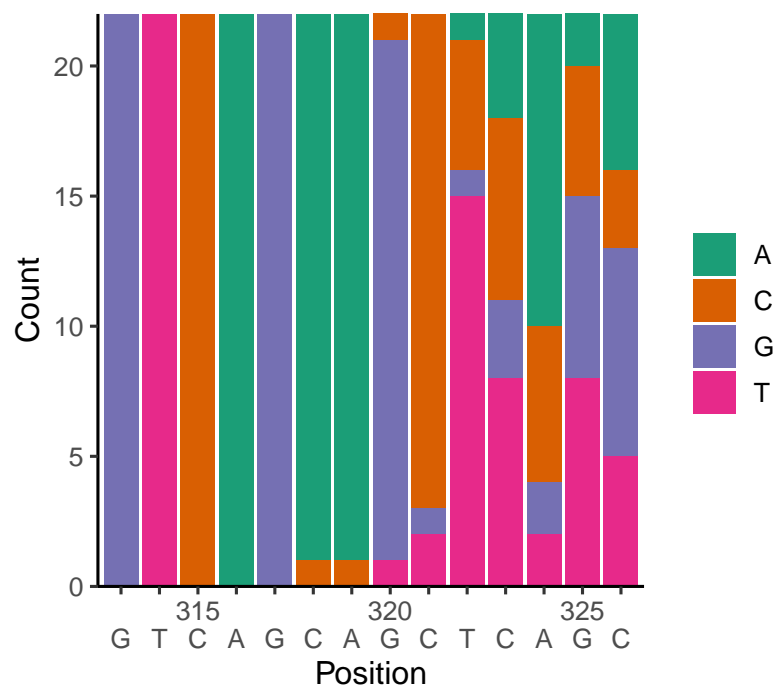
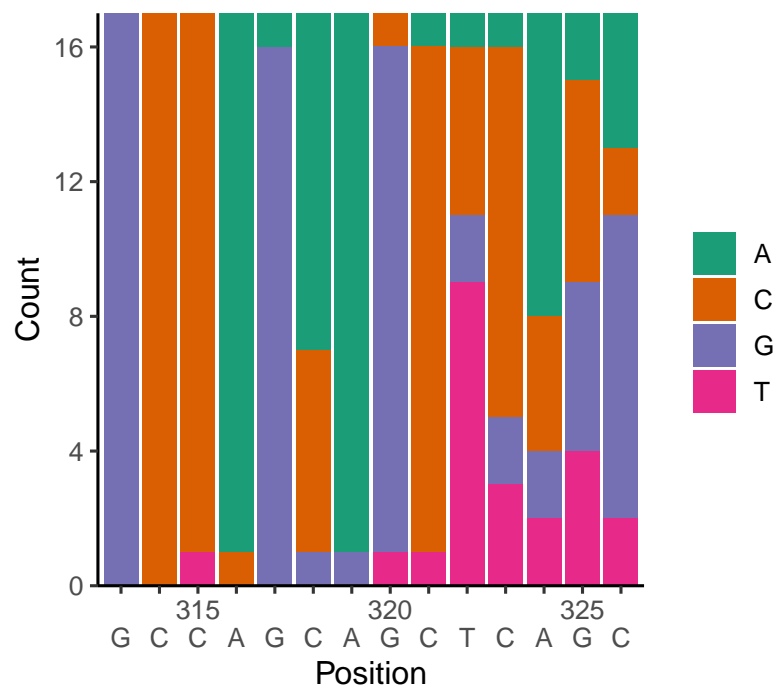


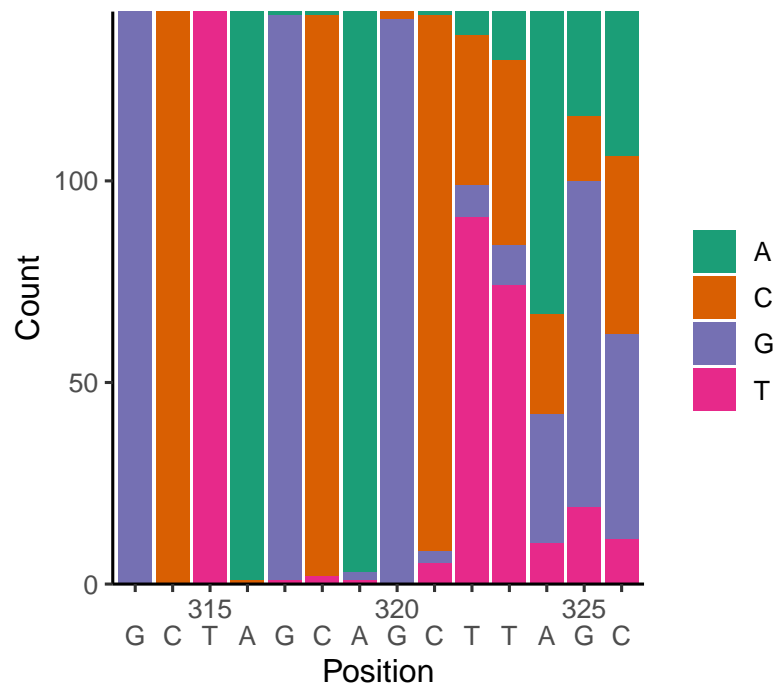
Gene TRBV7-1*ap01_T296C_C314T



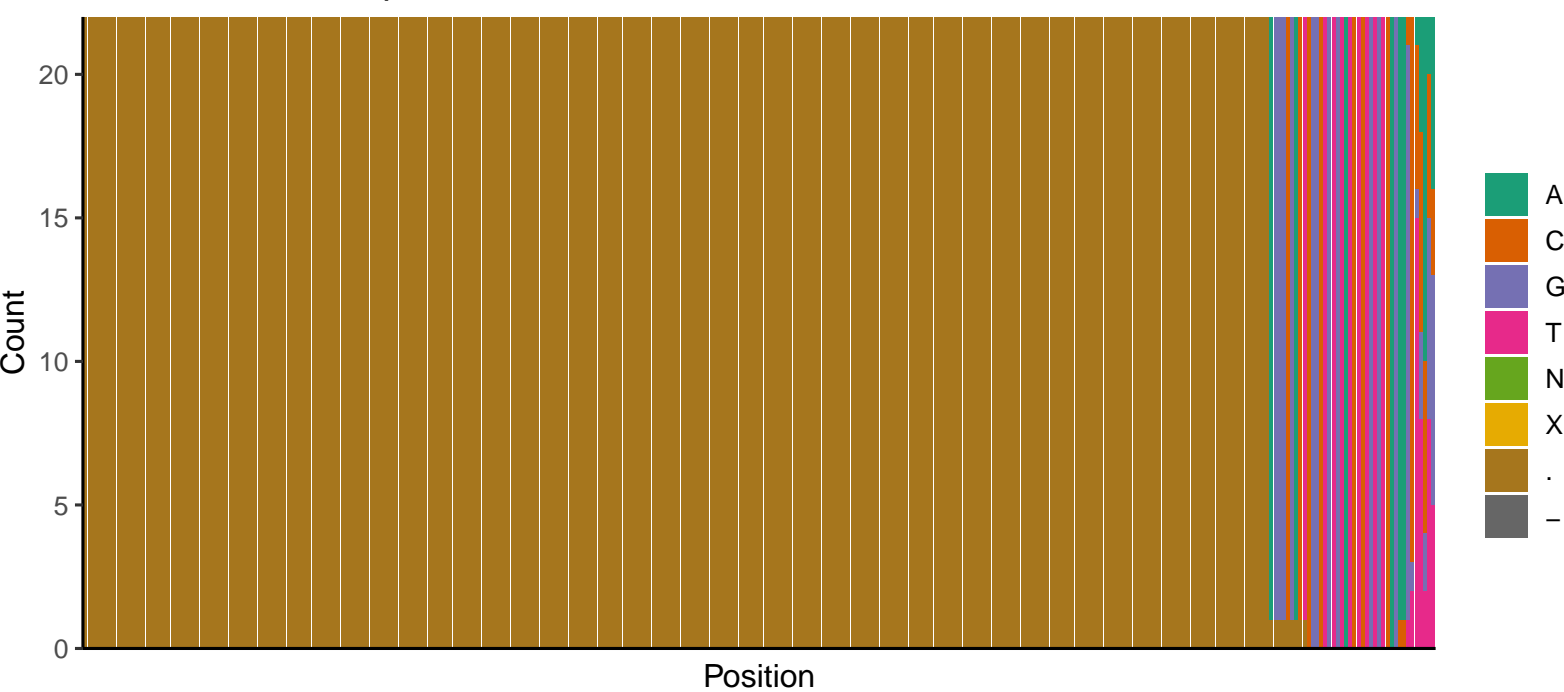
Gene TRBV7-1*ap01_T296C



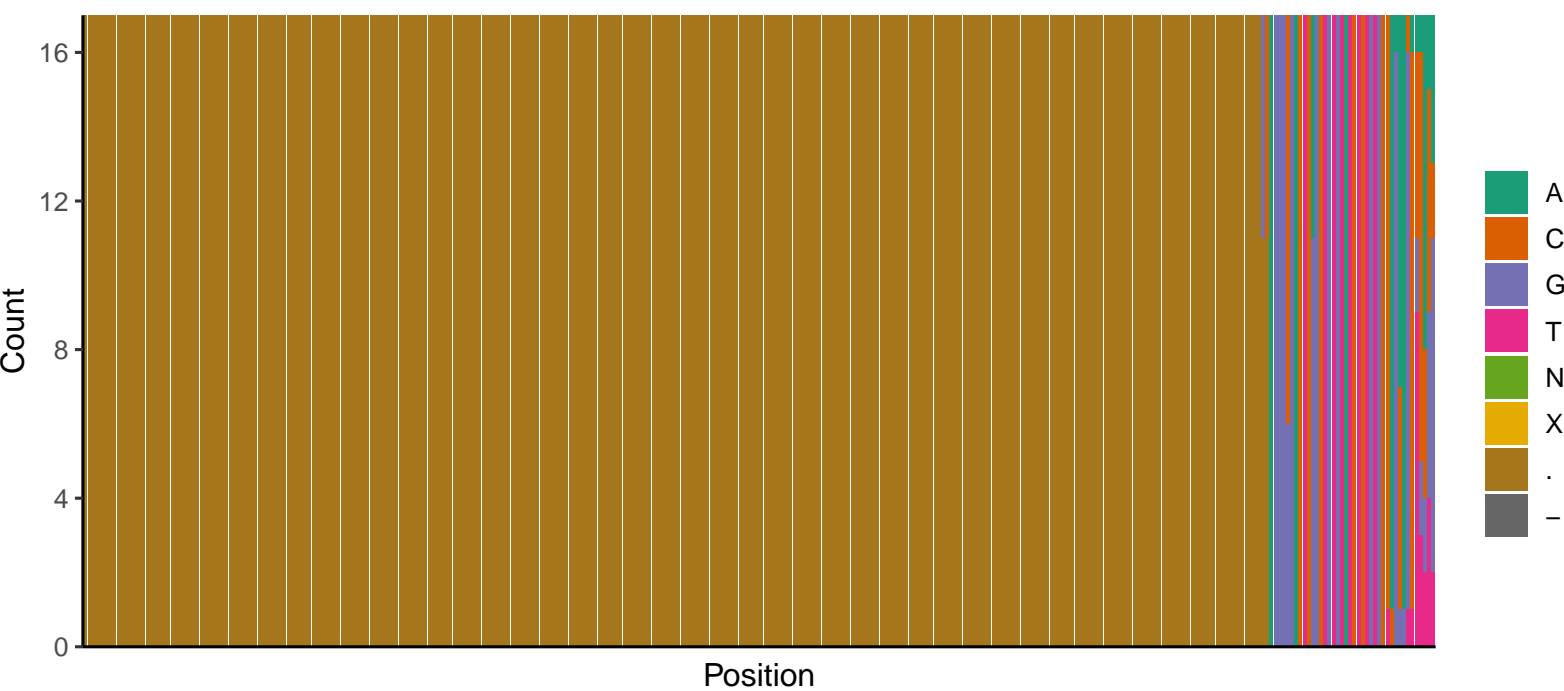
Gene TRBV7-7*ap01_C315T



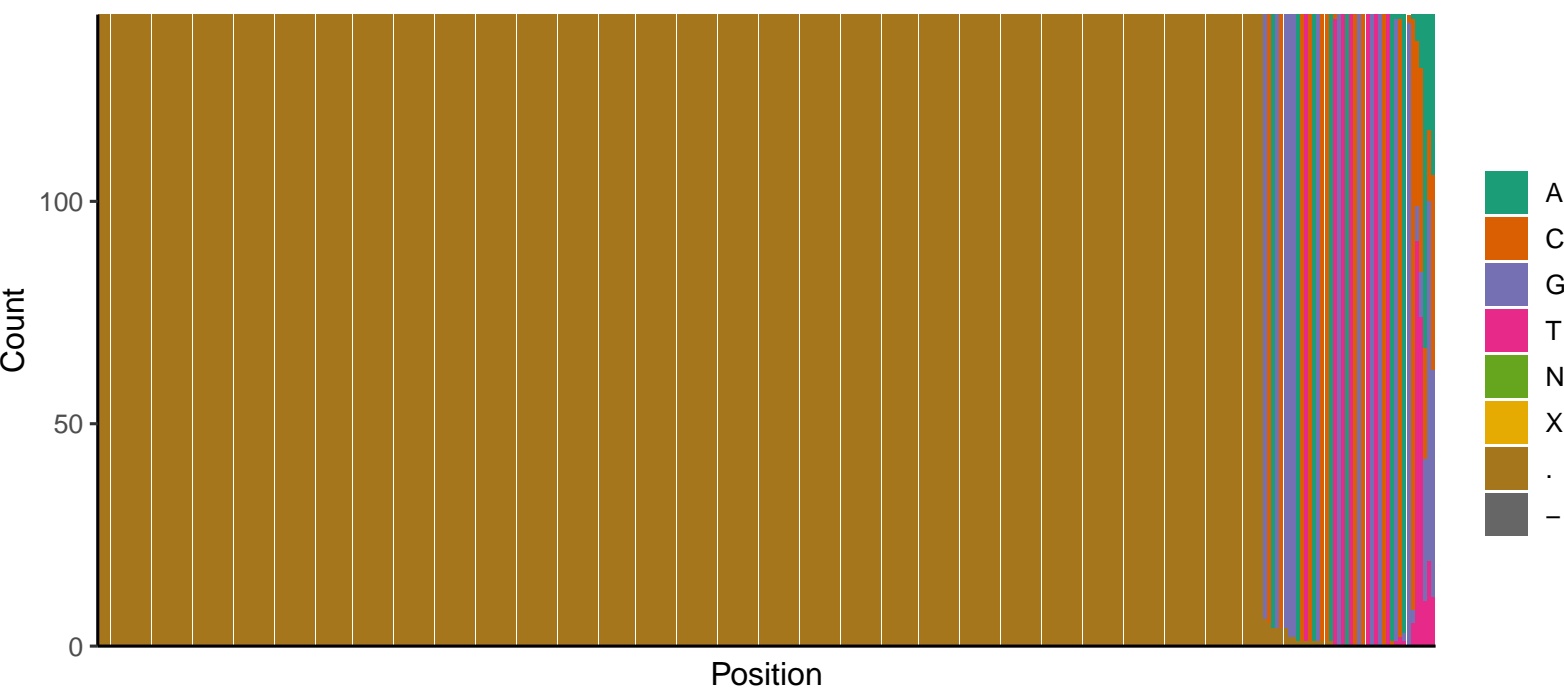
Gene TRBV7-1*ap01_T296C_C314T



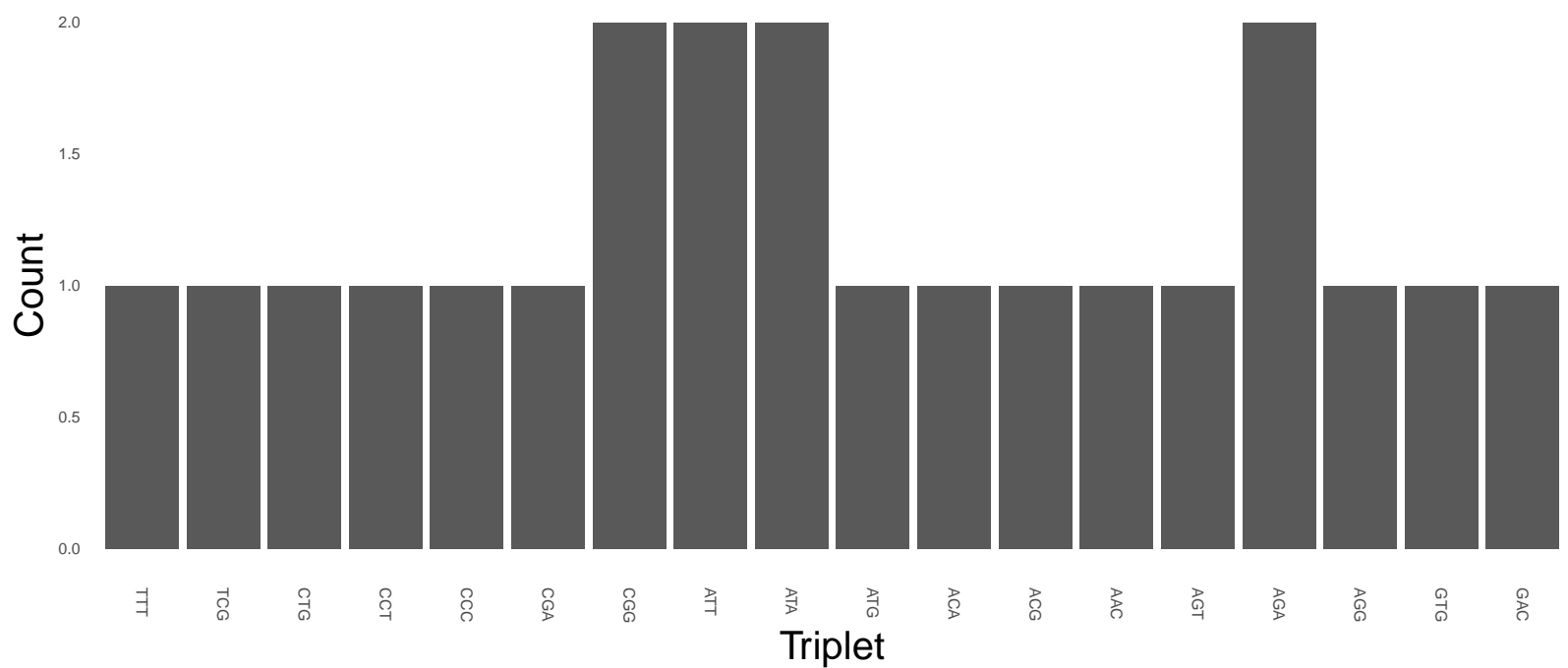
Gene TRBV7-1*ap01_T296C



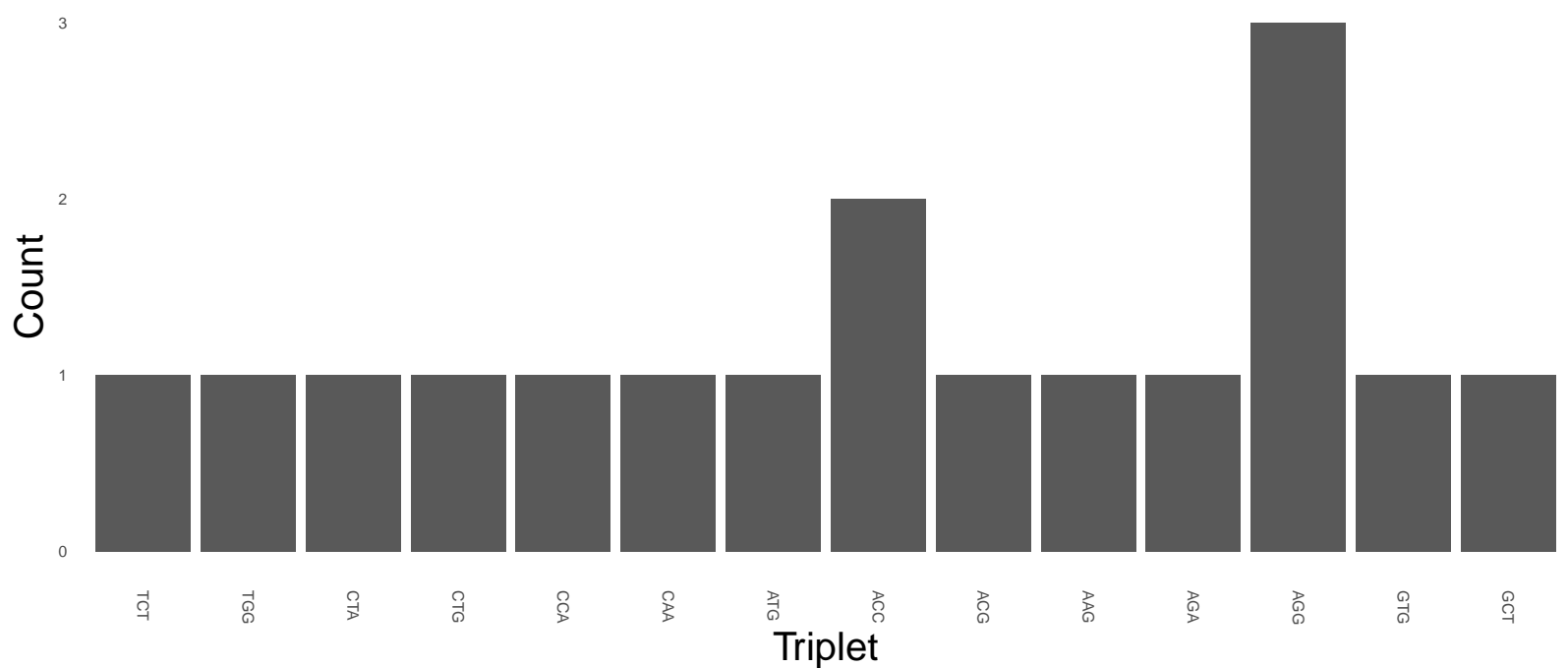
Gene TRBV7-7*ap01_C315T



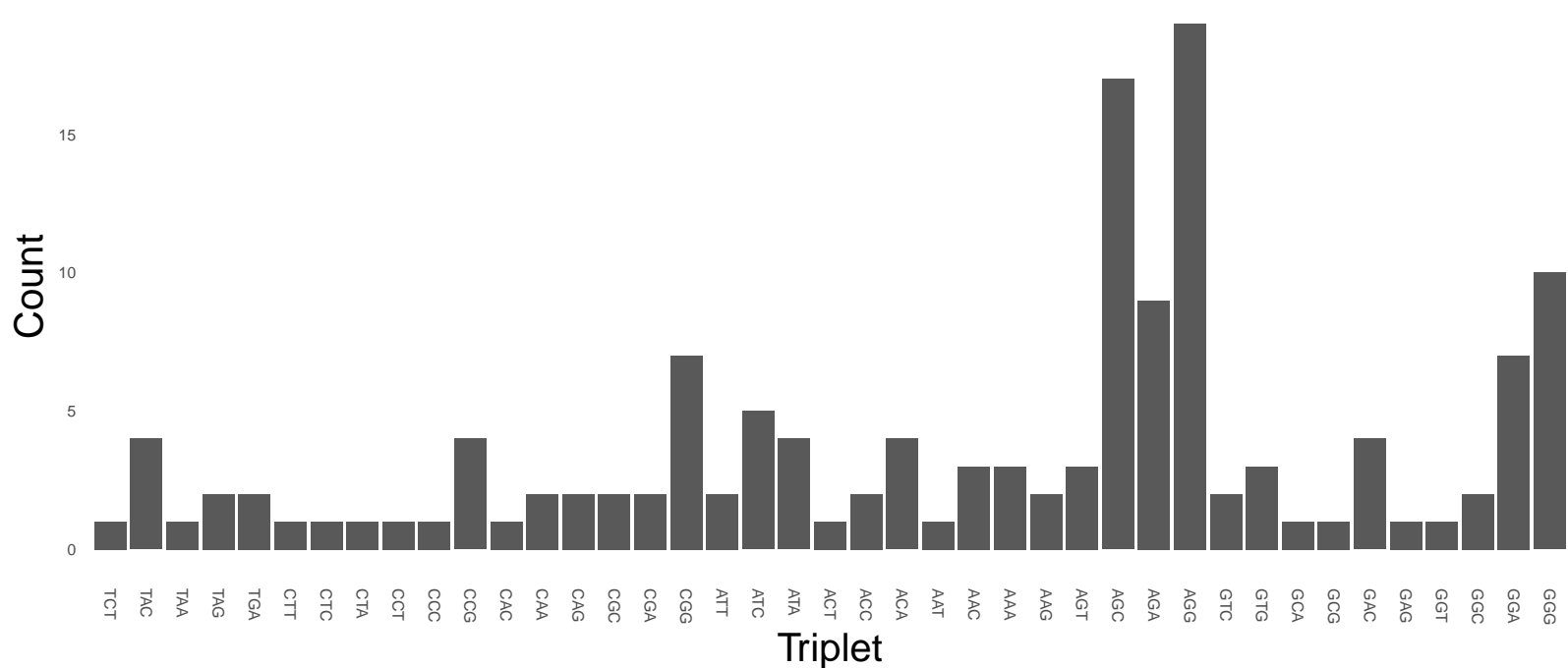
TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet



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

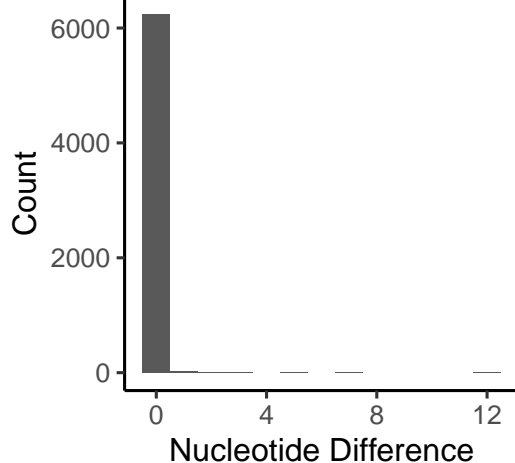


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



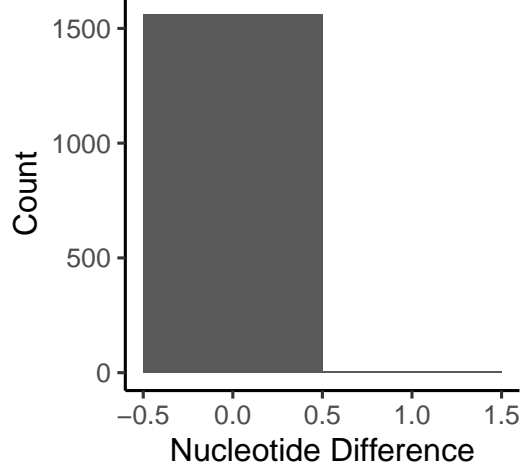
TRBV20-1*ap01

6268 sequences assigned
6237 (99.5%) exact matches, in which:
6218 unique CDR3
13 unique J



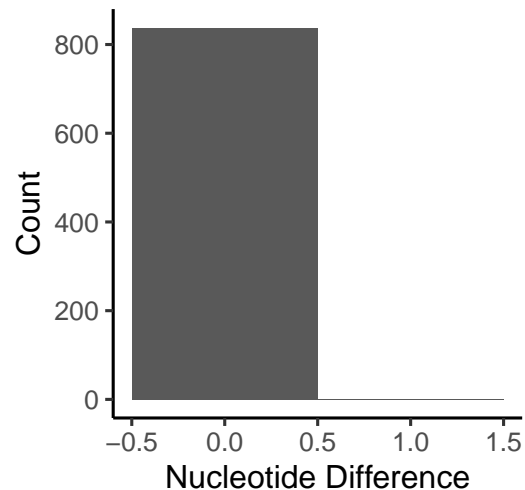
TRBV10-3*ap01

1568 sequences assigned
1561 (99.6%) exact matches, in which:
1559 unique CDR3
13 unique J



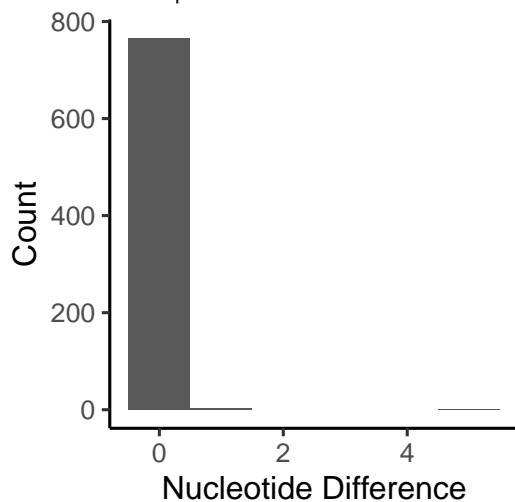
TRBV14*ap01

839 sequences assigned
838 (99.9%) exact matches, in which:
836 unique CDR3
13 unique J



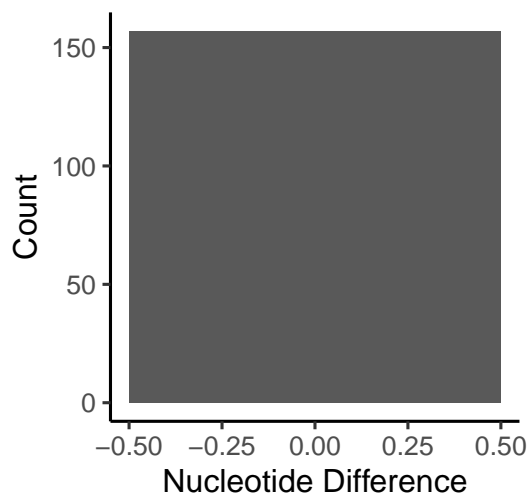
TRBV10-1*ap01

771 sequences assigned
766 (99.4%) exact matches, in which:
764 unique CDR3
13 unique J



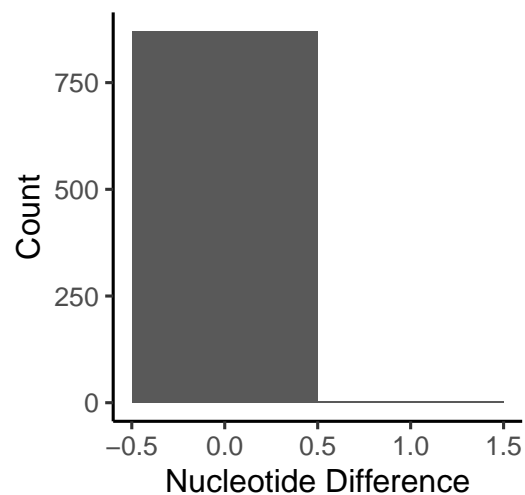
TRBV1*ap01

157 sequences assigned
157 (100%) exact matches, in which:
157 unique CDR3
13 unique J



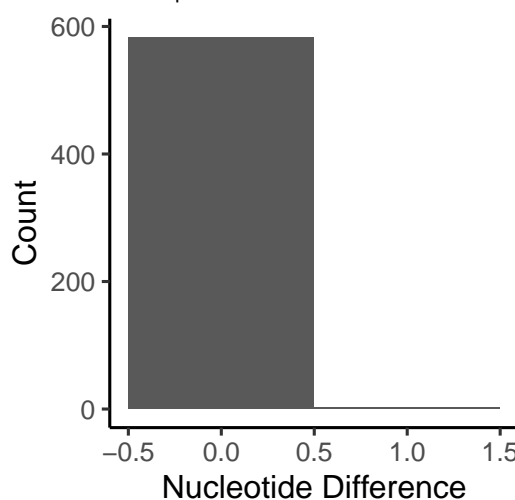
TRBV15*ap02

875 sequences assigned
871 (99.5%) exact matches, in which:
867 unique CDR3
13 unique J



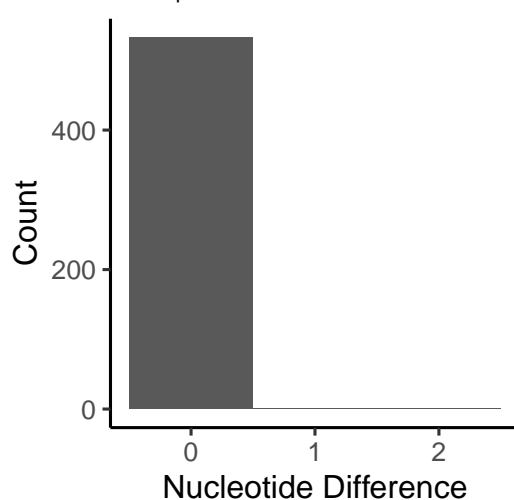
TRBV10-2*ap01

586 sequences assigned
583 (99.5%) exact matches, in which:
582 unique CDR3
13 unique J



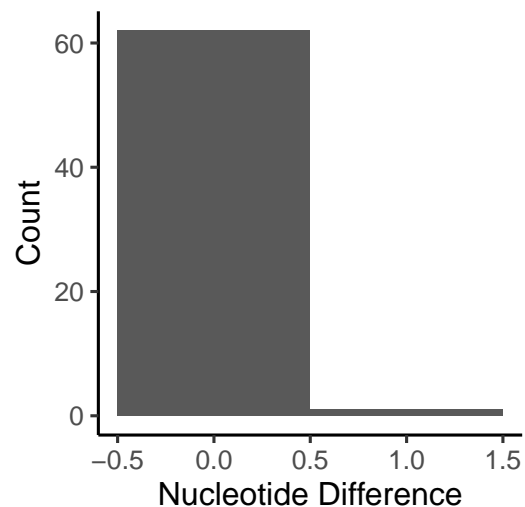
TRBV13*ap01

535 sequences assigned
533 (99.6%) exact matches, in which:
530 unique CDR3
13 unique J



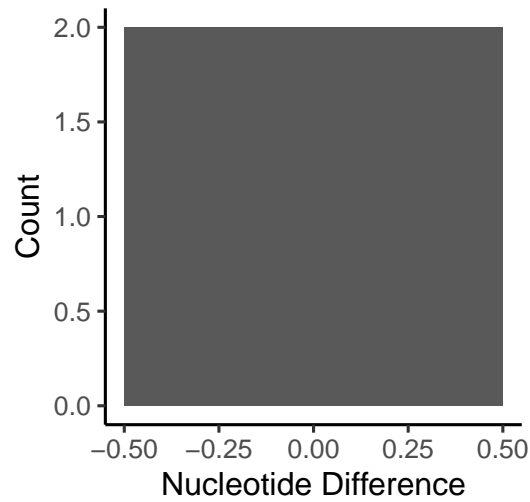
TRBV16*ap01

63 sequences assigned
62 (98.4%) exact matches, in which:
62 unique CDR3
12 unique J



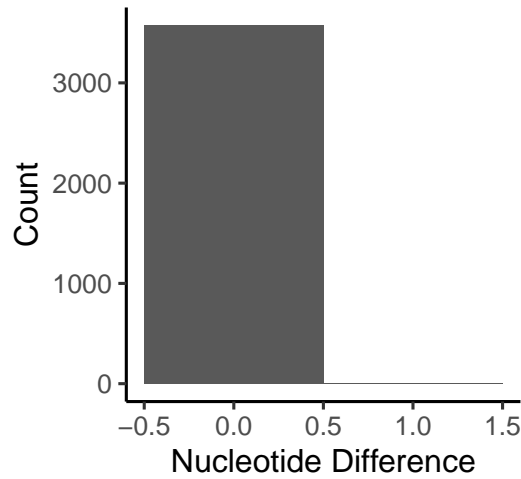
TRBV17*ap01

2 sequences assigned
2 (100%) exact matches, in which:
2 unique CDR3
2 unique J



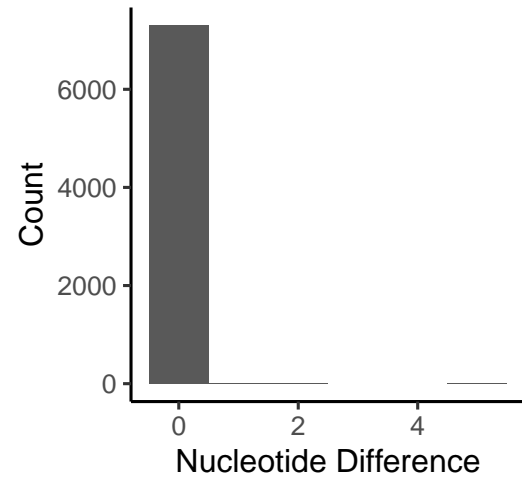
TRBV2*ap01

3580 sequences assigned
3573 (99.8%) exact matches, in which:
3568 unique CDR3
13 unique J



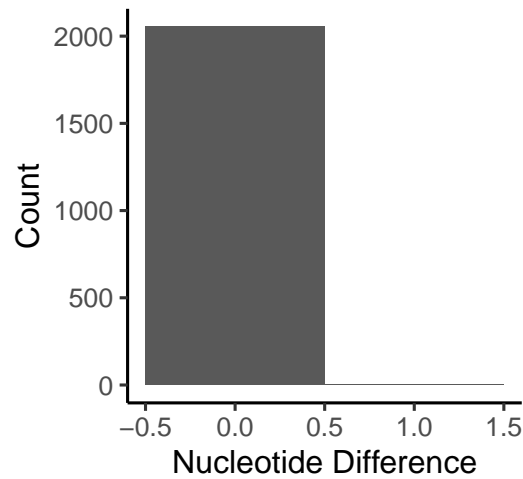
TRBV28*ap01

7323 sequences assigned
7302 (99.7%) exact matches, in which:
7285 unique CDR3
13 unique J



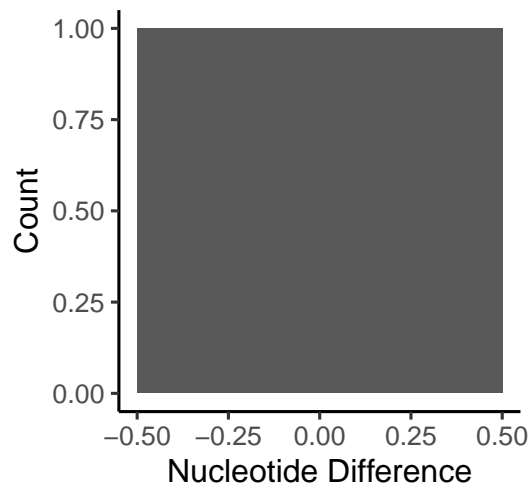
TRBV18*ap01

2056 sequences assigned
2054 (99.9%) exact matches, in which:
2050 unique CDR3
13 unique J



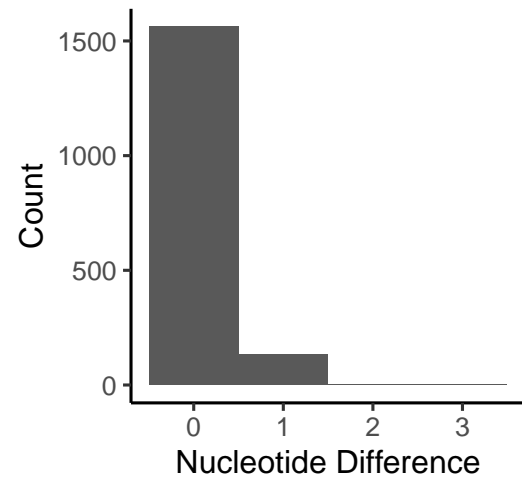
TRBV26*ap01

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



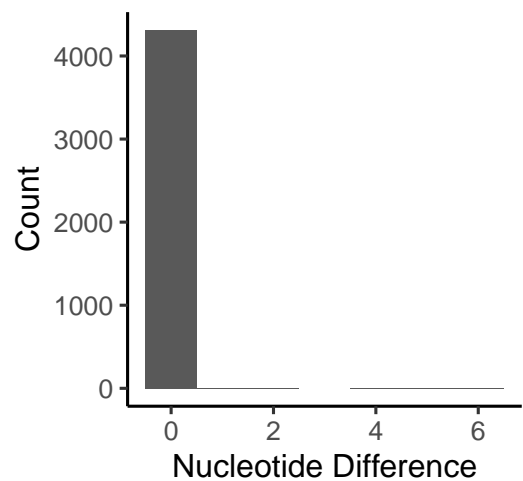
TRBV30*ap01

1698 sequences assigned
1562 (92%) exact matches, in which:
1559 unique CDR3
13 unique J



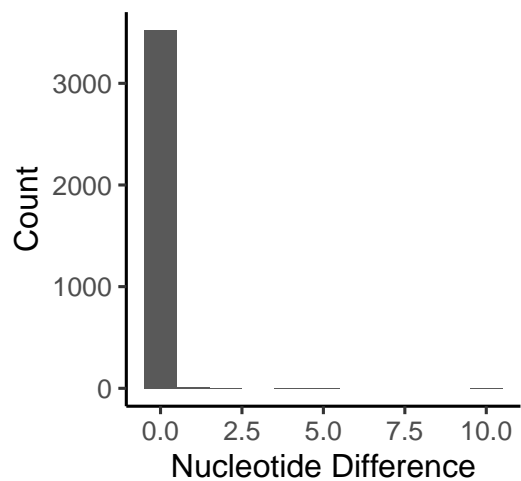
TRBV19*ap01

4324 sequences assigned
4312 (99.7%) exact matches, in which:
4312 unique CDR3
13 unique J



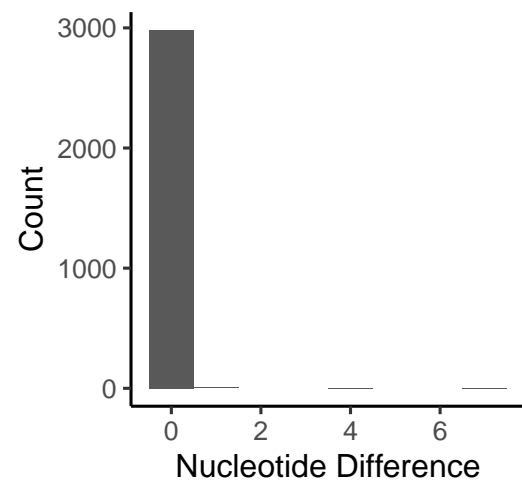
TRBV27*ap01

3543 sequences assigned
3524 (99.5%) exact matches, in which:
3520 unique CDR3
13 unique J



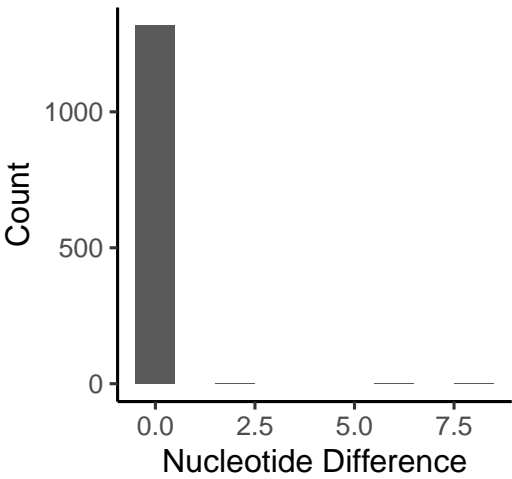
TRBV9*ap01

2993 sequences assigned
2982 (99.6%) exact matches, in which:
2969 unique CDR3
13 unique J



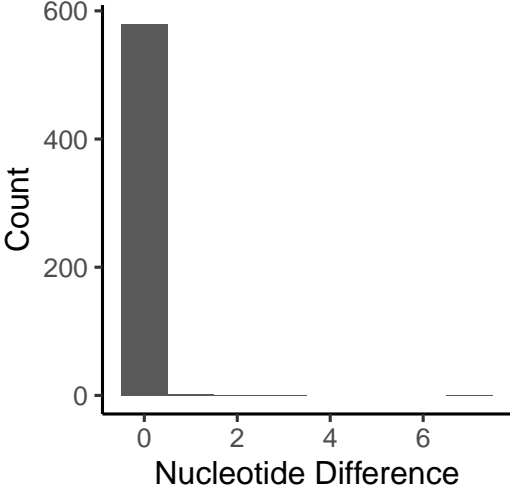
TRBV21-1*ap01

1325 sequences assigned
1318 (99.5%) exact matches, in which:
1317 unique CDR3
13 unique J



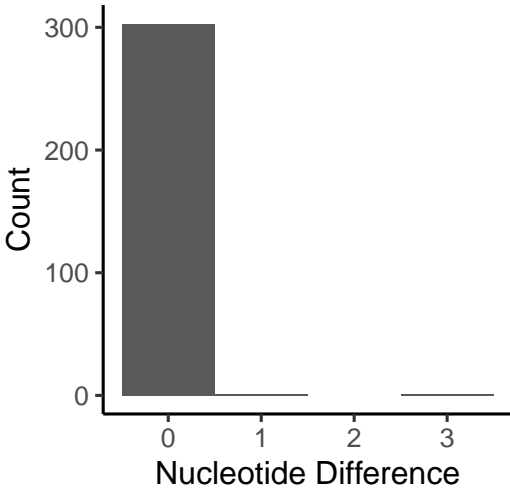
TRBV11-3*ap01

585 sequences assigned
580 (99.1%) exact matches, in which:
579 unique CDR3
13 unique J



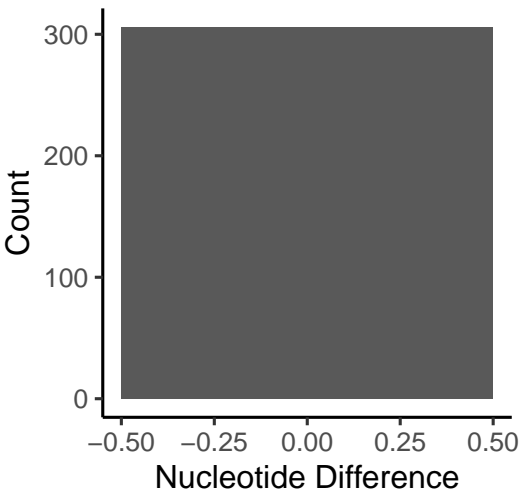
TRBV12-5*ap01

305 sequences assigned
303 (99.3%) exact matches, in which:
303 unique CDR3
13 unique J



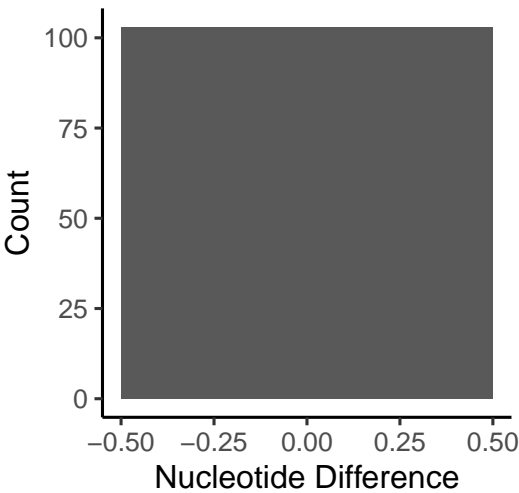
TRBV11-1*ap01

306 sequences assigned
306 (100%) exact matches, in which:
306 unique CDR3
13 unique J



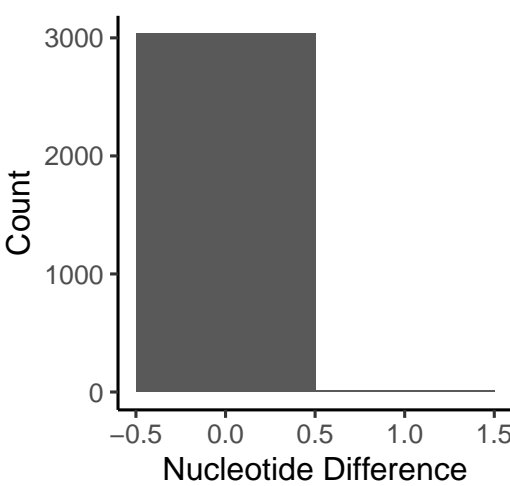
TRBV12-1*ap01

103 sequences assigned
103 (100%) exact matches, in which:
103 unique CDR3
13 unique J



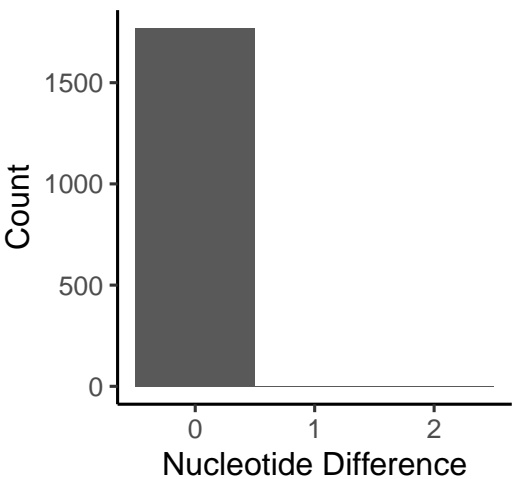
TRBV12-34*ap01

3047 sequences assigned
3035 (99.6%) exact matches, in which:
3029 unique CDR3
13 unique J



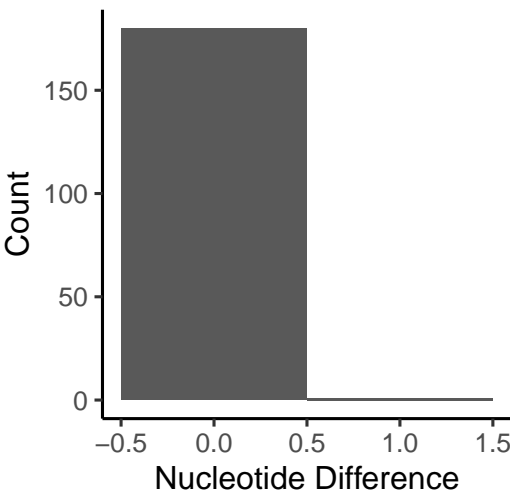
TRBV11-2*ap01

1773 sequences assigned
1770 (99.8%) exact matches, in which:
1767 unique CDR3
13 unique J



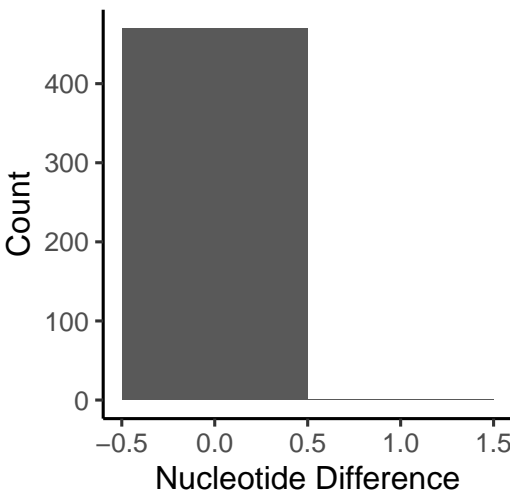
TRBV12-2*ap01

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



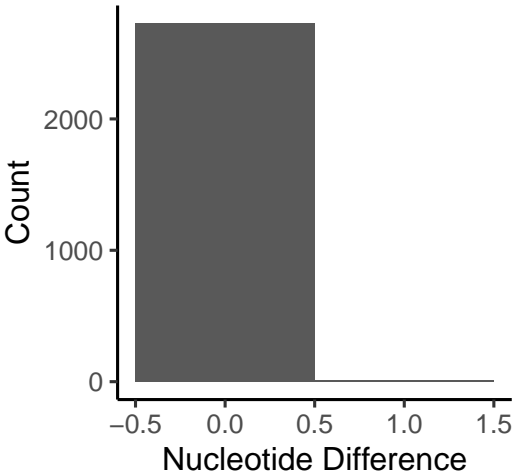
TRBV23-1*ap01

471 sequences assigned
470 (99.8%) exact matches, in which:
468 unique CDR3
13 unique J



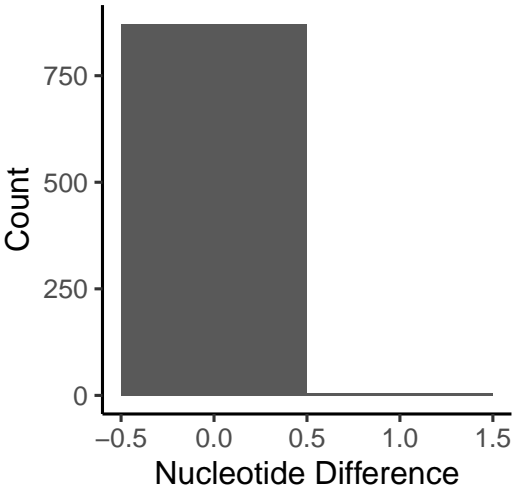
TRBV3-12*ap01

2739 sequences assigned
2727 (99.6%) exact matches, in which:
2727 unique CDR3
13 unique J



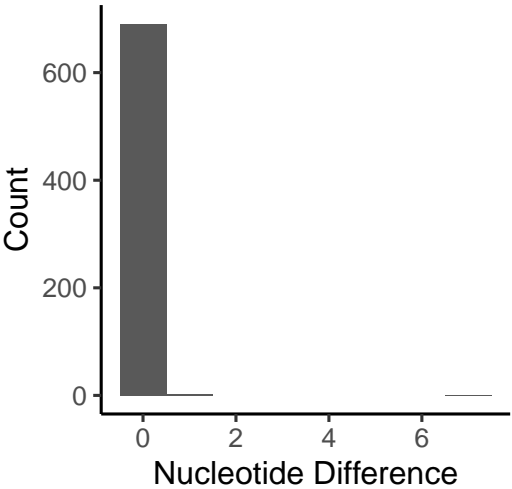
TRBV4-2*ap01

877 sequences assigned
872 (99.4%) exact matches, in which:
868 unique CDR3
13 unique J



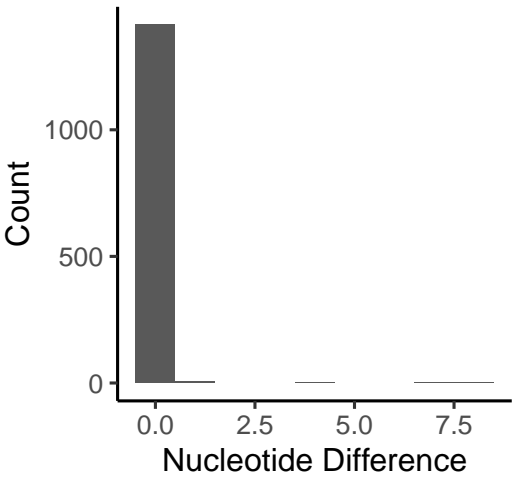
TRBV25-1*ap01

695 sequences assigned
691 (99.4%) exact matches, in which:
690 unique CDR3
13 unique J



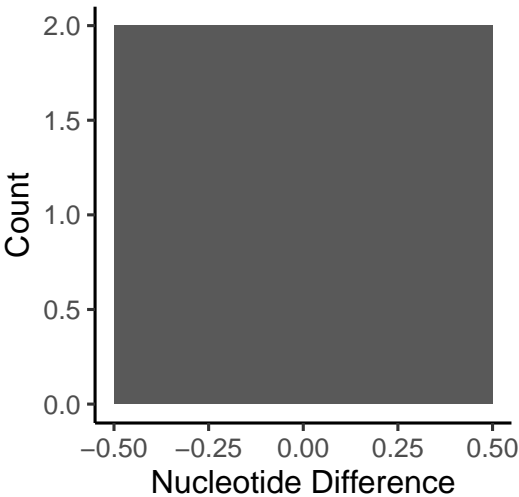
TRBV24-1*ap01

1426 sequences assigned
1415 (99.2%) exact matches, in which:
1415 unique CDR3
13 unique J



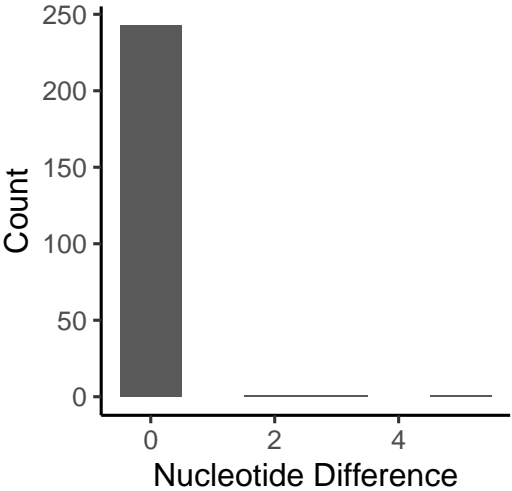
TRBV4-3*ap01

2 sequences assigned
2 (100%) exact matches, in which:
2 unique CDR3
2 unique J



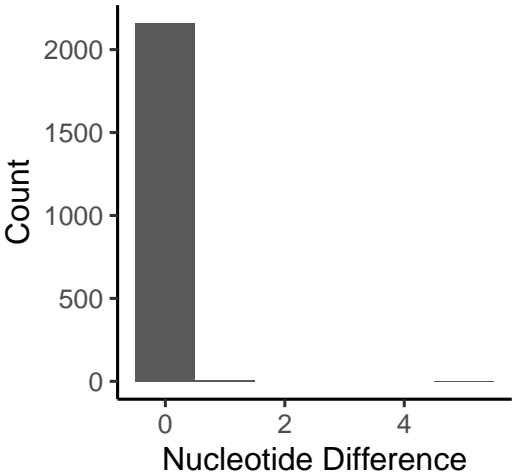
TRBV5-3*ap01

246 sequences assigned
243 (98.8%) exact matches, in which:
242 unique CDR3
13 unique J



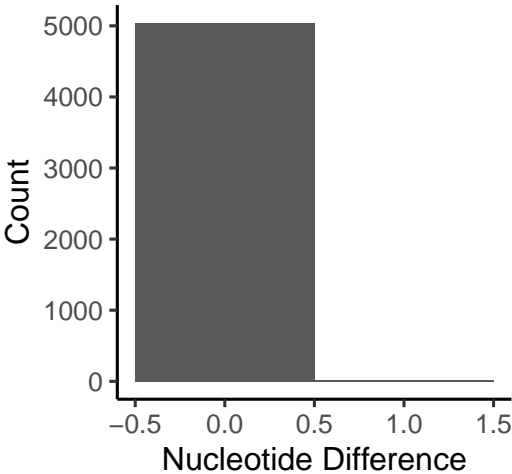
TRBV4-1*ap01

2169 sequences assigned
2160 (99.6%) exact matches, in which:
2155 unique CDR3
13 unique J



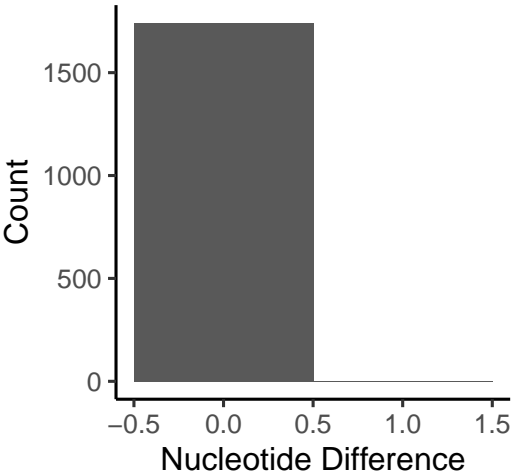
TRBV5-1*ap01

5057 sequences assigned
5039 (99.6%) exact matches, in which:
5002 unique CDR3
13 unique J



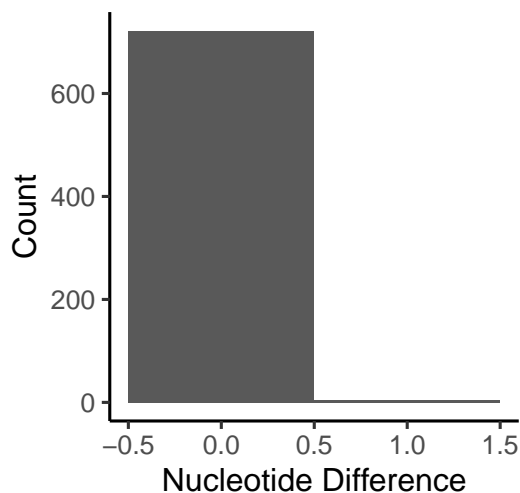
TRBV5-4*ap01

1743 sequences assigned
1741 (99.9%) exact matches, in which:
1735 unique CDR3
13 unique J



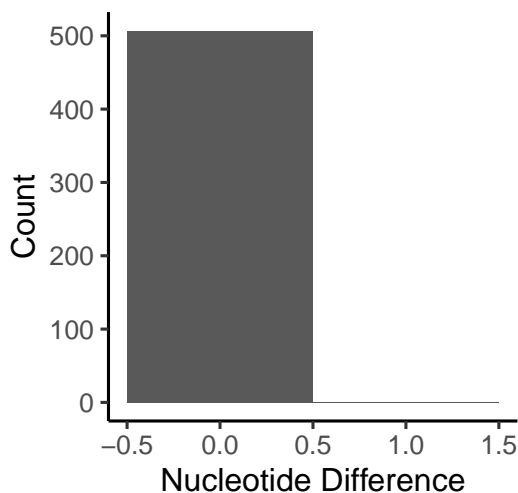
TRBV5-5*ap01

726 sequences assigned
722 (99.4%) exact matches, in which:
721 unique CDR3
13 unique J



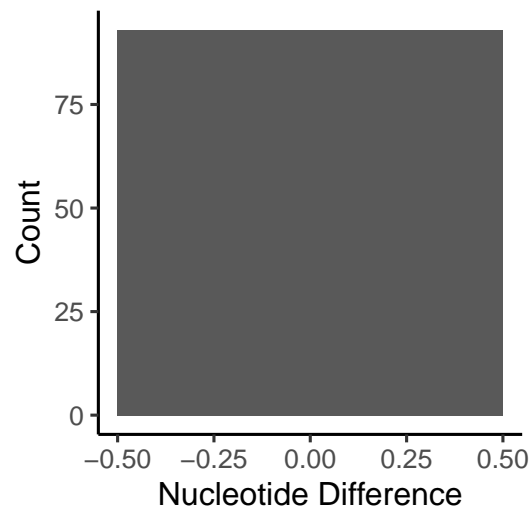
TRBV5-8*ap01

508 sequences assigned
507 (99.8%) exact matches, in which:
507 unique CDR3
13 unique J



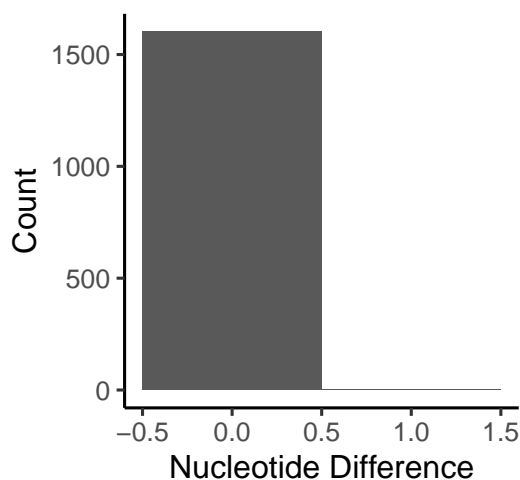
TRBV6-7*ap01

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



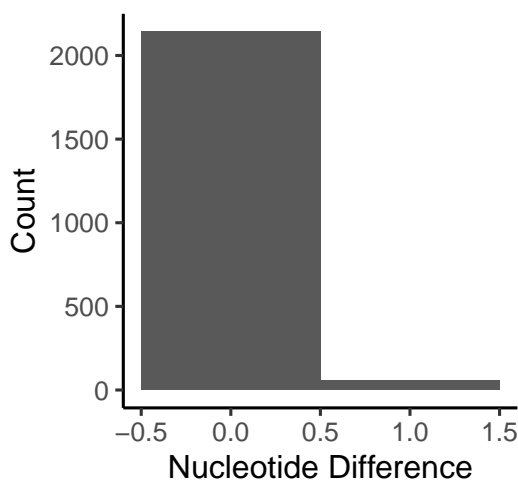
TRBV5-6*ap01

1605 sequences assigned
1602 (99.8%) exact matches, in which:
1598 unique CDR3
13 unique J



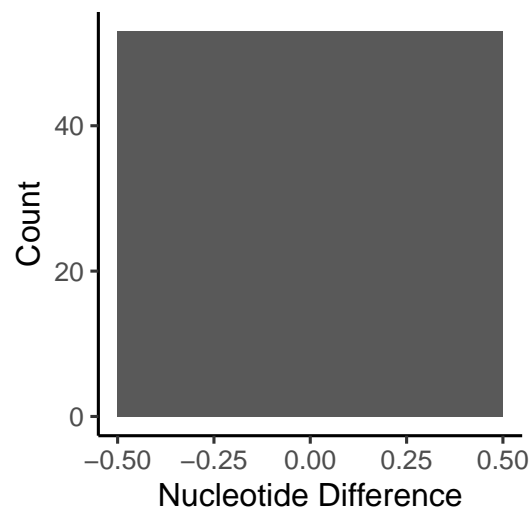
TRBV6-1*ap01

2201 sequences assigned
2142 (97.3%) exact matches, in which:
2138 unique CDR3
13 unique J



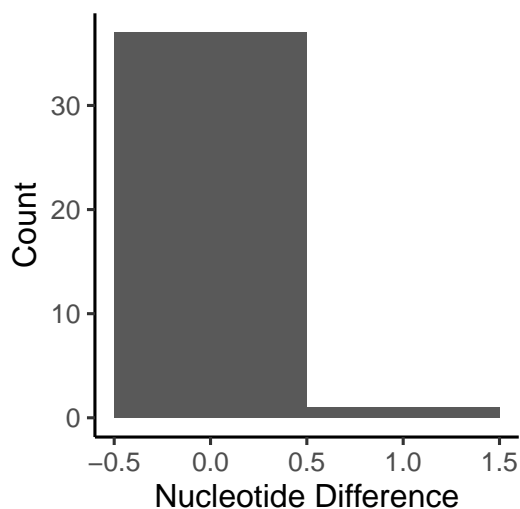
TRBV6-8*ap01

53 sequences assigned
53 (100%) exact matches, in which:
52 unique CDR3
11 unique J



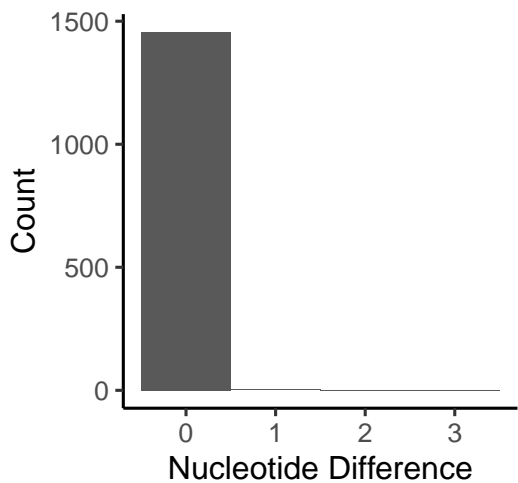
TRBV5-7*ap01

38 sequences assigned
37 (97.4%) exact matches, in which:
36 unique CDR3
12 unique J



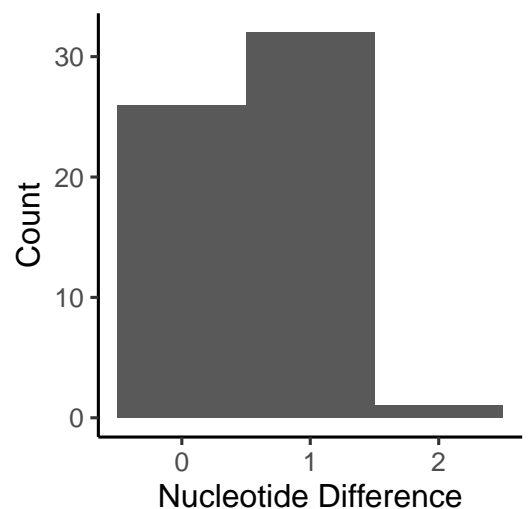
TRBV6-4*ap01

1461 sequences assigned
1456 (99.7%) exact matches, in which:
1454 unique CDR3
13 unique J



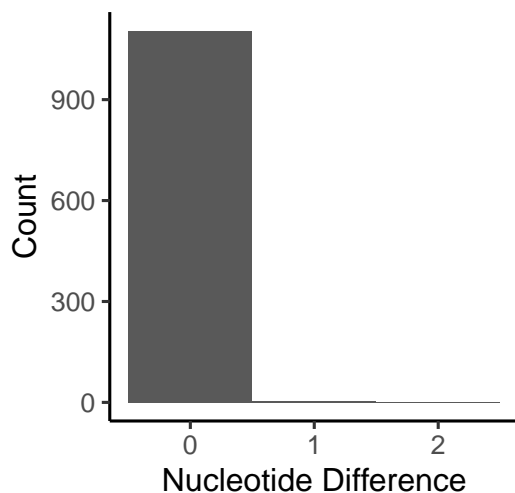
TRBV6-9*ap01

59 sequences assigned
26 (44.1%) exact matches, in which:
26 unique CDR3
11 unique J



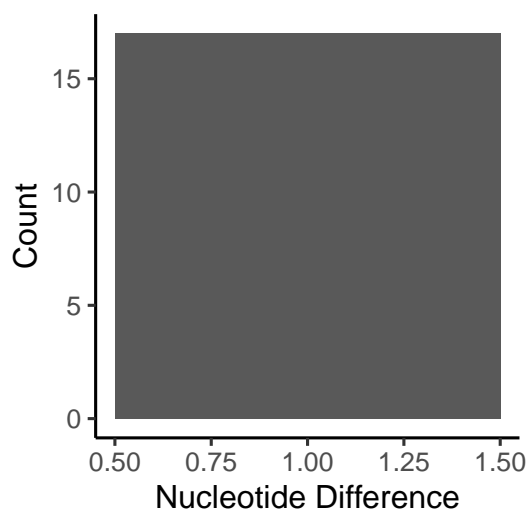
TRBV6–23*ap01

1110 sequences assigned
1105 (99.5%) exact matches, in which:
1102 unique CDR3
13 unique J



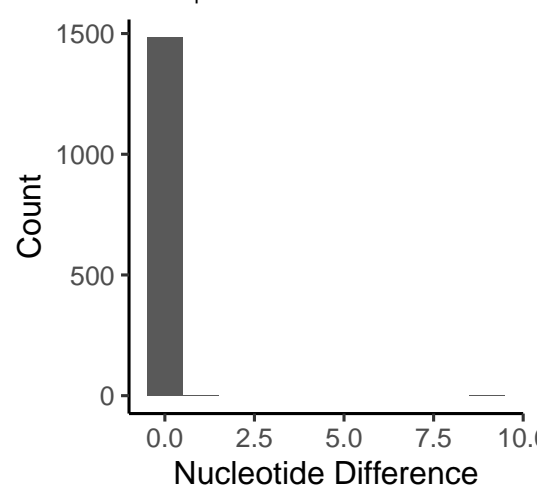
TRBV7–1*ap01_T296C

17 sequences assigned
No exact matches.



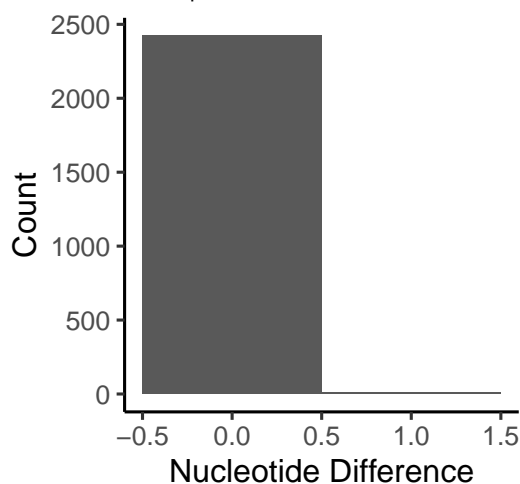
TRBV7–3*ap01

1488 sequences assigned
1484 (99.7%) exact matches, in which:
1477 unique CDR3
13 unique J



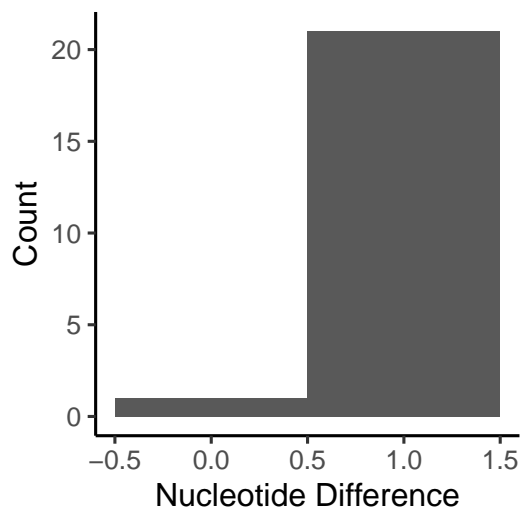
TRBV6–56*ap01

2434 sequences assigned
2423 (99.5%) exact matches, in which:
2418 unique CDR3
13 unique J



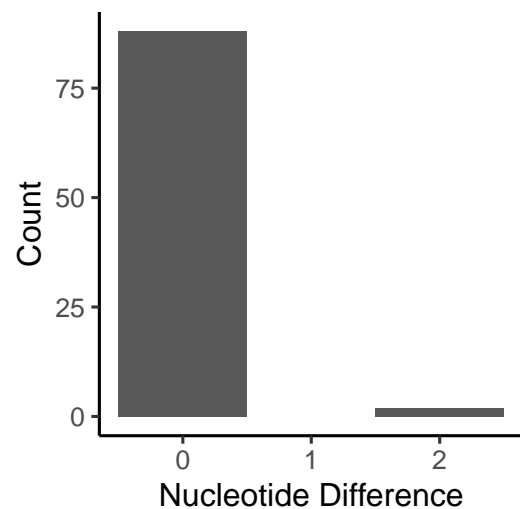
TRBV7–1*ap01_T296C_C

22 sequences assigned
1 (4.5%) exact matches, in which:
1 unique CDR3
1 unique J



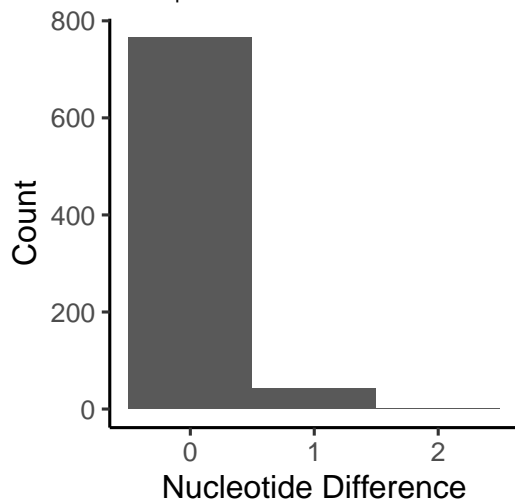
TRBV7–4*ap01

90 sequences assigned
88 (97.8%) exact matches, in which:
88 unique CDR3
12 unique J



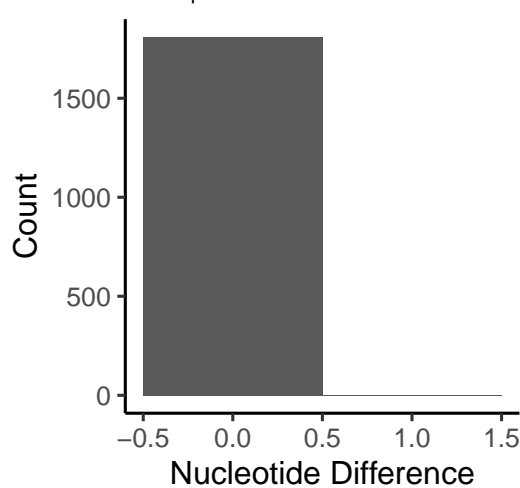
TRBV6–56*ap02

809 sequences assigned
766 (94.7%) exact matches, in which:
765 unique CDR3
13 unique J



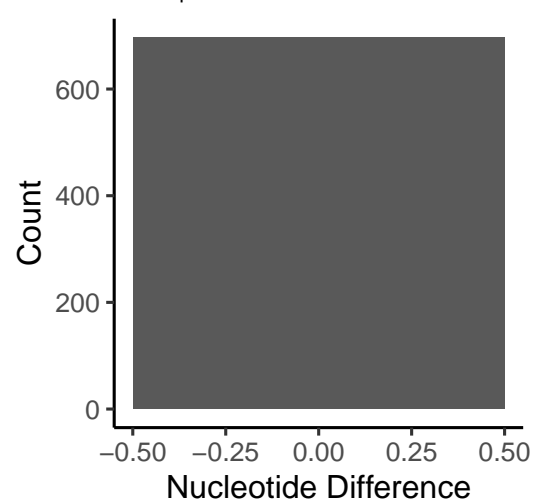
TRBV7–2*ap01

1811 sequences assigned
1809 (99.9%) exact matches, in which:
1802 unique CDR3
13 unique J



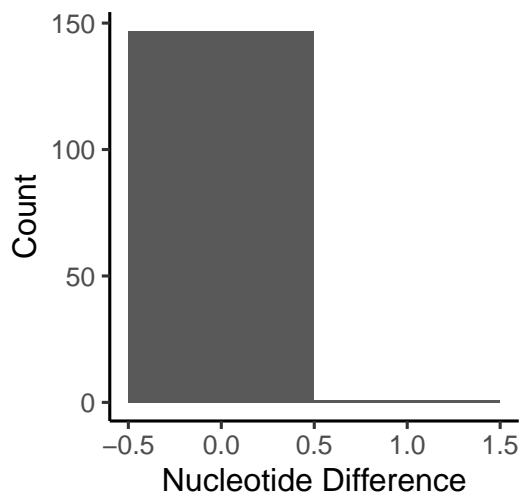
TRBV7–6*ap01

697 sequences assigned
697 (100%) exact matches, in which:
691 unique CDR3
13 unique J



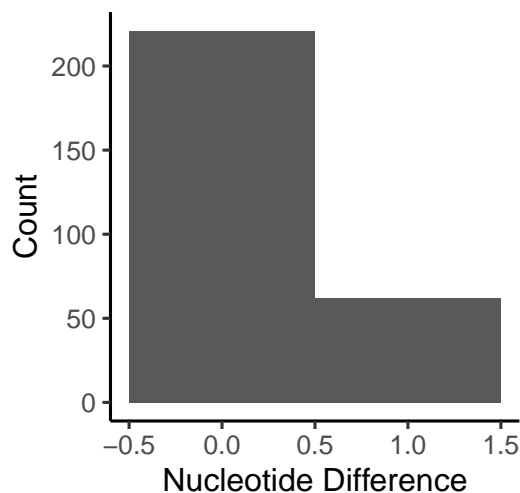
TRBV7-7*ap01

148 sequences assigned
147 (99.3%) exact matches, in which:
146 unique CDR3
13 unique J



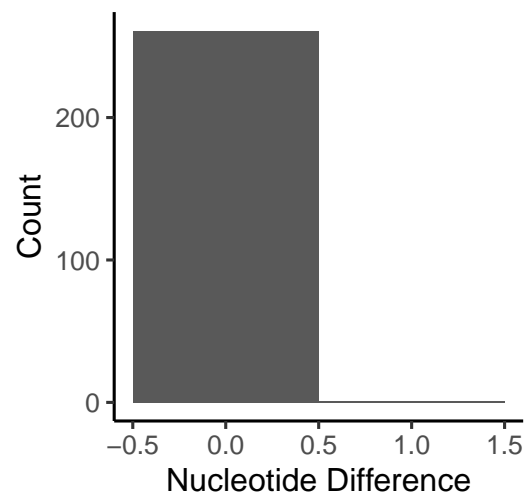
TRBV7-8*ap03

283 sequences assigned
221 (78.1%) exact matches, in which:
220 unique CDR3
13 unique J



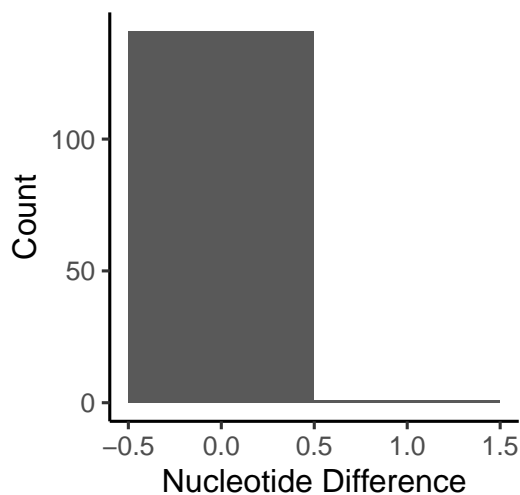
TRBV29-1*ap02

262 sequences assigned
261 (99.6%) exact matches, in which:
261 unique CDR3
13 unique J



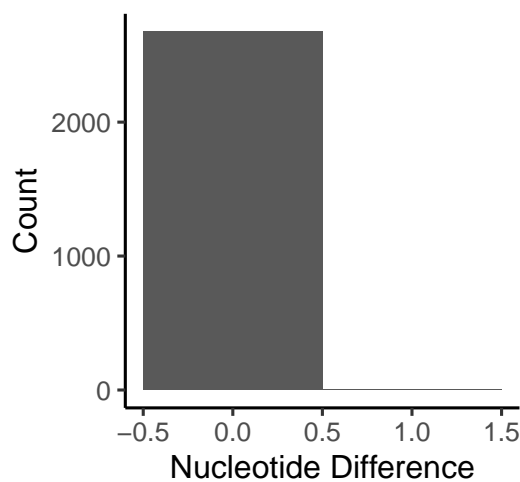
TRBV7-7*ap01_C315T

142 sequences assigned
141 (99.3%) exact matches, in which:
141 unique CDR3
12 unique J



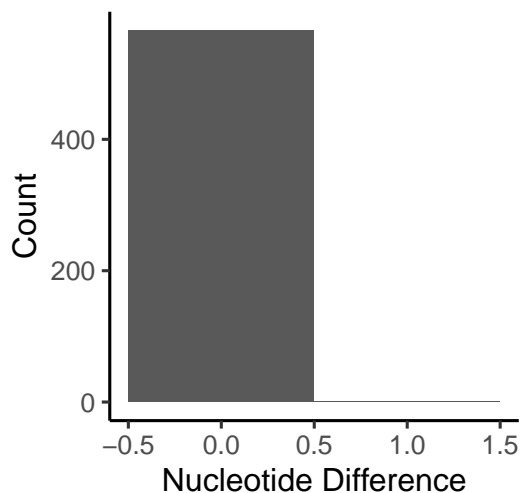
TRBV7-9*ap01

2678 sequences assigned
2675 (99.9%) exact matches, in which:
2672 unique CDR3
13 unique J



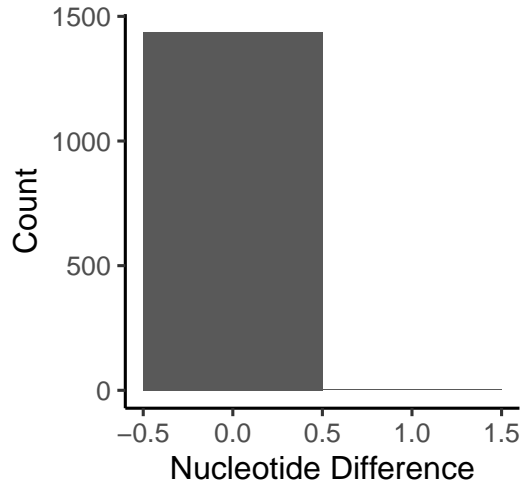
TRBV7-8*ap01

567 sequences assigned
566 (99.8%) exact matches, in which:
565 unique CDR3
13 unique J

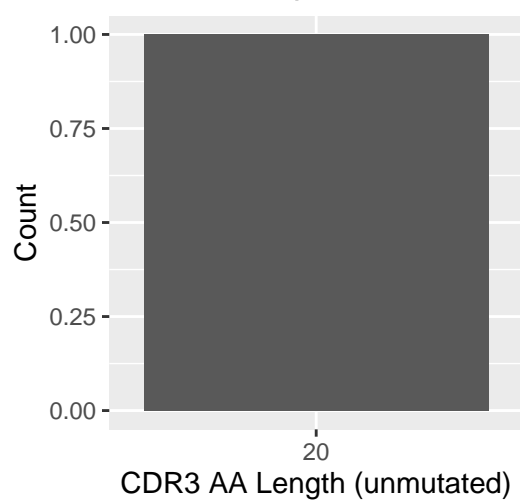


TRBV29-1*ap01

1441 sequences assigned
1437 (99.7%) exact matches, in which:
1436 unique CDR3
13 unique J



TRBV7-1*ap01_T296C_C314T



TRBV7-7*ap01_C315T

