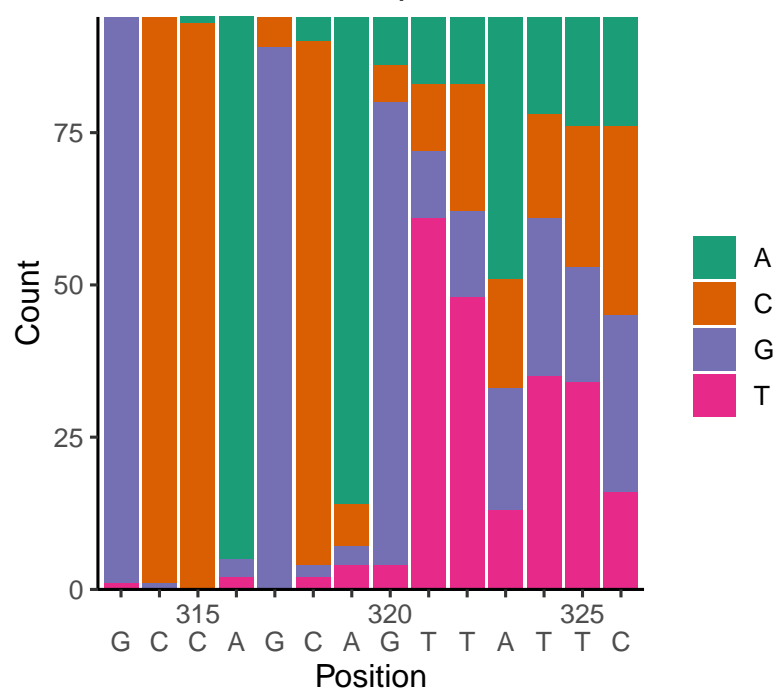
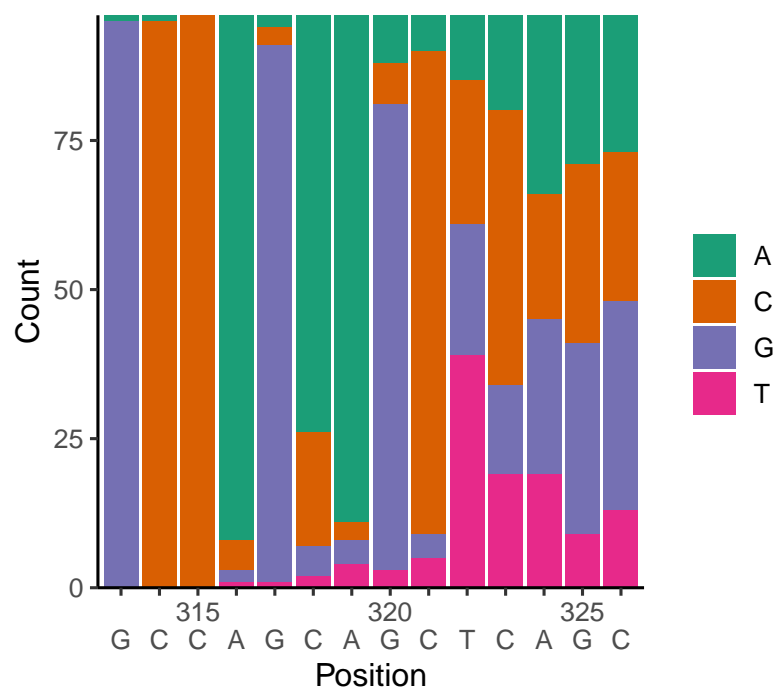


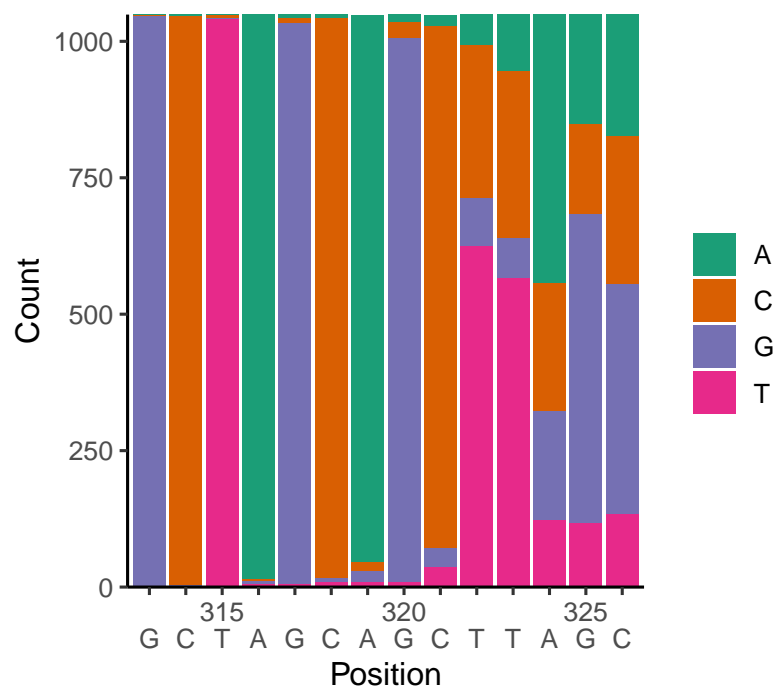
Gene TRBV6-9*ap01_C306T



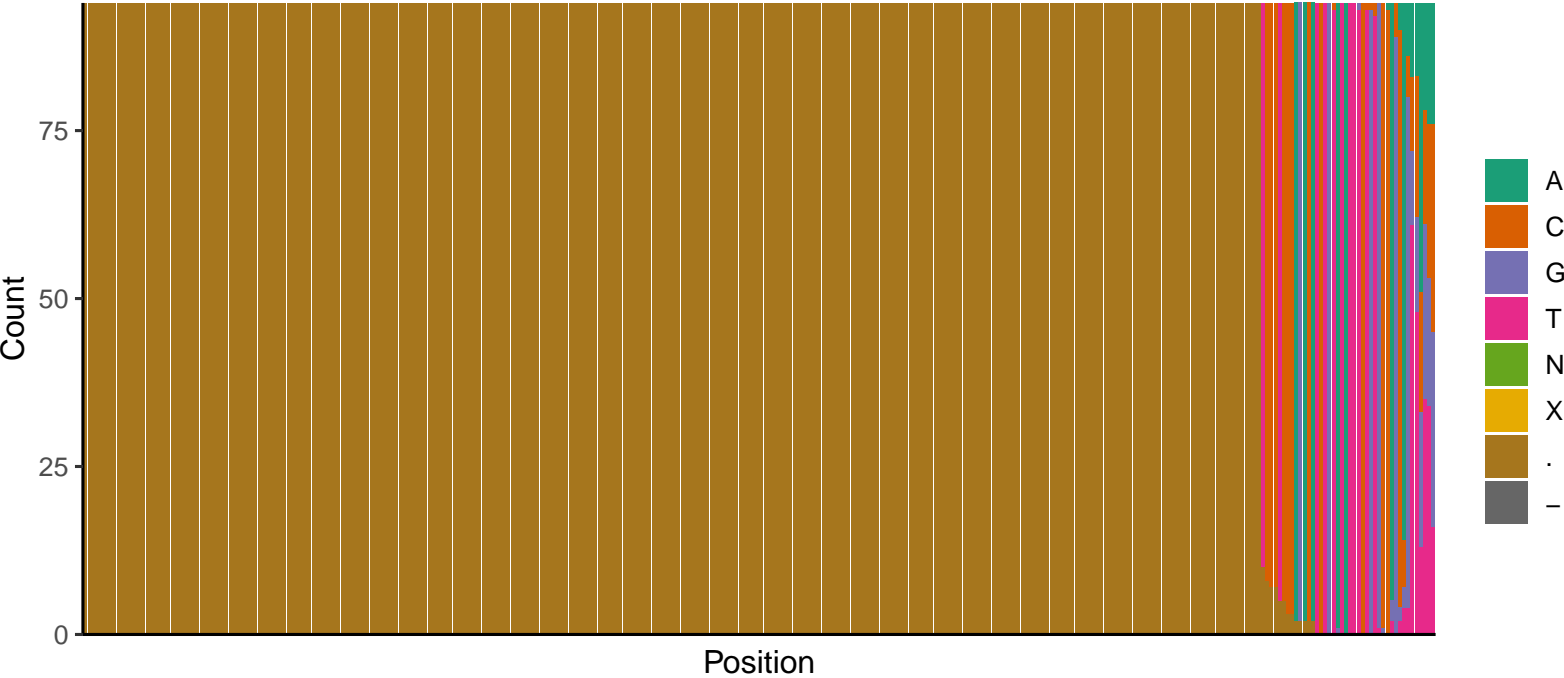
Gene TRBV7-1*ap01_T296C



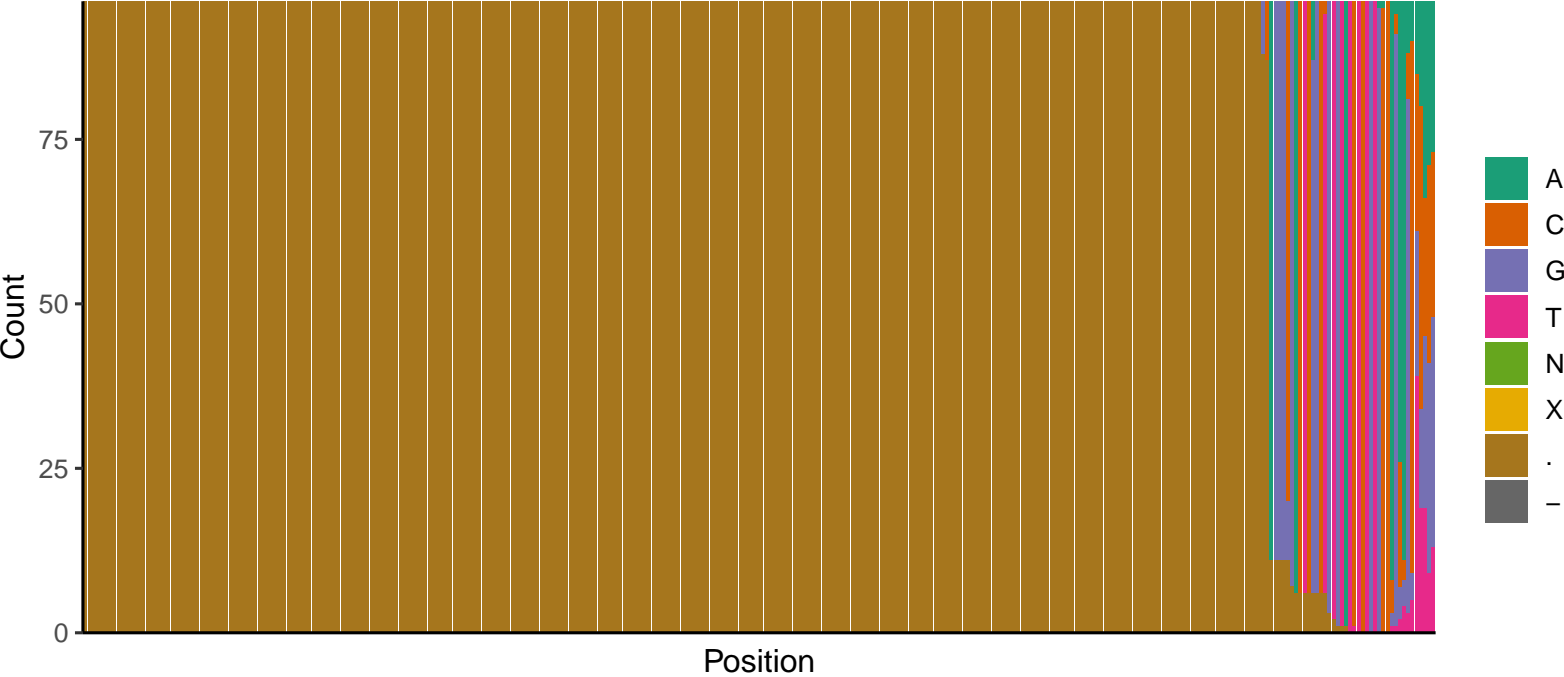
Gene TRBV7-7*ap01_C315T



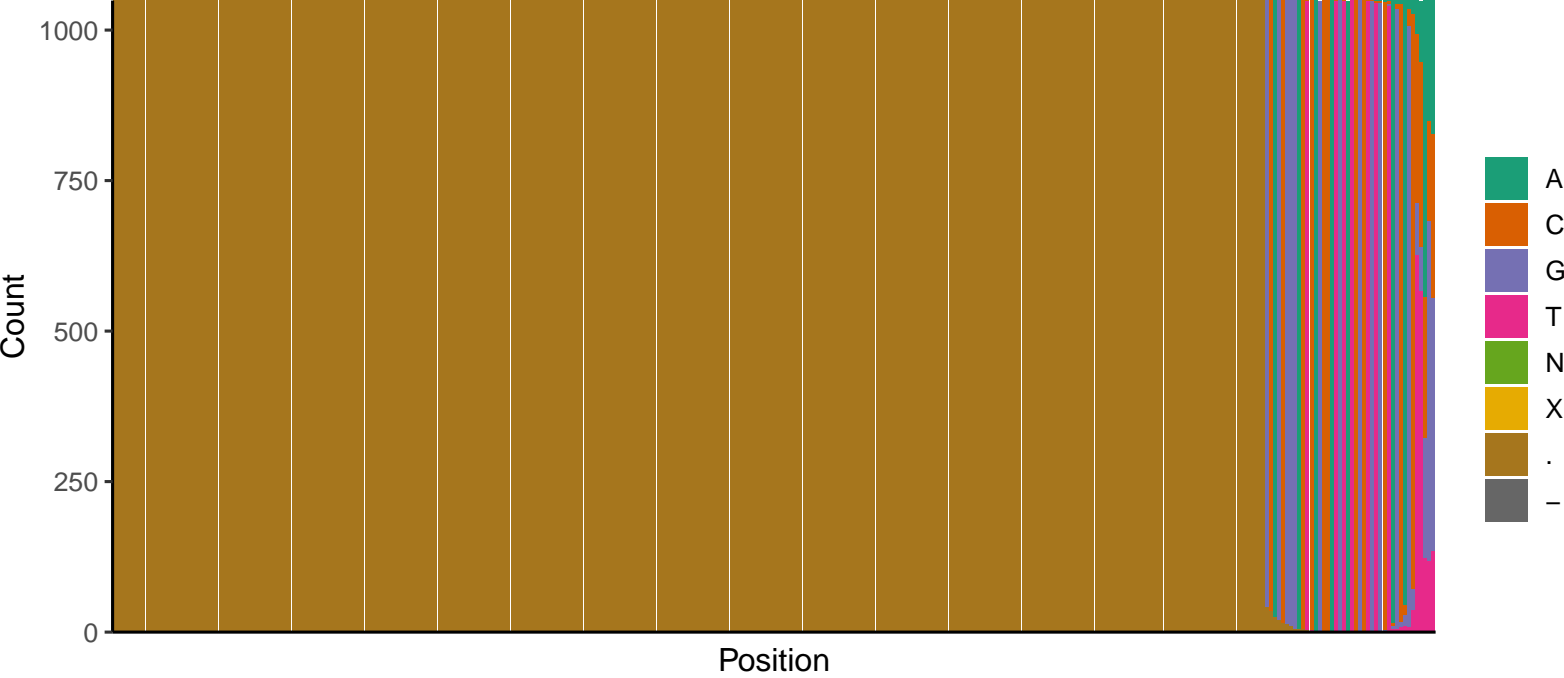
Gene TRBV6-9*ap01_C306T



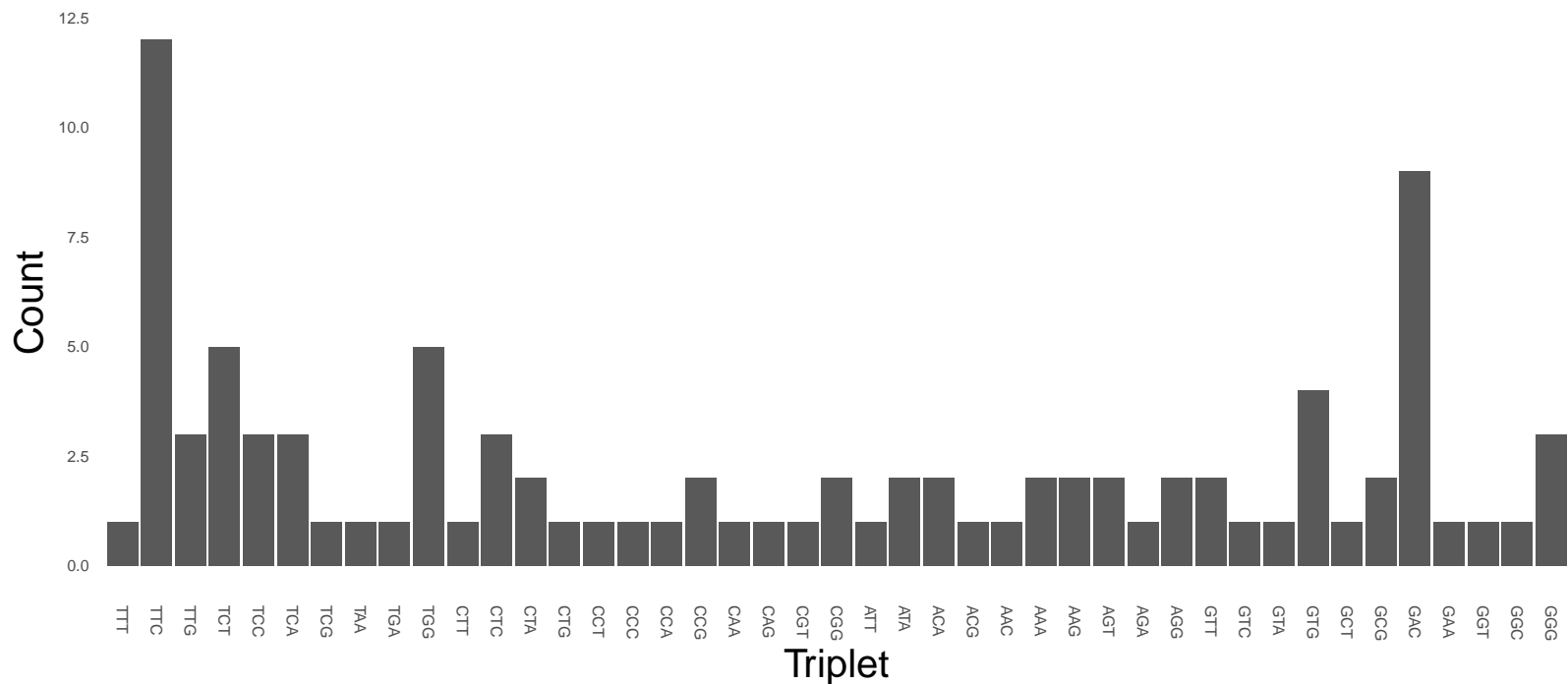
Gene TRBV7-1*ap01_T296C



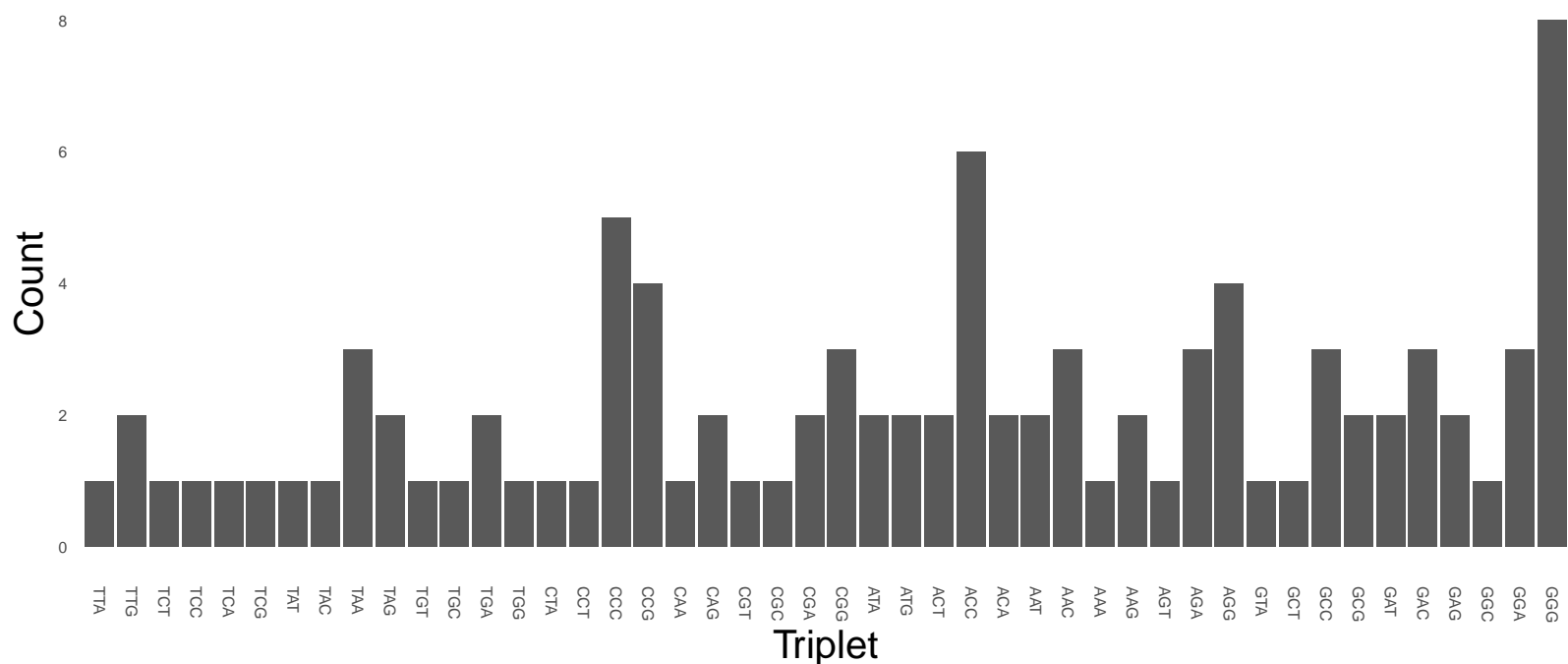
Gene TRBV7-7*ap01_C315T



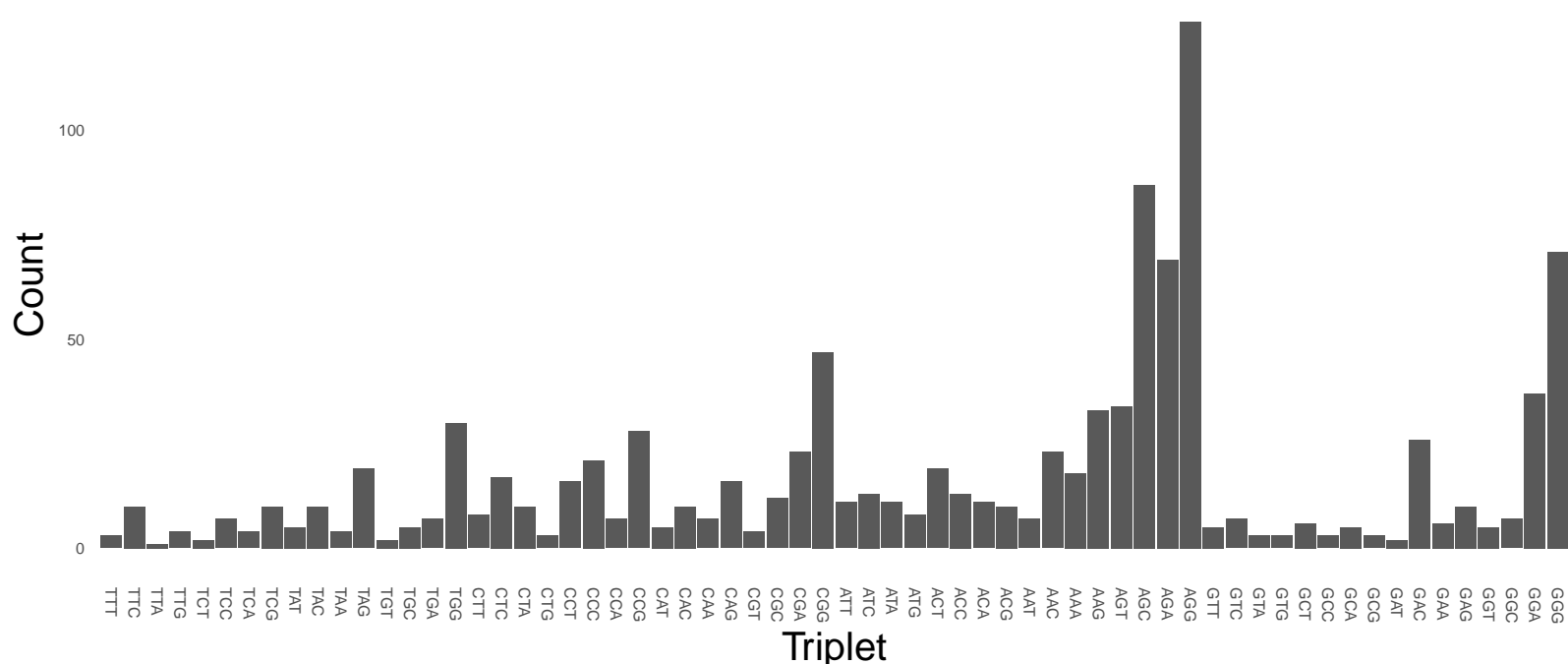
TRBV6-9*ap01_C306T- Final 3 nucleotides as a triplet



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

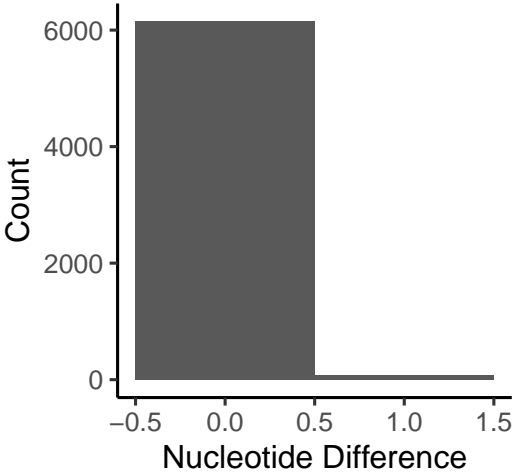


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



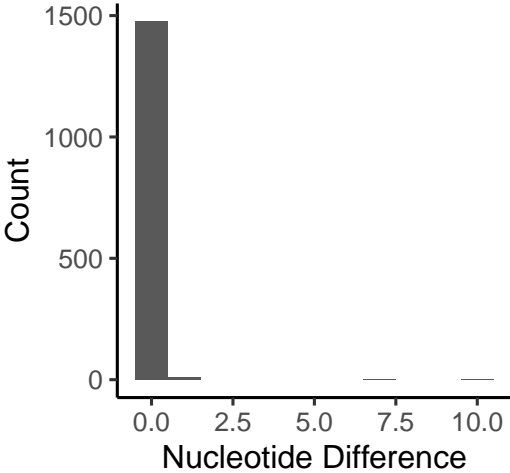
TRBV20-1*ap01

6221 sequences assigned
6149 (98.8%) exact matches, in which:
6041 unique CDR3
13 unique J



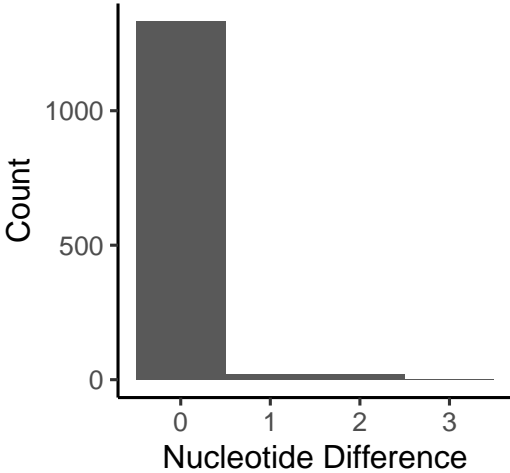
TRBV10-2*ap01

1490 sequences assigned
1476 (99.1%) exact matches, in which:
1433 unique CDR3
13 unique J



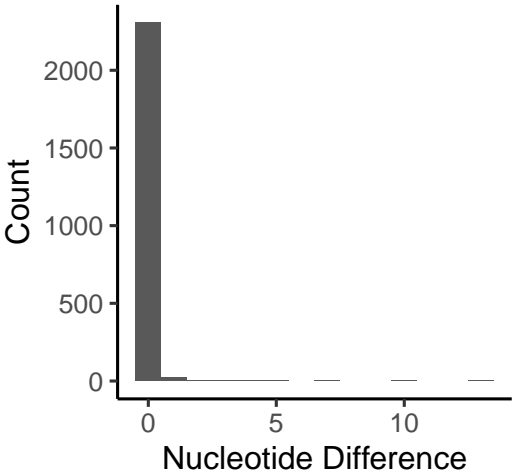
TRBV13*ap01

1375 sequences assigned
1332 (96.9%) exact matches, in which:
1291 unique CDR3
13 unique J



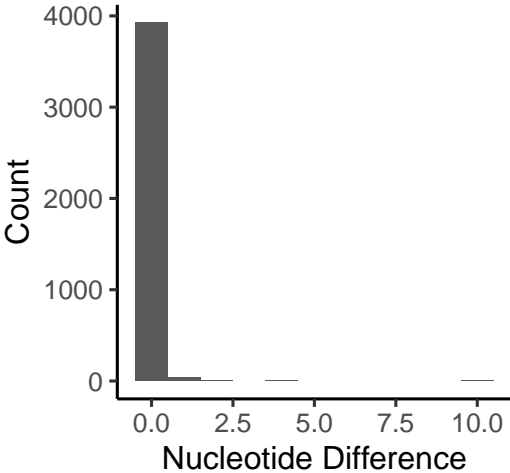
TRBV10-1*ap01

2339 sequences assigned
2306 (98.6%) exact matches, in which:
2246 unique CDR3
13 unique J



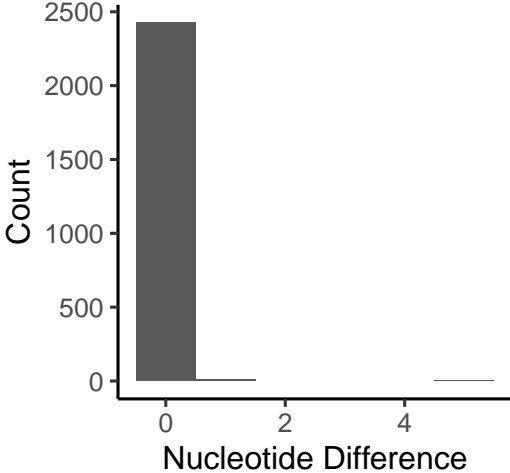
TRBV10-3*ap01

3965 sequences assigned
3925 (99%) exact matches, in which:
3838 unique CDR3
13 unique J



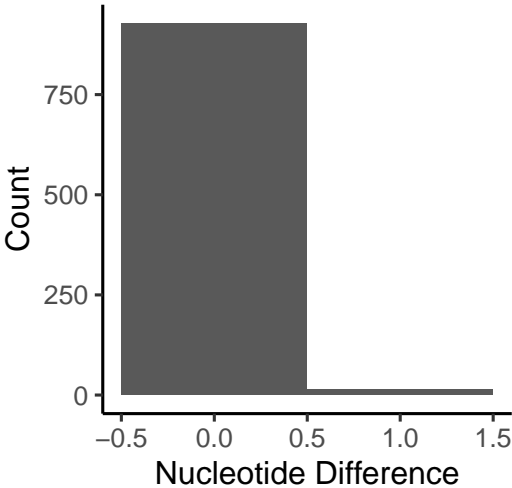
TRBV14*ap01

2438 sequences assigned
2426 (99.5%) exact matches, in which:
2388 unique CDR3
13 unique J



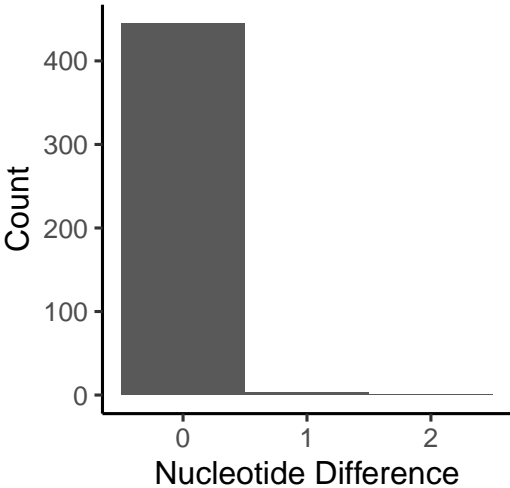
TRBV20-1*ap02

941 sequences assigned
928 (98.6%) exact matches, in which:
910 unique CDR3
13 unique J



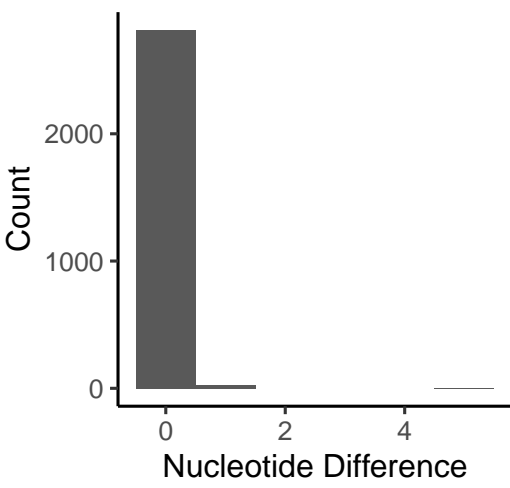
TRBV1*ap01

449 sequences assigned
445 (99.1%) exact matches, in which:
432 unique CDR3
13 unique J



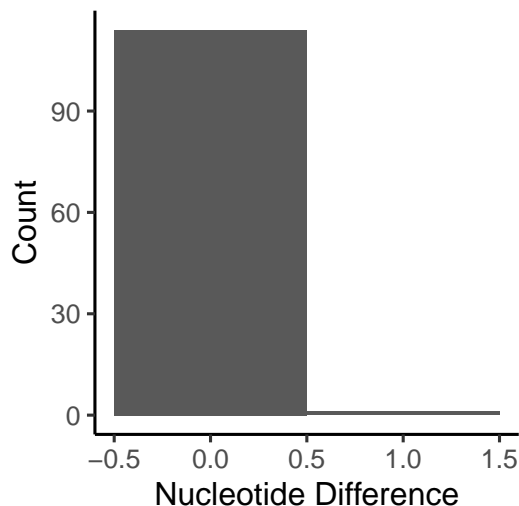
TRBV15*ap02

2841 sequences assigned
2815 (99.1%) exact matches, in which:
2759 unique CDR3
13 unique J



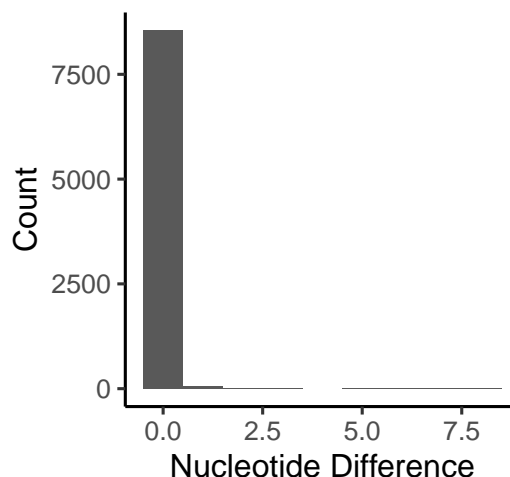
TRBV16*ap01

115 sequences assigned
114 (99.1%) exact matches, in which:
114 unique CDR3
13 unique J



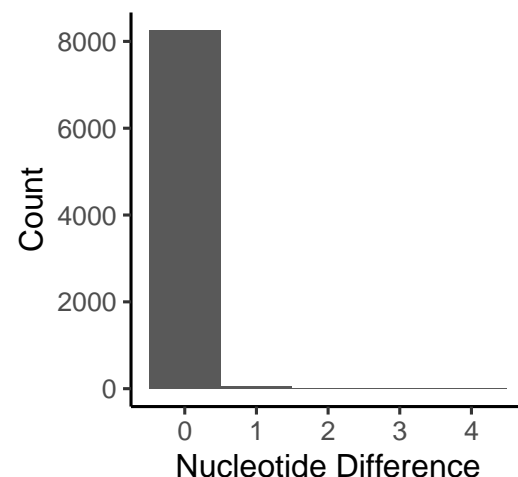
TRBV19*ap01

8627 sequences assigned
8548 (99.1%) exact matches, in which:
8449 unique CDR3
13 unique J



TRBV28*ap01

8324 sequences assigned
8253 (99.1%) exact matches, in which:
8098 unique CDR3
13 unique J



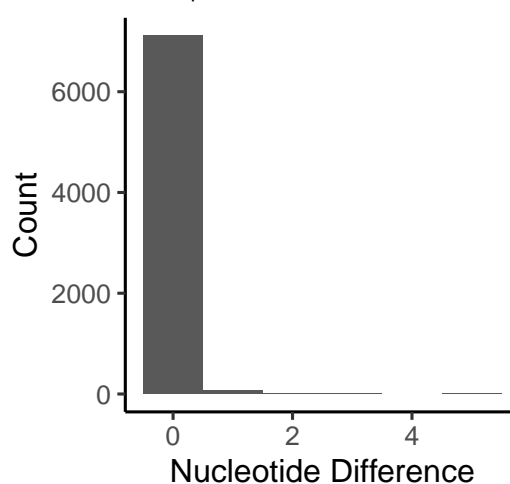
TRBV17*ap01

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



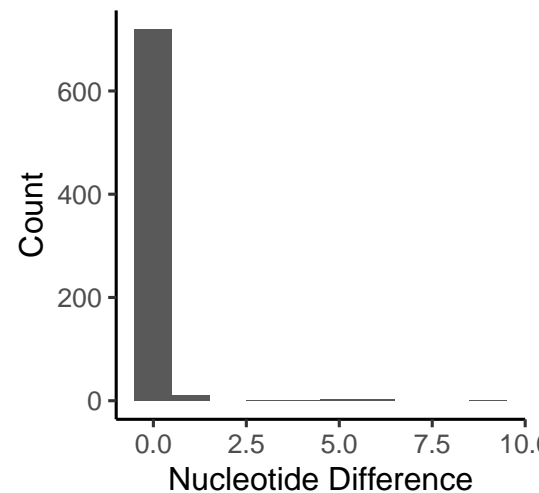
TRBV2*ap01

7186 sequences assigned
7111 (99%) exact matches, in which:
6957 unique CDR3
13 unique J



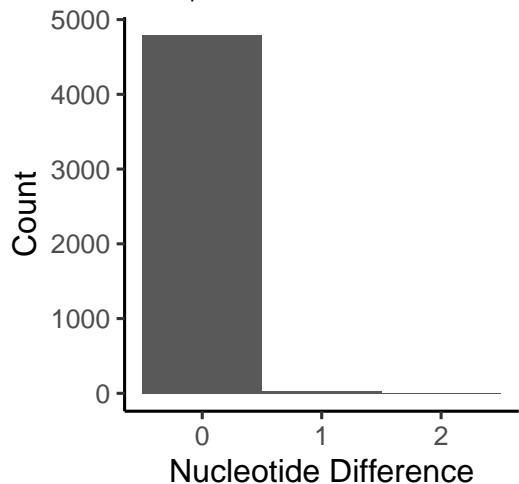
TRBV30*ap02

739 sequences assigned
720 (97.4%) exact matches, in which:
712 unique CDR3
13 unique J



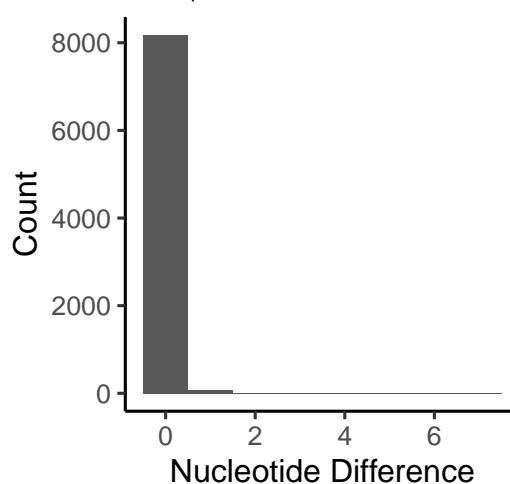
TRBV18*ap01

4828 sequences assigned
4793 (99.3%) exact matches, in which:
4750 unique CDR3
13 unique J



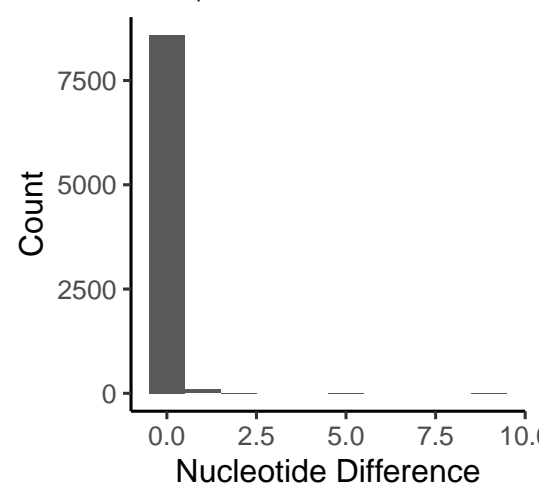
TRBV27*ap01

8276 sequences assigned
8176 (98.8%) exact matches, in which:
7990 unique CDR3
13 unique J



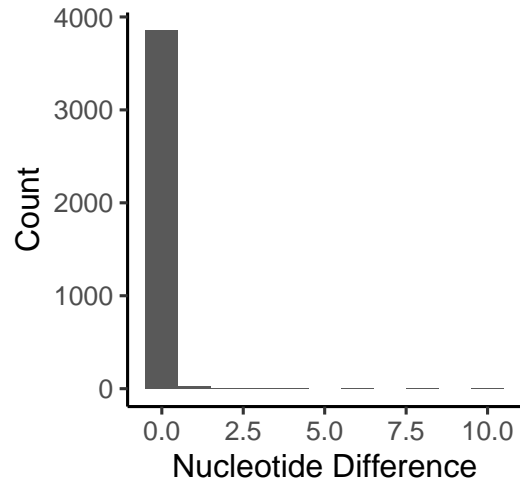
TRBV9*ap01

8689 sequences assigned
8590 (98.9%) exact matches, in which:
8426 unique CDR3
13 unique J



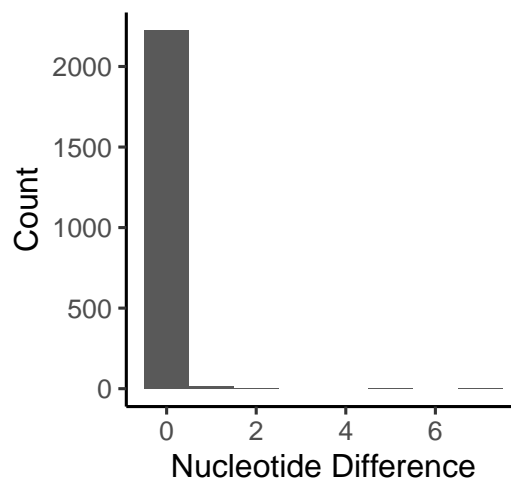
TRBV21-1*ap01

3909 sequences assigned
3855 (98.6%) exact matches, in which:
3801 unique CDR3
13 unique J



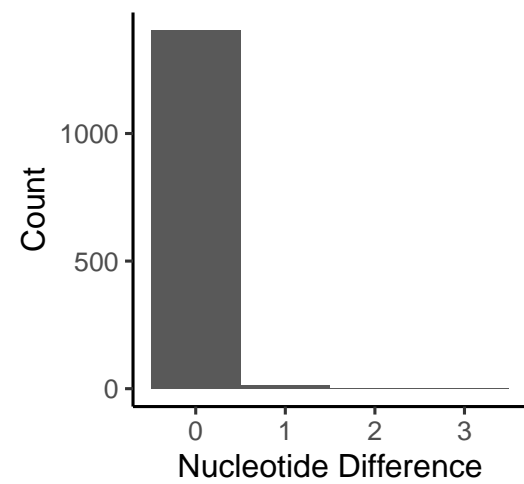
TRBV11-3*ap01

2242 sequences assigned
2224 (99.2%) exact matches, in which:
2179 unique CDR3
13 unique J



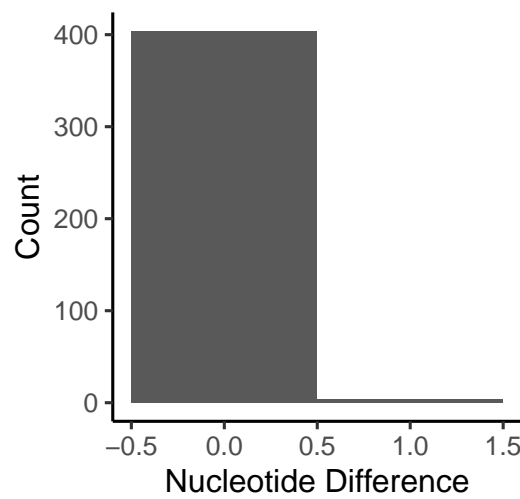
TRBV12-5*ap01

1419 sequences assigned
1404 (98.9%) exact matches, in which:
1367 unique CDR3
13 unique J



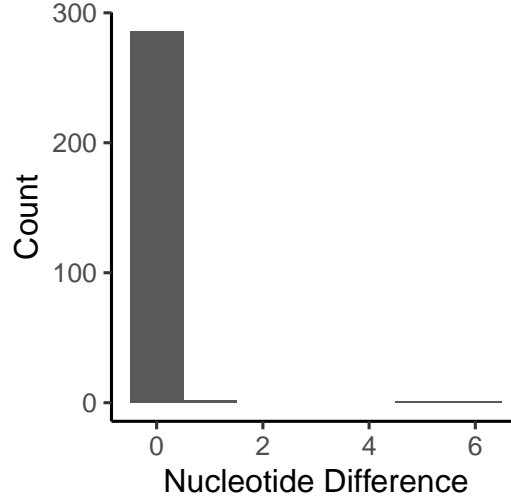
TRBV11-1*ap01

408 sequences assigned
404 (99%) exact matches, in which:
400 unique CDR3
13 unique J



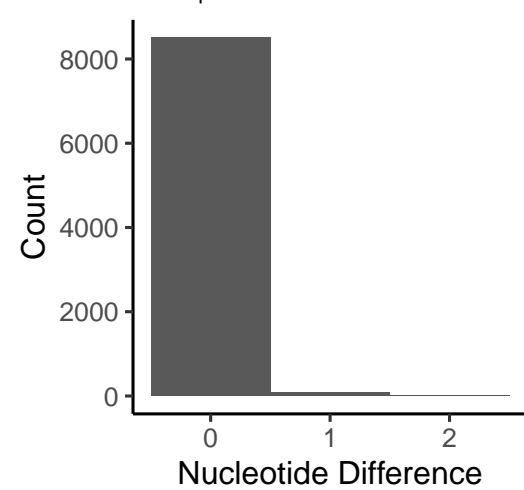
TRBV12-1*ap01

290 sequences assigned
286 (98.6%) exact matches, in which:
279 unique CDR3
13 unique J



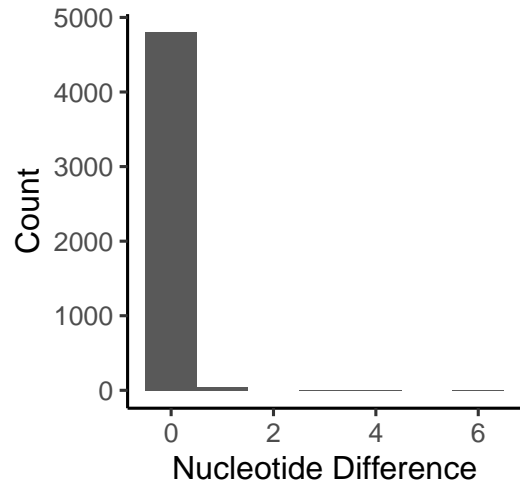
TRBV12-34*ap01

8599 sequences assigned
8505 (98.9%) exact matches, in which:
8348 unique CDR3
13 unique J



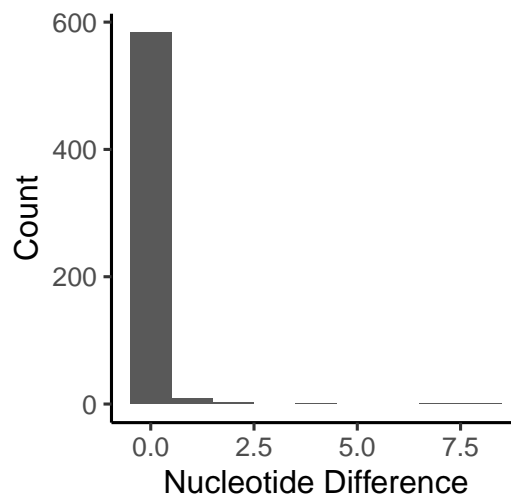
TRBV11-2*ap01

4854 sequences assigned
4804 (99%) exact matches, in which:
4708 unique CDR3
13 unique J



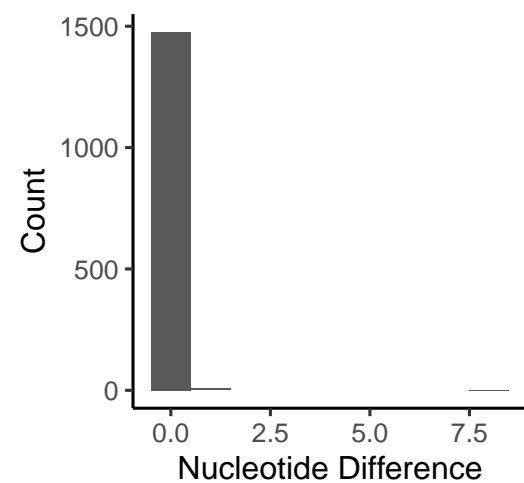
TRBV12-2*ap01

598 sequences assigned
584 (97.7%) exact matches, in which:
569 unique CDR3
13 unique J



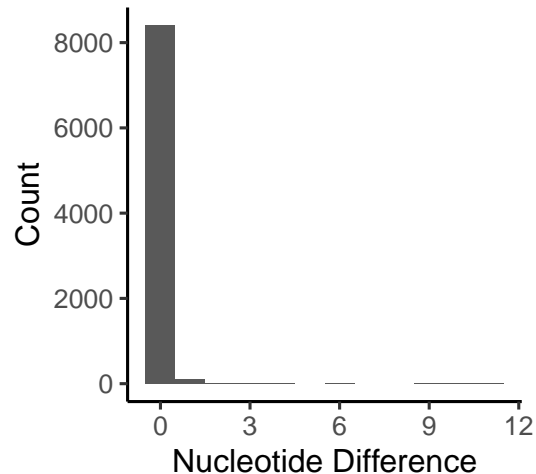
TRBV23-1*ap01

1485 sequences assigned
1476 (99.4%) exact matches, in which:
1449 unique CDR3
13 unique J



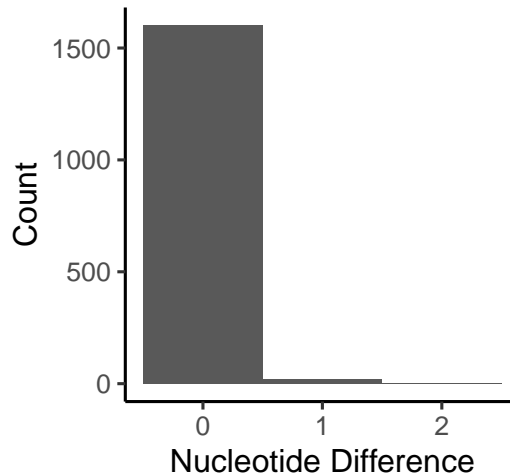
TRBV3-12*ap01

8523 sequences assigned
8404 (98.6%) exact matches, in which:
8204 unique CDR3
13 unique J



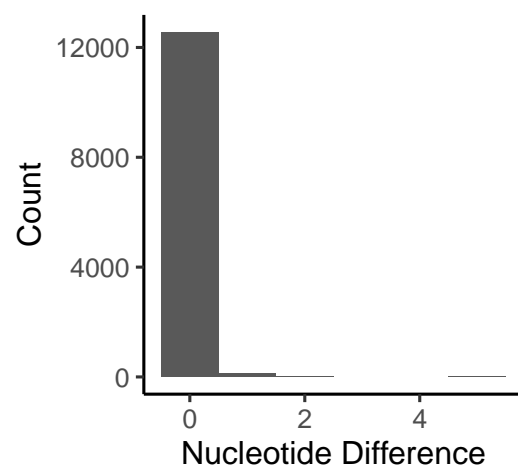
TRBV4-2*ap01

1626 sequences assigned
1601 (98.5%) exact matches, in which:
1571 unique CDR3
13 unique J



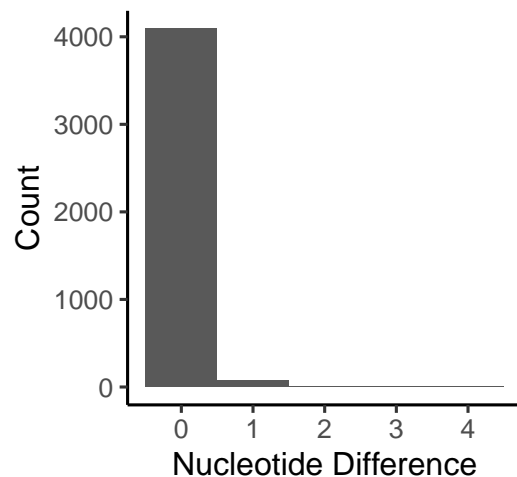
TRBV5-1*ap01

12703 sequences assigned
12558 (98.9%) exact matches, in which:
12244 unique CDR3
13 unique J



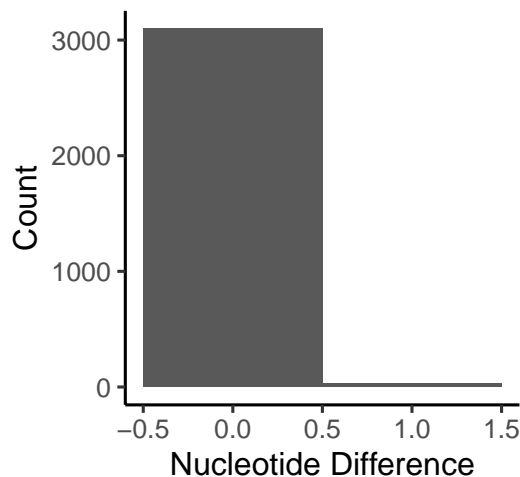
TRBV24-1*ap01

4172 sequences assigned
4092 (98.1%) exact matches, in which:
4003 unique CDR3
13 unique J



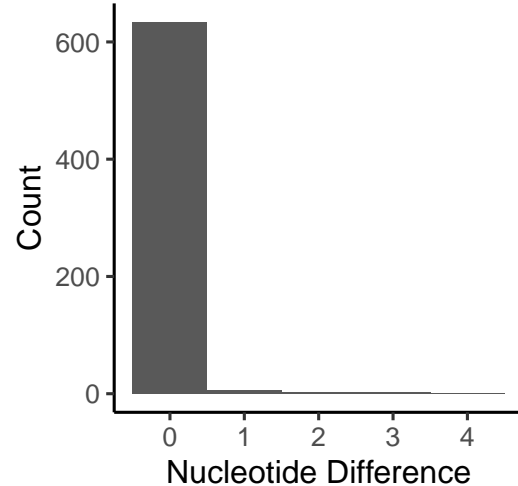
TRBV4-3*ap01

3131 sequences assigned
3098 (98.9%) exact matches, in which:
3020 unique CDR3
13 unique J



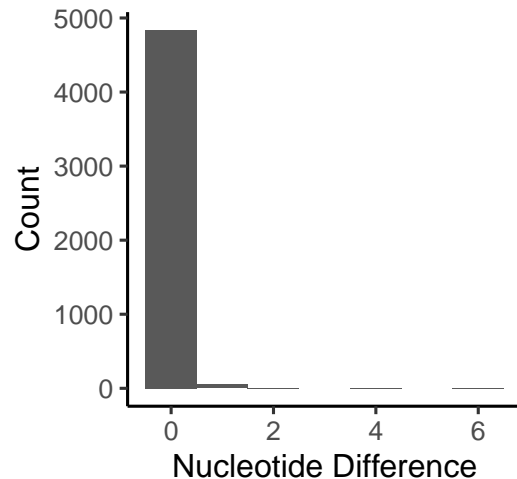
TRBV5-3*ap01

646 sequences assigned
634 (98.1%) exact matches, in which:
623 unique CDR3
13 unique J



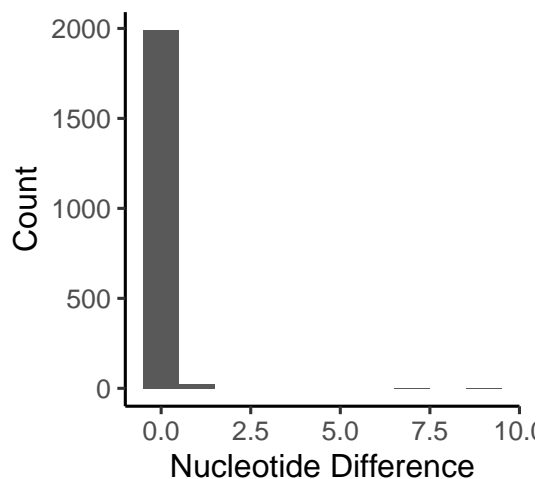
TRBV4-1*ap01

4891 sequences assigned
4837 (98.9%) exact matches, in which:
4740 unique CDR3
14 unique J



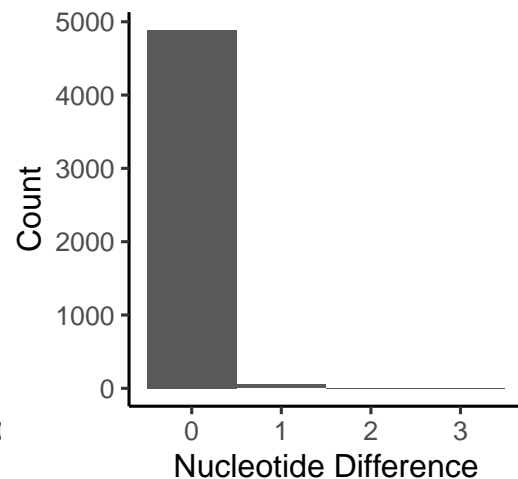
TRBV25-1*ap01

2018 sequences assigned
1991 (98.7%) exact matches, in which:
1940 unique CDR3
13 unique J



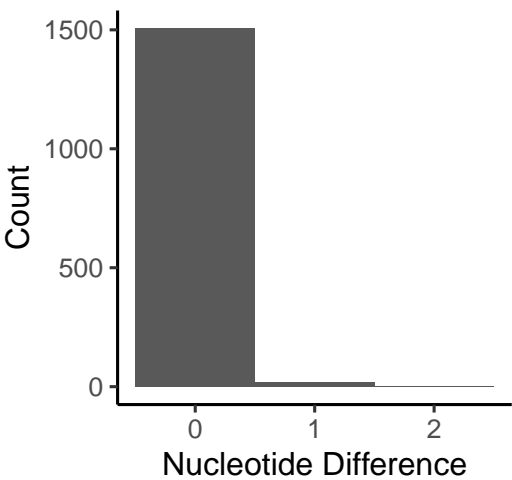
TRBV5-4*ap01

4944 sequences assigned
4887 (98.8%) exact matches, in which:
4750 unique CDR3
13 unique J



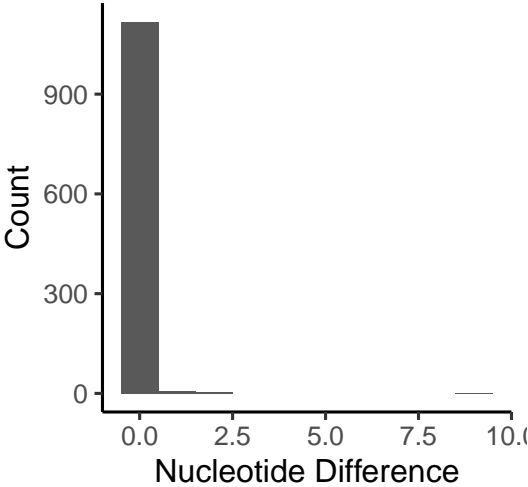
TRBV5-5*ap01

1527 sequences assigned
1506 (98.6%) exact matches, in which:
1495 unique CDR3
13 unique J



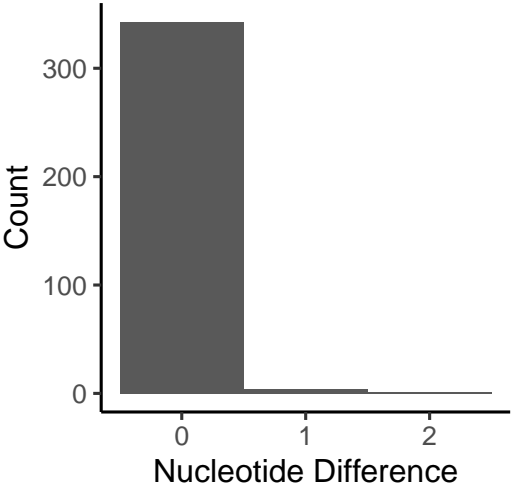
TRBV5-8*ap01

1131 sequences assigned
1118 (98.9%) exact matches, in which:
1091 unique CDR3
13 unique J



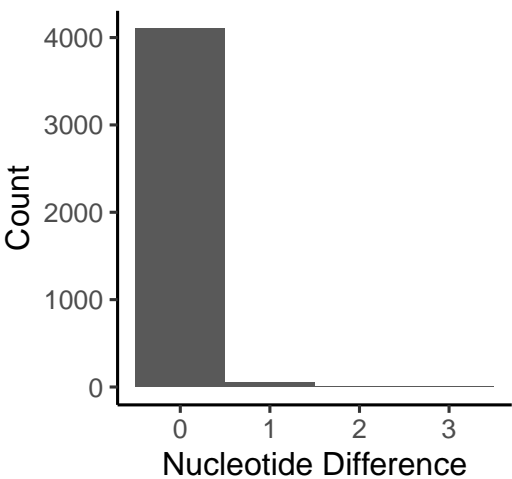
TRBV6-7*ap01

348 sequences assigned
343 (98.6%) exact matches, in which:
330 unique CDR3
13 unique J



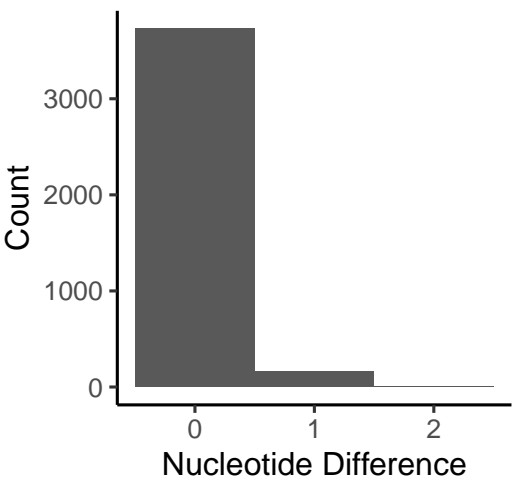
TRBV5-6*ap01

4154 sequences assigned
4101 (98.7%) exact matches, in which:
3980 unique CDR3
13 unique J



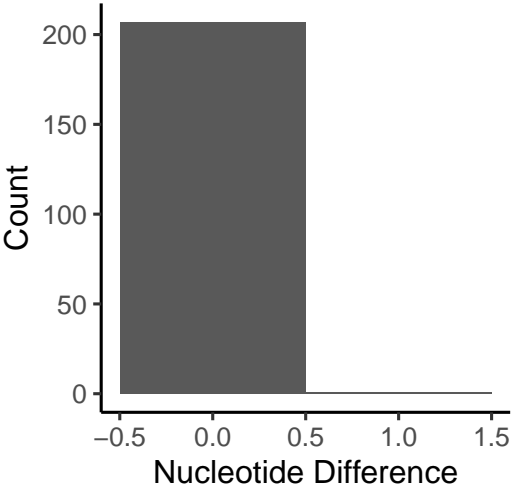
TRBV6-1*ap01

3897 sequences assigned
3729 (95.7%) exact matches, in which:
3646 unique CDR3
13 unique J



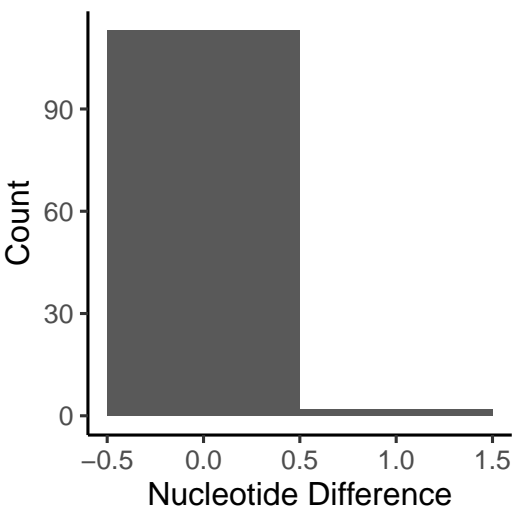
TRBV6-8*ap01

208 sequences assigned
207 (99.5%) exact matches, in which:
201 unique CDR3
13 unique J



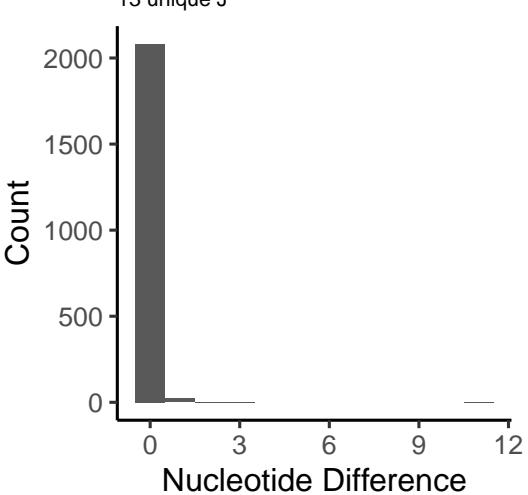
TRBV5-7*ap01

115 sequences assigned
113 (98.3%) exact matches, in which:
110 unique CDR3
13 unique J



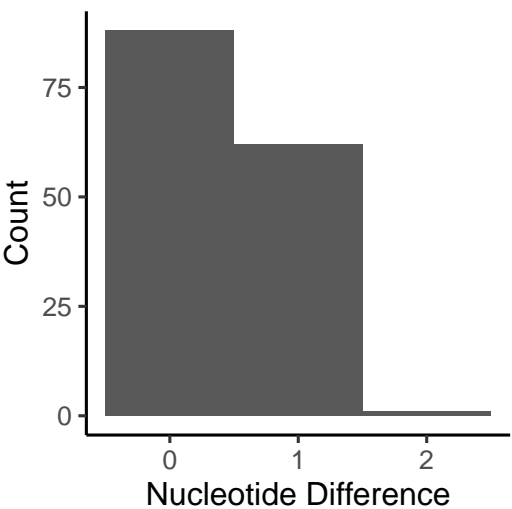
TRBV6-4*ap01

2106 sequences assigned
2081 (98.8%) exact matches, in which:
2046 unique CDR3
13 unique J



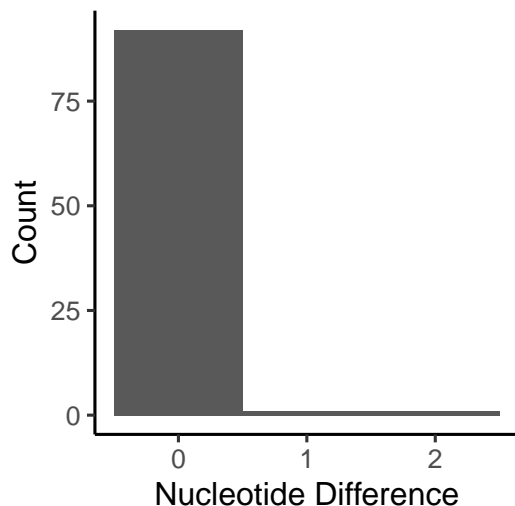
TRBV6-9*ap01

151 sequences assigned
88 (58.3%) exact matches, in which:
88 unique CDR3
13 unique J



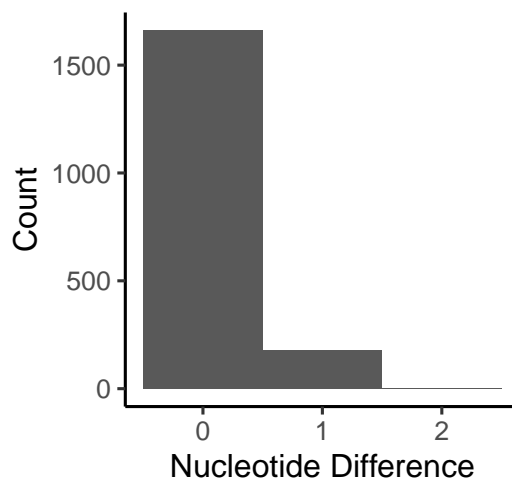
TRBV6-9*ap01_C306T

94 sequences assigned
92 (97.9%) exact matches, in which:
88 unique CDR3
11 unique J



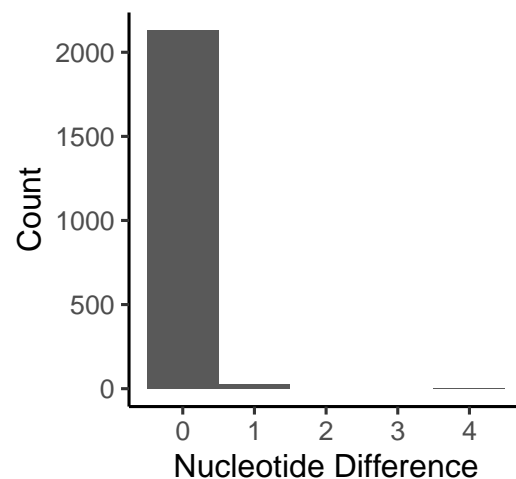
TRBV6-56*ap02

1844 sequences assigned
1661 (90.1%) exact matches, in which:
1616 unique CDR3
13 unique J



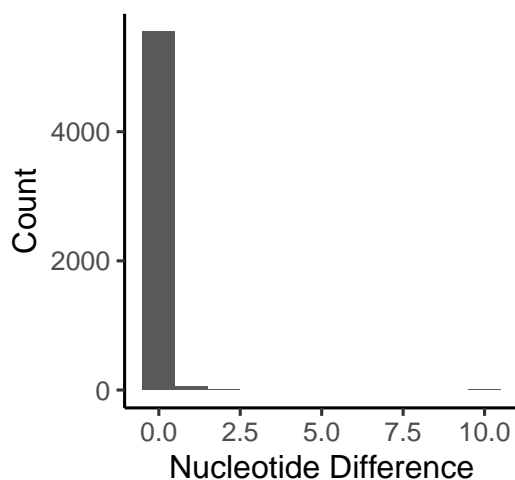
TRBV7-3*ap01

2156 sequences assigned
2130 (98.8%) exact matches, in which:
2098 unique CDR3
13 unique J



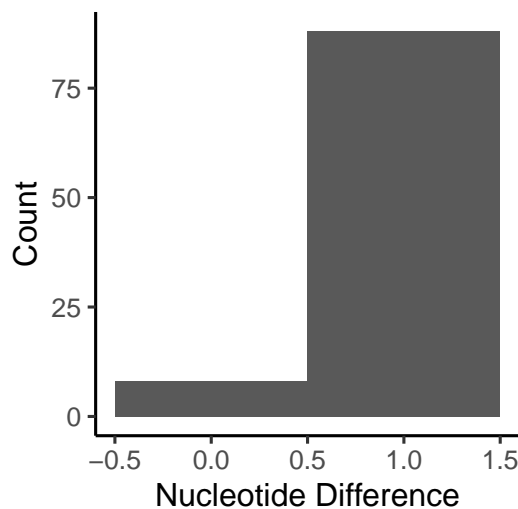
TRBV6-23*ap01

5612 sequences assigned
5548 (98.9%) exact matches, in which:
5382 unique CDR3
13 unique J



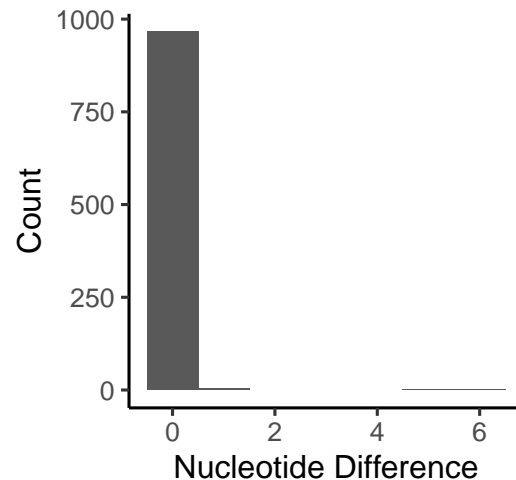
TRBV7-1*ap01_T296C

96 sequences assigned
8 (8.3%) exact matches, in which:
8 unique CDR3
5 unique J



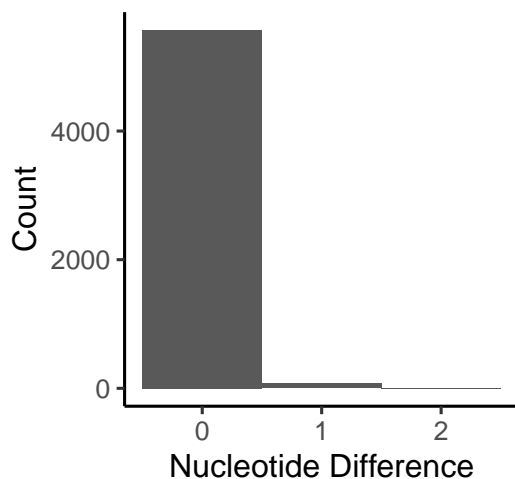
TRBV7-3*ap02

973 sequences assigned
966 (99.3%) exact matches, in which:
949 unique CDR3
13 unique J



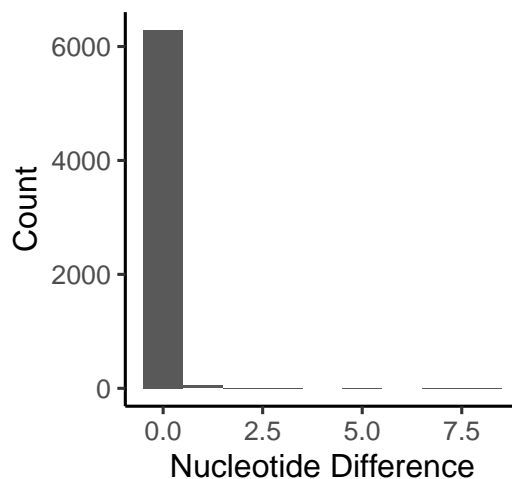
TRBV6-56*ap01

5647 sequences assigned
5570 (98.6%) exact matches, in which:
5412 unique CDR3
13 unique J



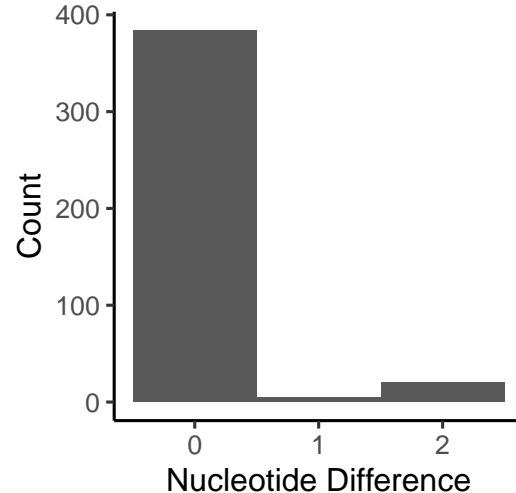
TRBV7-2*ap01

6348 sequences assigned
6289 (99.1%) exact matches, in which:
6175 unique CDR3
13 unique J



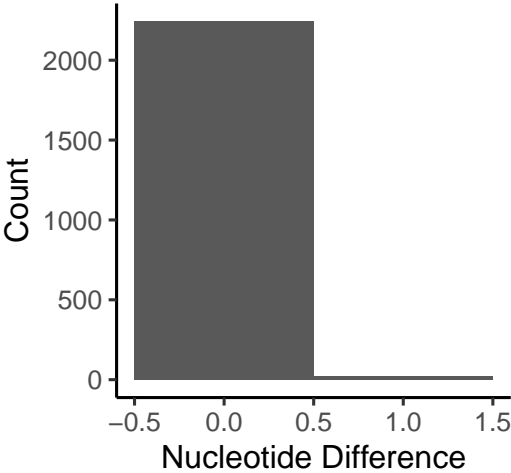
TRBV7-4*ap01

409 sequences assigned
384 (93.9%) exact matches, in which:
378 unique CDR3
13 unique J



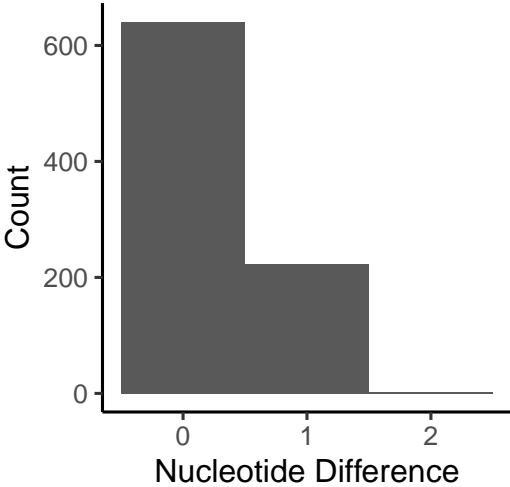
TRBV7-6*ap01

2264 sequences assigned
2243 (99.1%) exact matches, in which:
2193 unique CDR3
13 unique J



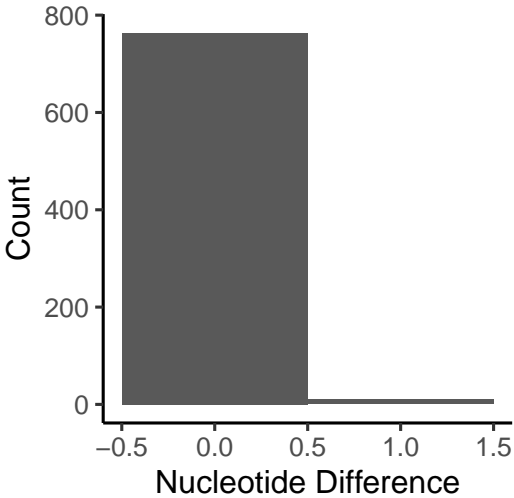
TRBV7-8*ap03

866 sequences assigned
641 (74%) exact matches, in which:
625 unique CDR3
13 unique J



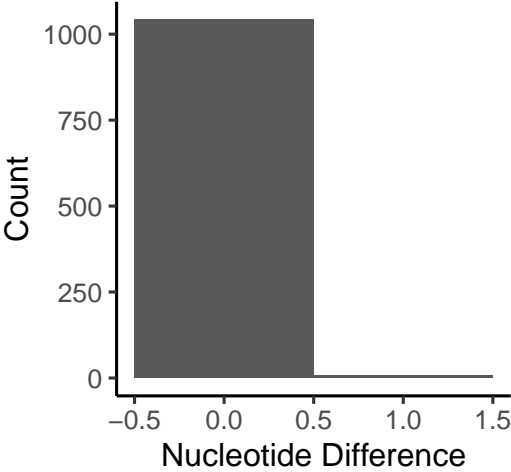
TRBV29-1*ap02

774 sequences assigned
764 (98.7%) exact matches, in which:
744 unique CDR3
13 unique J



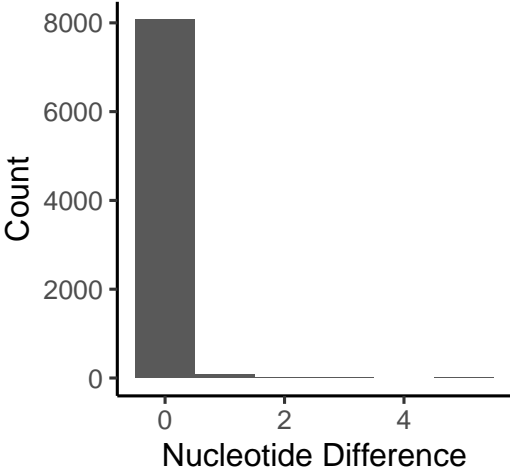
TRBV7-7*ap01_C315T

1049 sequences assigned
1042 (99.3%) exact matches, in which:
1029 unique CDR3
13 unique J



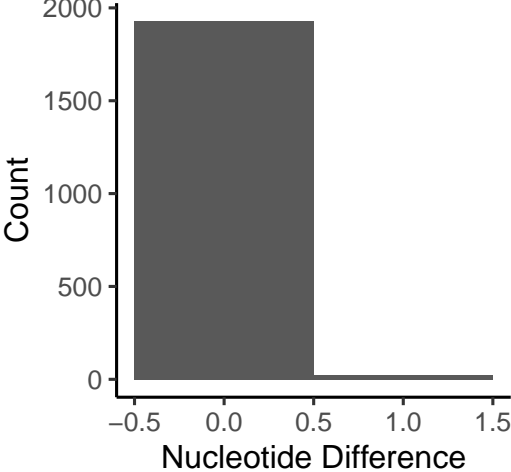
TRBV7-9*ap01

8143 sequences assigned
8070 (99.1%) exact matches, in which:
7950 unique CDR3
14 unique J



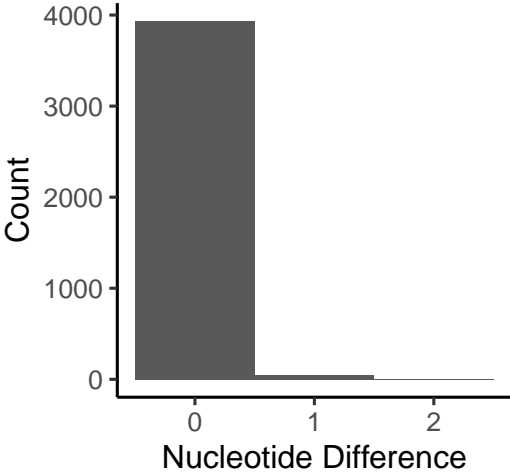
TRBV7-8*ap01

1951 sequences assigned
1929 (98.9%) exact matches, in which:
1880 unique CDR3
13 unique J

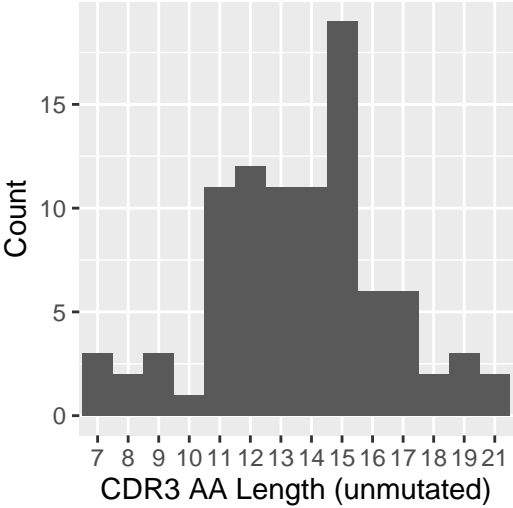


TRBV29-1*ap01

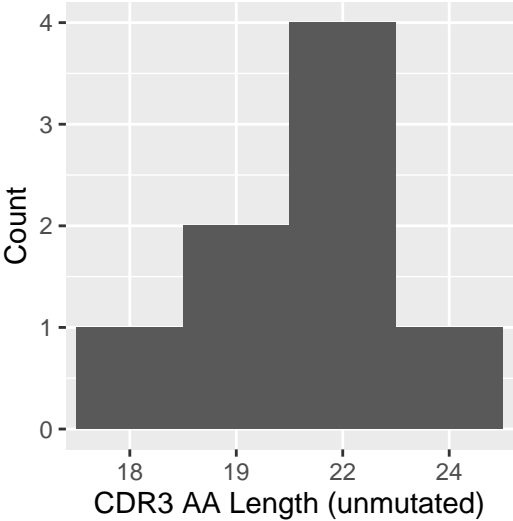
3985 sequences assigned
3934 (98.7%) exact matches, in which:
3849 unique CDR3
13 unique J



TRBV6-9*ap01_C306T



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

