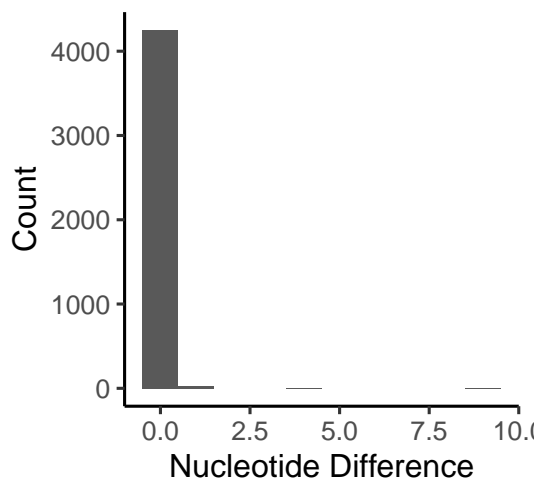
TRBV28*ap01

8978 sequences assigned
8888 (99%) exact matches, in which:
8737 unique CDR3
13 unique J



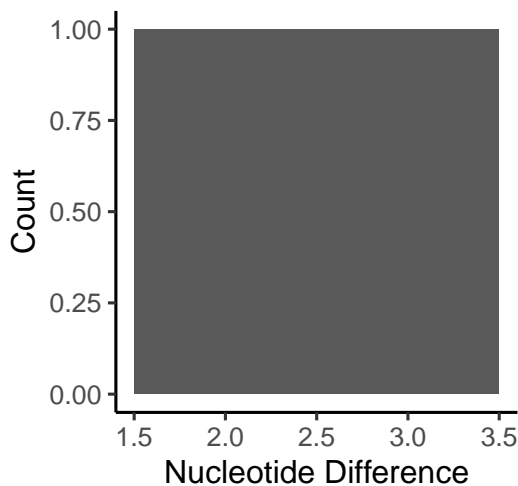
TRBV18*ap01

4283 sequences assigned
4251 (99.3%) exact matches, in which:
4208 unique CDR3
13 unique J



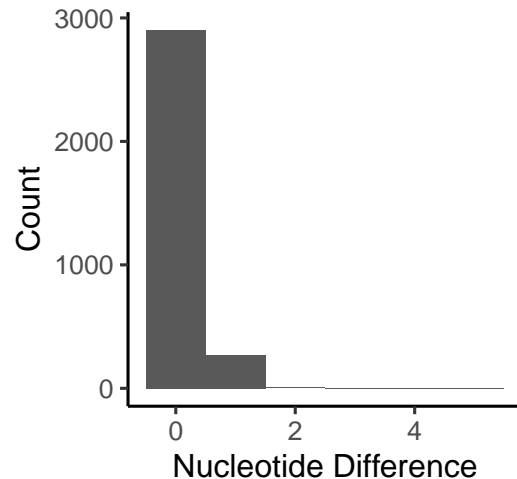
TRBV26*ap01

2 sequences assigned
No exact matches.



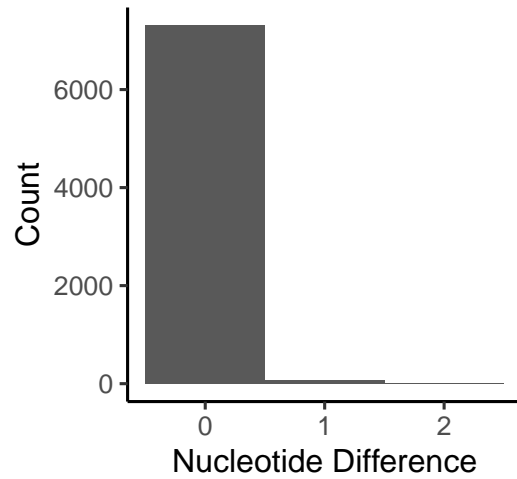
TRBV30*ap01

3186 sequences assigned
2902 (91.1%) exact matches, in which:
2855 unique CDR3
13 unique J



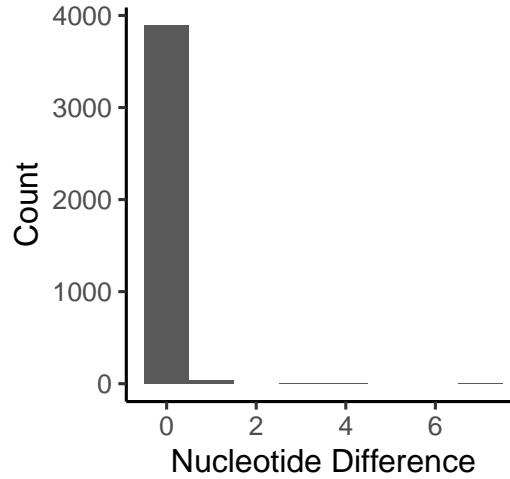
TRBV9*ap01

7391 sequences assigned
7309 (98.9%) exact matches, in which:
7169 unique CDR3
13 unique J



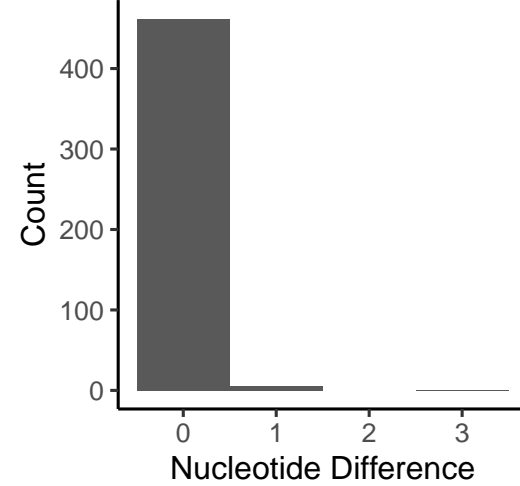
TRBV11-2*ap01

3928 sequences assigned
3892 (99.1%) exact matches, in which:
3810 unique CDR3
13 unique J



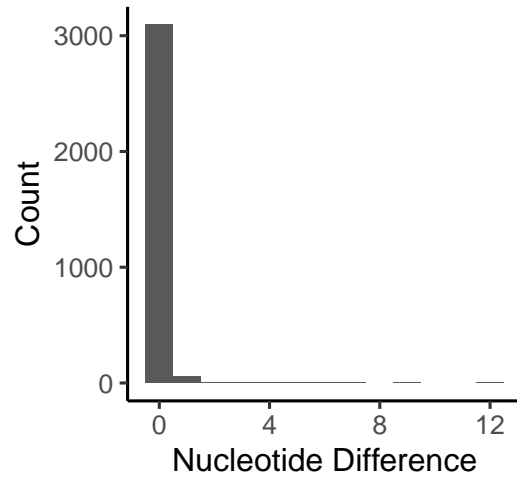
TRBV12-2*ap01

468 sequences assigned
462 (98.7%) exact matches, in which:
455 unique CDR3
13 unique J



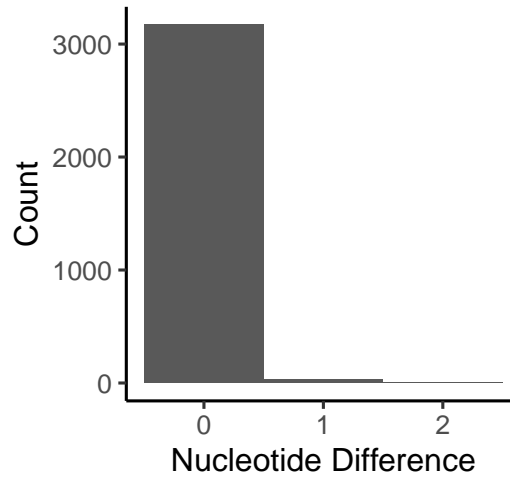
TRBV21-1*ap01

3172 sequences assigned
3095 (97.6%) exact matches, in which:
3043 unique CDR3
14 unique J



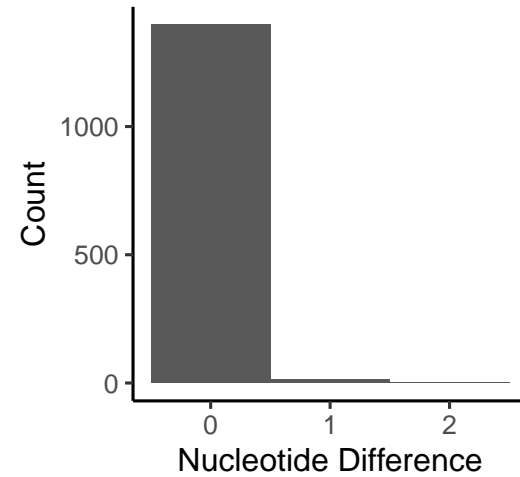
TRBV11-3*ap01

3209 sequences assigned
3171 (98.8%) exact matches, in which:
3106 unique CDR3
13 unique J



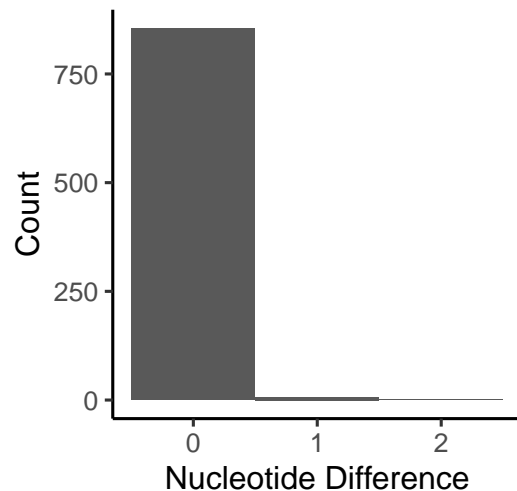
TRBV12-5*ap01

1412 sequences assigned
1397 (98.9%) exact matches, in which:
1362 unique CDR3
13 unique J



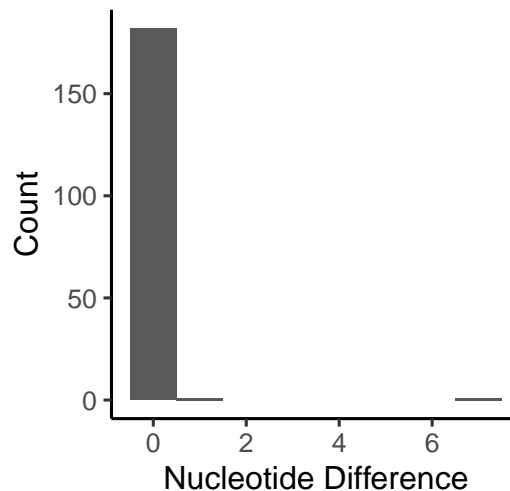
TRBV11-1*ap01

863 sequences assigned
855 (99.1%) exact matches, in which:
840 unique CDR3
13 unique J



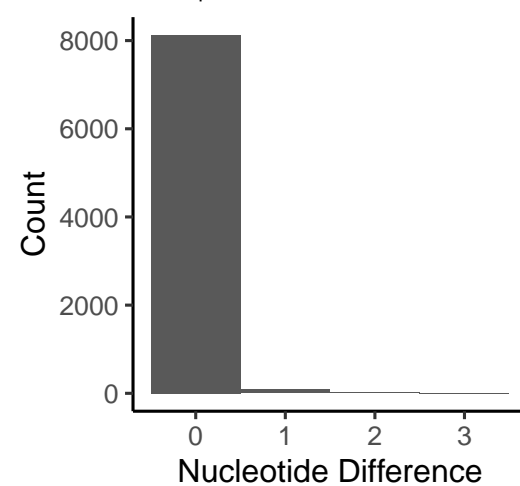
TRBV12-1*ap01

184 sequences assigned
182 (98.9%) exact matches, in which:
181 unique CDR3
13 unique J



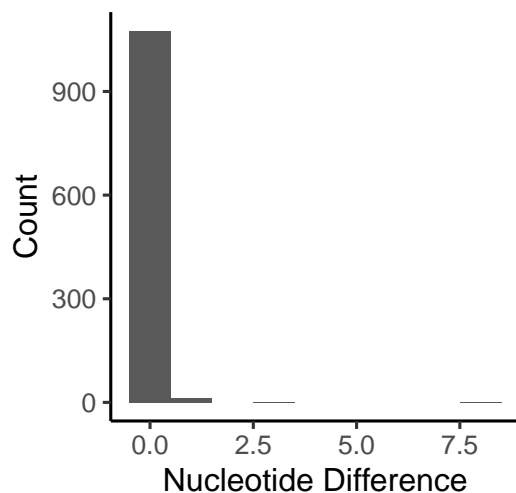
TRBV12-34*ap01

8237 sequences assigned
8126 (98.7%) exact matches, in which:
7973 unique CDR3
13 unique J



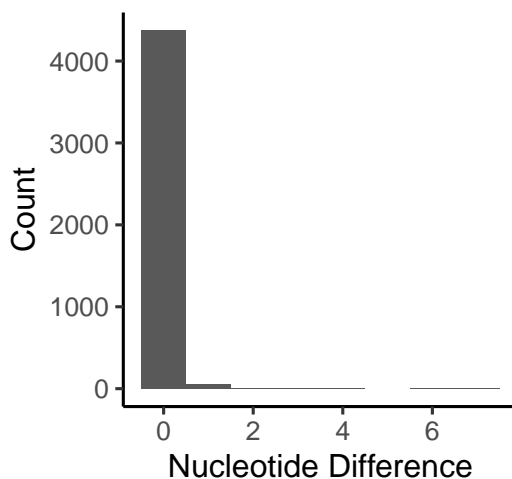
TRBV23–1*ap01

1090 sequences assigned
1076 (98.7%) exact matches, in which:
1061 unique CDR3
13 unique J



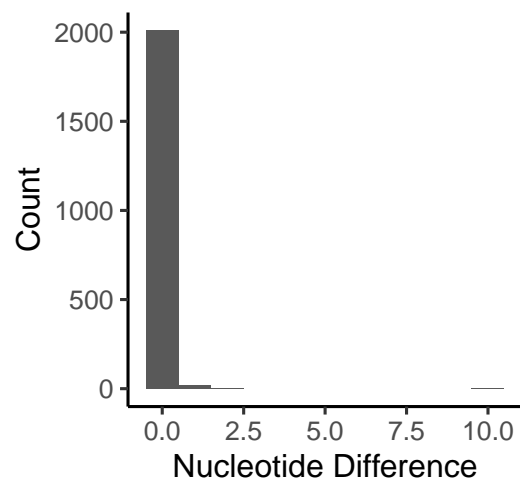
TRBV24–1*ap01

4436 sequences assigned
4374 (98.6%) exact matches, in which:
4303 unique CDR3
13 unique J



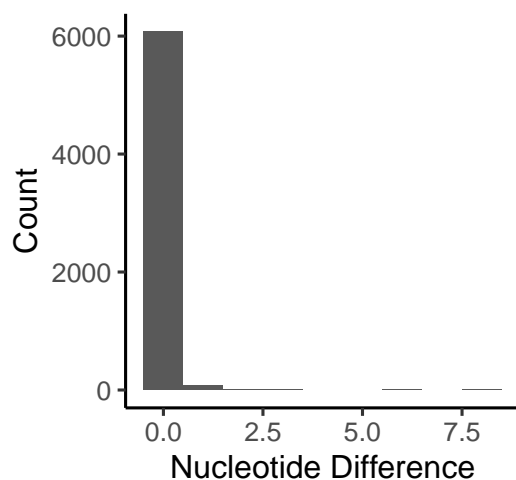
TRBV25–1*ap01

2032 sequences assigned
2010 (98.9%) exact matches, in which:
1974 unique CDR3
13 unique J



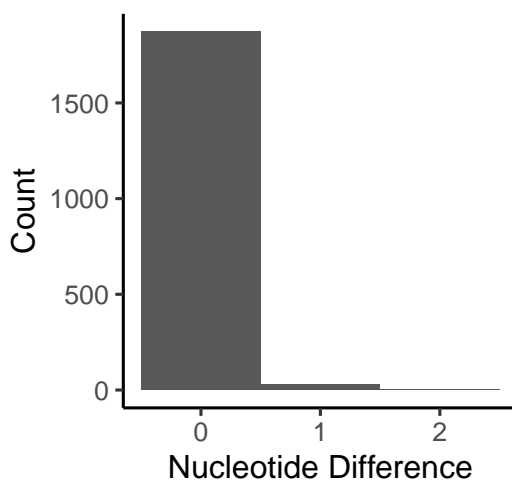
TRBV3–12*ap01

6156 sequences assigned
6074 (98.7%) exact matches, in which:
5953 unique CDR3
13 unique J



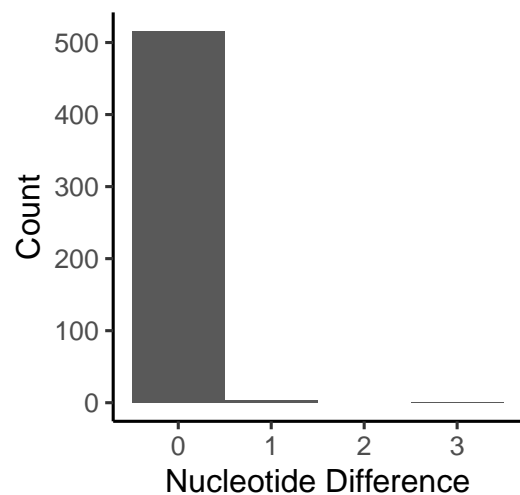
TRBV4–2*ap01

1905 sequences assigned
1872 (98.3%) exact matches, in which:
1848 unique CDR3
13 unique J



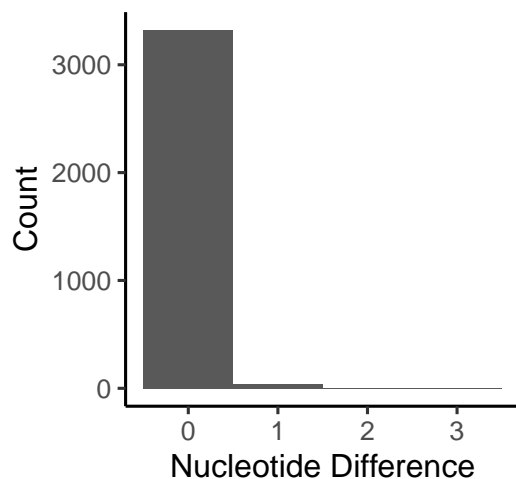
TRBV5–3*ap01

521 sequences assigned
516 (99%) exact matches, in which:
504 unique CDR3
13 unique J



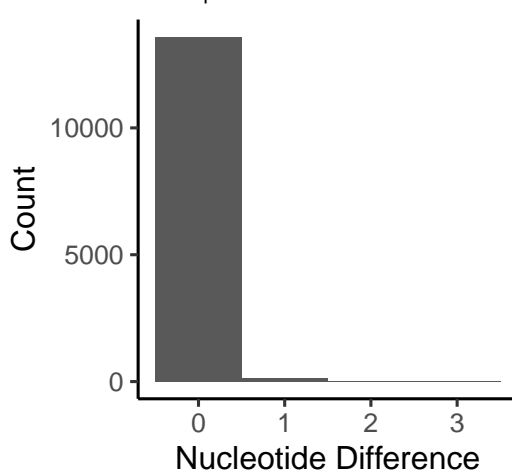
TRBV4–1*ap01

3366 sequences assigned
3322 (98.7%) exact matches, in which:
3265 unique CDR3
13 unique J



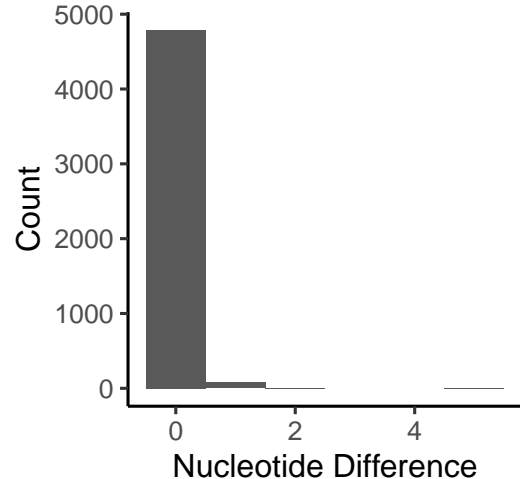
TRBV5–1*ap01

13746 sequences assigned
13591 (98.9%) exact matches, in which:
13228 unique CDR3
13 unique J



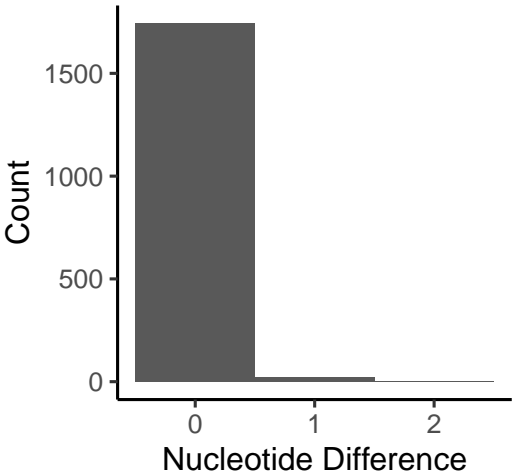
TRBV5–4*ap01

4872 sequences assigned
4788 (98.3%) exact matches, in which:
4708 unique CDR3
13 unique J



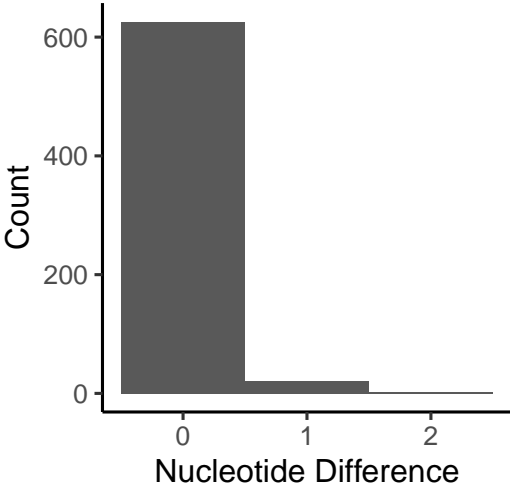
TRBV5-5*ap01

1766 sequences assigned
1743 (98.7%) exact matches, in which:
1715 unique CDR3
13 unique J



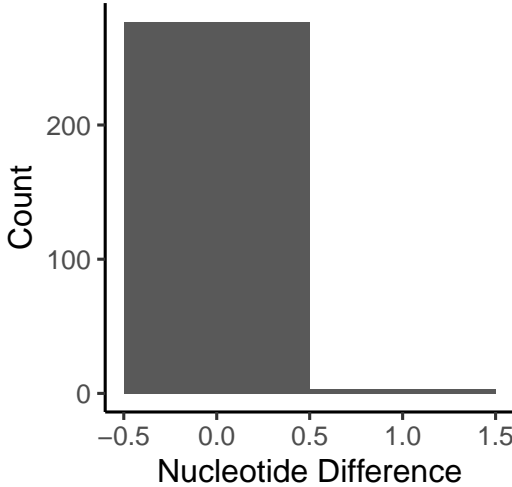
TRBV5-8*ap01

649 sequences assigned
626 (96.5%) exact matches, in which:
613 unique CDR3
13 unique J



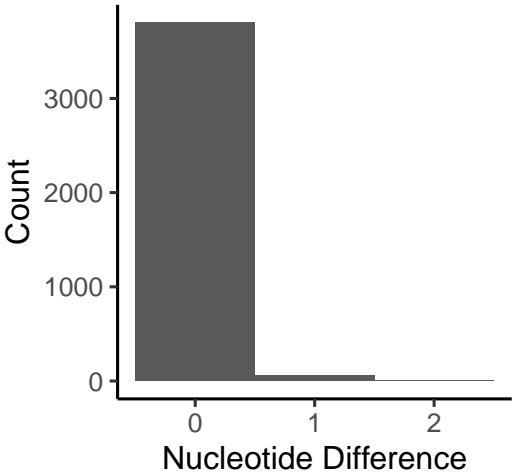
TRBV6-7*ap01

280 sequences assigned
277 (98.9%) exact matches, in which:
274 unique CDR3
13 unique J



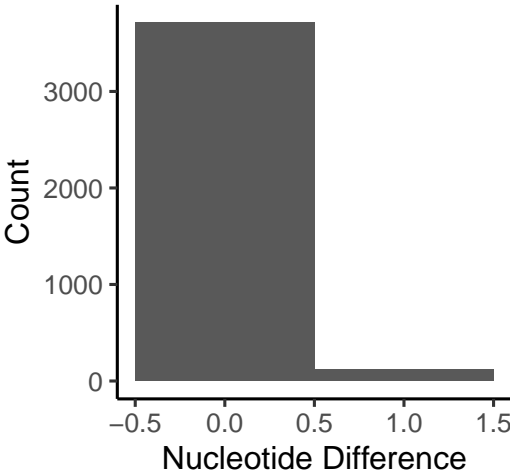
TRBV5-6*ap01

3859 sequences assigned
3804 (98.6%) exact matches, in which:
3690 unique CDR3
13 unique J



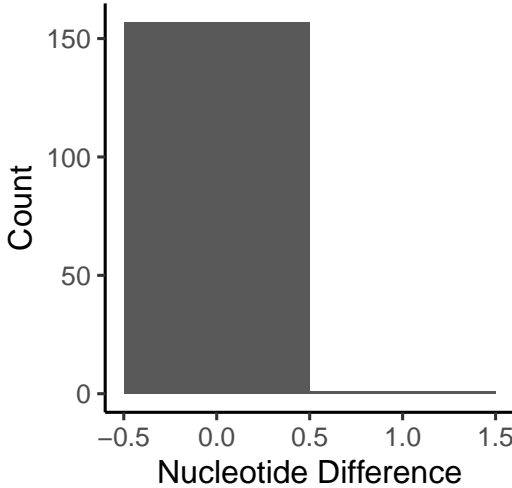
TRBV6-1*ap01

3829 sequences assigned
3712 (96.9%) exact matches, in which:
3631 unique CDR3
13 unique J



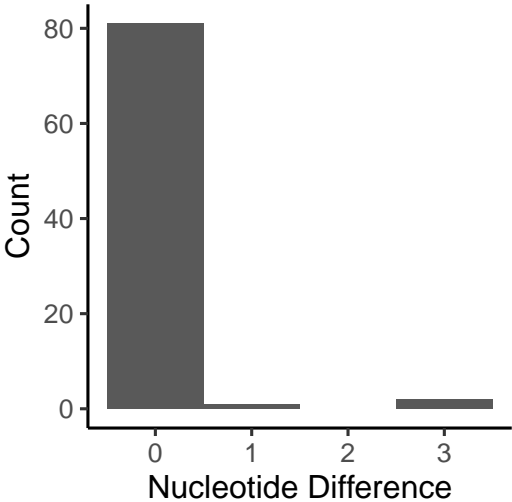
TRBV6-8*ap01

158 sequences assigned
157 (99.4%) exact matches, in which:
150 unique CDR3
13 unique J



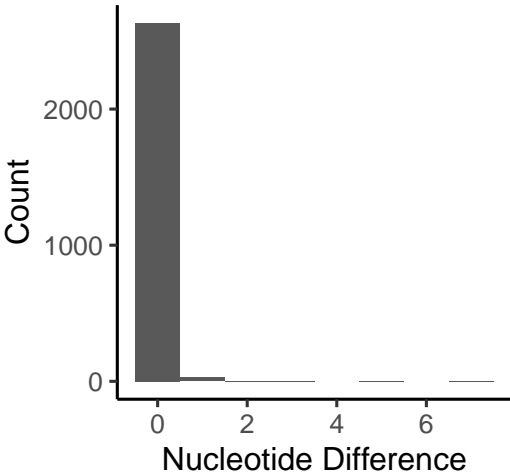
TRBV5-7*ap01

84 sequences assigned
81 (96.4%) exact matches, in which:
79 unique CDR3
13 unique J



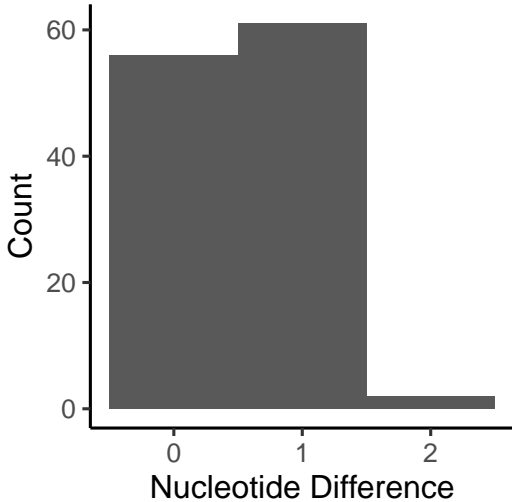
TRBV6-4*ap01

2668 sequences assigned
2632 (98.7%) exact matches, in which:
2596 unique CDR3
13 unique J



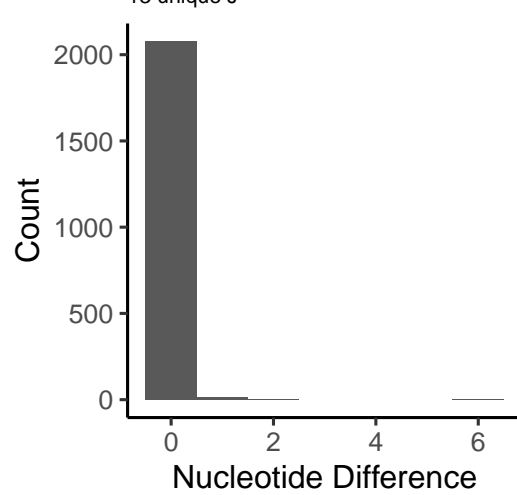
TRBV6-9*ap01

119 sequences assigned
56 (47.1%) exact matches, in which:
55 unique CDR3
11 unique J



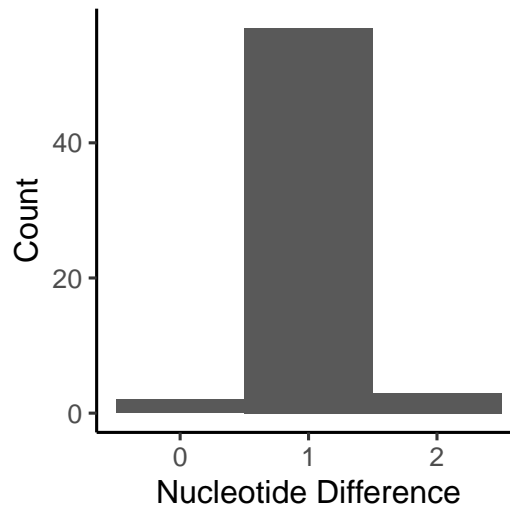
TRBV6-23*ap01

2098 sequences assigned
2077 (99%) exact matches, in which:
2040 unique CDR3
13 unique J



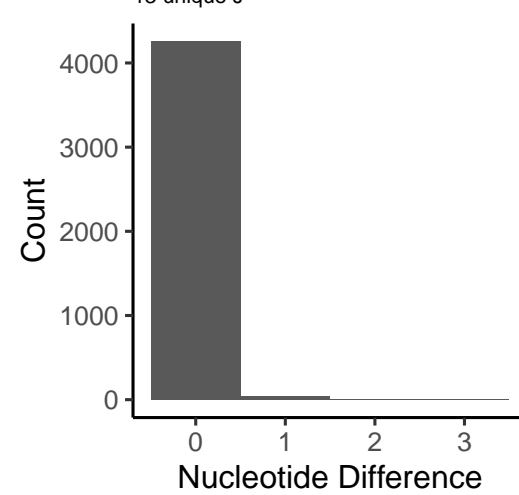
TRBV7-1*ap01_T296C

62 sequences assigned
2 (3.2%) exact matches, in which:
2 unique CDR3
2 unique J



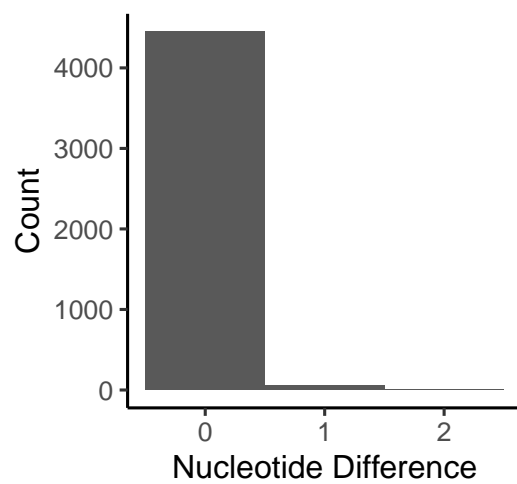
TRBV7-3*ap01

4301 sequences assigned
4256 (99%) exact matches, in which:
4184 unique CDR3
13 unique J



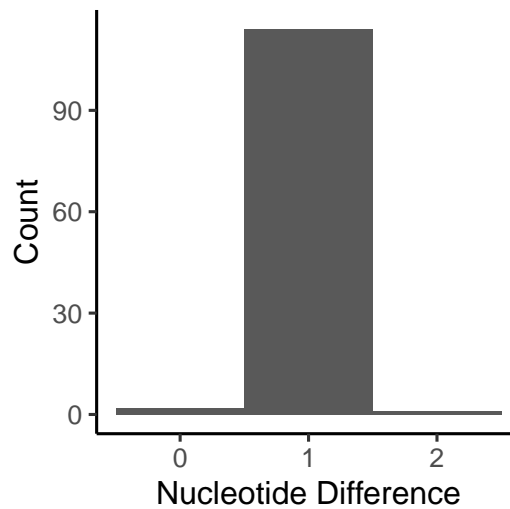
TRBV6-56*ap01

4512 sequences assigned
4449 (98.6%) exact matches, in which:
4349 unique CDR3
14 unique J



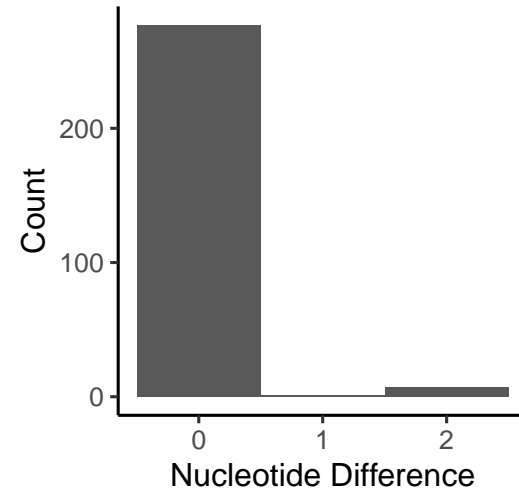
TRBV7-1*ap01_T296C_C

117 sequences assigned
2 (1.7%) exact matches, in which:
2 unique CDR3
2 unique J



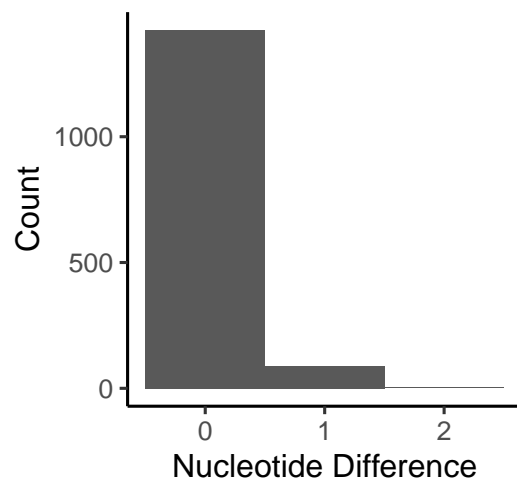
TRBV7-4*ap01

285 sequences assigned
277 (97.2%) exact matches, in which:
268 unique CDR3
13 unique J



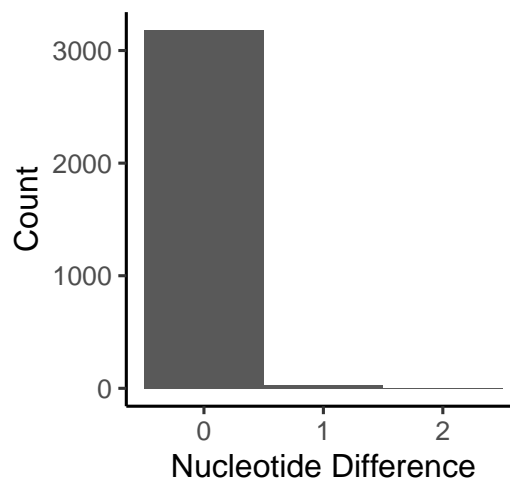
TRBV6-56*ap02

1516 sequences assigned
1424 (93.9%) exact matches, in which:
1398 unique CDR3
13 unique J



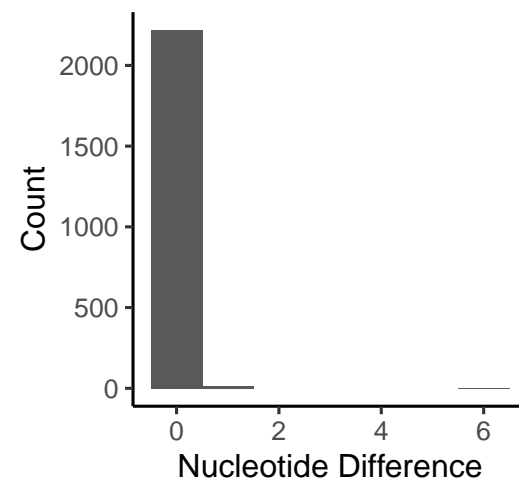
TRBV7-2*ap01

3212 sequences assigned
3182 (99.1%) exact matches, in which:
3139 unique CDR3
13 unique J



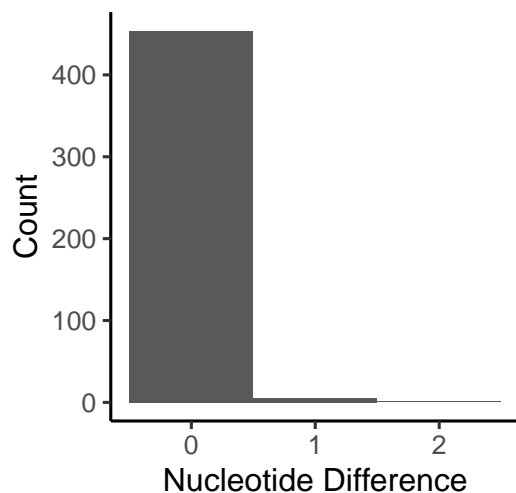
TRBV7-6*ap01

2234 sequences assigned
2219 (99.3%) exact matches, in which:
2181 unique CDR3
13 unique J



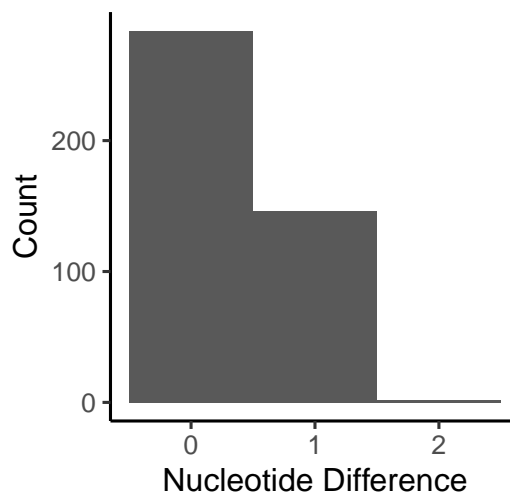
TRBV7-7*ap01

460 sequences assigned
454 (98.7%) exact matches, in which:
443 unique CDR3
13 unique J



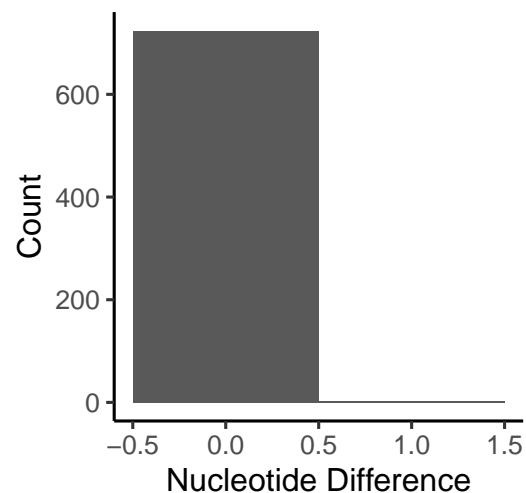
TRBV7-8*ap03

432 sequences assigned
284 (65.7%) exact matches, in which:
276 unique CDR3
13 unique J



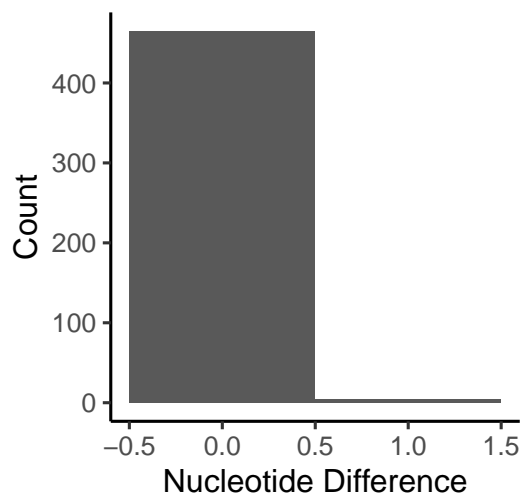
TRBV29-1*ap02

726 sequences assigned
724 (99.7%) exact matches, in which:
716 unique CDR3
13 unique J



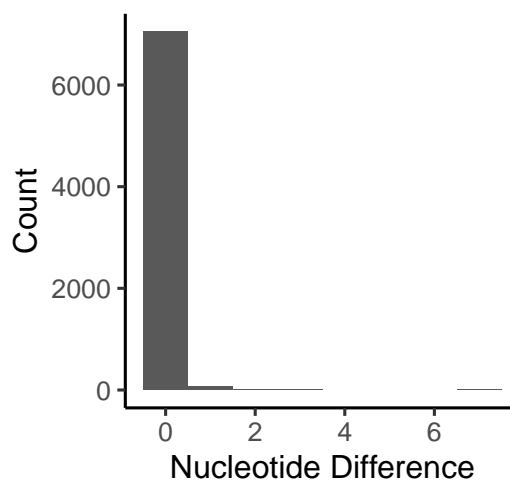
TRBV7-7*ap01_C315T

469 sequences assigned
465 (99.1%) exact matches, in which:
459 unique CDR3
13 unique J



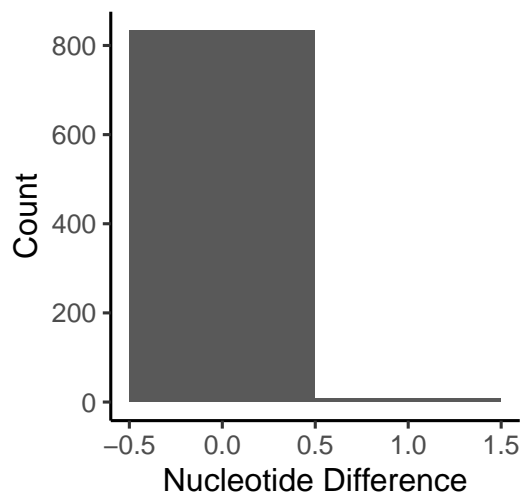
TRBV7-9*ap01

7127 sequences assigned
7048 (98.9%) exact matches, in which:
6932 unique CDR3
13 unique J



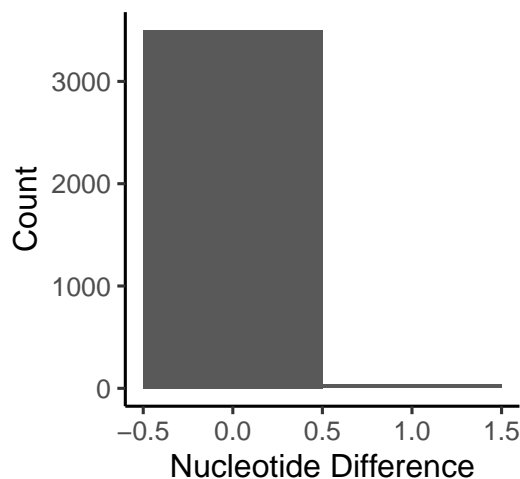
TRBV7-8*ap01

843 sequences assigned
834 (98.9%) exact matches, in which:
819 unique CDR3
13 unique J

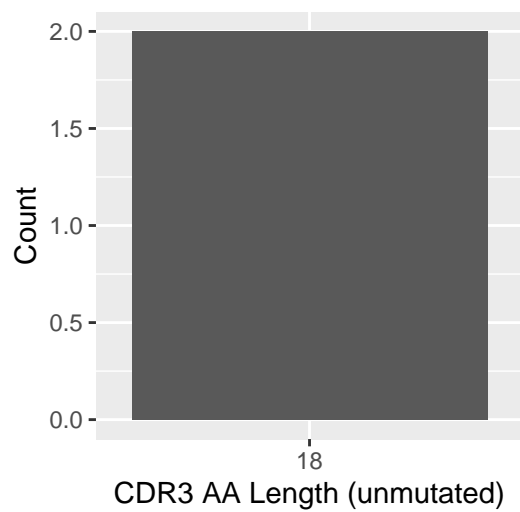


TRBV29-1*ap01

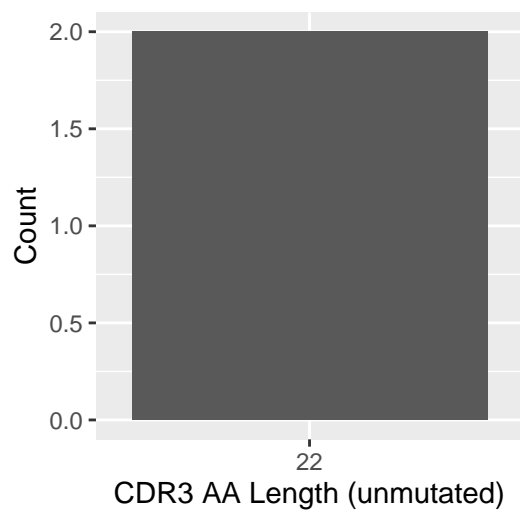
3538 sequences assigned
3502 (99%) exact matches, in which:
3452 unique CDR3
13 unique J



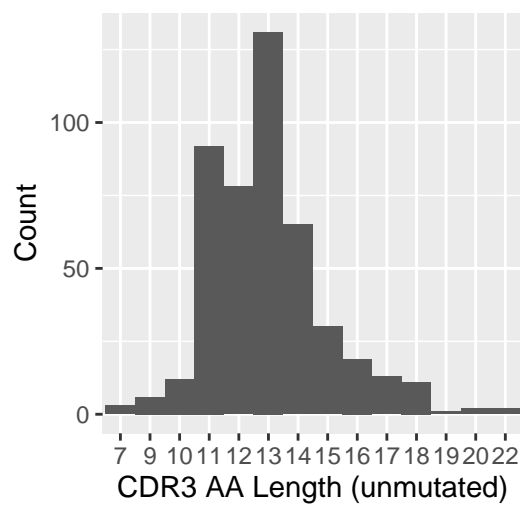
TRBV7-1*ap01_T296C_C314T



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]