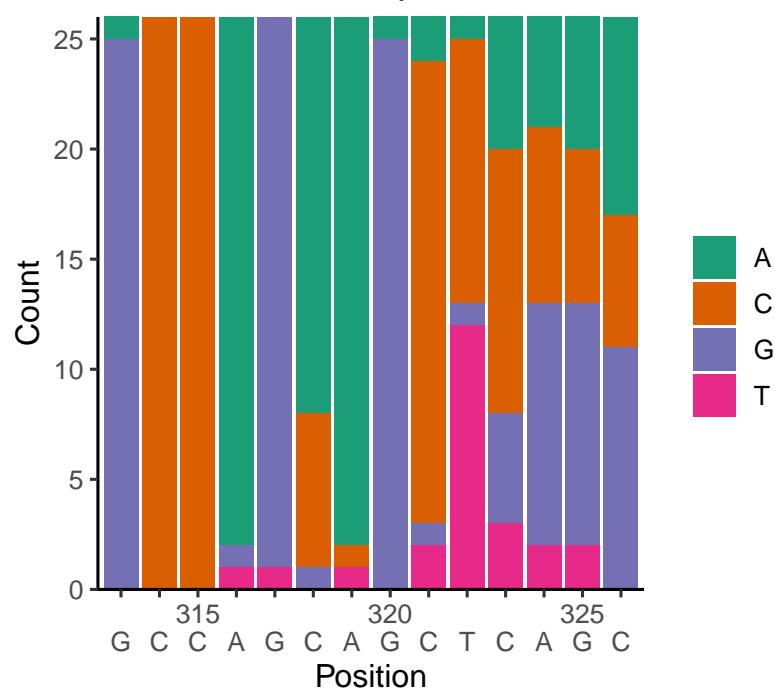
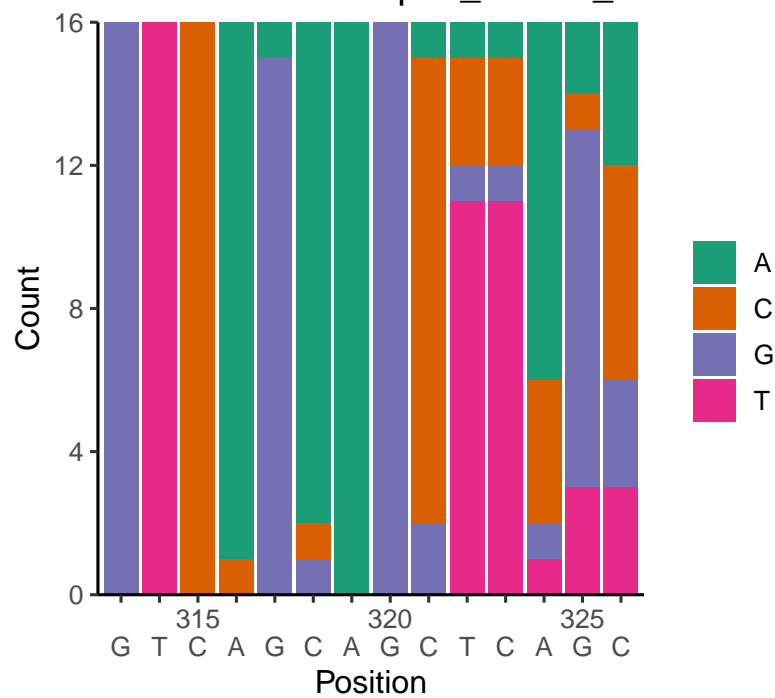


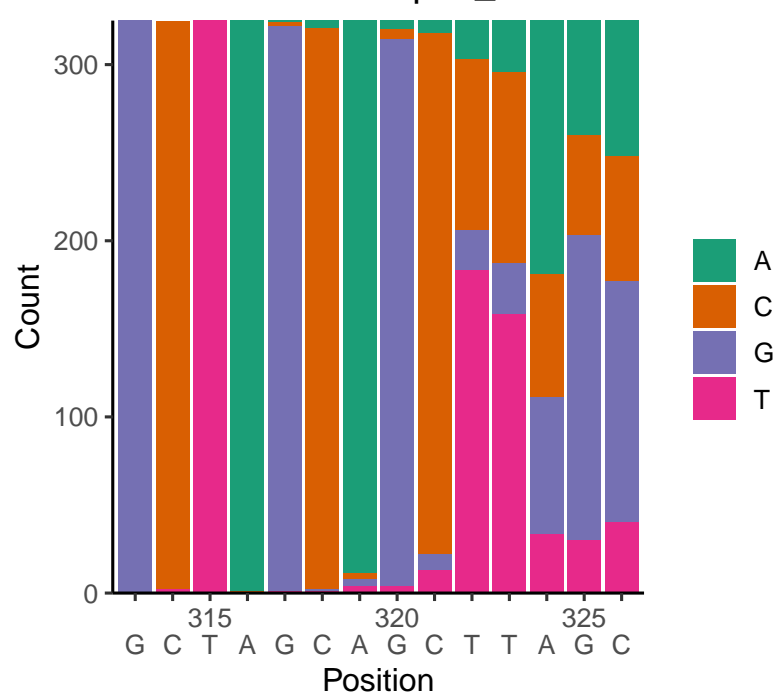
Gene TRBV7-1*ap01_T296C



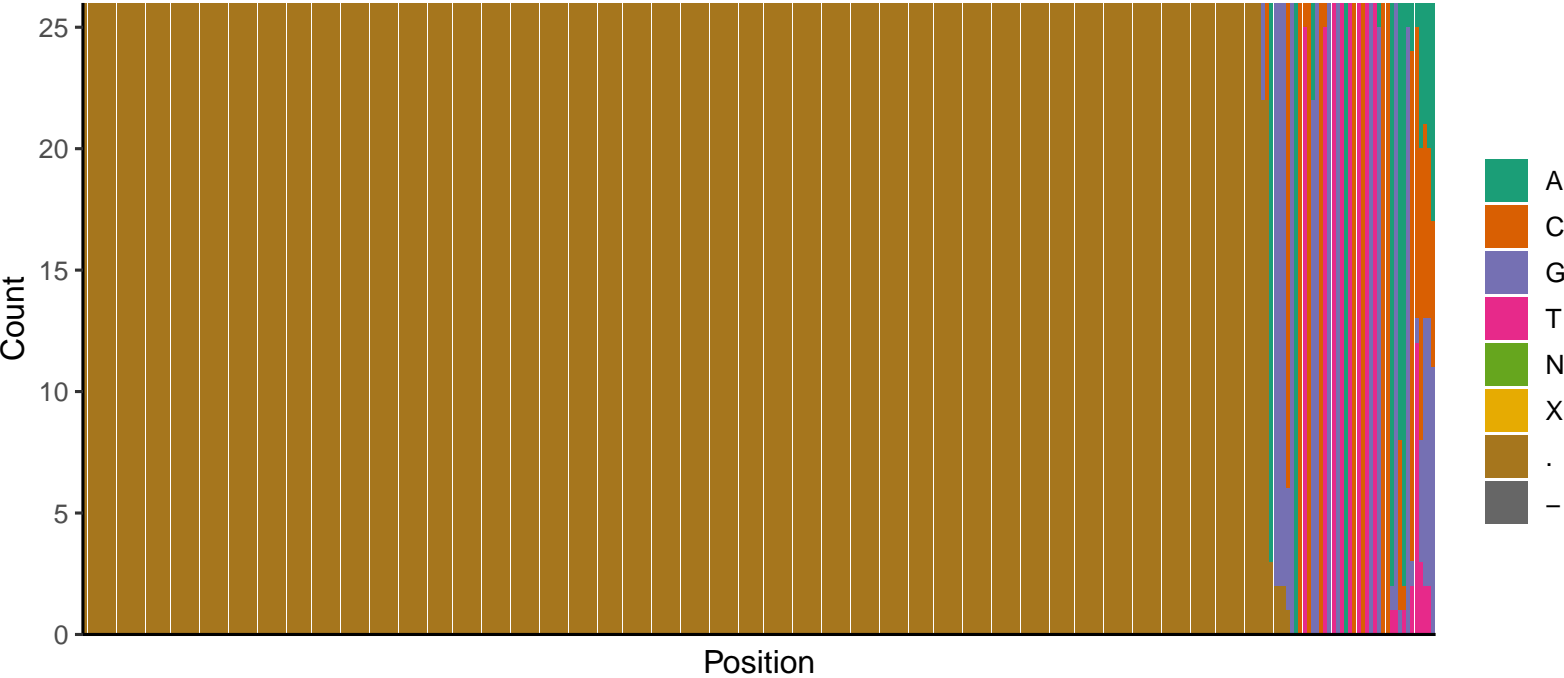
Gene TRBV7-1*ap01_T296C_C314T



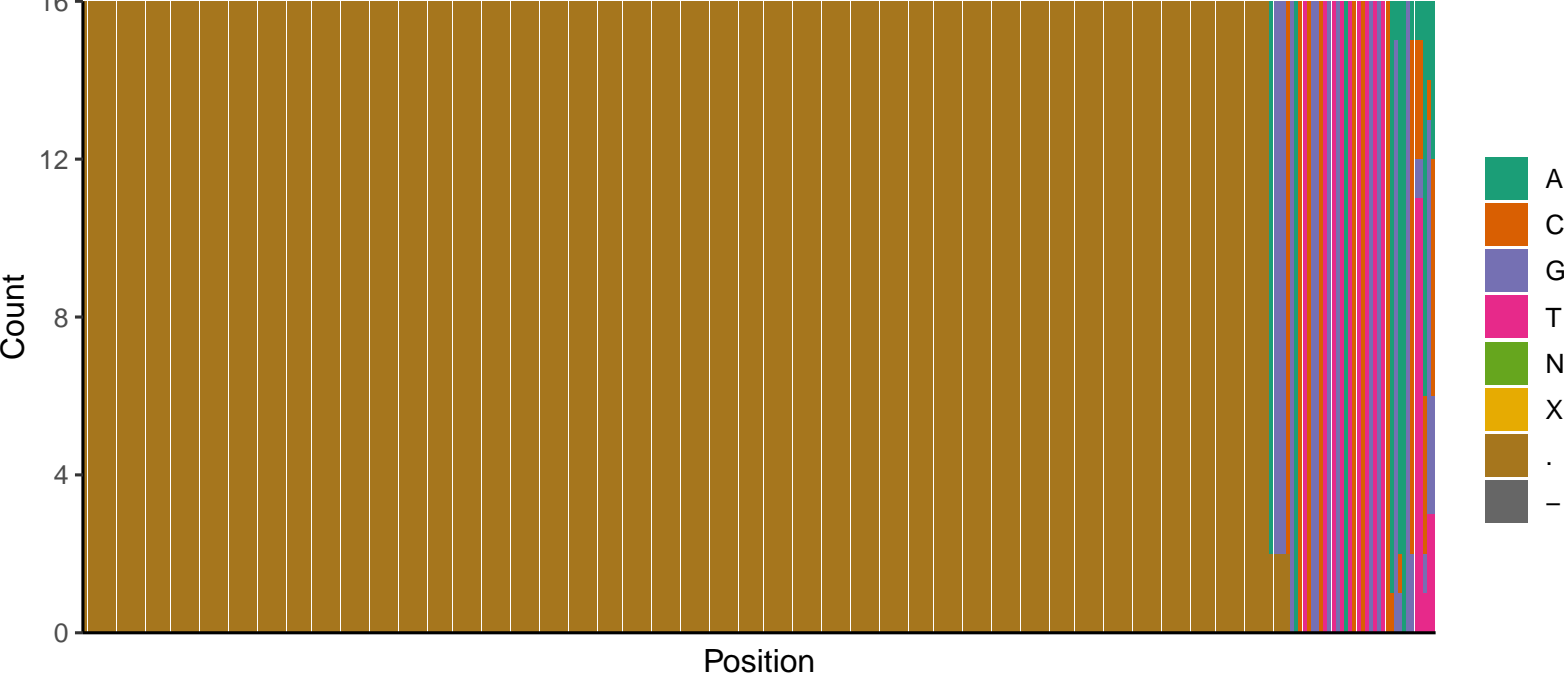
Gene TRBV7-7*ap01_C315T



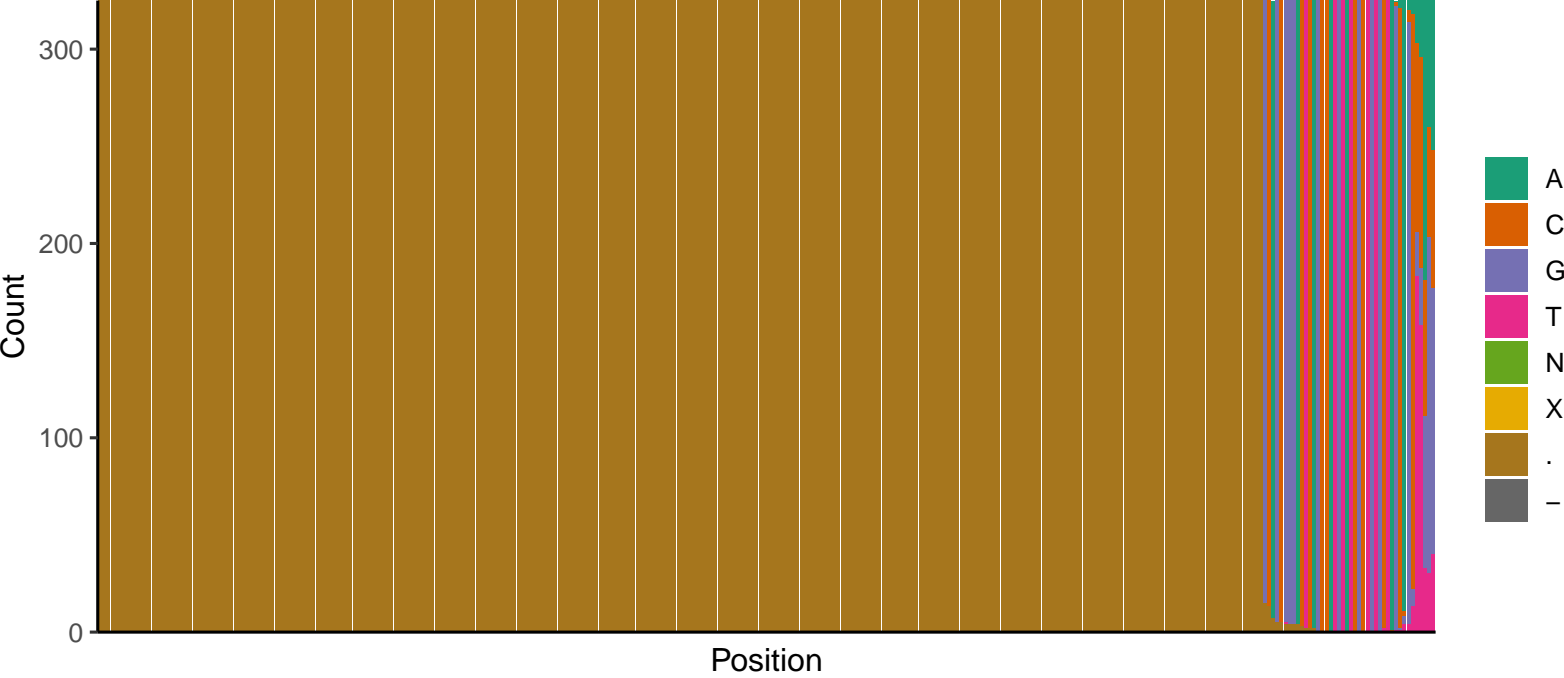
Gene TRBV7-1*ap01_T296C



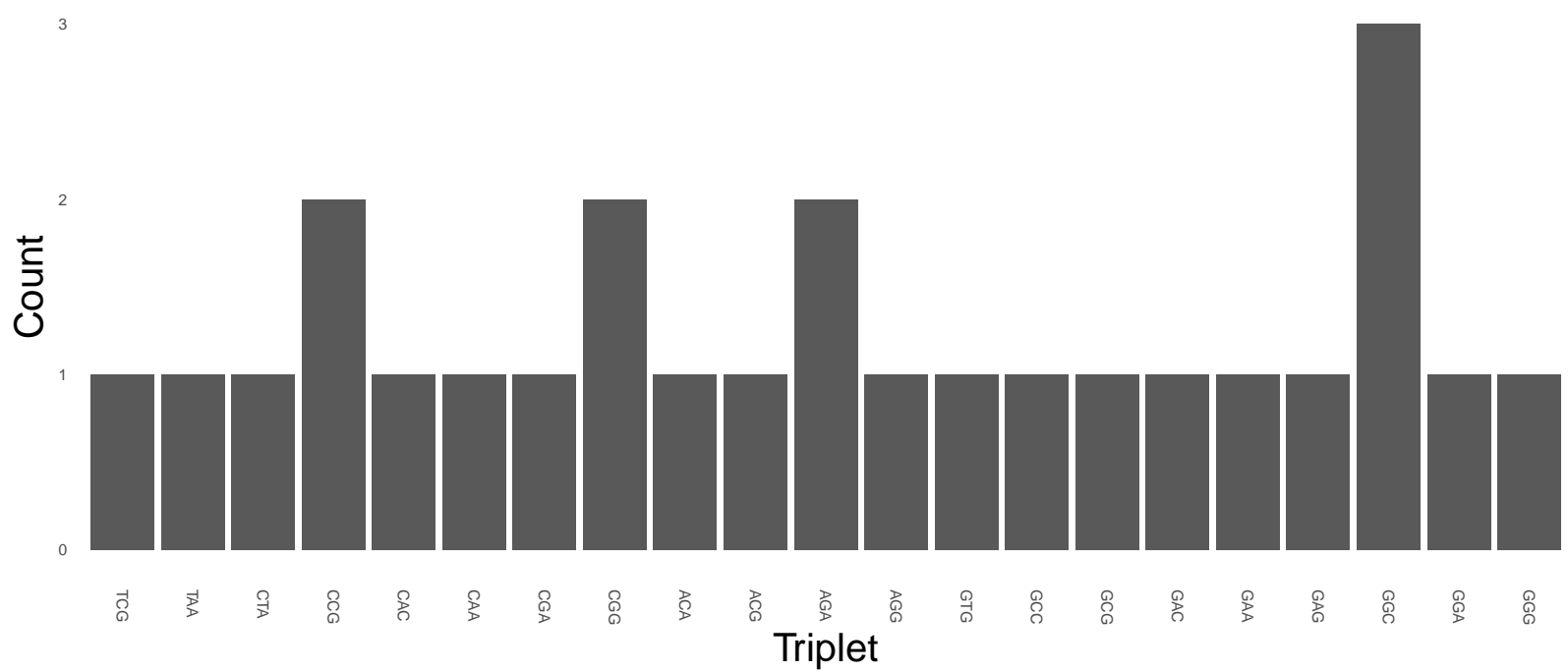
Gene TRBV7-1*ap01_T296C_C314T



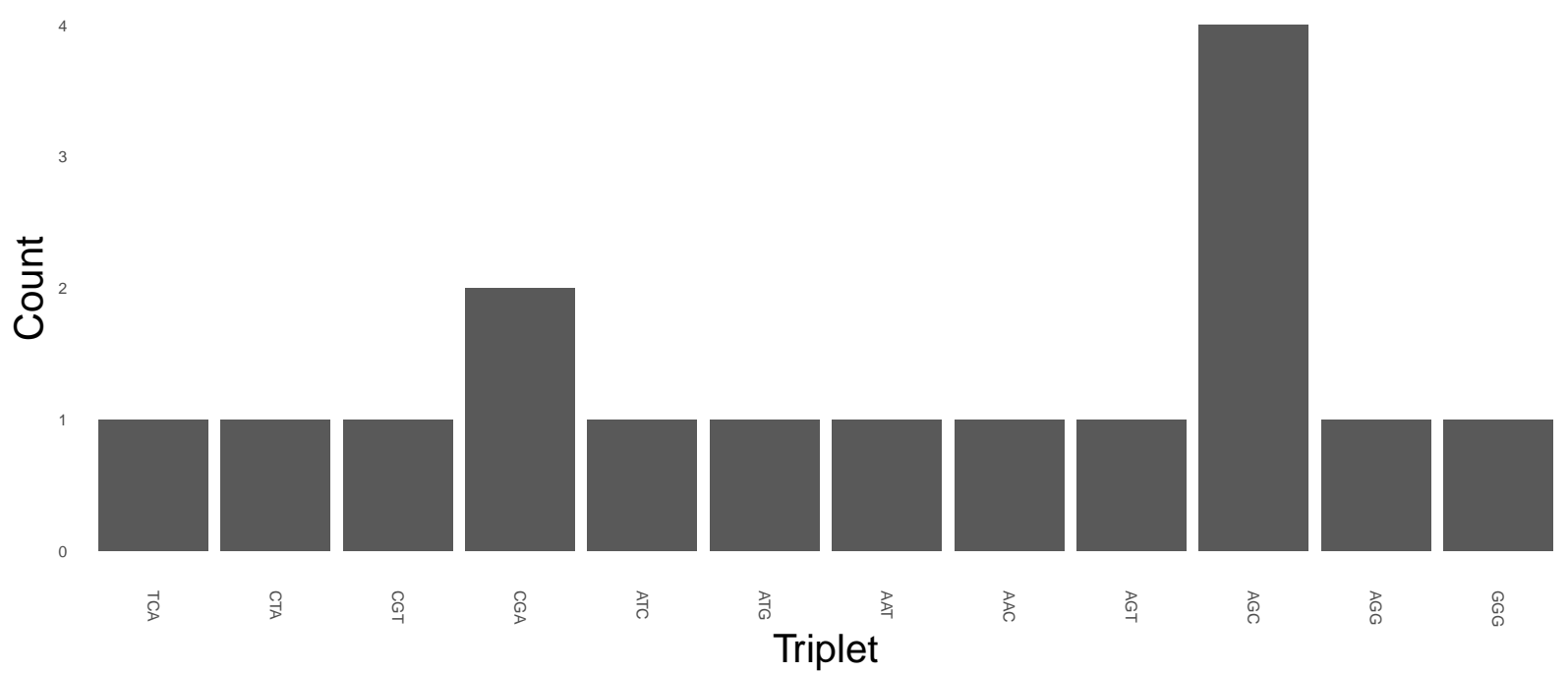
Gene TRBV7-7*ap01_C315T



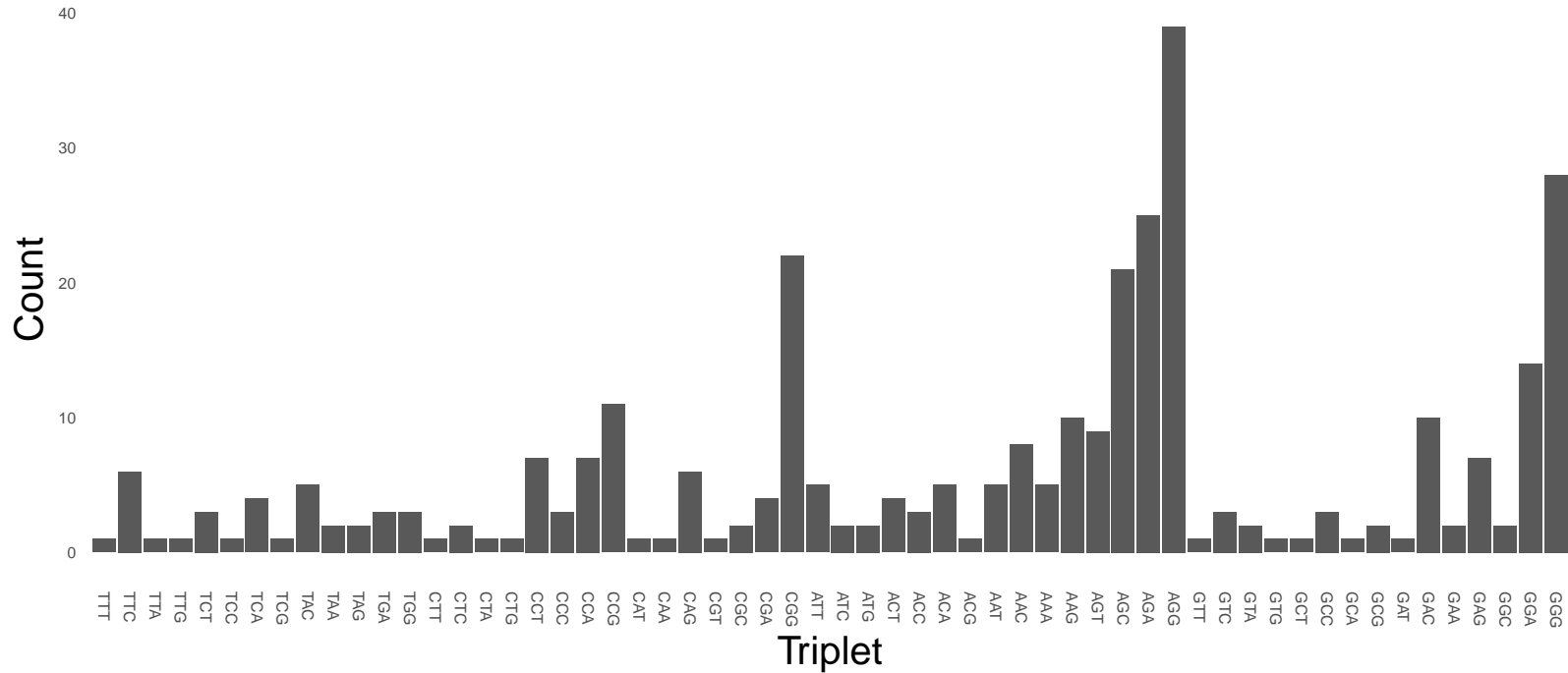
TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet



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

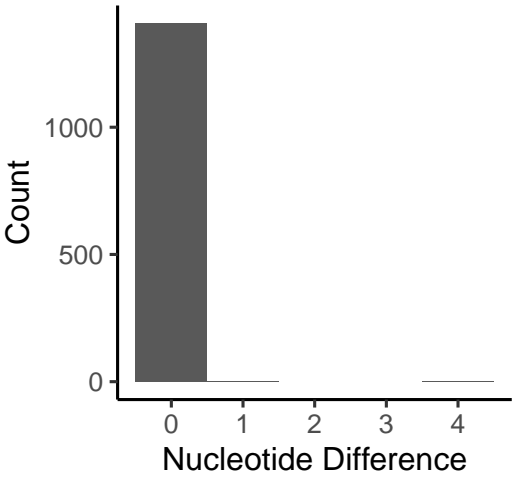


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



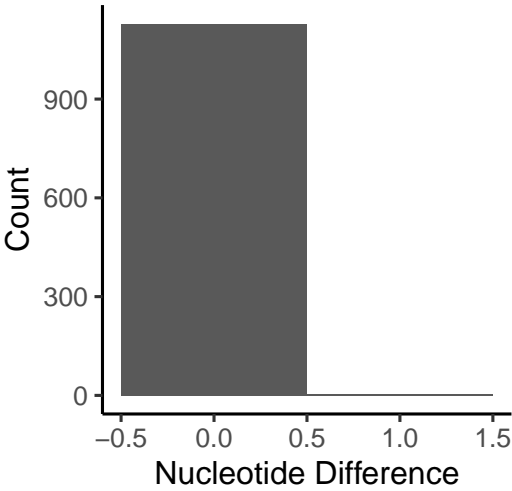
TRBV10-1*ap01

1410 sequences assigned
1408 (99.9%) exact matches, in which:
1407 unique CDR3
13 unique J



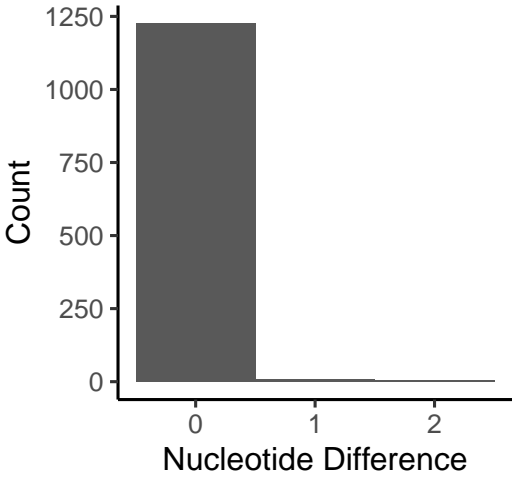
TRBV10-2*ap01

1133 sequences assigned
1129 (99.6%) exact matches, in which:
1126 unique CDR3
13 unique J



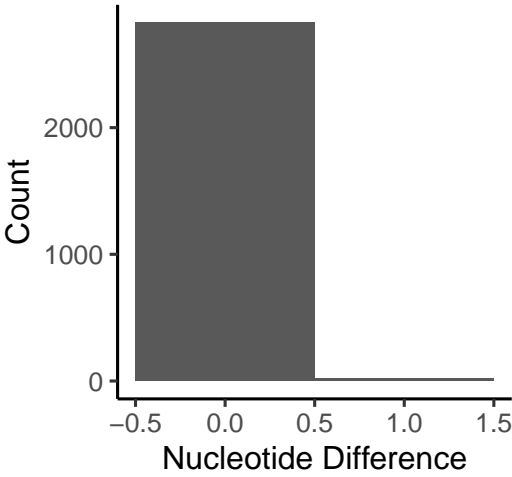
TRBV13*ap01

1241 sequences assigned
1226 (98.8%) exact matches, in which:
1221 unique CDR3
13 unique J



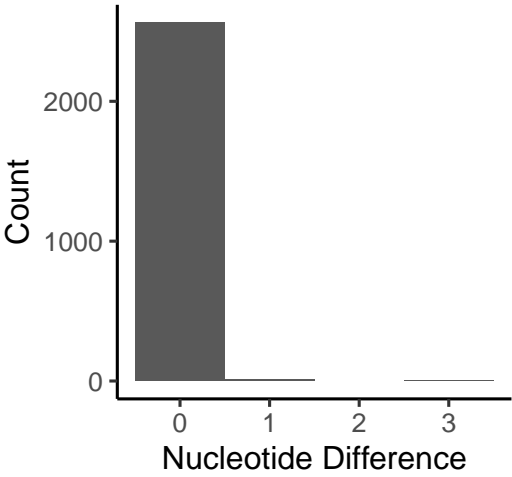
TRBV20-1*ap01

2845 sequences assigned
2828 (99.4%) exact matches, in which:
2816 unique CDR3
13 unique J



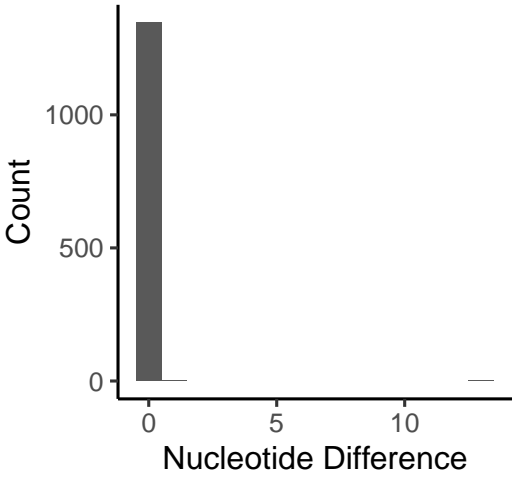
TRBV10-3*ap01

2571 sequences assigned
2562 (99.6%) exact matches, in which:
2558 unique CDR3
13 unique J



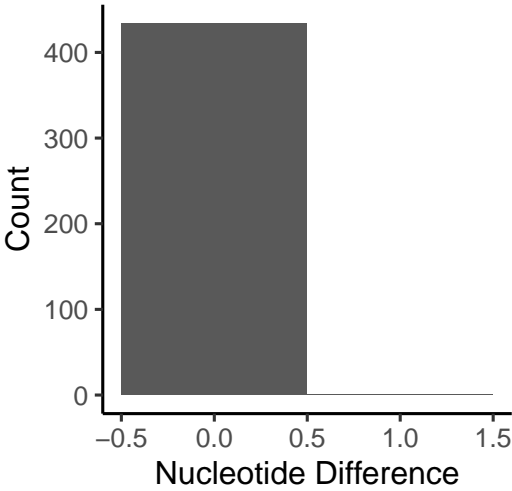
TRBV14*ap01

1350 sequences assigned
1346 (99.7%) exact matches, in which:
1345 unique CDR3
13 unique J



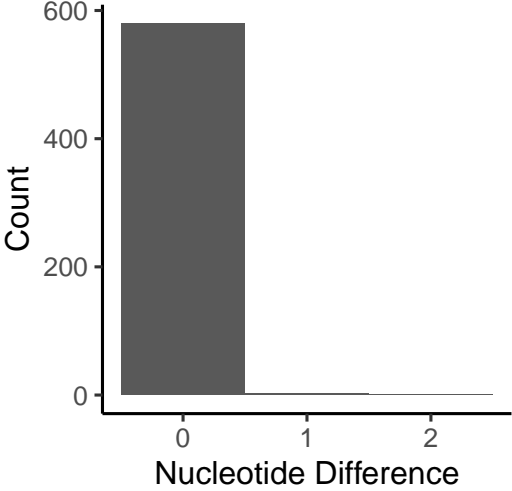
TRBV20-1*ap02

435 sequences assigned
434 (99.8%) exact matches, in which:
432 unique CDR3
13 unique J



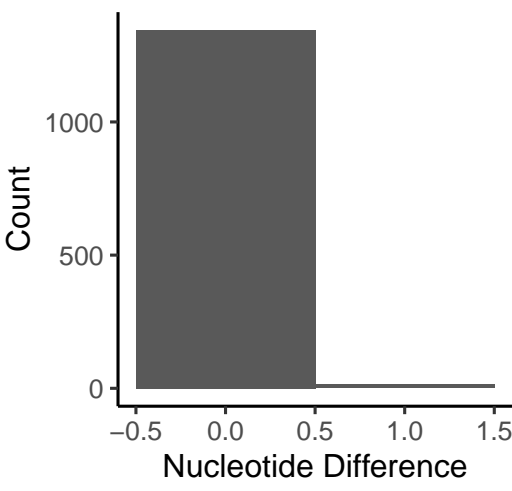
TRBV1*ap01

584 sequences assigned
580 (99.3%) exact matches, in which:
577 unique CDR3
13 unique J



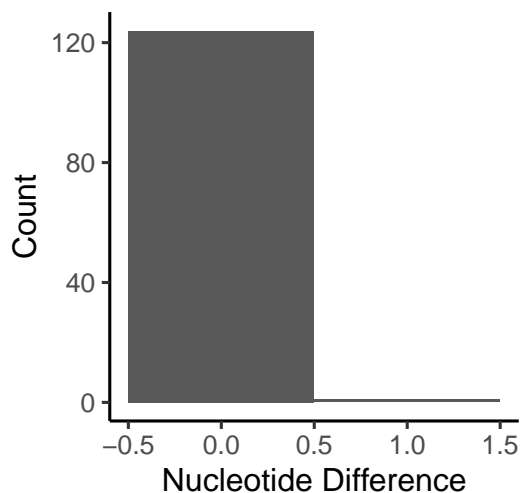
TRBV15*ap02

1359 sequences assigned
1345 (99%) exact matches, in which:
1339 unique CDR3
13 unique J



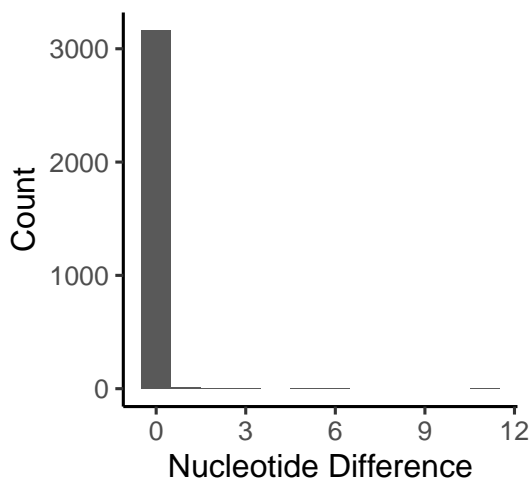
TRBV16*ap01

125 sequences assigned
124 (99.2%) exact matches, in which:
124 unique CDR3
13 unique J



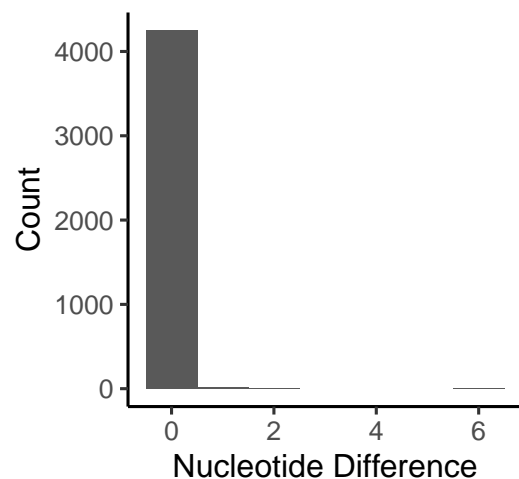
TRBV19*ap01

3180 sequences assigned
3162 (99.4%) exact matches, in which:
3159 unique CDR3
13 unique J



TRBV28*ap01

4267 sequences assigned
4250 (99.6%) exact matches, in which:
4245 unique CDR3
13 unique J



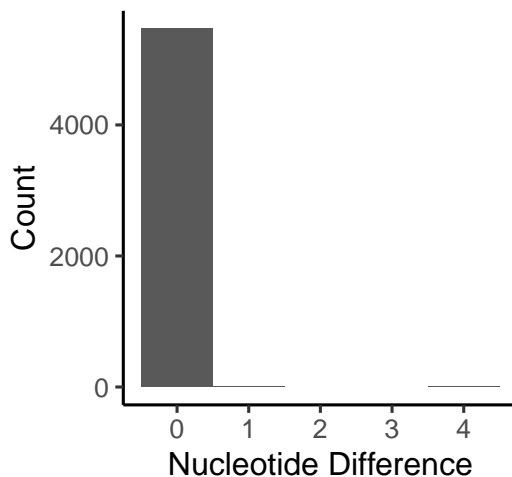
TRBV17*ap01

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



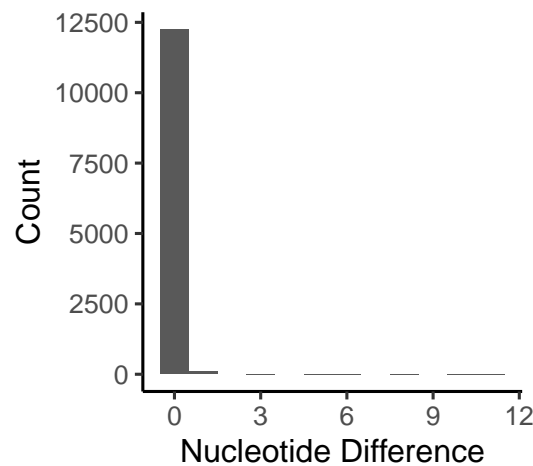
TRBV2*ap01

5482 sequences assigned
5468 (99.7%) exact matches, in which:
5459 unique CDR3
13 unique J



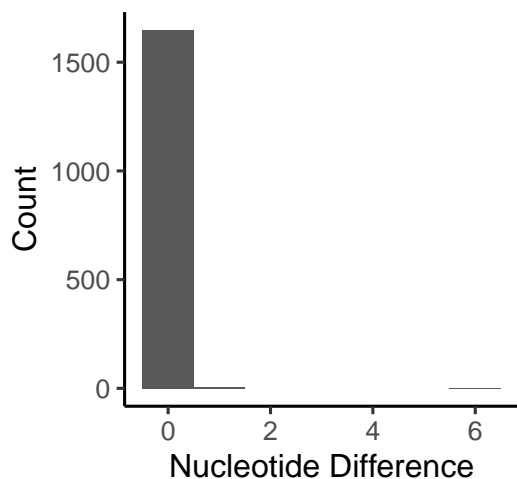
TRBV30*ap01

12360 sequences assigned
12247 (99.1%) exact matches, in which:
12187 unique CDR3
13 unique J



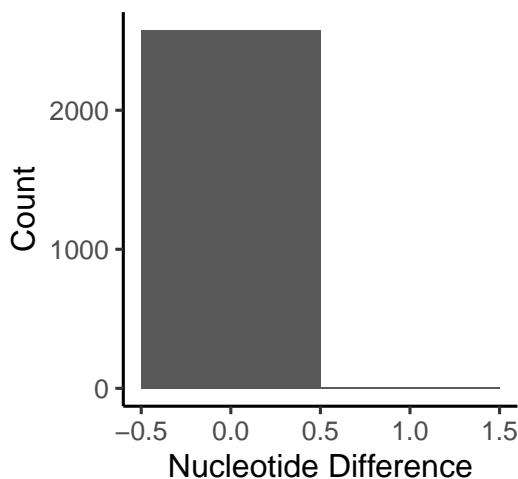
TRBV18*ap01

1654 sequences assigned
1648 (99.6%) exact matches, in which:
1646 unique CDR3
13 unique J



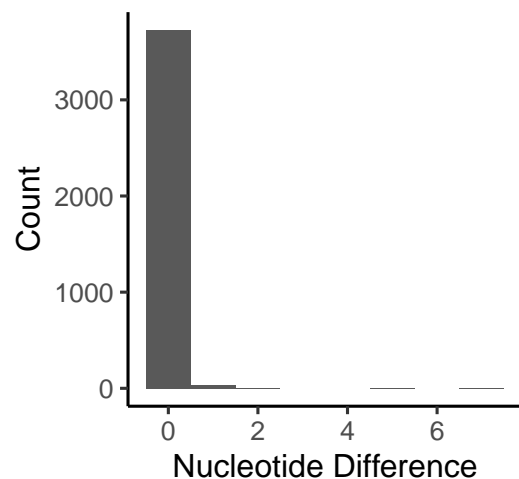
TRBV27*ap01

2587 sequences assigned
2577 (99.6%) exact matches, in which:
2570 unique CDR3
13 unique J



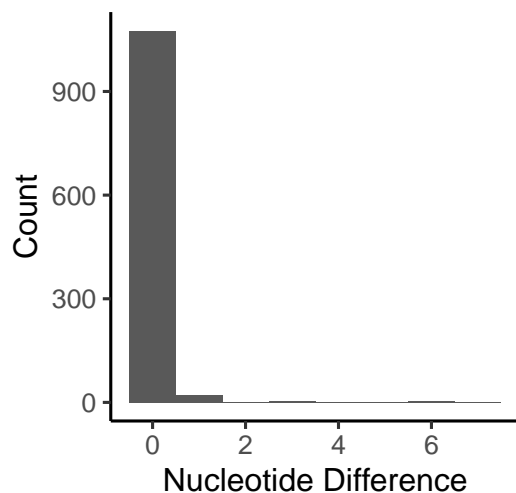
TRBV9*ap01

3764 sequences assigned
3726 (99%) exact matches, in which:
3718 unique CDR3
13 unique J



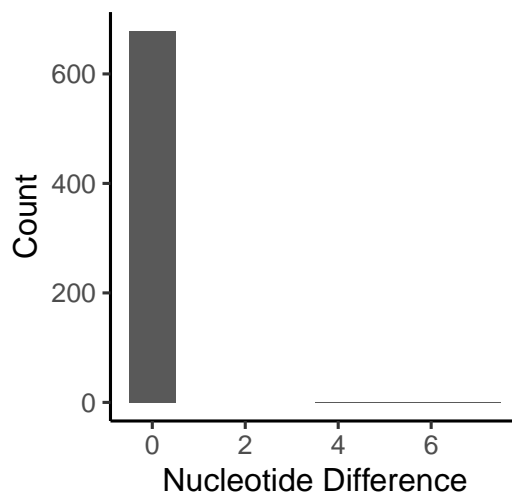
TRBV21–1*ap01

1109 sequences assigned
1076 (97%) exact matches, in which:
1074 unique CDR3
13 unique J



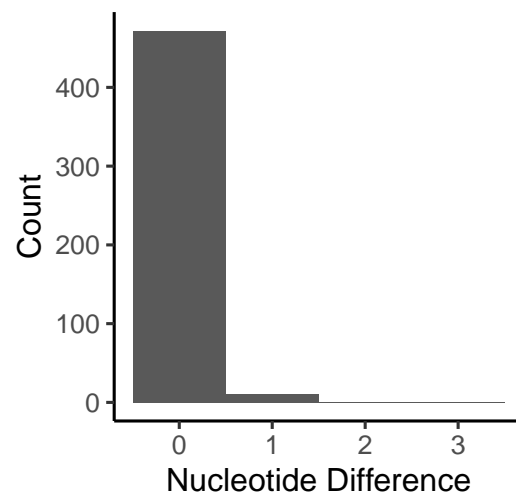
TRBV11–3*ap01

683 sequences assigned
679 (99.4%) exact matches, in which:
679 unique CDR3
13 unique J



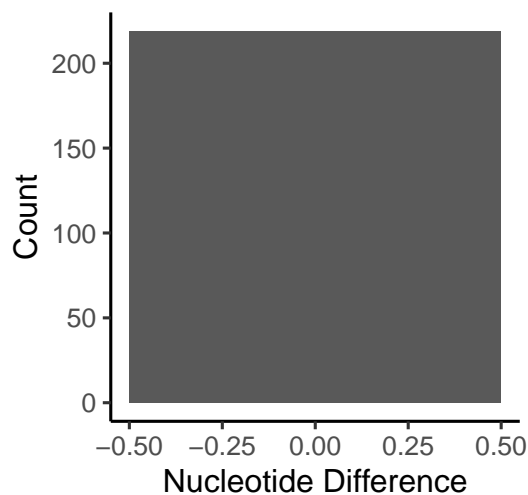
TRBV12–5*ap01

485 sequences assigned
472 (97.3%) exact matches, in which:
472 unique CDR3
13 unique J



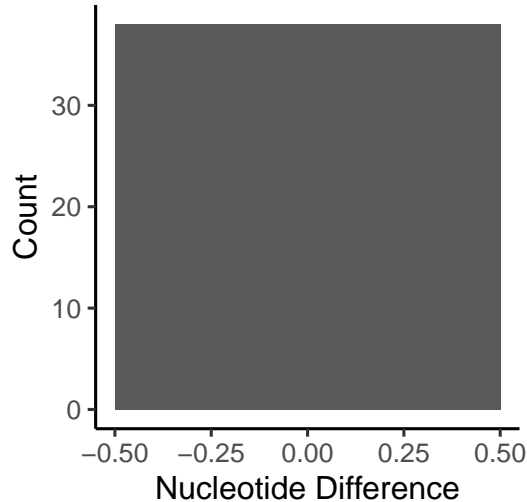
TRBV11–1*ap01

219 sequences assigned
219 (100%) exact matches, in which:
219 unique CDR3
13 unique J



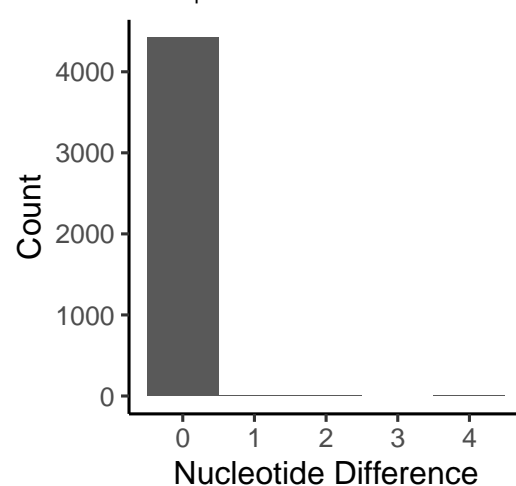
TRBV12–1*ap01

38 sequences assigned
38 (100%) exact matches, in which:
38 unique CDR3
10 unique J



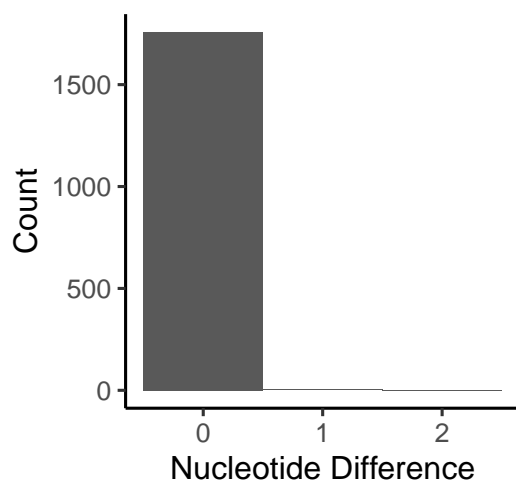
TRBV12–34*ap01

4435 sequences assigned
4420 (99.7%) exact matches, in which:
4412 unique CDR3
13 unique J



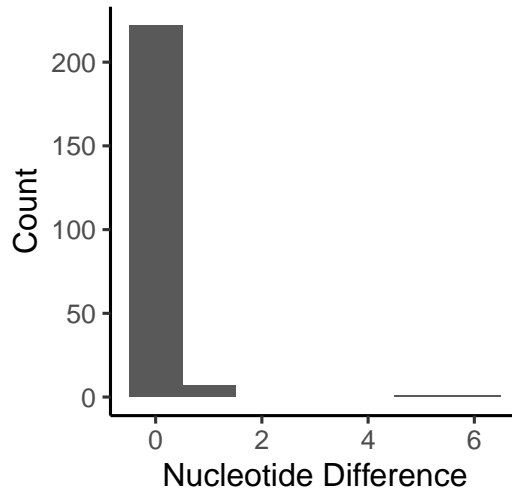
TRBV11–2*ap01

1763 sequences assigned
1758 (99.7%) exact matches, in which:
1756 unique CDR3
13 unique J



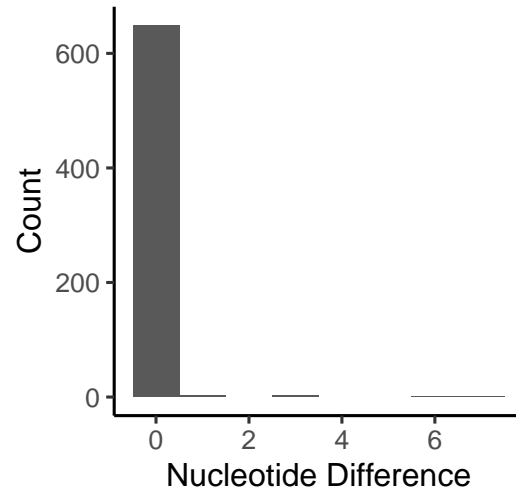
TRBV12–2*ap01

231 sequences assigned
222 (96.1%) exact matches, in which:
220 unique CDR3
13 unique J



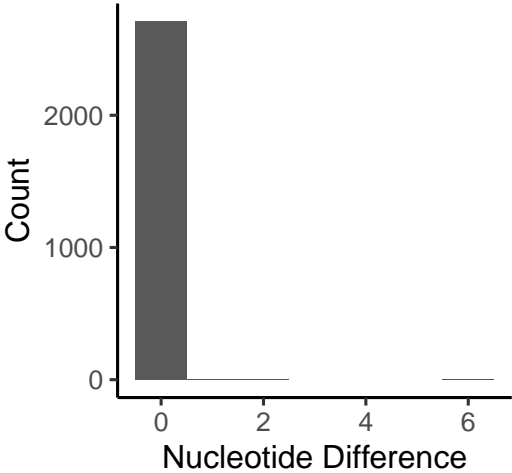
TRBV23–1*ap01

655 sequences assigned
649 (99.1%) exact matches, in which:
647 unique CDR3
13 unique J



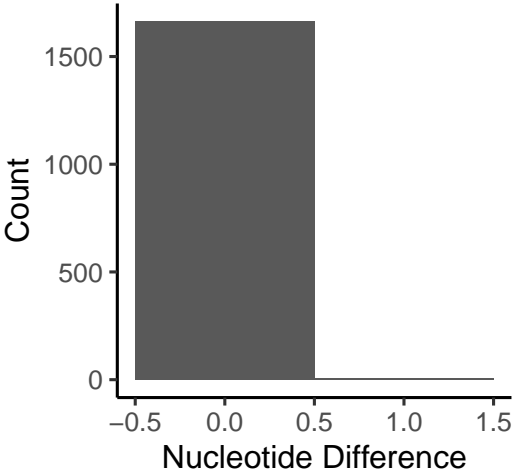
TRBV3-12*ap01

2718 sequences assigned
2710 (99.7%) exact matches, in which:
2704 unique CDR3
13 unique J



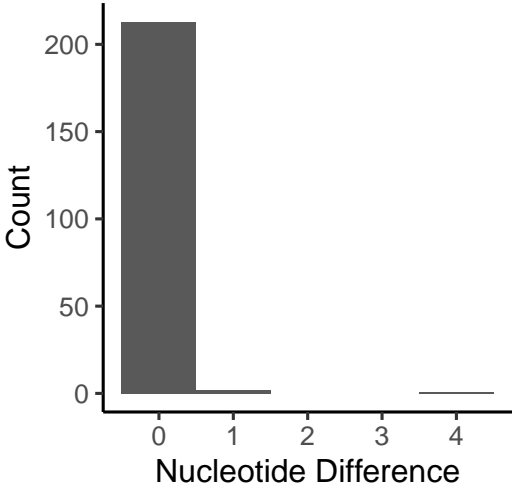
TRBV4-2*ap01

1670 sequences assigned
1663 (99.6%) exact matches, in which:
1659 unique CDR3
13 unique J



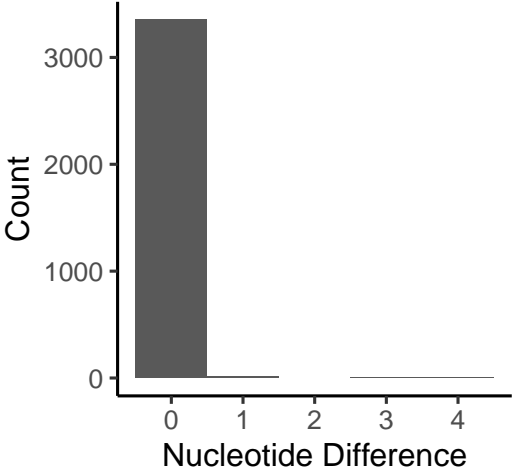
TRBV5-3*ap01

216 sequences assigned
213 (98.6%) exact matches, in which:
211 unique CDR3
13 unique J



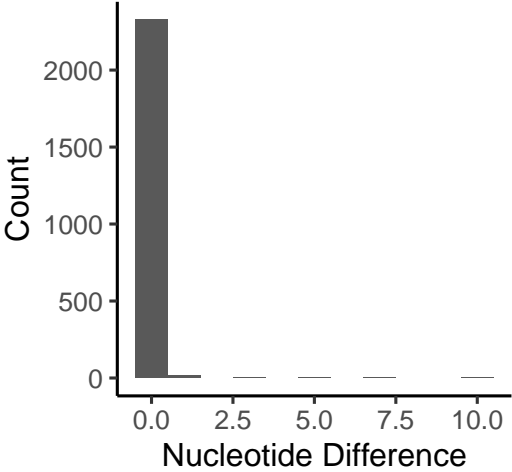
TRBV24-1*ap01

3368 sequences assigned
3353 (99.6%) exact matches, in which:
3343 unique CDR3
13 unique J



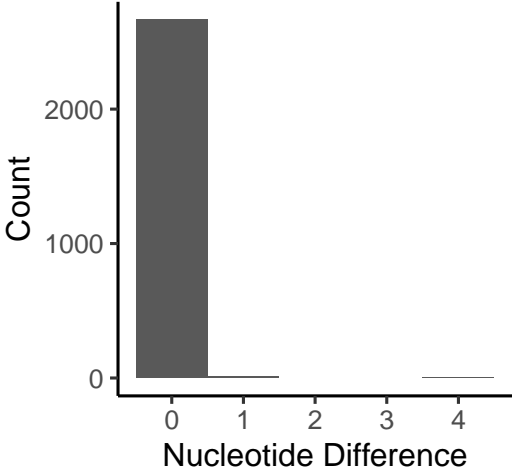
TRBV25-1*ap01

2347 sequences assigned
2327 (99.1%) exact matches, in which:
2317 unique CDR3
13 unique J



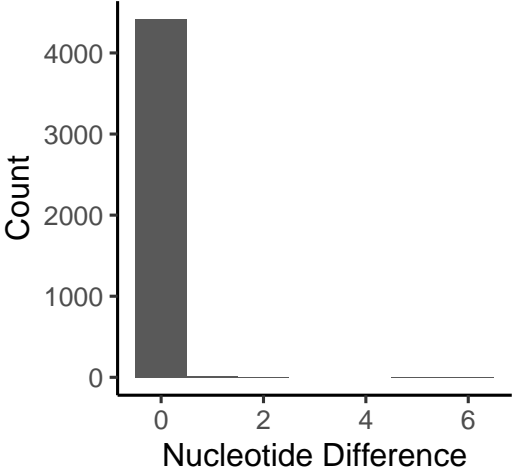
TRBV5-4*ap01

2674 sequences assigned
2665 (99.7%) exact matches, in which:
2659 unique CDR3
13 unique J



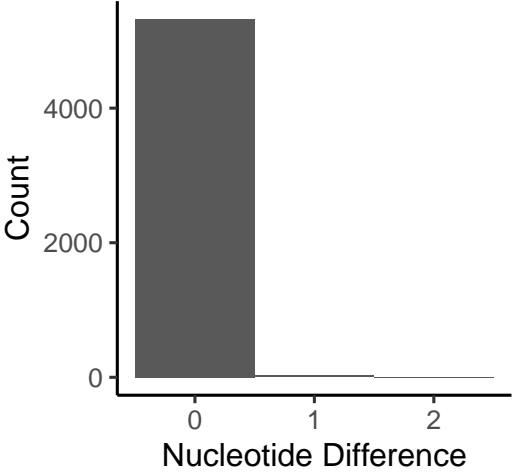
TRBV4-1*ap01

4441 sequences assigned
4418 (99.5%) exact matches, in which:
4397 unique CDR3
13 unique J



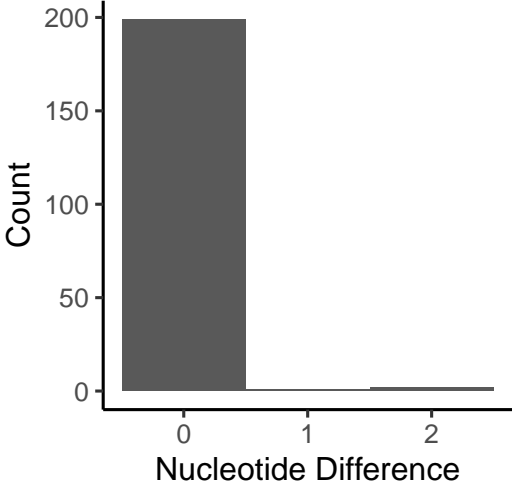
TRBV5-1*ap01

5352 sequences assigned
5324 (99.5%) exact matches, in which:
5307 unique CDR3
13 unique J



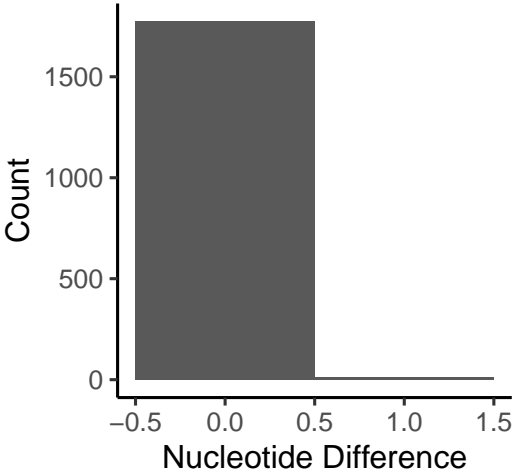
TRBV5-5*ap01

202 sequences assigned
199 (98.5%) exact matches, in which:
198 unique CDR3
13 unique J



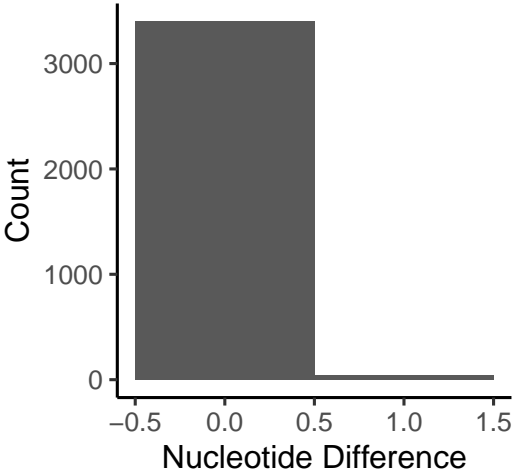
TRBV5-6*ap01

1788 sequences assigned
1774 (99.2%) exact matches, in which:
1767 unique CDR3
13 unique J



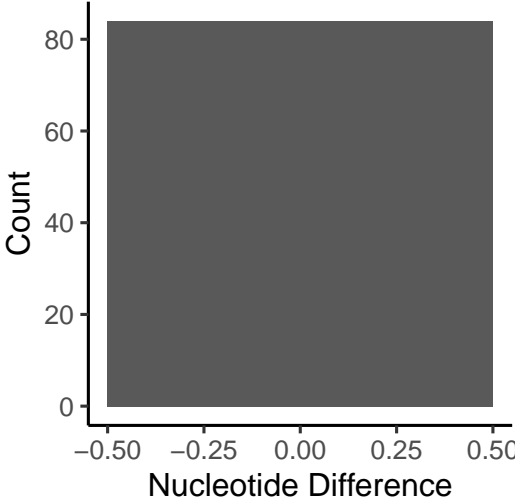
TRBV6-1*ap01

3443 sequences assigned
3400 (98.8%) exact matches, in which:
3391 unique CDR3
13 unique J



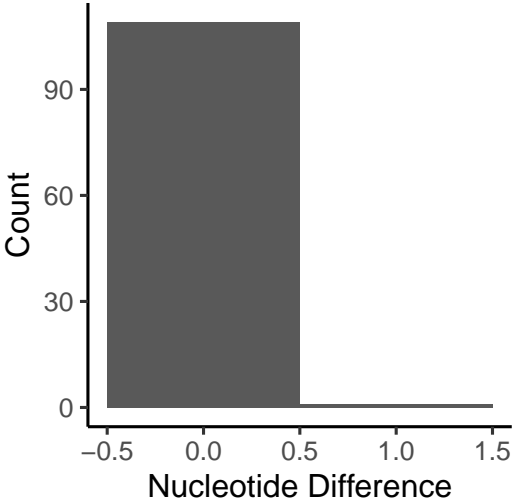
TRBV6-8*ap01

84 sequences assigned
84 (100%) exact matches, in which:
83 unique CDR3
13 unique J



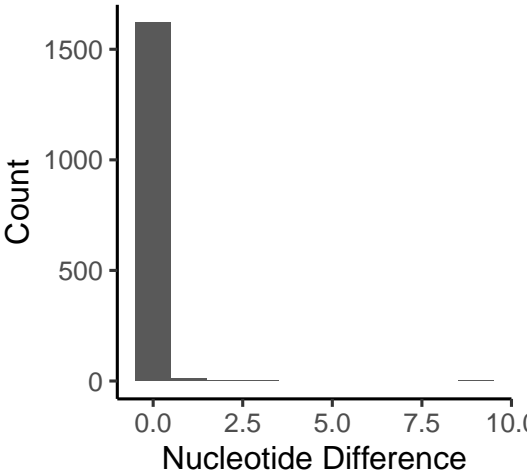
TRBV5-7*ap01

110 sequences assigned
109 (99.1%) exact matches, in which:
109 unique CDR3
12 unique J



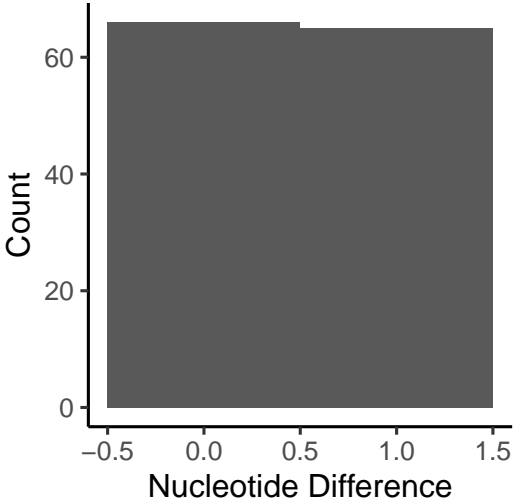
TRBV6-4*ap01

1635 sequences assigned
1620 (99.1%) exact matches, in which:
1618 unique CDR3
13 unique J



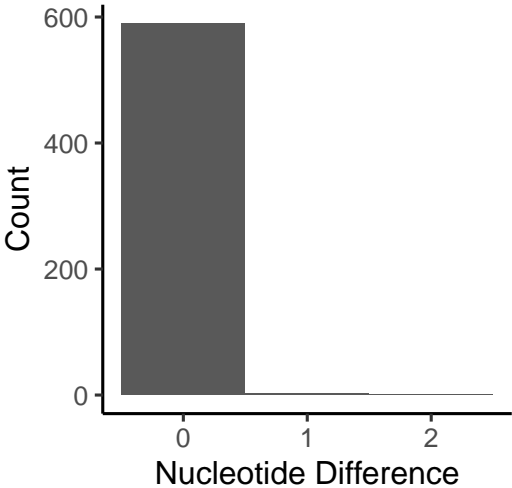
TRBV6-9*ap01

131 sequences assigned
66 (50.4%) exact matches, in which:
66 unique CDR3
13 unique J



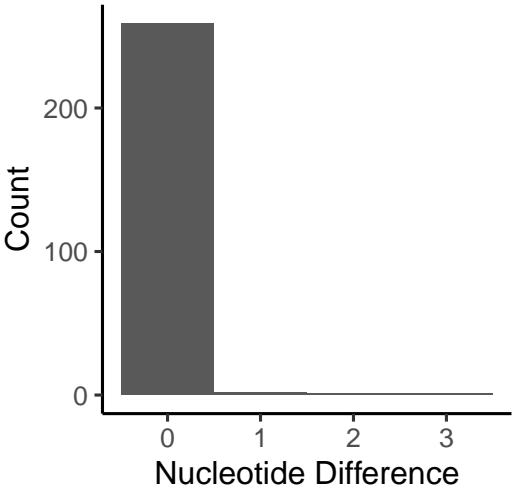
TRBV5-8*ap01

594 sequences assigned
590 (99.3%) exact matches, in which:
588 unique CDR3
13 unique J



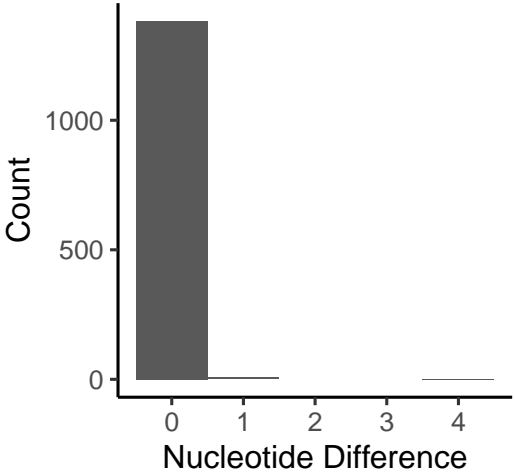
TRBV6-7*ap01

263 sequences assigned
259 (98.5%) exact matches, in which:
259 unique CDR3
13 unique J



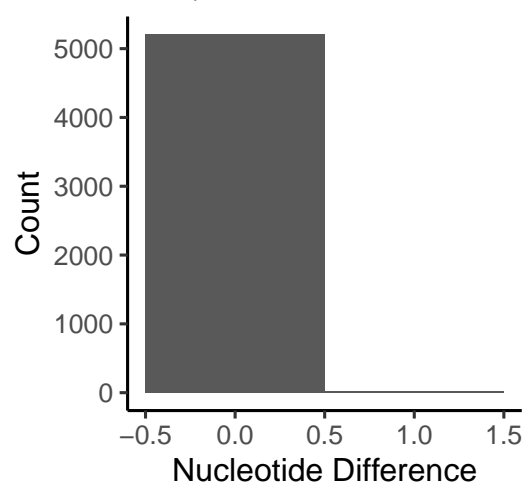
TRBV6-23*ap01

1391 sequences assigned
1383 (99.4%) exact matches, in which:
1383 unique CDR3
13 unique J



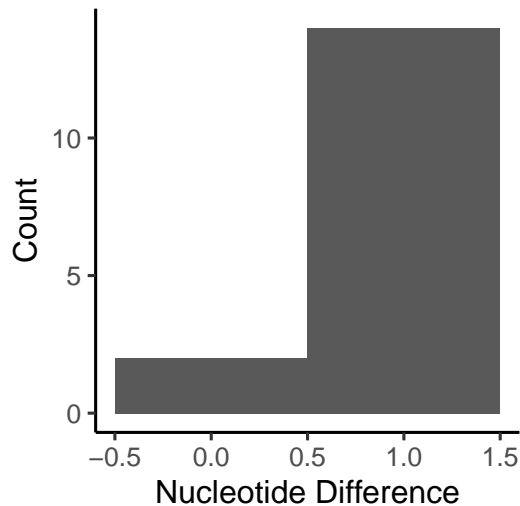
TRBV6-56*ap01

5225 sequences assigned
5207 (99.7%) exact matches, in which:
5185 unique CDR3
13 unique J



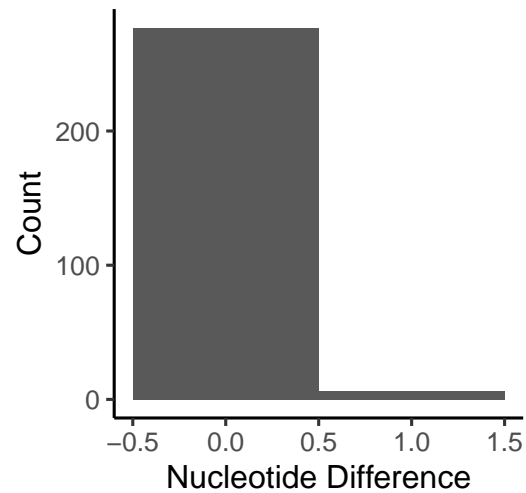
TRBV7-1*ap01_T296C_C

16 sequences assigned
2 (12.5%) exact matches, in which:
2 unique CDR3
2 unique J



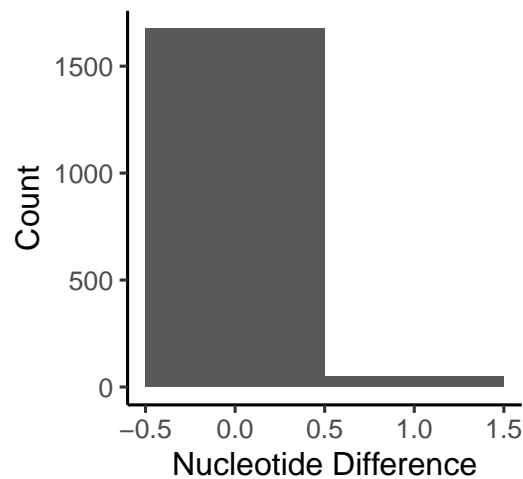
TRBV7-3*ap03

283 sequences assigned
277 (97.9%) exact matches, in which:
275 unique CDR3
12 unique J



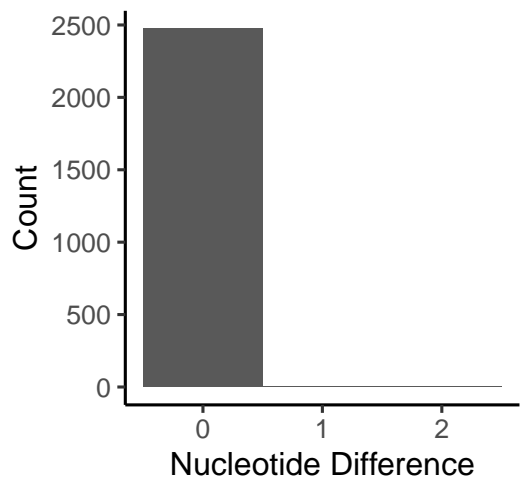
TRBV6-56*ap02

1723 sequences assigned
1675 (97.2%) exact matches, in which:
1670 unique CDR3
13 unique J



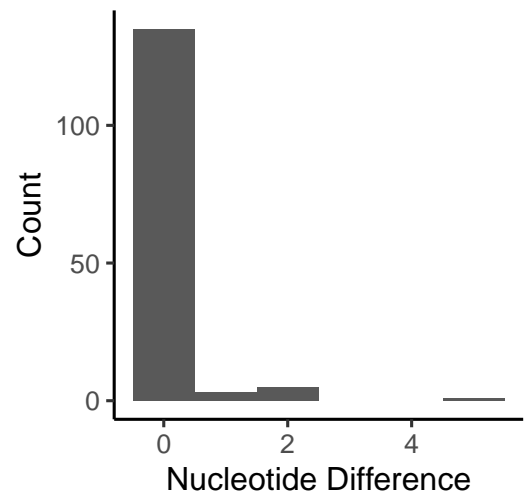
TRBV7-2*ap01

2481 sequences assigned
2474 (99.7%) exact matches, in which:
2469 unique CDR3
13 unique J



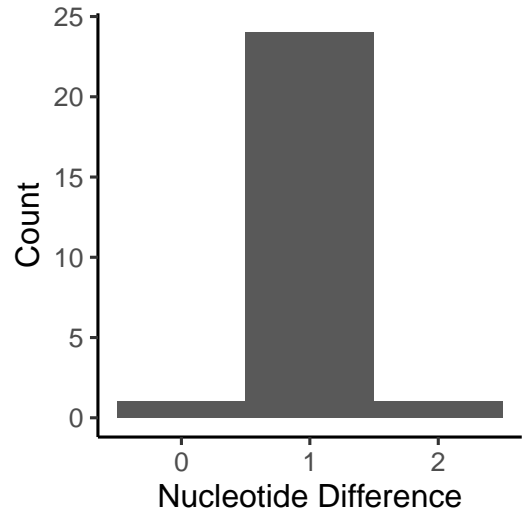
TRBV7-4*ap01

144 sequences assigned
135 (93.8%) exact matches, in which:
135 unique CDR3
13 unique J



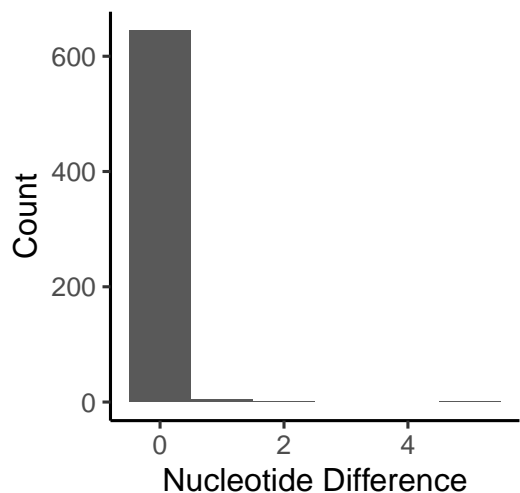
TRBV7-1*ap01_T296C

26 sequences assigned
1 (3.8%) exact matches, in which:
1 unique CDR3
1 unique J



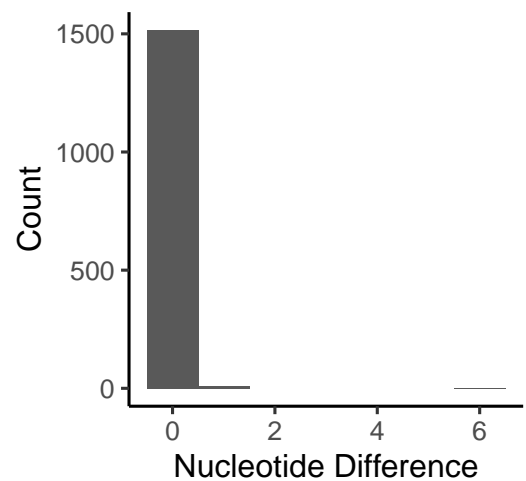
TRBV7-3*ap01

652 sequences assigned
645 (98.9%) exact matches, in which:
643 unique CDR3
13 unique J



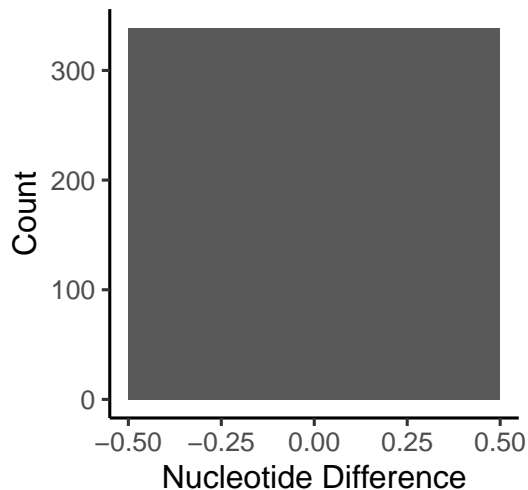
TRBV7-6*ap01

1527 sequences assigned
1516 (99.3%) exact matches, in which:
1513 unique CDR3
13 unique J



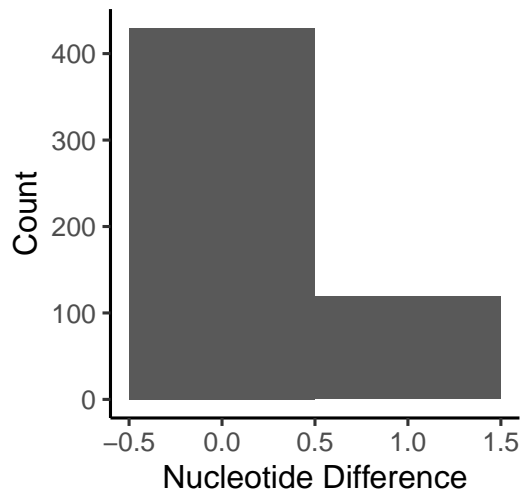
TRBV7-7*ap01

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



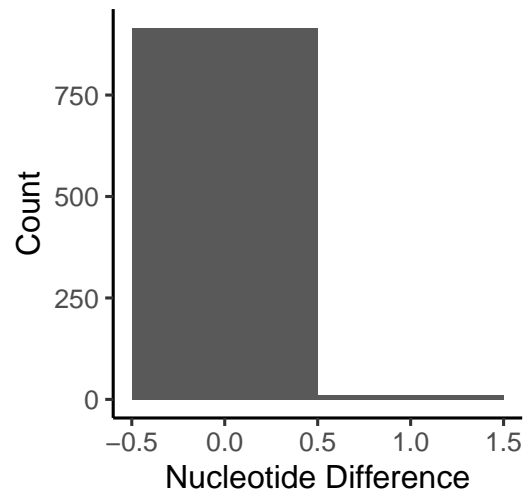
TRBV7-8*ap03

549 sequences assigned
430 (78.3%) exact matches, in which:
429 unique CDR3
13 unique J



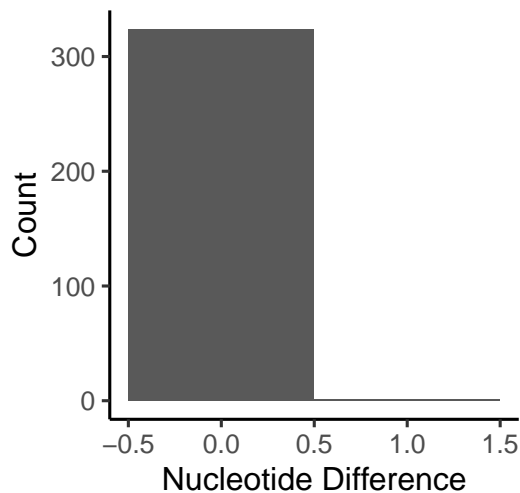
TRBV29-1*ap02

926 sequences assigned
916 (98.9%) exact matches, in which:
908 unique CDR3
13 unique J



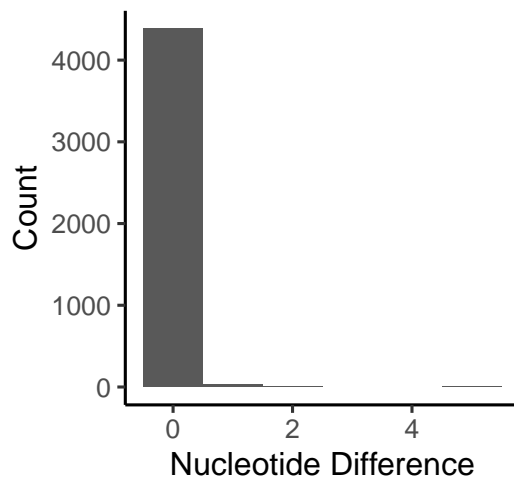
TRBV7-7*ap01_C315T

325 sequences assigned
324 (99.7%) exact matches, in which:
324 unique CDR3
12 unique J



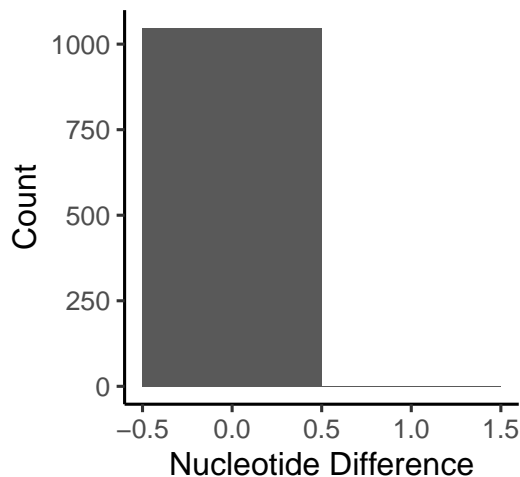
TRBV7-9*ap01

4416 sequences assigned
4384 (99.3%) exact matches, in which:
4374 unique CDR3
13 unique J



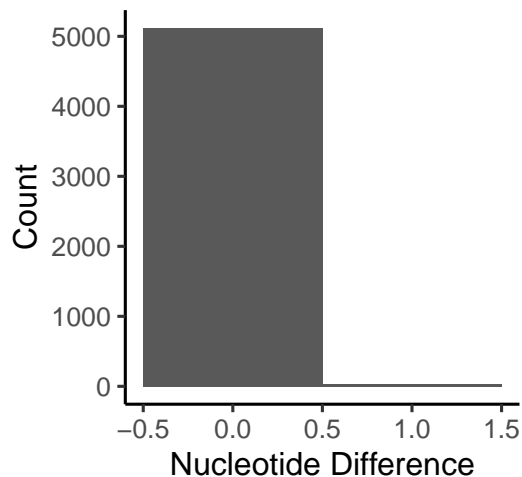
TRBV7-8*ap01

1048 sequences assigned
1047 (99.9%) exact matches, in which:
1042 unique CDR3
13 unique J

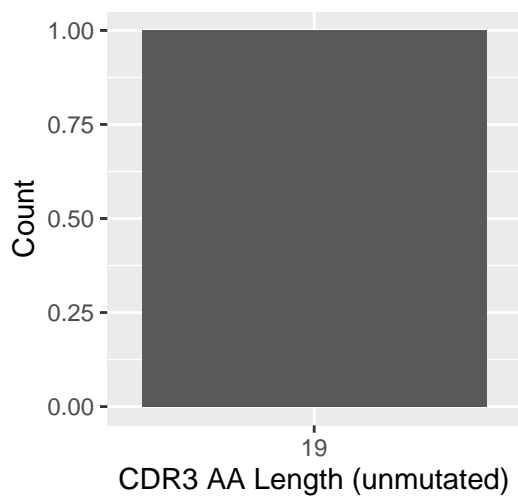


TRBV29-1*ap01

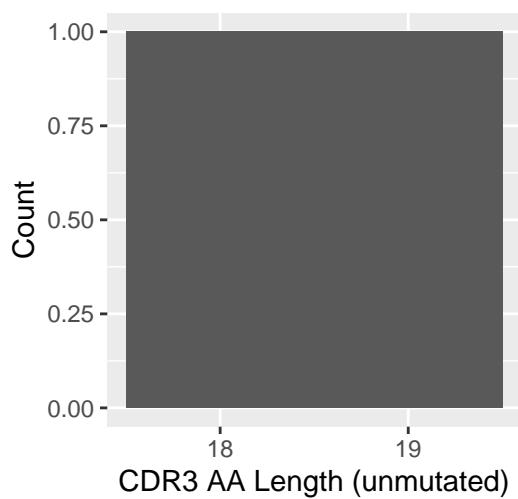
5150 sequences assigned
5118 (99.4%) exact matches, in which:
5071 unique CDR3
13 unique J



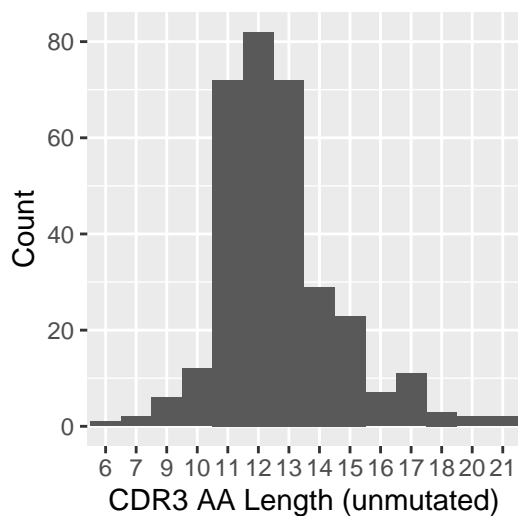
TRBV7-1*ap01_T296C



TRBV7-1*ap01_T296C_C314T



TRBV7-7*ap01_C315T





[illegible]