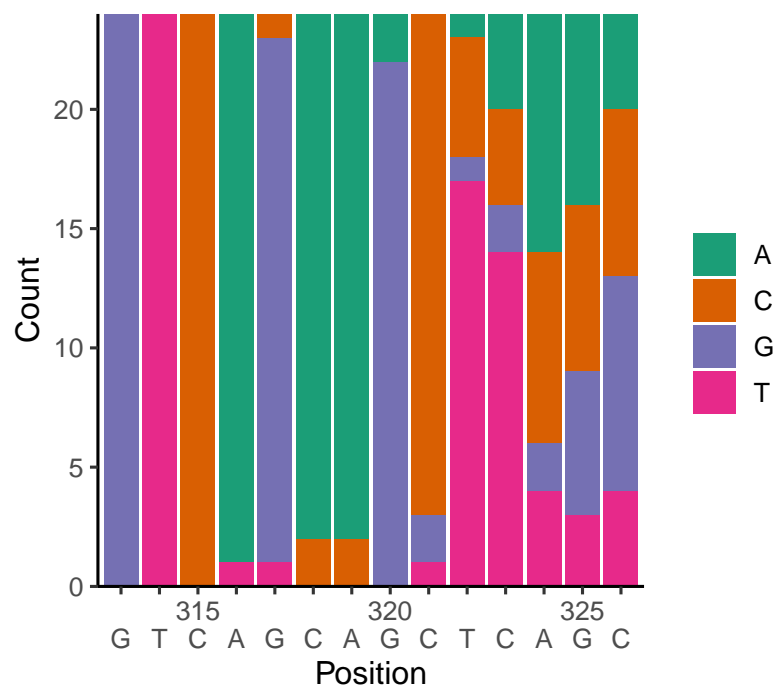
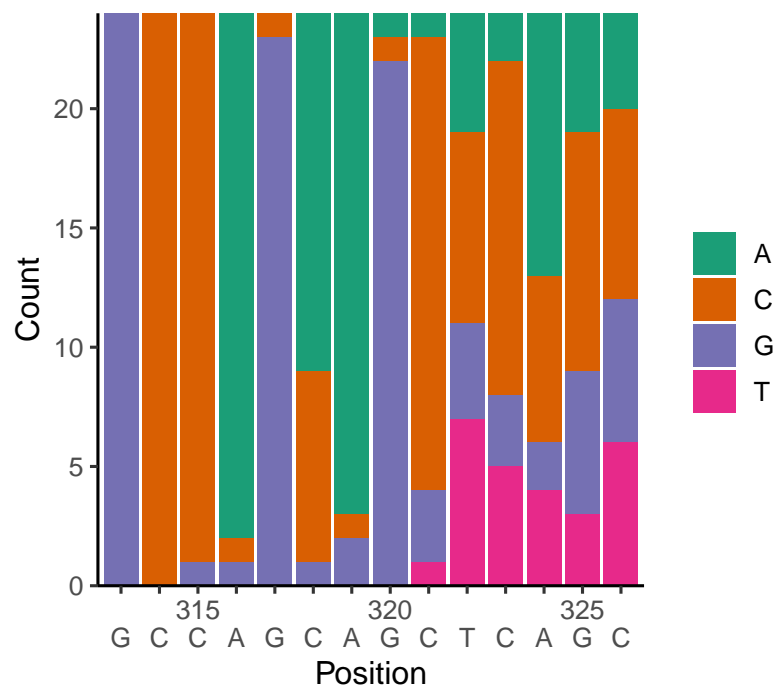


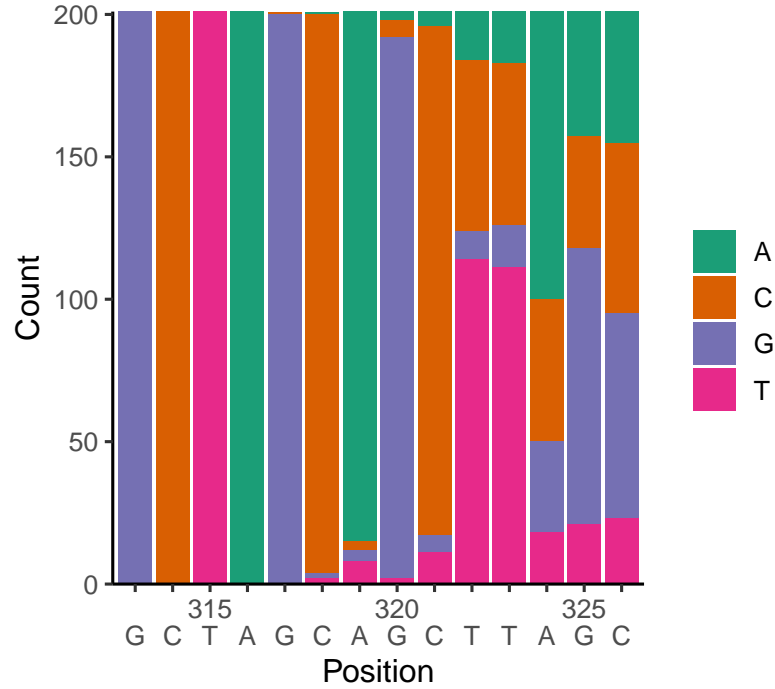
Gene TRBV7-1*ap01_T296C_C314T



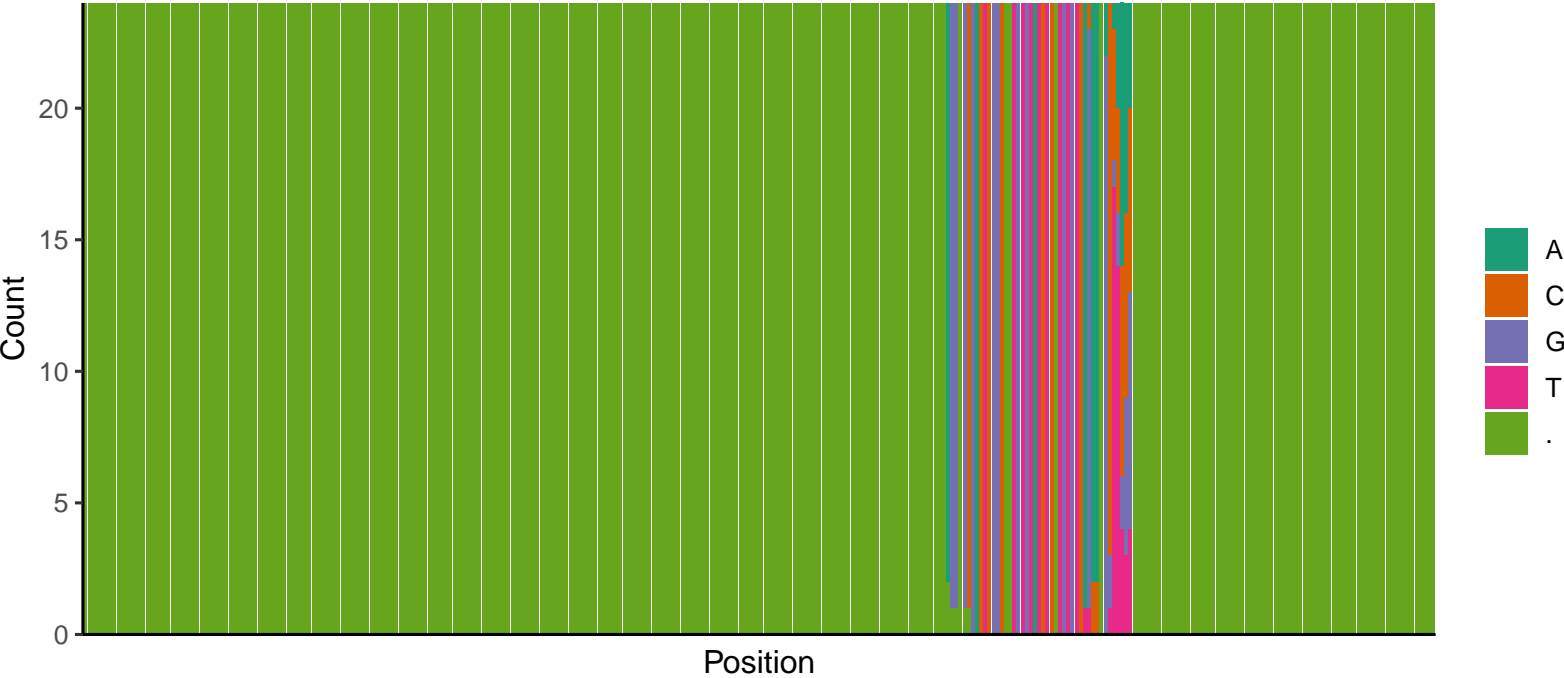
Gene TRBV7-1*ap01_T296C



Gene TRBV7-7*ap01_C315T



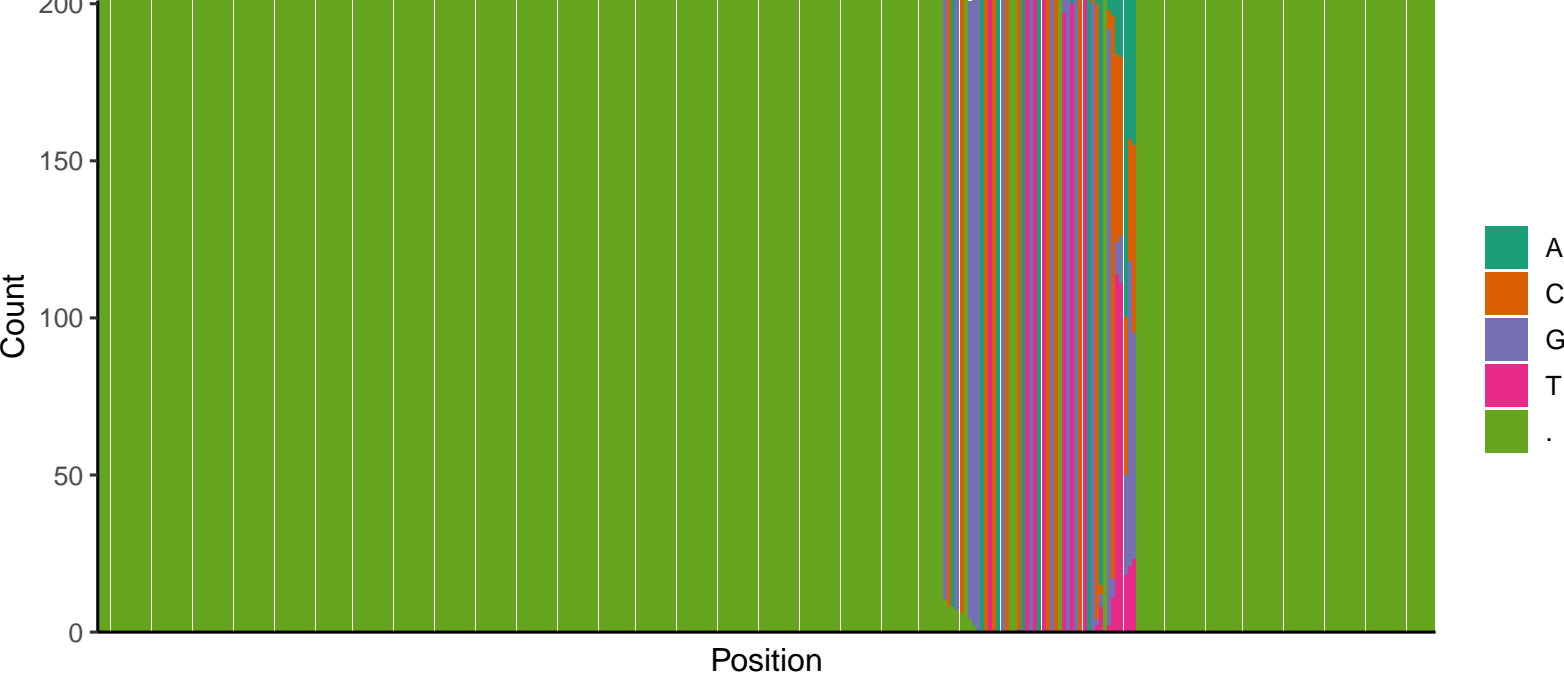
Gene TRBV7-1*ap01_T296C_C314T



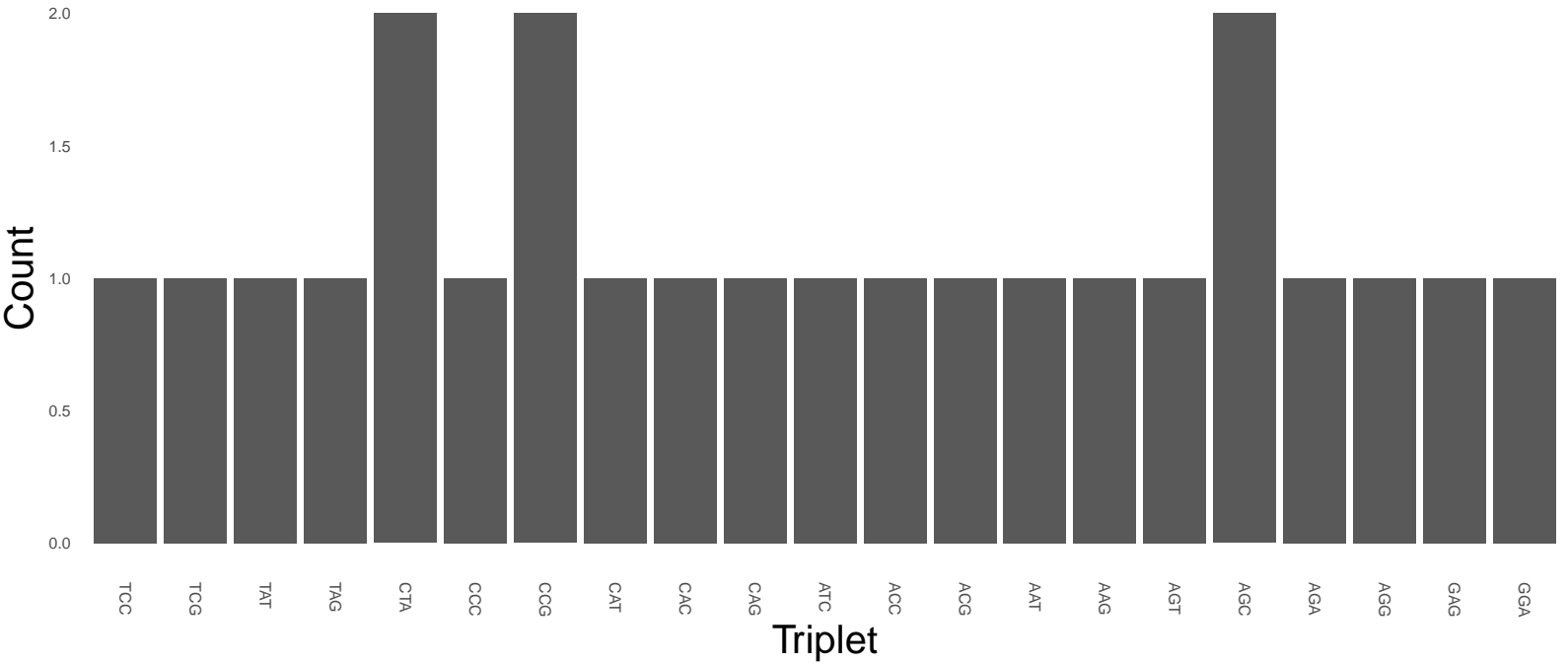
Gene TRBV7-1*ap01_T296C



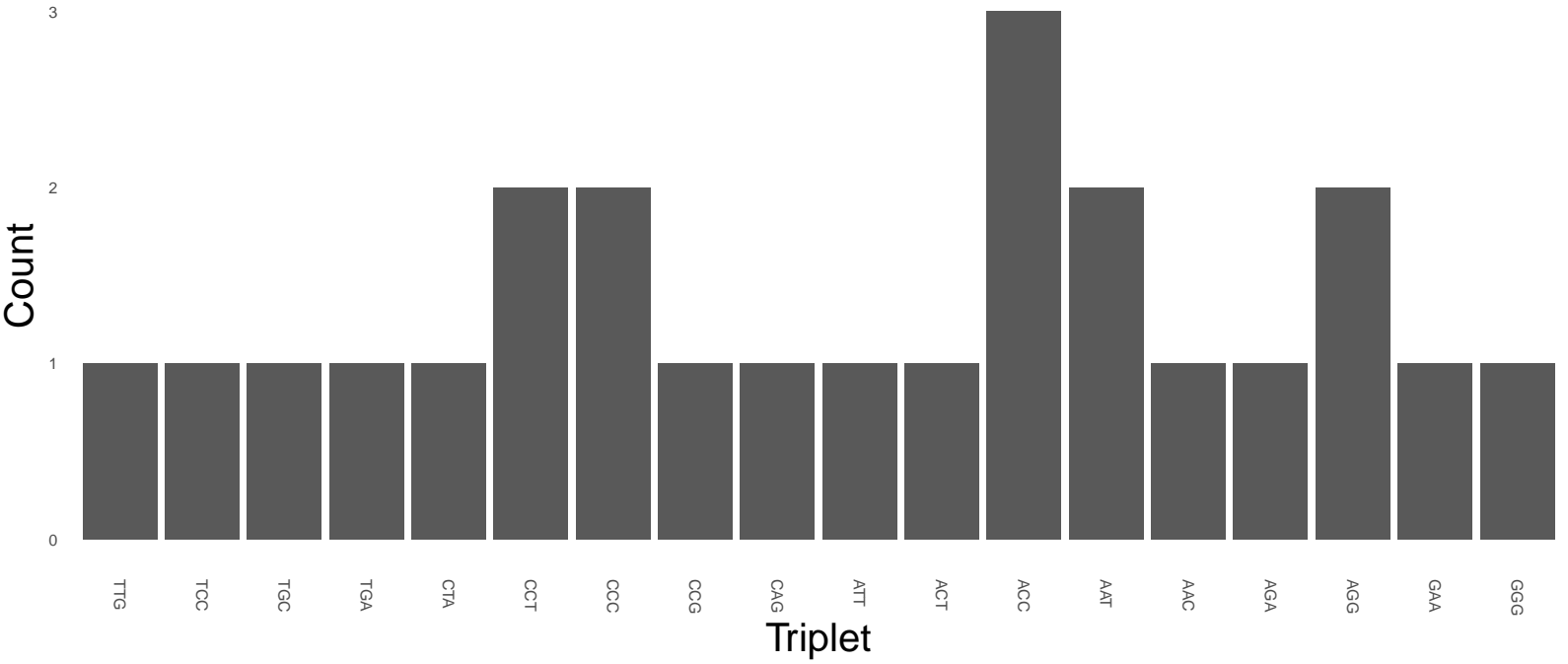
Gene TRBV7-7*ap01_C315T



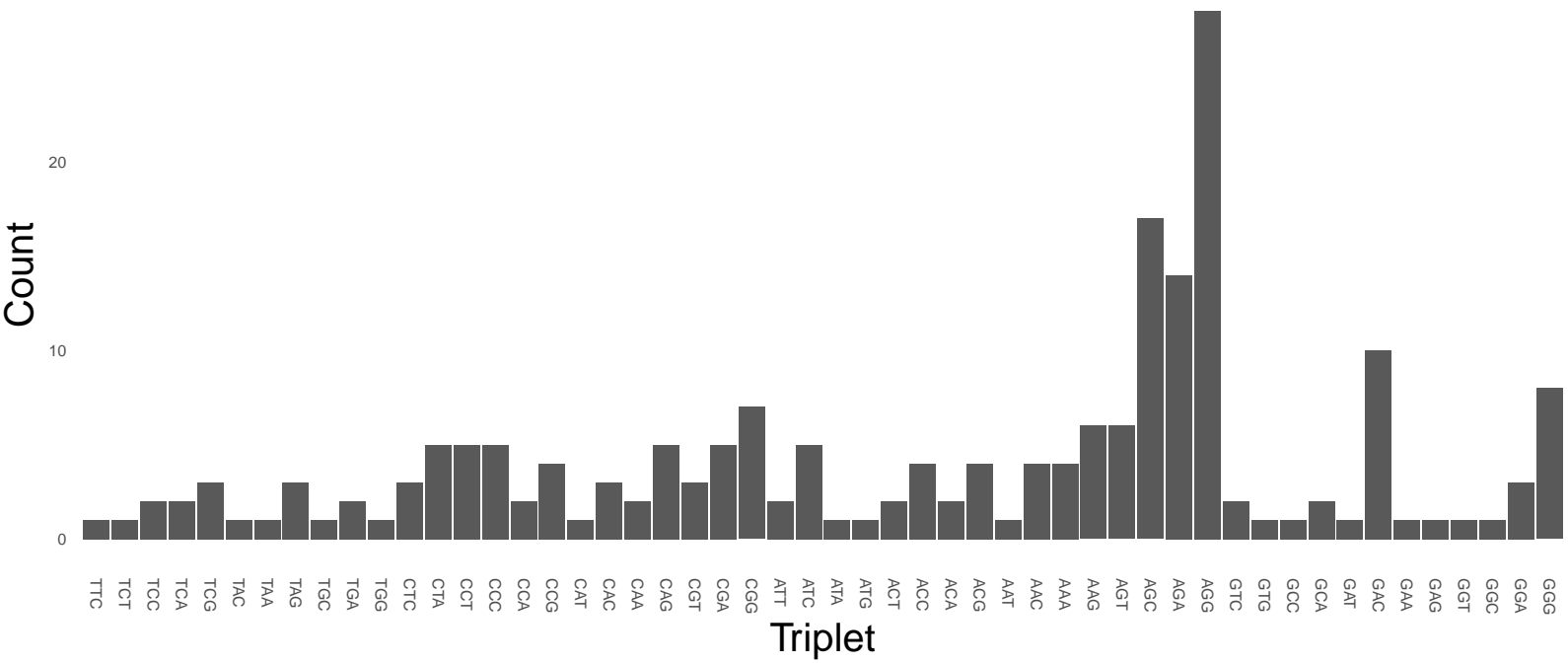
TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet



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

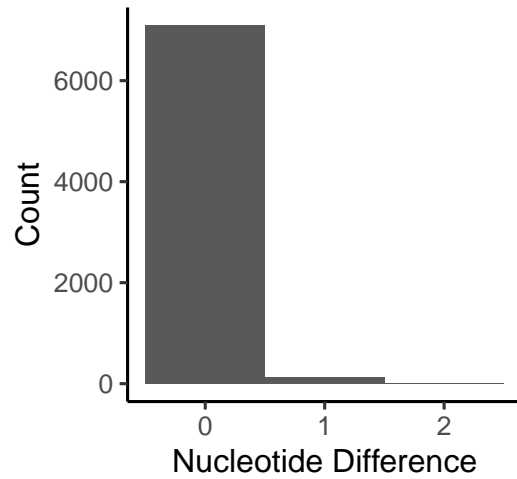


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



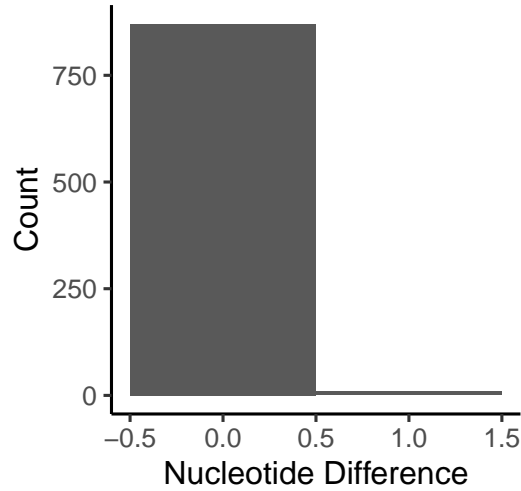
TRBV20-1*ap01

7221 sequences assigned
7094 (98.2%) exact matches, in which:
6901 unique CDR3
13 unique J



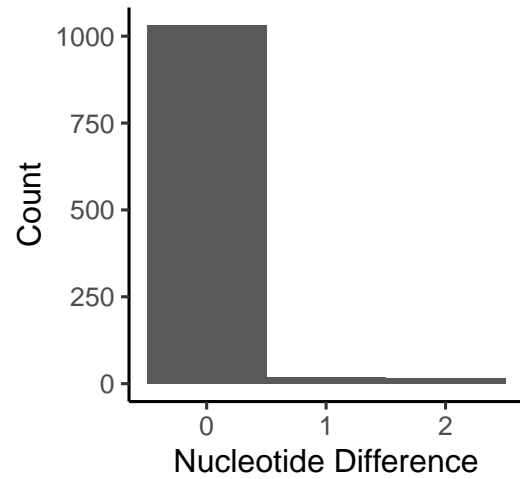
TRBV10-2*ap01

880 sequences assigned
871 (99%) exact matches, in which:
867 unique CDR3
13 unique J



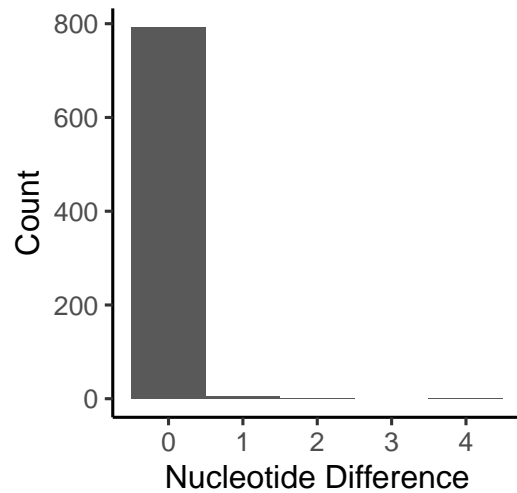
TRBV13*ap01

1067 sequences assigned
1031 (96.6%) exact matches, in which:
1019 unique CDR3
13 unique J



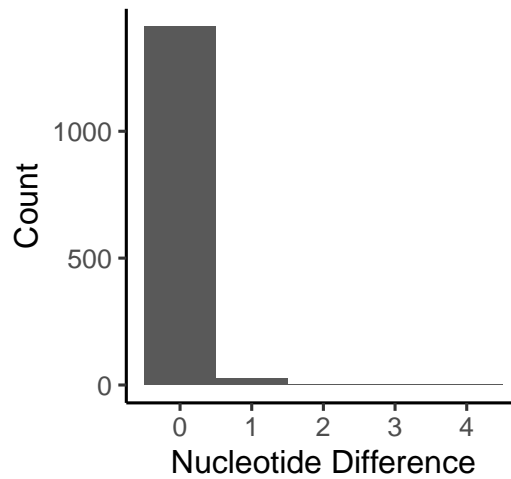
TRBV10-1*ap01

802 sequences assigned
793 (98.9%) exact matches, in which:
785 unique CDR3
13 unique J



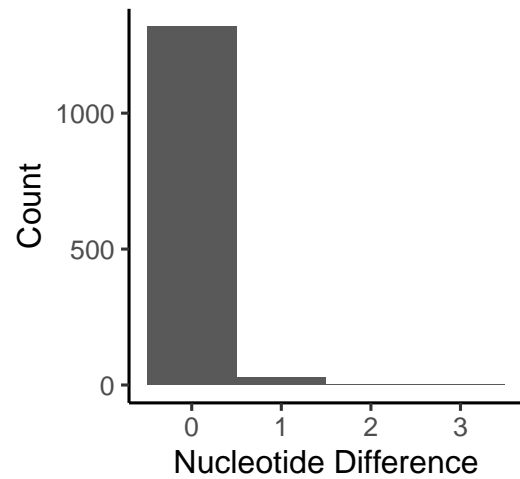
TRBV10-3*ap01

1440 sequences assigned
1412 (98.1%) exact matches, in which:
1396 unique CDR3
13 unique J



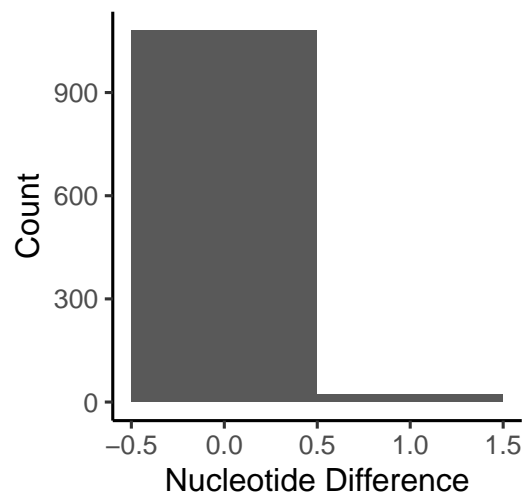
TRBV14*ap01

1347 sequences assigned
1318 (97.8%) exact matches, in which:
1297 unique CDR3
13 unique J



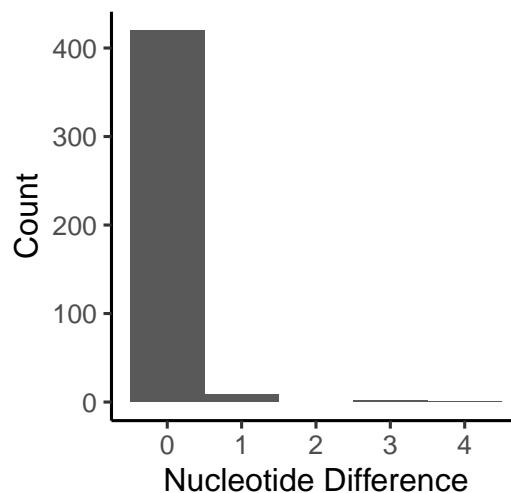
TRBV20-1*ap02

1102 sequences assigned
1081 (98.1%) exact matches, in which:
1042 unique CDR3
13 unique J



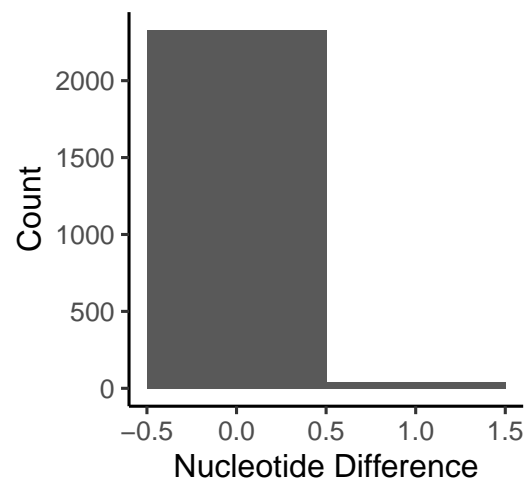
TRBV1*ap01

432 sequences assigned
420 (97.2%) exact matches, in which:
416 unique CDR3
13 unique J



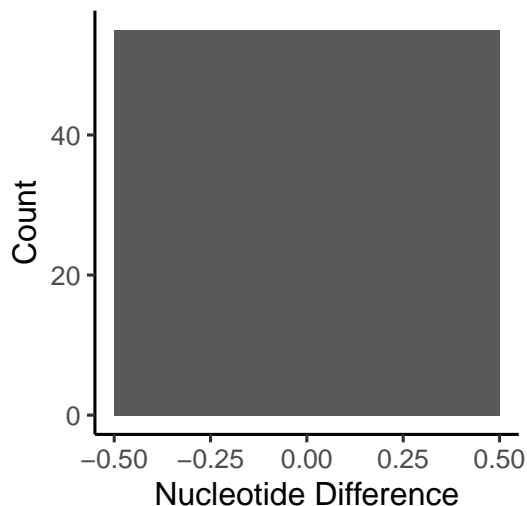
TRBV15*ap02

2369 sequences assigned
2329 (98.3%) exact matches, in which:
2303 unique CDR3
13 unique J



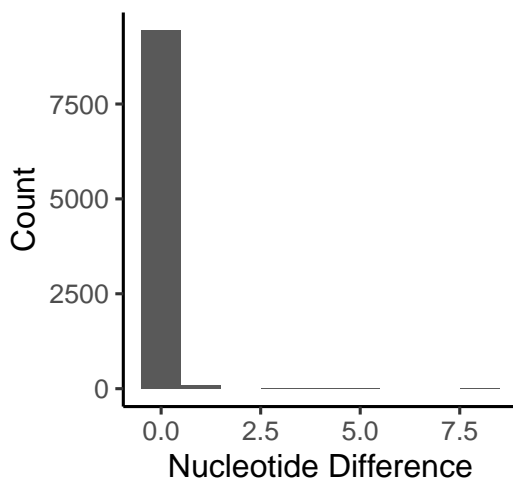
TRBV16*ap01

55 sequences assigned
55 (100%) exact matches, in which:
55 unique CDR3
12 unique J



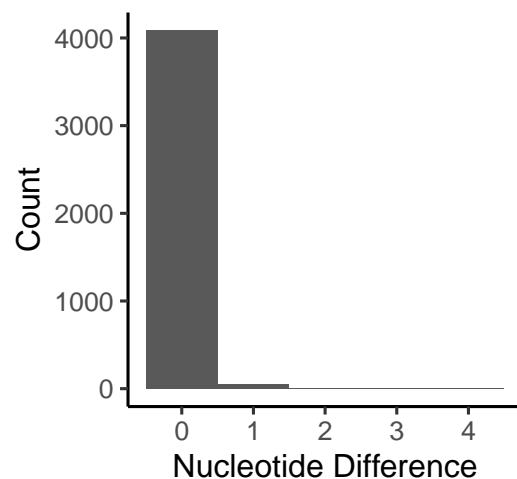
TRBV19*ap01

9543 sequences assigned
9439 (98.9%) exact matches, in which:
9325 unique CDR3
13 unique J



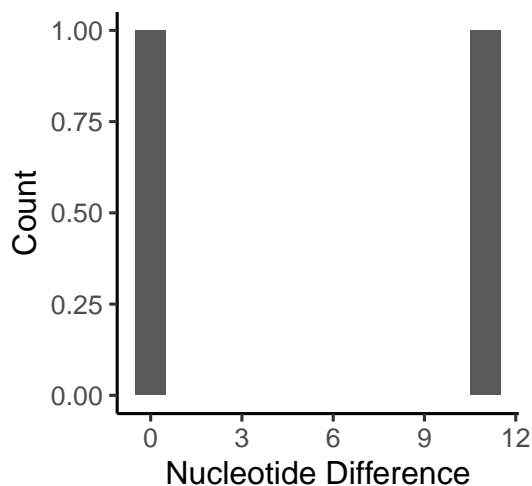
TRBV27*ap01

4145 sequences assigned
4086 (98.6%) exact matches, in which:
4042 unique CDR3
13 unique J



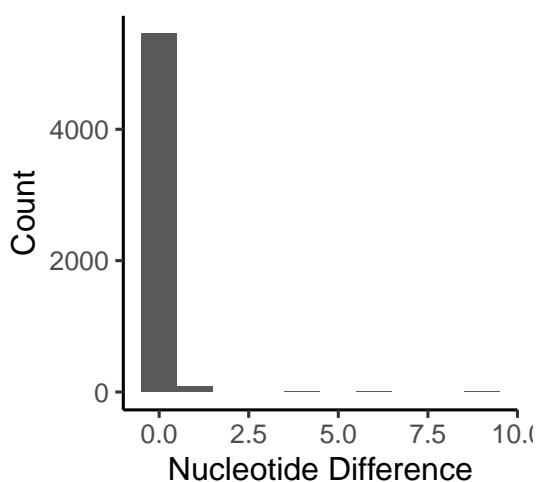
TRBV17*ap01

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



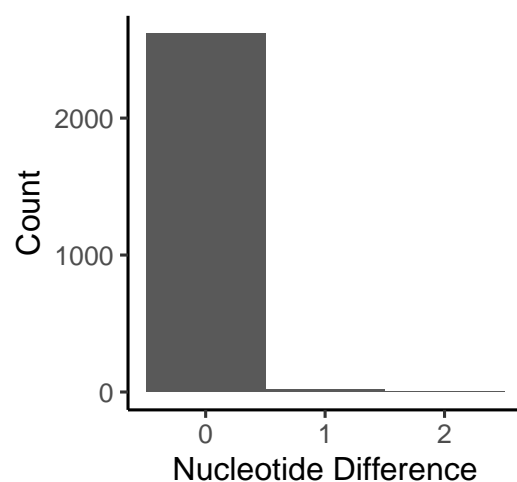
TRBV2*ap01

5543 sequences assigned
5455 (98.4%) exact matches, in which:
5402 unique CDR3
13 unique J



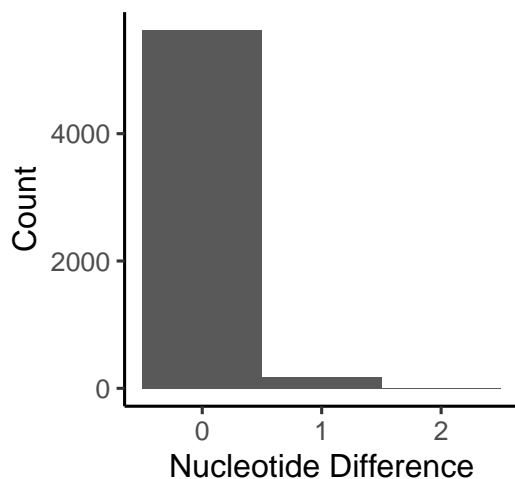
TRBV28*ap01

2639 sequences assigned
2616 (99.1%) exact matches, in which:
2583 unique CDR3
13 unique J



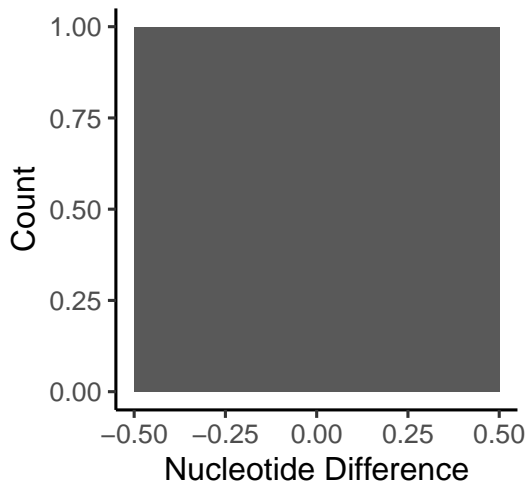
TRBV18*ap01

5805 sequences assigned
5628 (97%) exact matches, in which:
5490 unique CDR3
13 unique J



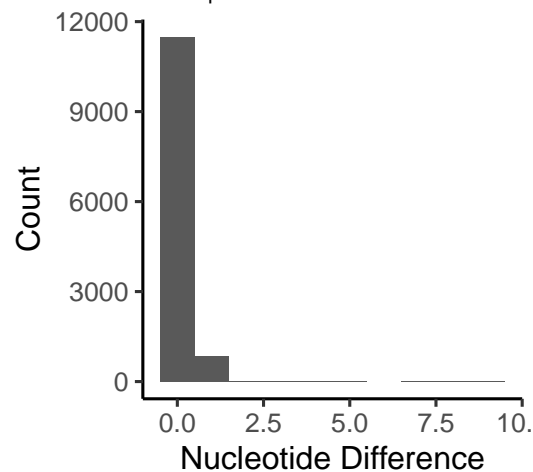
TRBV26*ap01

1 sequences assigned
1 (100%) exact matches, in which:
1 unique CDR3
1 unique J



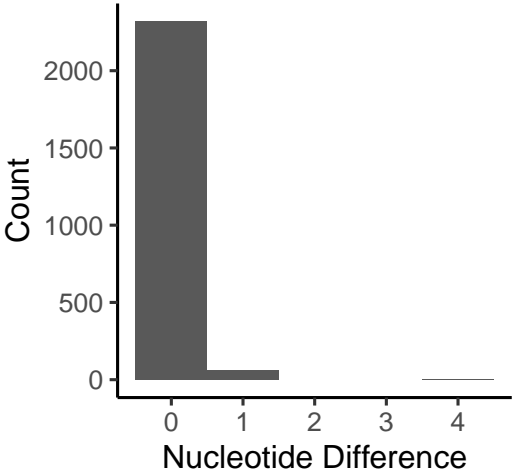
TRBV30*ap01

12389 sequences assigned
11494 (92.8%) exact matches, in which:
10789 unique CDR3
13 unique J



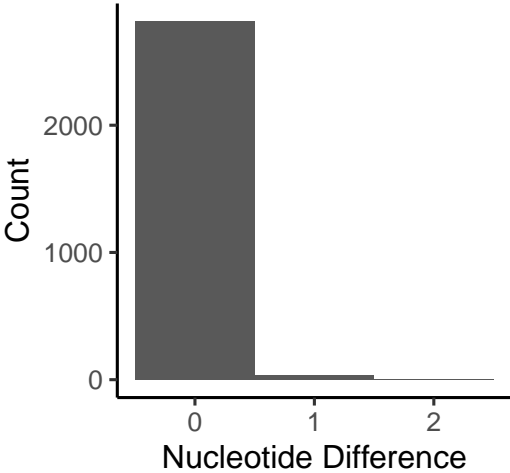
TRBV9*ap01

2382 sequences assigned
2319 (97.4%) exact matches, in which:
2284 unique CDR3
13 unique J



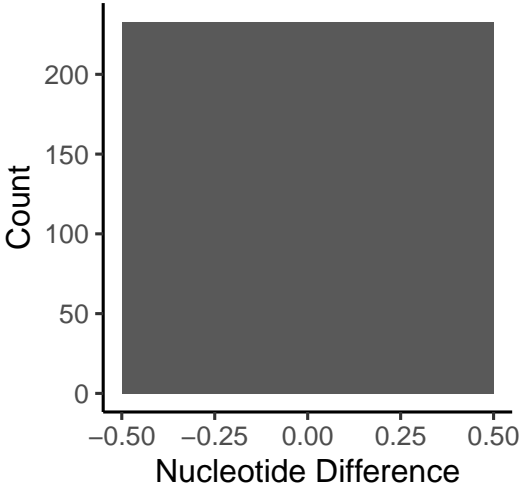
TRBV11-2*ap01

2849 sequences assigned
2816 (98.8%) exact matches, in which:
2791 unique CDR3
13 unique J



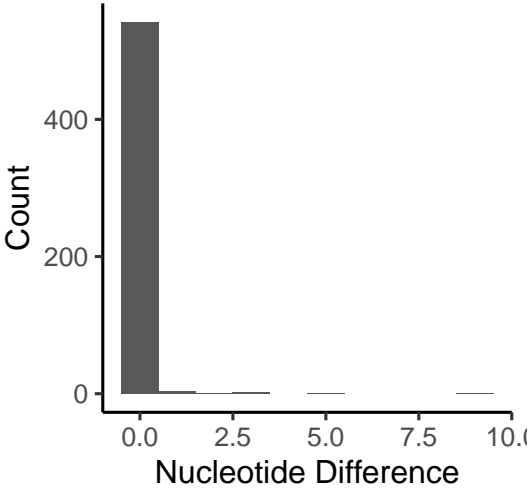
TRBV12-2*ap01

233 sequences assigned
233 (100%) exact matches, in which:
230 unique CDR3
13 unique J



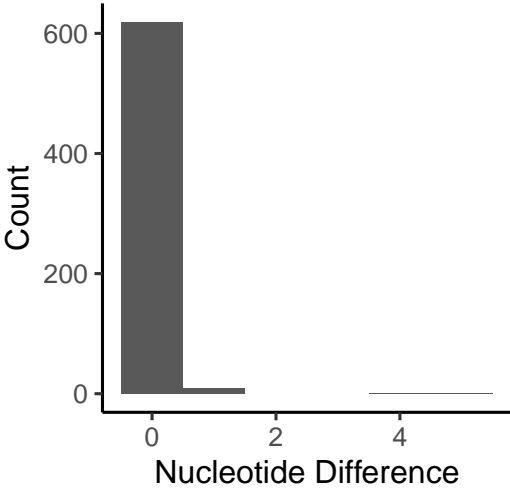
TRBV21-1*ap01

550 sequences assigned
542 (98.5%) exact matches, in which:
541 unique CDR3
13 unique J



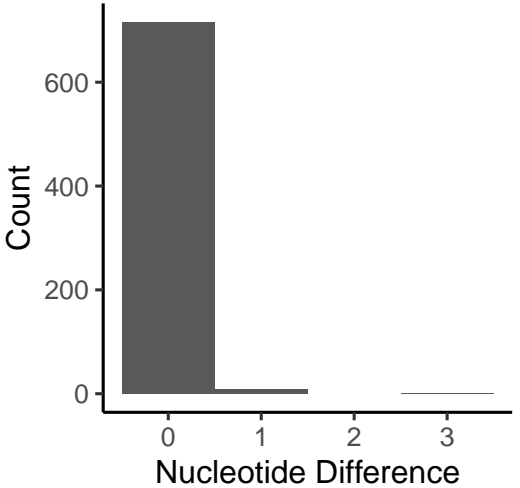
TRBV11-3*ap01

631 sequences assigned
619 (98.1%) exact matches, in which:
611 unique CDR3
13 unique J



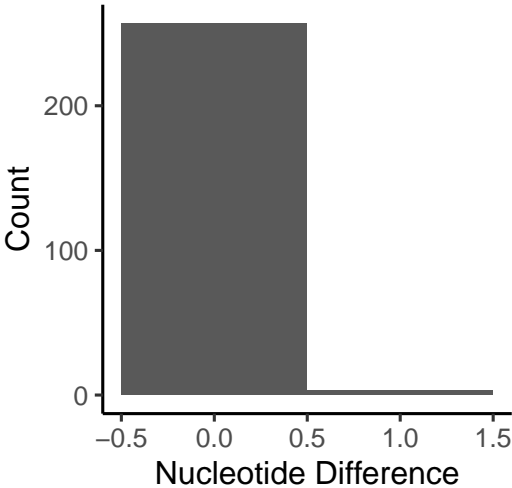
TRBV12-5*ap01

726 sequences assigned
716 (98.6%) exact matches, in which:
712 unique CDR3
13 unique J



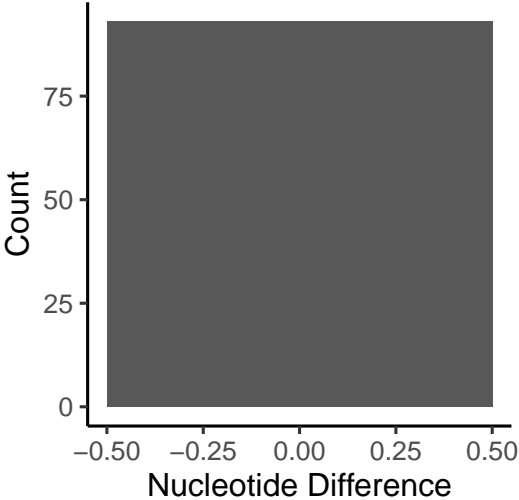
TRBV11-1*ap01

260 sequences assigned
257 (98.8%) exact matches, in which:
256 unique CDR3
13 unique J



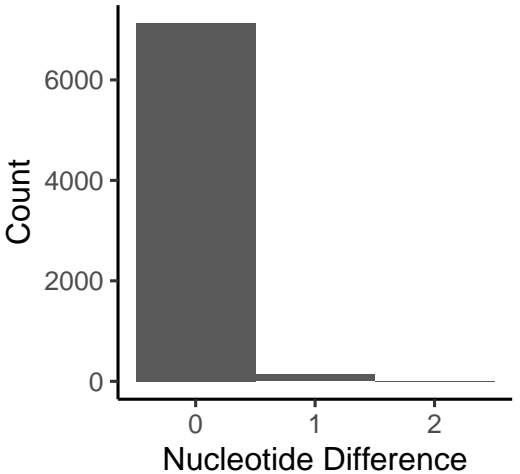
TRBV12-1*ap01

93 sequences assigned
93 (100%) exact matches, in which:
92 unique CDR3
12 unique J



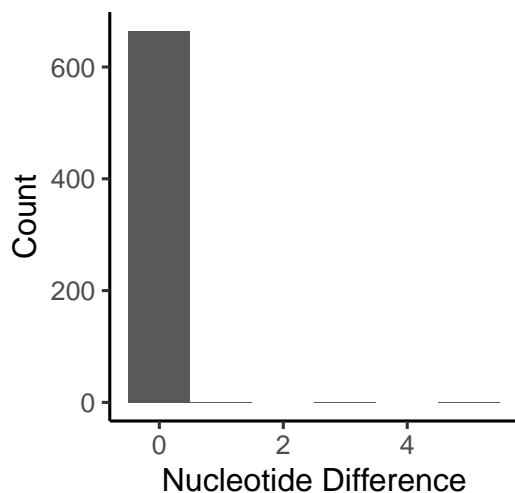
TRBV12-34*ap01

7273 sequences assigned
7132 (98.1%) exact matches, in which:
7027 unique CDR3
13 unique J



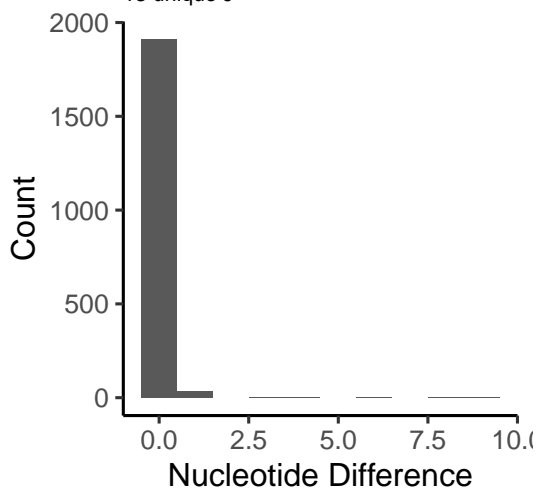
TRBV23–1*ap01

668 sequences assigned
665 (99.6%) exact matches, in which:
659 unique CDR3
13 unique J



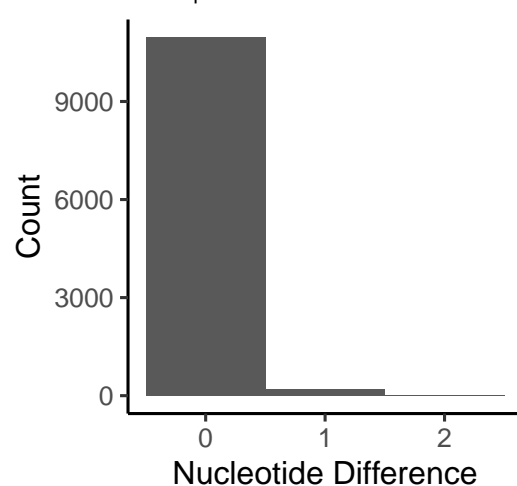
TRBV24–1*ap01

1954 sequences assigned
1910 (97.7%) exact matches, in which:
1884 unique CDR3
13 unique J



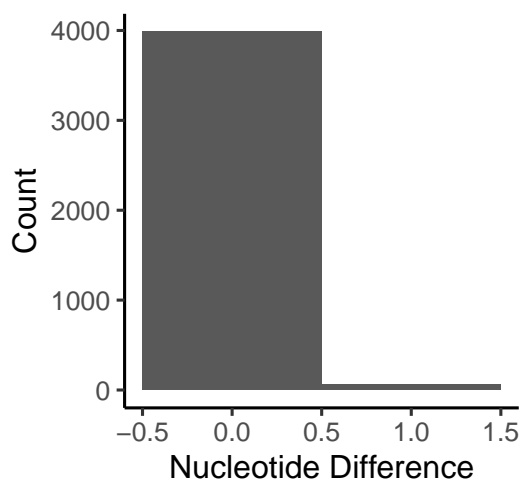
TRBV5–1*ap01

11166 sequences assigned
10960 (98.2%) exact matches, in which:
10710 unique CDR3
13 unique J



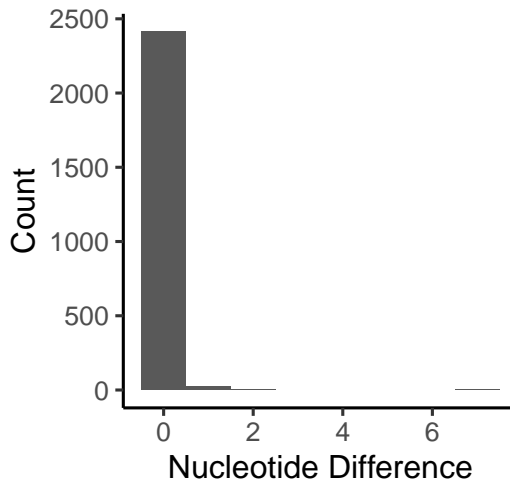
TRBV3–12*ap01

4050 sequences assigned
3986 (98.4%) exact matches, in which:
3958 unique CDR3
13 unique J



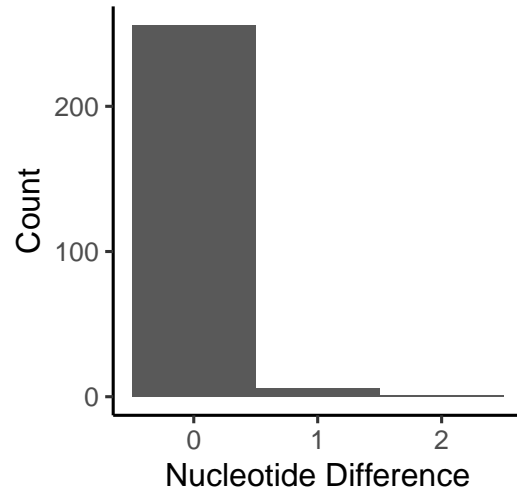
TRBV4–2*ap01

2442 sequences assigned
2413 (98.8%) exact matches, in which:
2350 unique CDR3
13 unique J



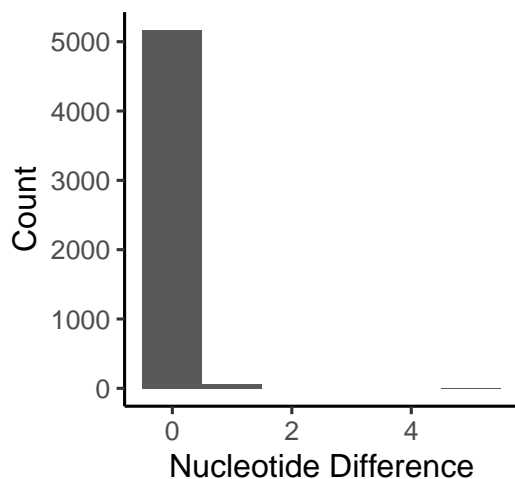
TRBV5–3*ap01

263 sequences assigned
256 (97.3%) exact matches, in which:
253 unique CDR3
13 unique J



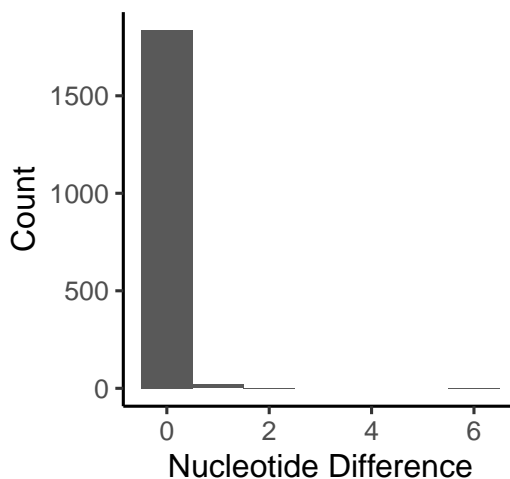
TRBV4–1*ap01

5237 sequences assigned
5168 (98.7%) exact matches, in which:
5029 unique CDR3
13 unique J



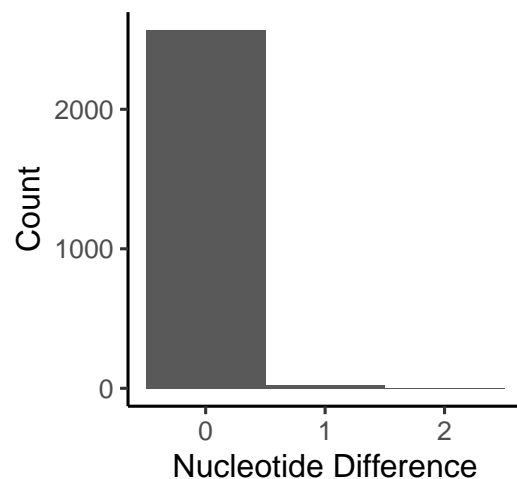
TRBV25–1*ap01

1859 sequences assigned
1837 (98.8%) exact matches, in which:
1801 unique CDR3
13 unique J



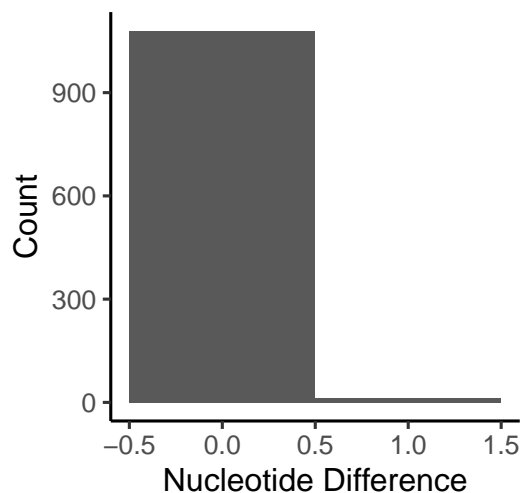
TRBV5–4*ap01

2591 sequences assigned
2568 (99.1%) exact matches, in which:
2525 unique CDR3
13 unique J



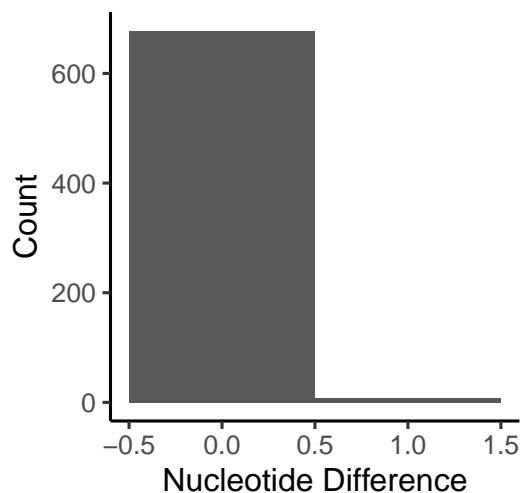
TRBV5-5*ap01

1093 sequences assigned
1080 (98.8%) exact matches, in which:
1069 unique CDR3
13 unique J



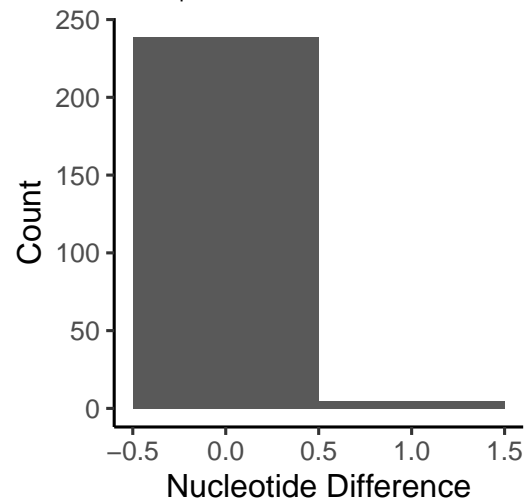
TRBV5-8*ap01

686 sequences assigned
678 (98.8%) exact matches, in which:
676 unique CDR3
13 unique J



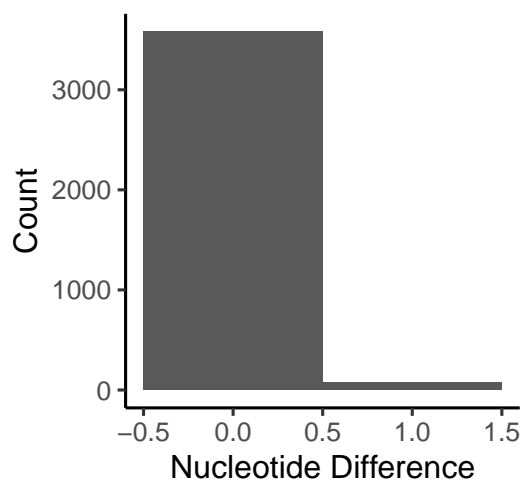
TRBV6-7*ap01

244 sequences assigned
239 (98%) exact matches, in which:
234 unique CDR3
13 unique J



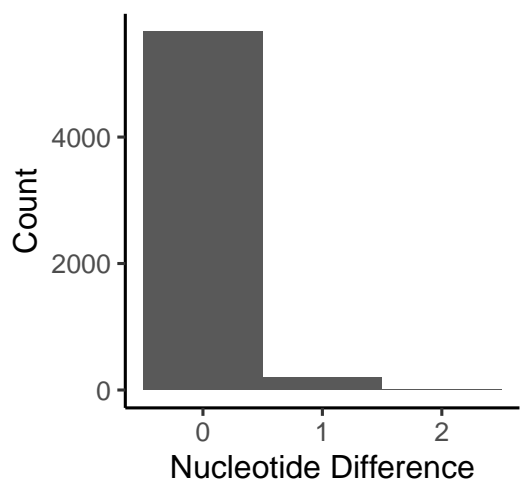
TRBV5-6*ap01

3653 sequences assigned
3580 (98%) exact matches, in which:
3453 unique CDR3
13 unique J



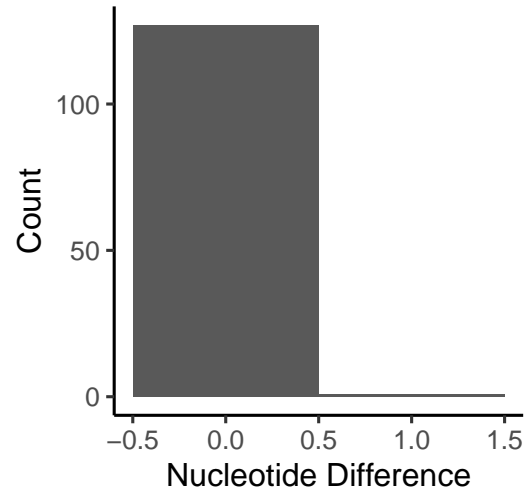
TRBV6-1*ap01

5862 sequences assigned
5666 (96.7%) exact matches, in which:
5565 unique CDR3
13 unique J



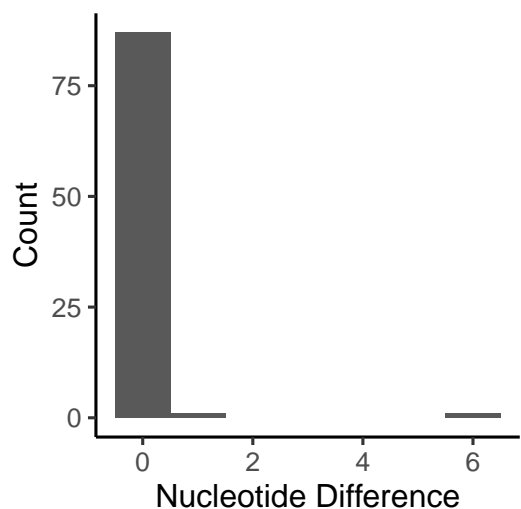
TRBV6-8*ap01

128 sequences assigned
127 (99.2%) exact matches, in which:
124 unique CDR3
12 unique J



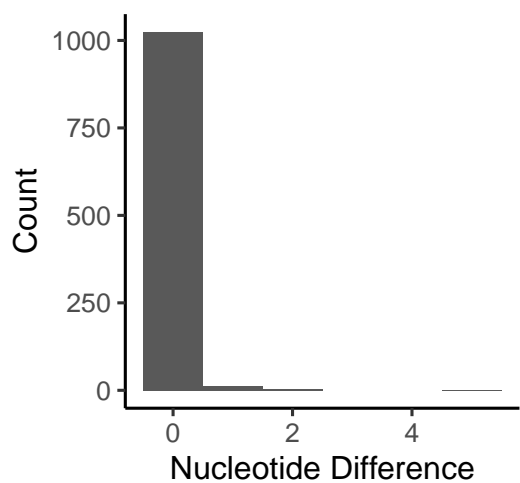
TRBV5-7*ap01

89 sequences assigned
87 (97.8%) exact matches, in which:
87 unique CDR3
12 unique J



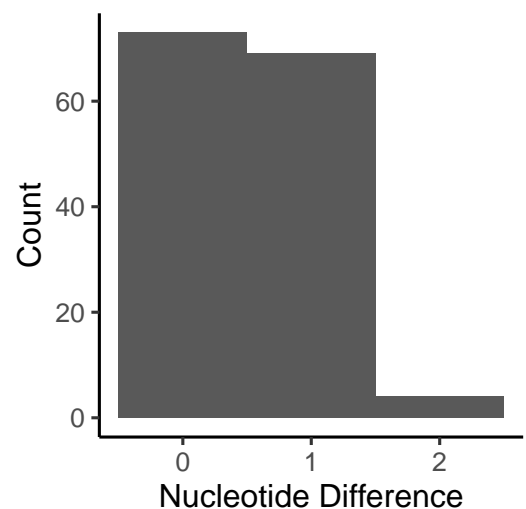
TRBV6-4*ap01

1040 sequences assigned
1024 (98.5%) exact matches, in which:
1011 unique CDR3
13 unique J



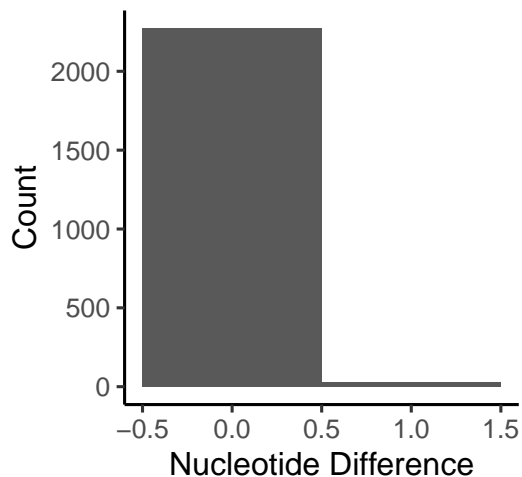
TRBV6-9*ap01

146 sequences assigned
73 (50%) exact matches, in which:
69 unique CDR3
11 unique J



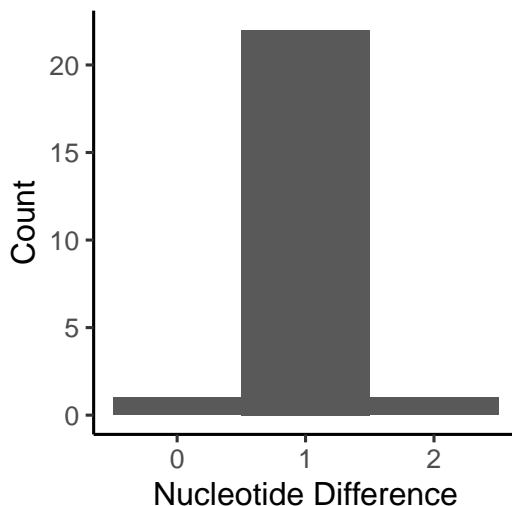
TRBV6–23*ap01

2303 sequences assigned
2272 (98.7%) exact matches, in which:
2242 unique CDR3
13 unique J



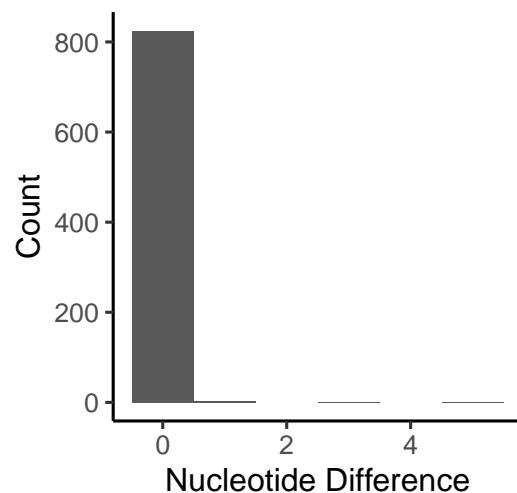
TRBV7–1*ap01_T296C

24 sequences assigned
1 (4.2%) exact matches, in which:
1 unique CDR3
1 unique J



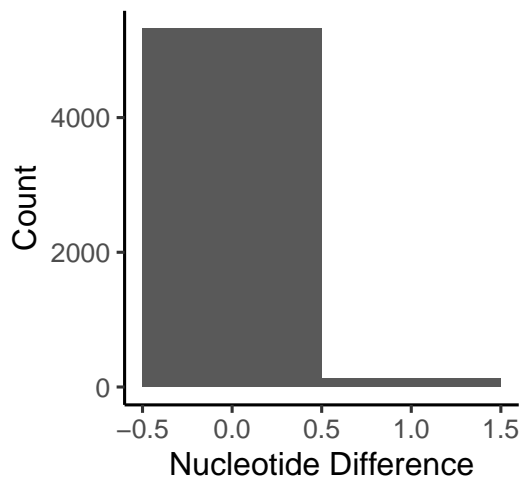
TRBV7–3*ap03

830 sequences assigned
825 (99.4%) exact matches, in which:
822 unique CDR3
13 unique J



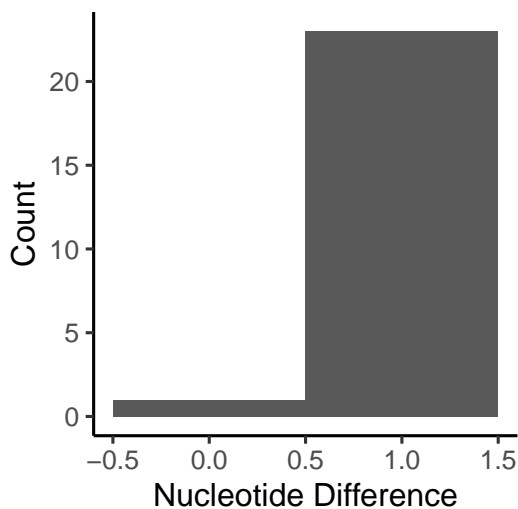
TRBV6–56*ap01

5440 sequences assigned
5319 (97.8%) exact matches, in which:
5223 unique CDR3
13 unique J



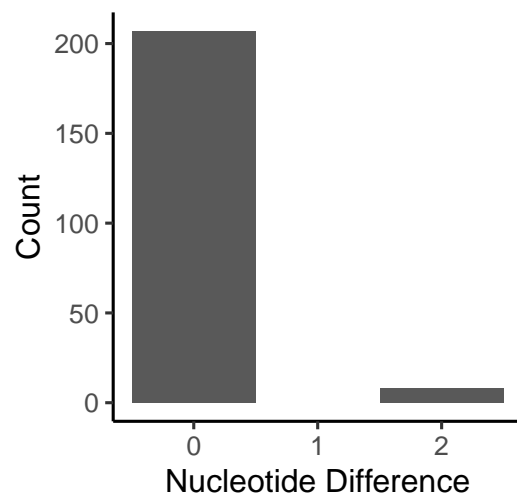
TRBV7–1*ap01_T296C_C

24 sequences assigned
1 (4.2%) exact matches, in which:
1 unique CDR3
1 unique J



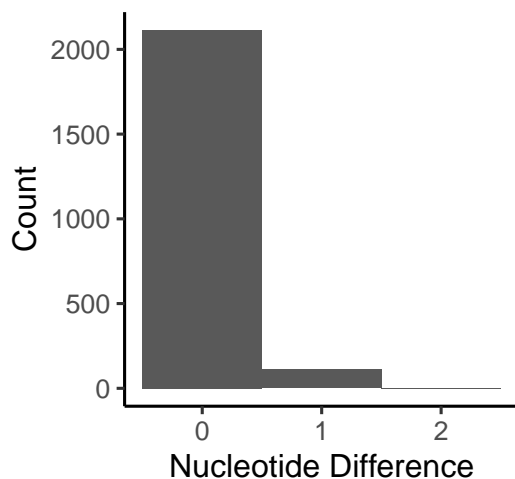
TRBV7–4*ap01

215 sequences assigned
207 (96.3%) exact matches, in which:
202 unique CDR3
13 unique J



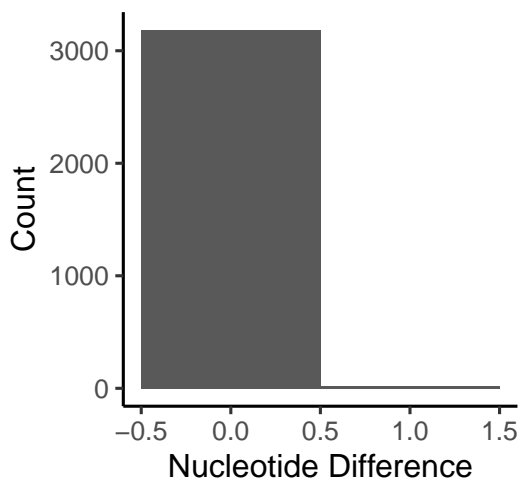
TRBV6–56*ap02

2226 sequences assigned
2114 (95%) exact matches, in which:
2066 unique CDR3
13 unique J



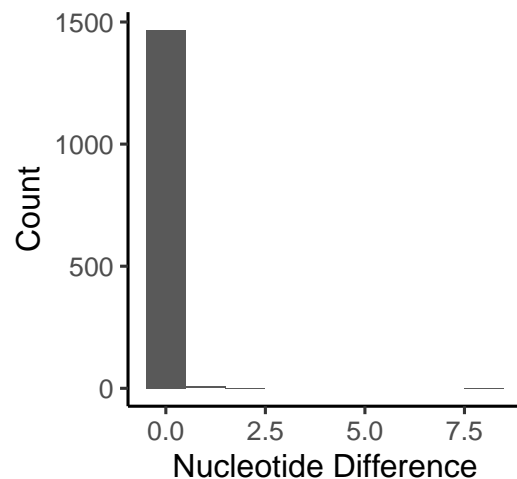
TRBV7–2*ap01

3206 sequences assigned
3184 (99.3%) exact matches, in which:
3150 unique CDR3
13 unique J



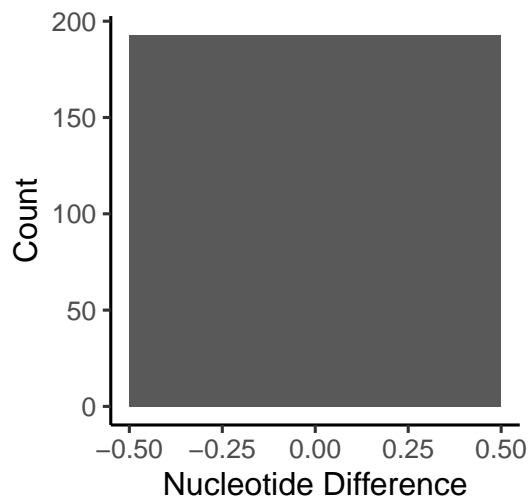
TRBV7–6*ap01

1477 sequences assigned
1467 (99.3%) exact matches, in which:
1439 unique CDR3
13 unique J



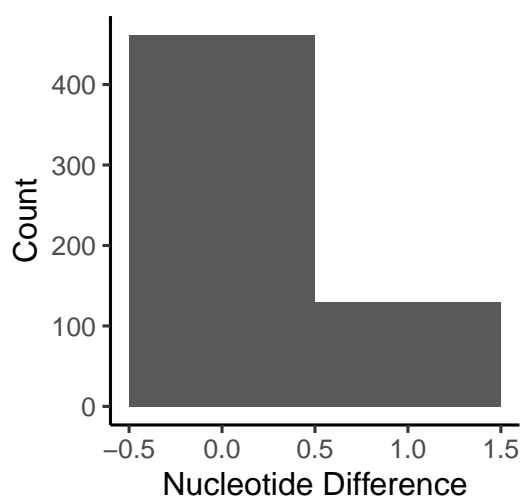
TRBV7-7*ap01

193 sequences assigned
193 (100%) exact matches, in which:
187 unique CDR3
12 unique J



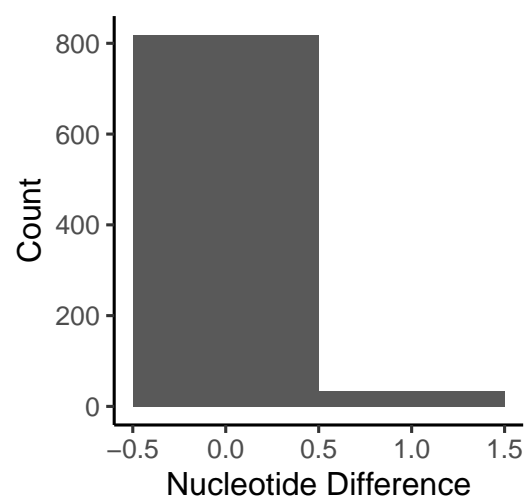
TRBV7-8*ap03

592 sequences assigned
462 (78%) exact matches, in which:
454 unique CDR3
13 unique J



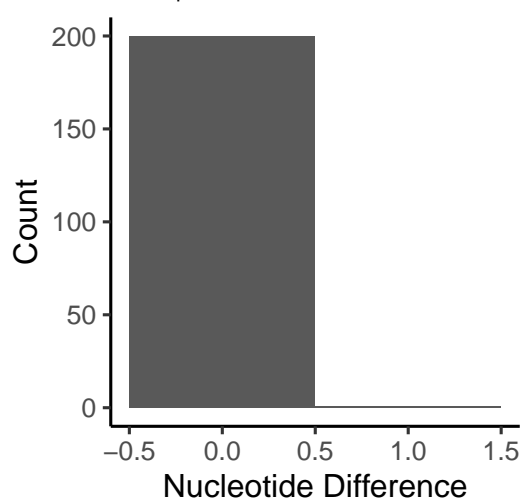
TRBV29-1*ap02

853 sequences assigned
819 (96%) exact matches, in which:
768 unique CDR3
13 unique J



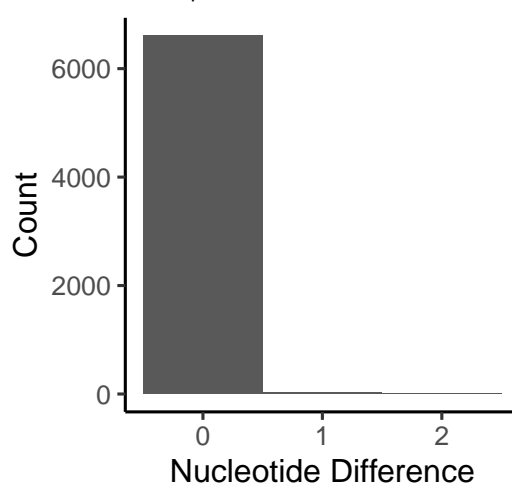
TRBV7-7*ap01_C315T

201 sequences assigned
200 (99.5%) exact matches, in which:
197 unique CDR3
12 unique J



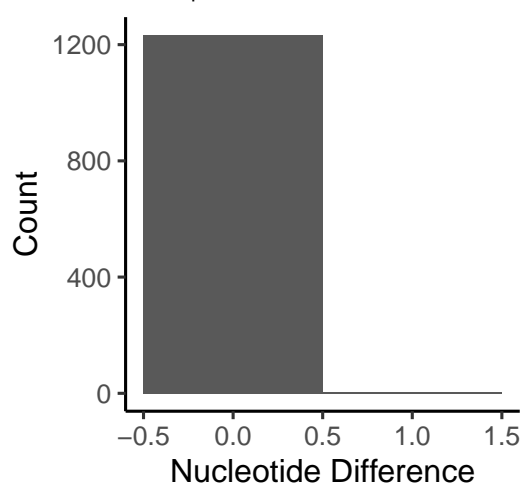
TRBV7-9*ap01

6638 sequences assigned
6607 (99.5%) exact matches, in which:
6493 unique CDR3
13 unique J



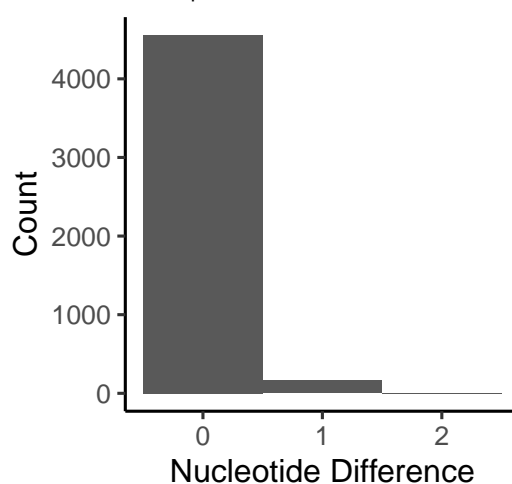
TRBV7-8*ap01

1237 sequences assigned
1233 (99.7%) exact matches, in which:
1216 unique CDR3
13 unique J

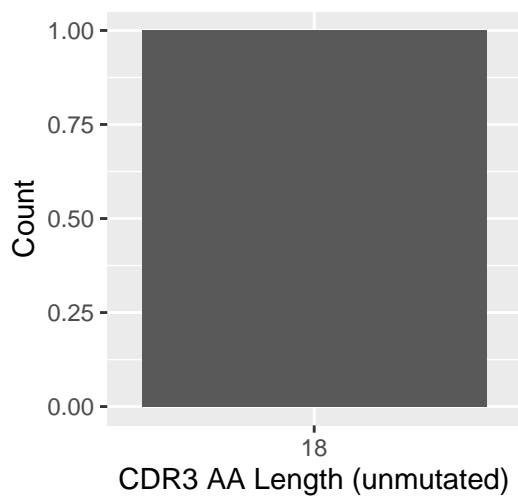


TRBV29-1*ap01

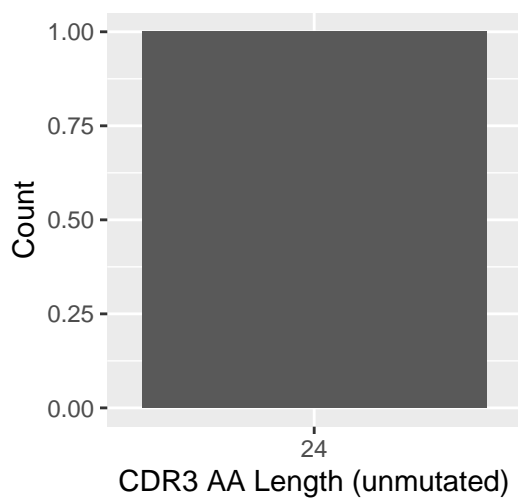
4726 sequences assigned
4557 (96.4%) exact matches, in which:
4310 unique CDR3
13 unique J



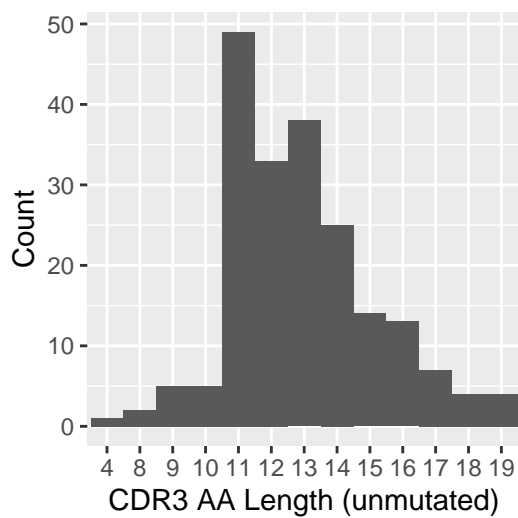
TRBV7-1*ap01_T296C_C314T



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]