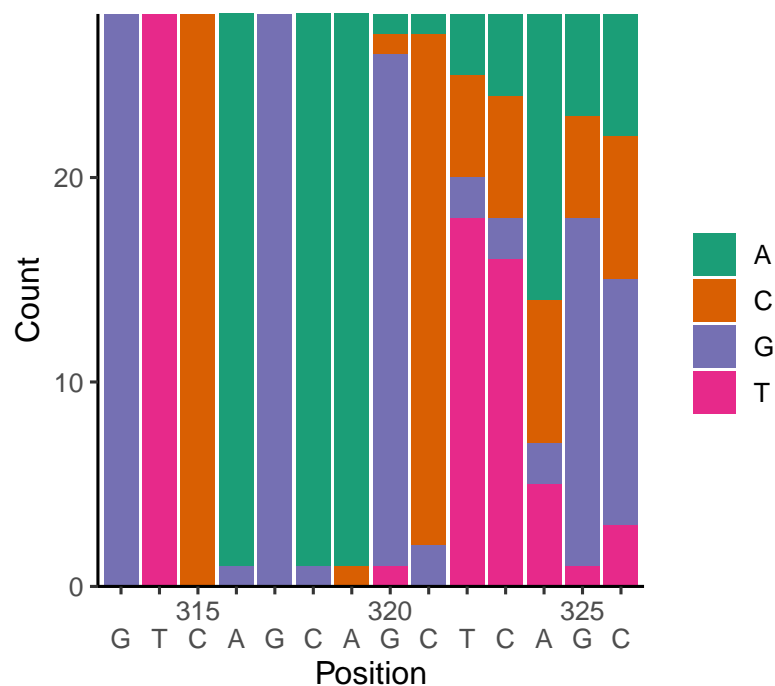
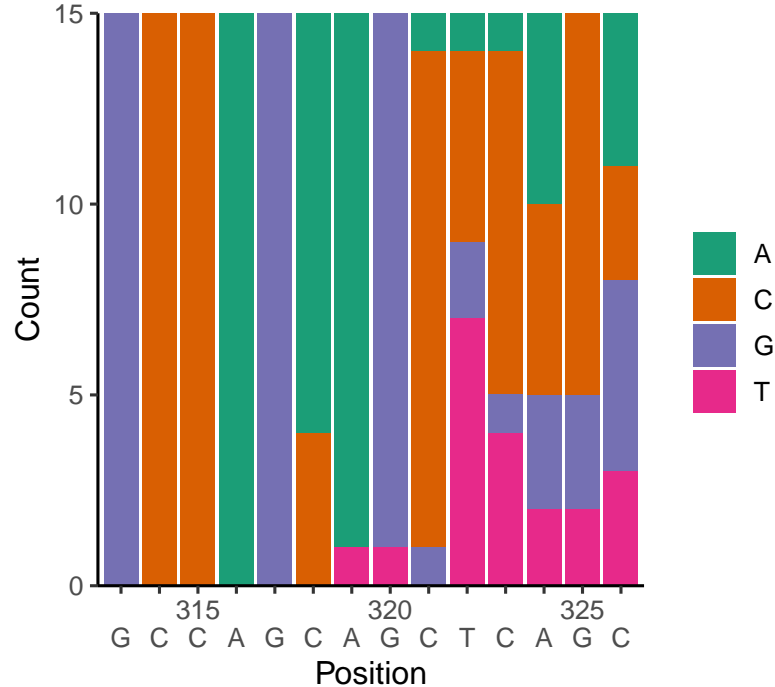


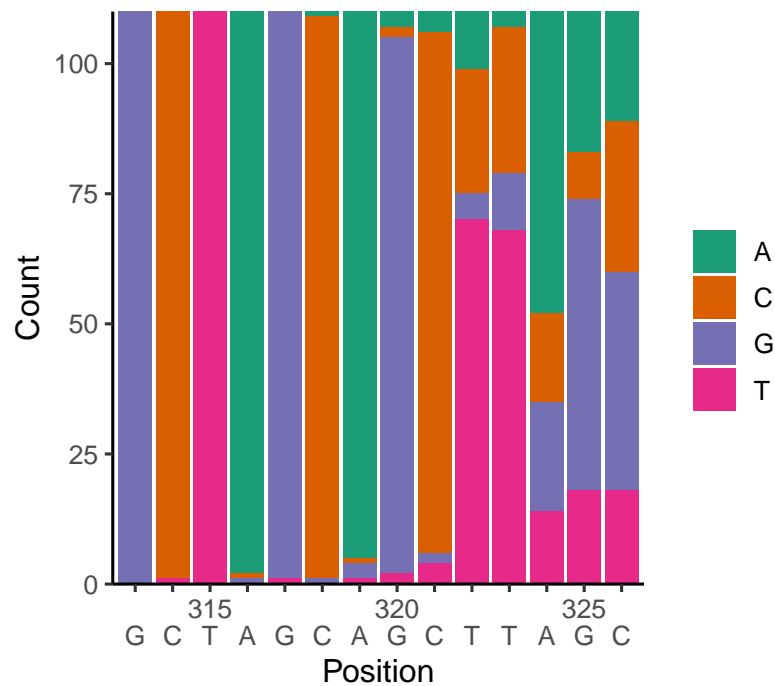
Gene TRBV7-1*ap01_T296C_C314T



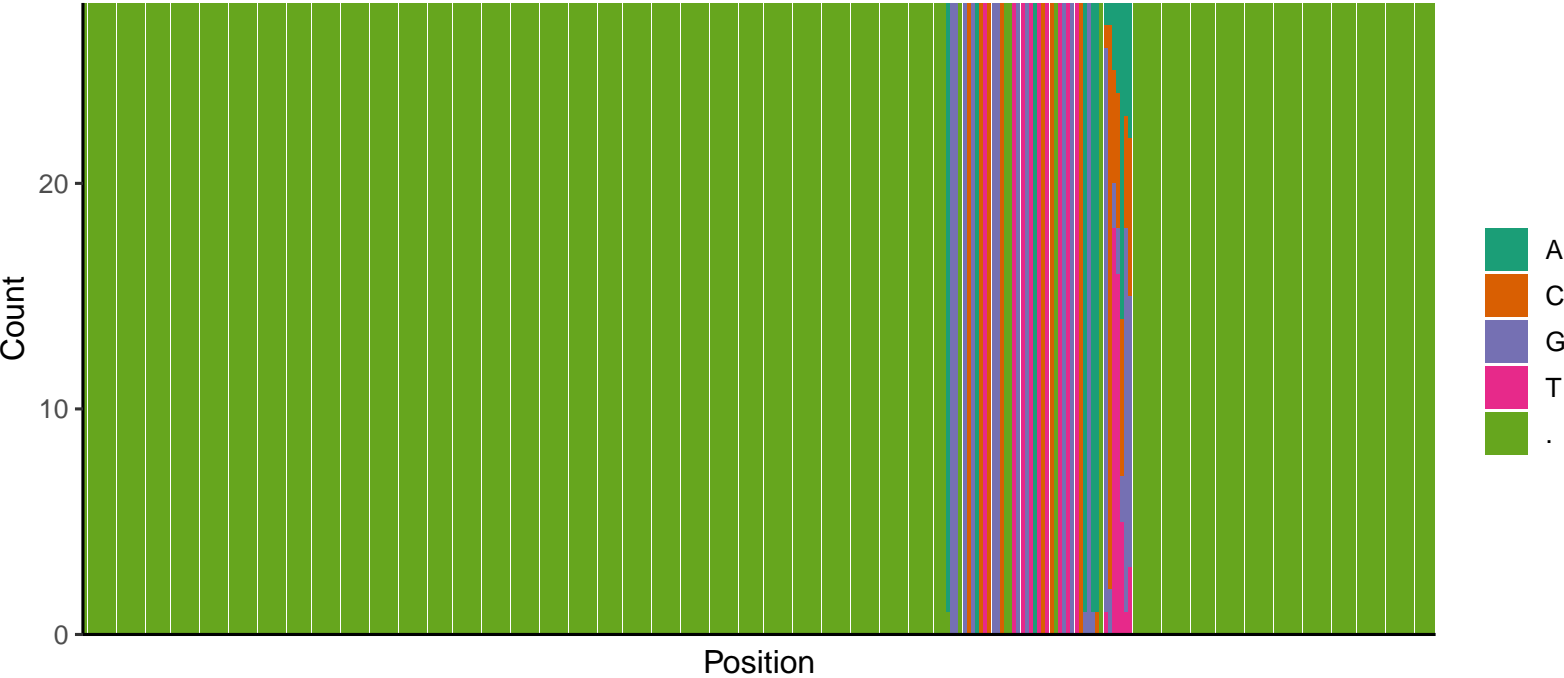
Gene TRBV7-1*ap01_T296C



Gene TRBV7-7*ap01_C315T



Gene TRBV7-1*ap01_T296C_C314T



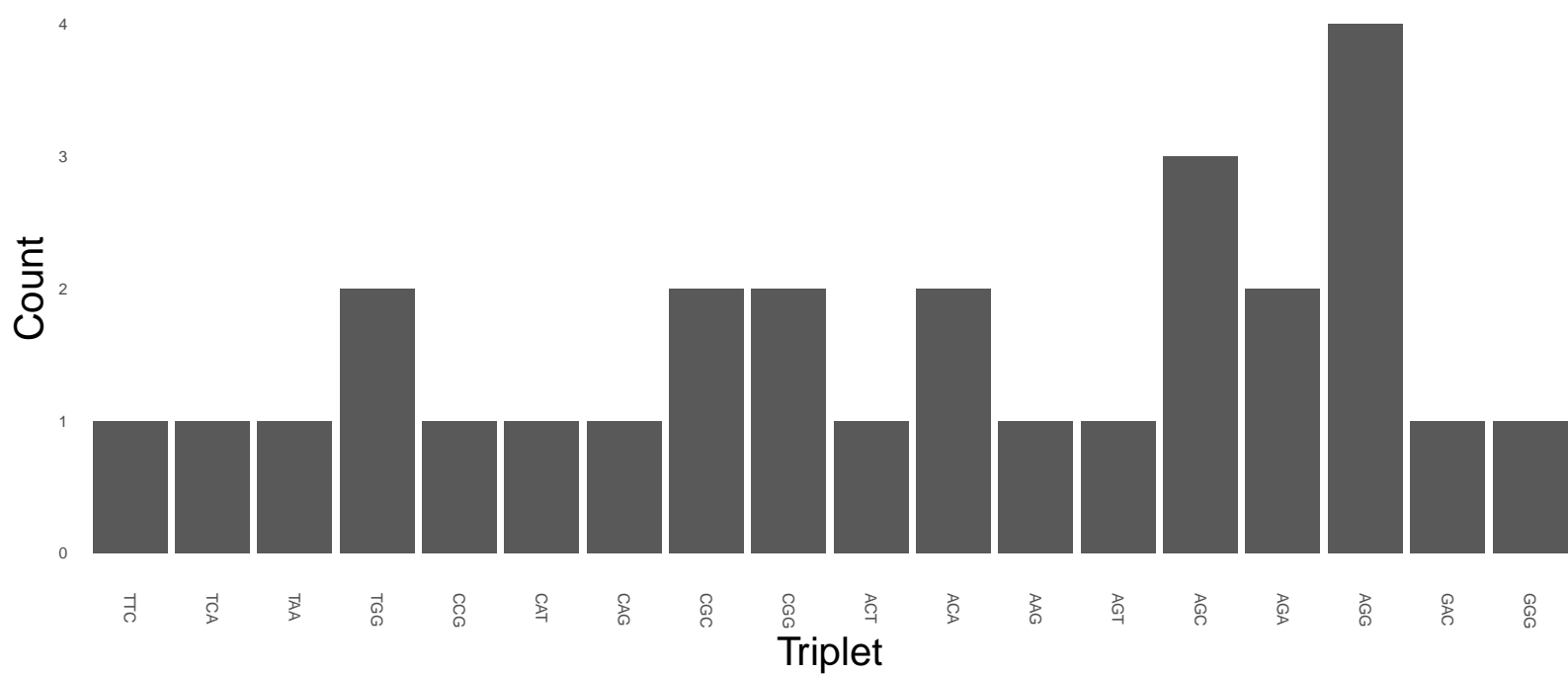
Gene TRBV7-1*ap01_T296C



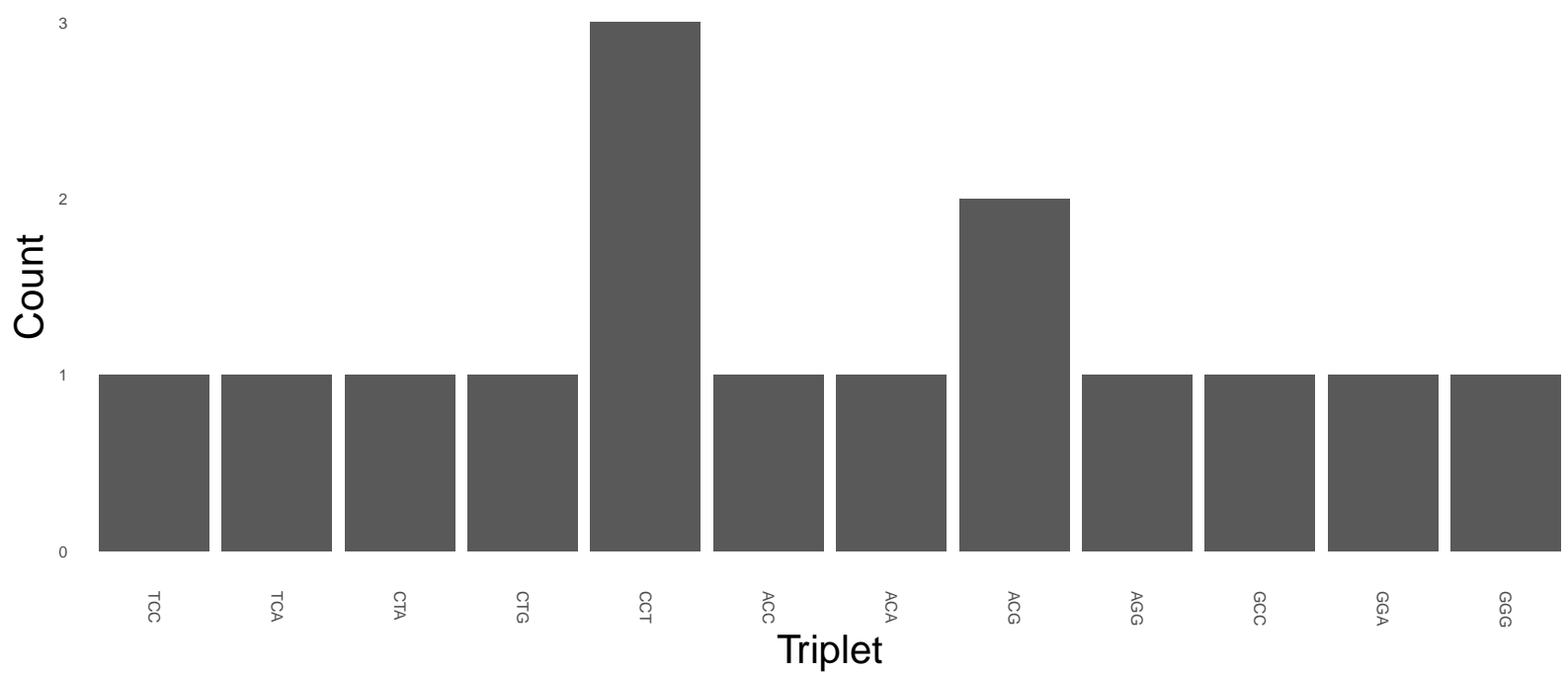
Gene TRBV7-7*ap01_C315T



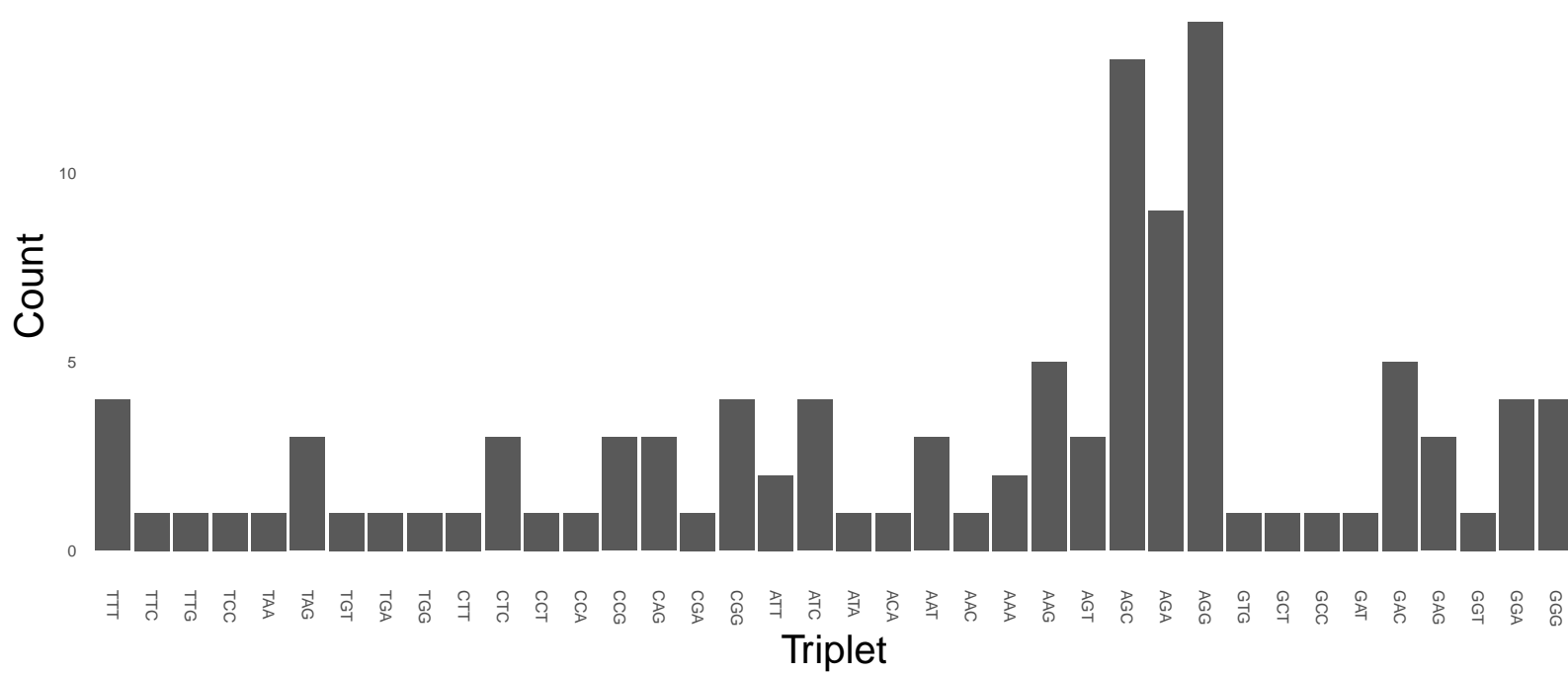
TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet



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

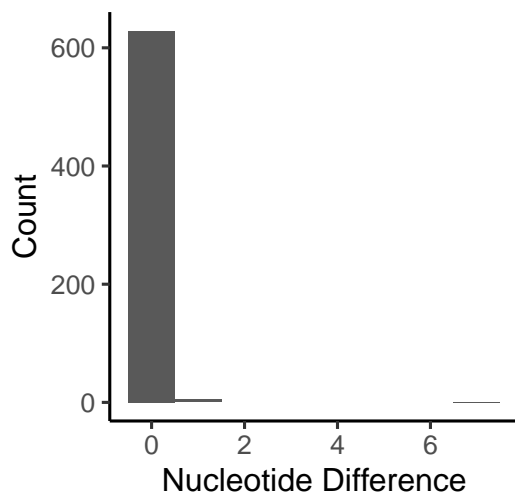


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



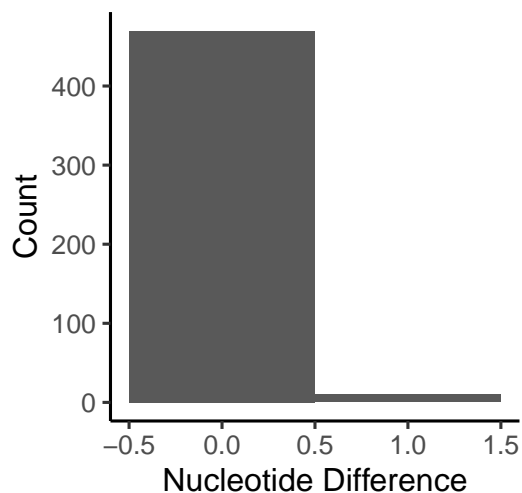
TRBV10–1*ap01

635 sequences assigned
629 (99.1%) exact matches, in which:
609 unique CDR3
13 unique J



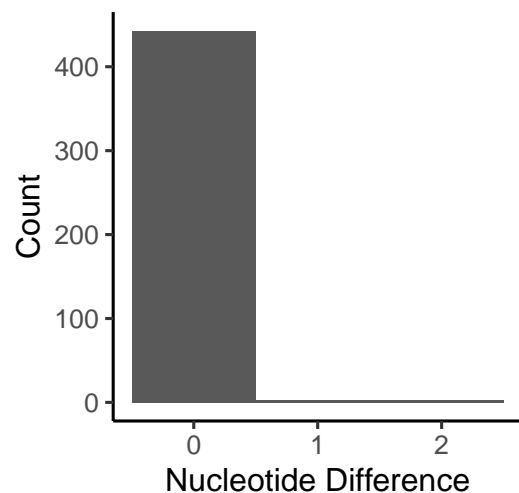
TRBV10–2*ap01

480 sequences assigned
470 (97.9%) exact matches, in which:
458 unique CDR3
13 unique J



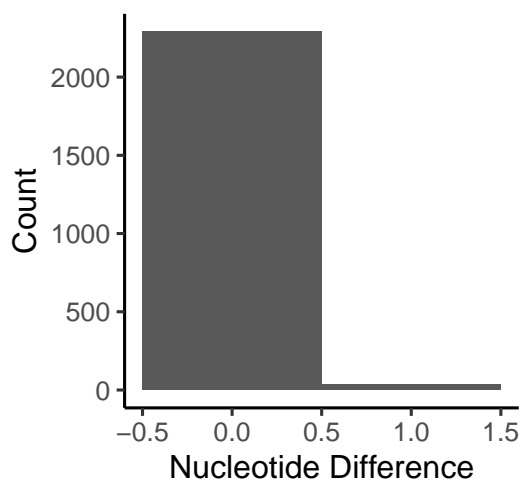
TRBV13*ap01

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



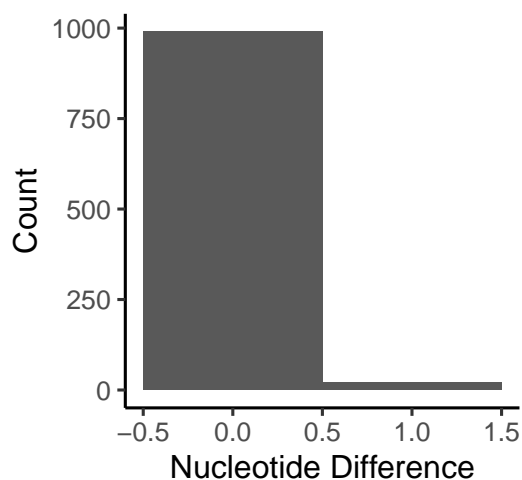
TRBV20–1*ap01

2328 sequences assigned
2290 (98.4%) exact matches, in which:
2210 unique CDR3
13 unique J



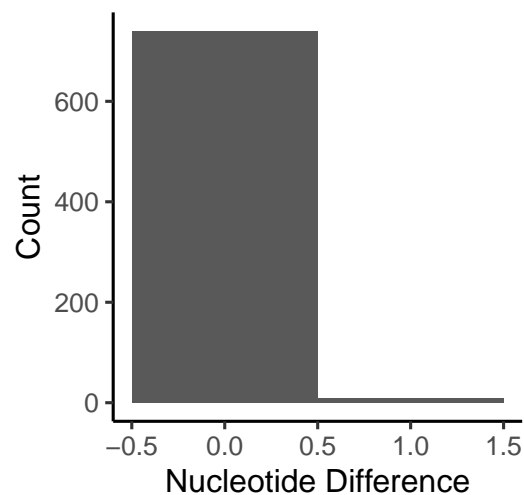
TRBV10–3*ap01

1011 sequences assigned
990 (97.9%) exact matches, in which:
963 unique CDR3
13 unique J



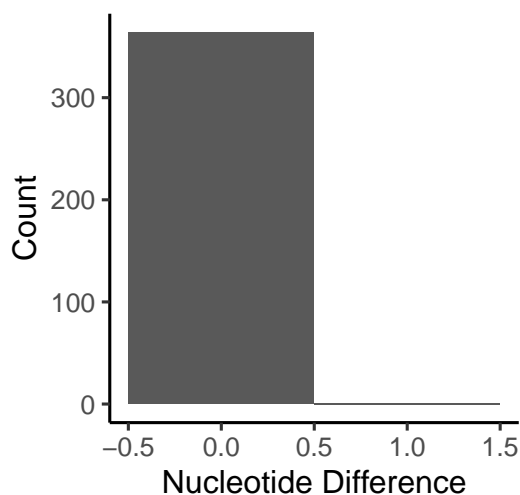
TRBV14*ap01

749 sequences assigned
740 (98.8%) exact matches, in which:
722 unique CDR3
13 unique J



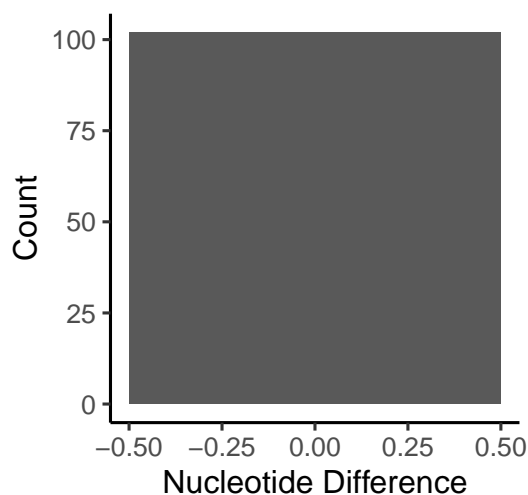
TRBV20–1*ap02

365 sequences assigned
364 (99.7%) exact matches, in which:
351 unique CDR3
13 unique J



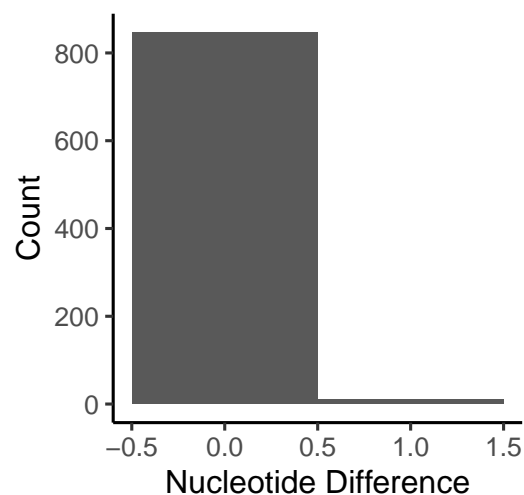
TRBV1*ap01

102 sequences assigned
102 (100%) exact matches, in which:
99 unique CDR3
13 unique J



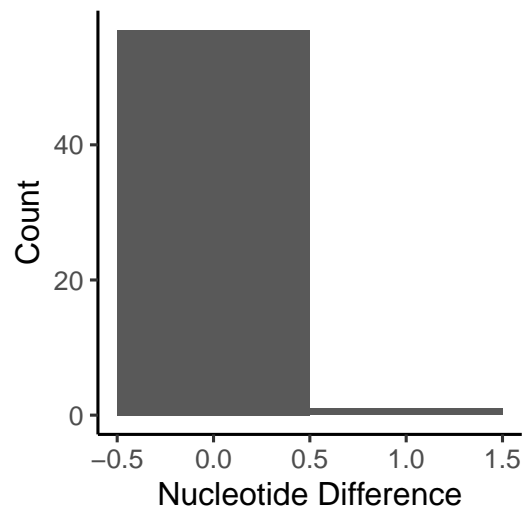
TRBV15*ap02

858 sequences assigned
847 (98.7%) exact matches, in which:
821 unique CDR3
13 unique J



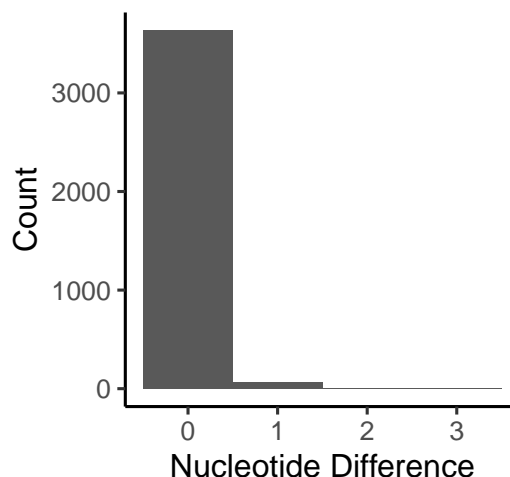
TRBV16*ap01

58 sequences assigned
57 (98.3%) exact matches, in which:
55 unique CDR3
10 unique J



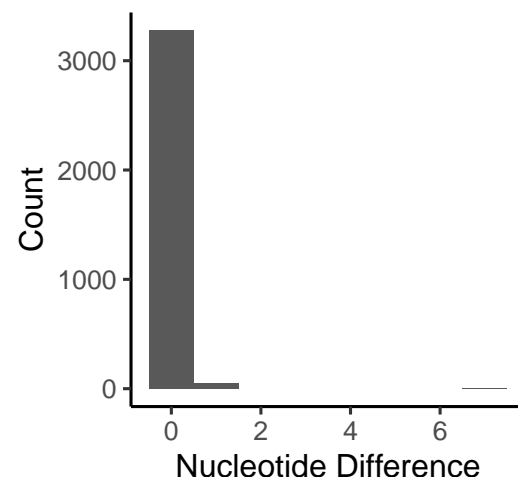
TRBV19*ap01

3702 sequences assigned
3634 (98.2%) exact matches, in which:
3532 unique CDR3
13 unique J



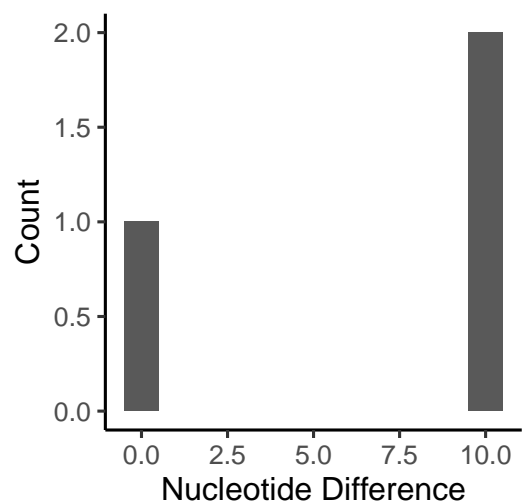
TRBV28*ap01

3330 sequences assigned
3277 (98.4%) exact matches, in which:
3154 unique CDR3
13 unique J



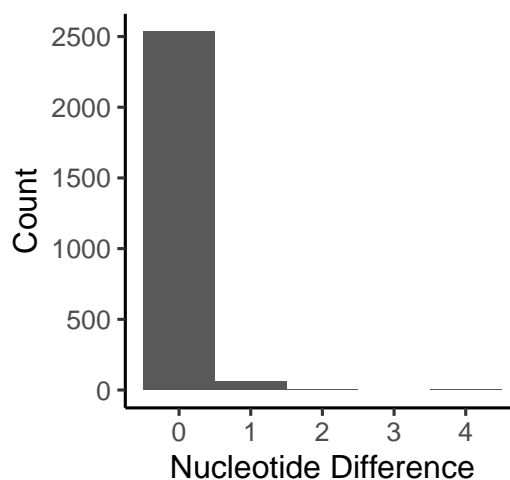
TRBV17*ap01

3 sequences assigned
1 (33.3%) exact matches, in which:
1 unique CDR3
1 unique J



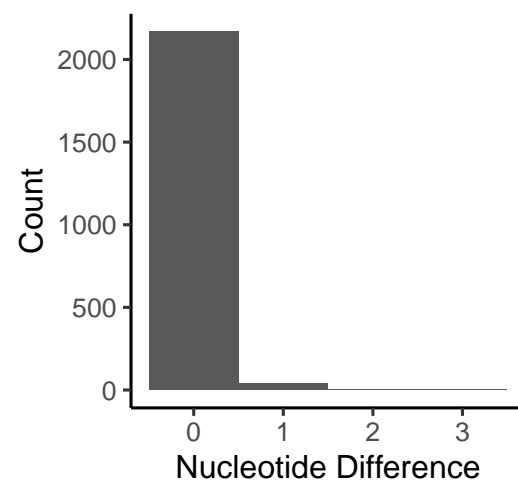
TRBV2*ap01

2597 sequences assigned
2534 (97.6%) exact matches, in which:
2460 unique CDR3
13 unique J



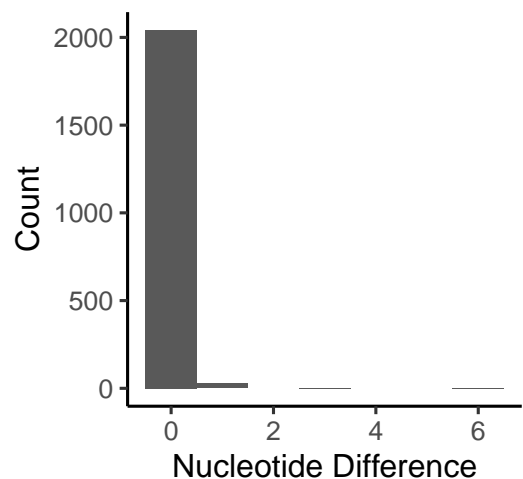
TRBV30*ap01

2212 sequences assigned
2168 (98%) exact matches, in which:
2109 unique CDR3
13 unique J



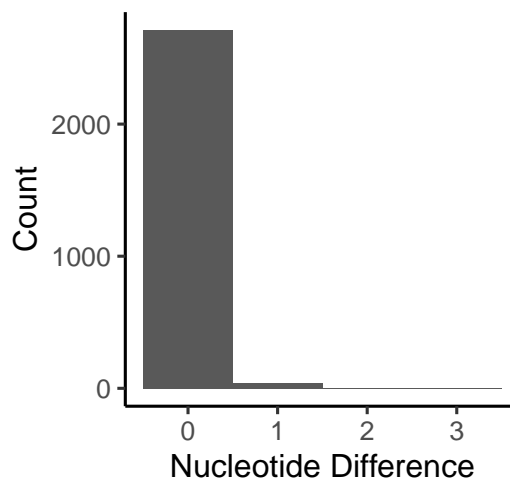
TRBV18*ap01

2073 sequences assigned
2042 (98.5%) exact matches, in which:
1982 unique CDR3
13 unique J



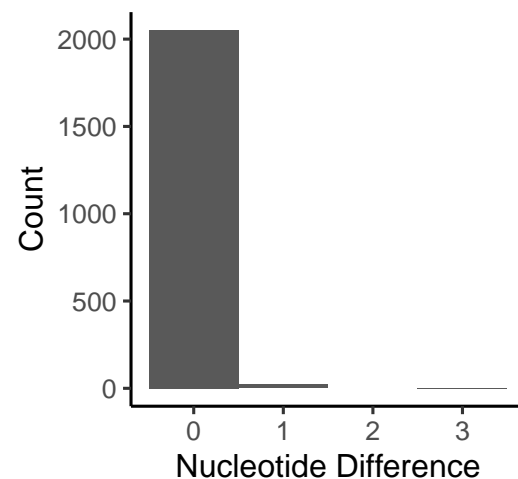
TRBV27*ap01

2758 sequences assigned
2712 (98.3%) exact matches, in which:
2598 unique CDR3
13 unique J



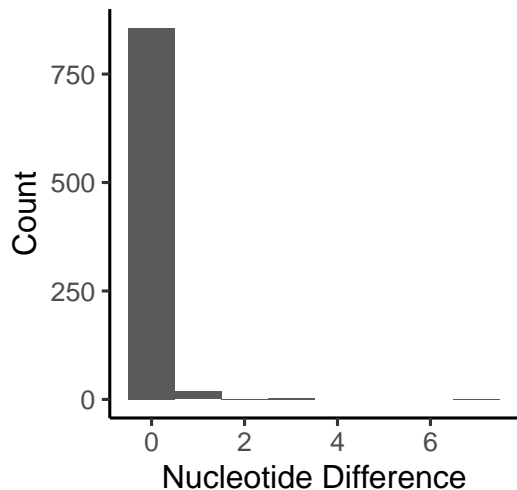
TRBV9*ap01

2075 sequences assigned
2052 (98.9%) exact matches, in which:
1995 unique CDR3
13 unique J



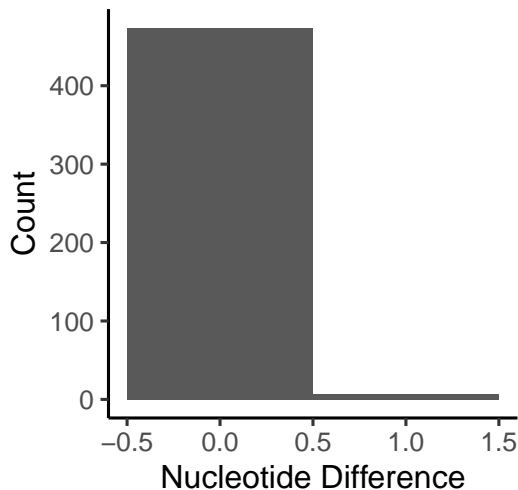
TRBV21–1*ap01

880 sequences assigned
857 (97.4%) exact matches, in which:
838 unique CDR3
13 unique J



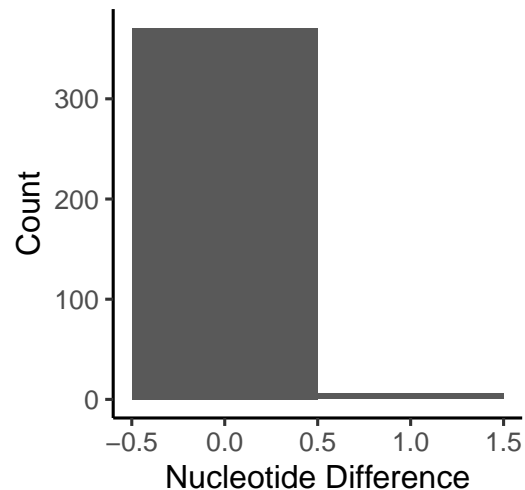
TRBV11–3*ap01

481 sequences assigned
474 (98.5%) exact matches, in which:
463 unique CDR3
13 unique J



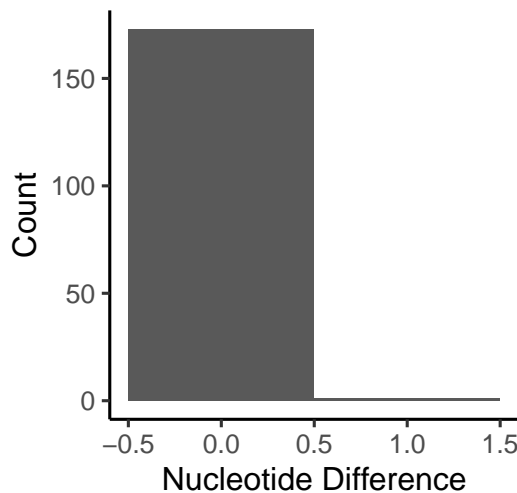
TRBV12–5*ap01

377 sequences assigned
371 (98.4%) exact matches, in which:
364 unique CDR3
13 unique J



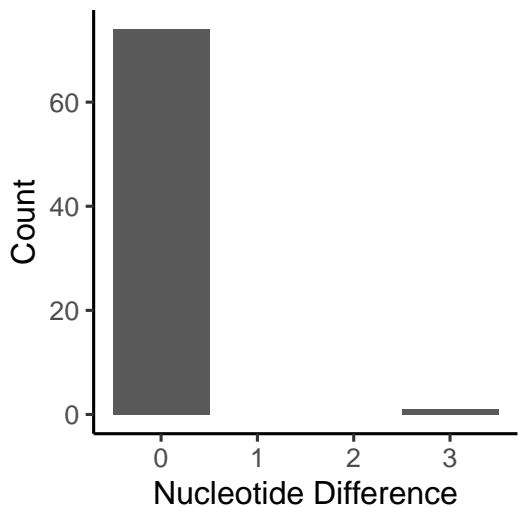
TRBV11–1*ap01

174 sequences assigned
173 (99.4%) exact matches, in which:
169 unique CDR3
12 unique J



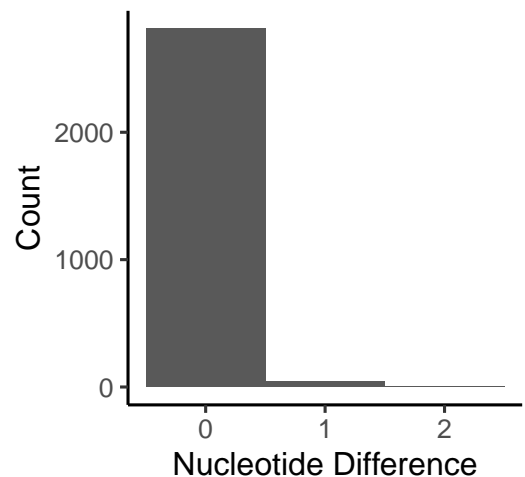
TRBV12–1*ap01

75 sequences assigned
74 (98.7%) exact matches, in which:
72 unique CDR3
12 unique J



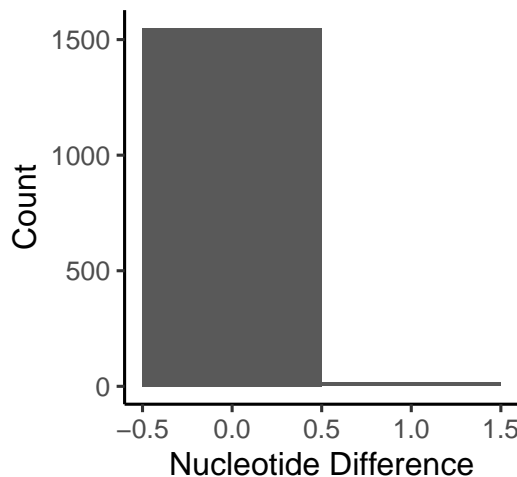
TRBV12–34*ap01

2860 sequences assigned
2813 (98.4%) exact matches, in which:
2735 unique CDR3
13 unique J



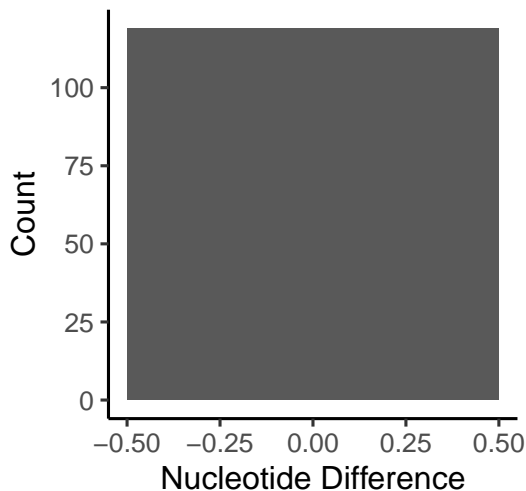
TRBV11–2*ap01

1566 sequences assigned
1550 (99%) exact matches, in which:
1503 unique CDR3
13 unique J



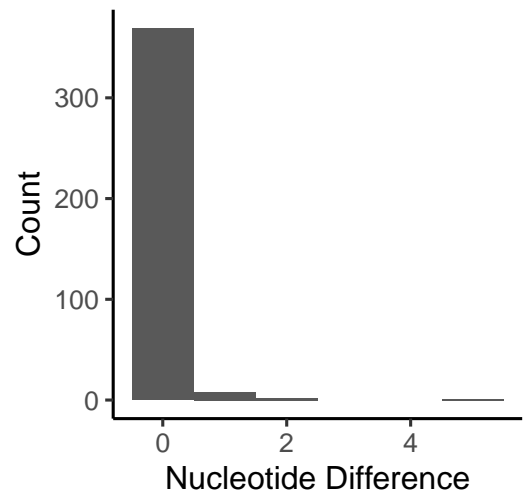
TRBV12–2*ap01

119 sequences assigned
119 (100%) exact matches, in which:
115 unique CDR3
13 unique J



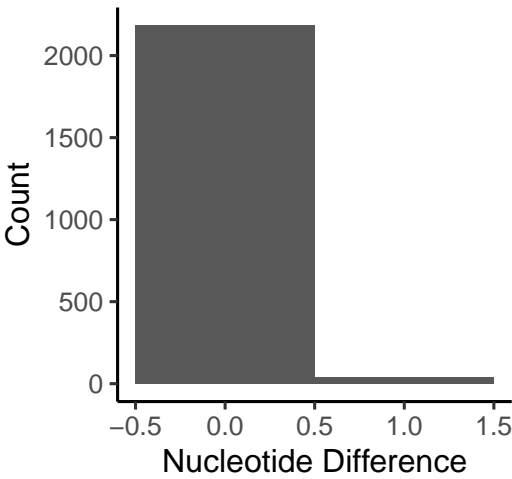
TRBV23–1*ap01

380 sequences assigned
369 (97.1%) exact matches, in which:
361 unique CDR3
13 unique J



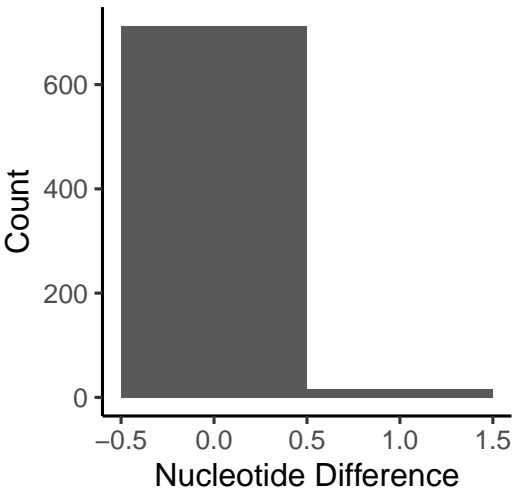
TRBV3-12*ap01

2223 sequences assigned
2184 (98.2%) exact matches, in which:
2134 unique CDR3
13 unique J



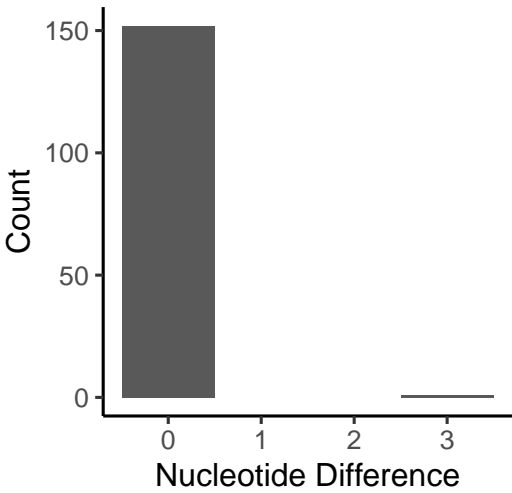
TRBV4-2*ap01

729 sequences assigned
713 (97.8%) exact matches, in which:
689 unique CDR3
13 unique J



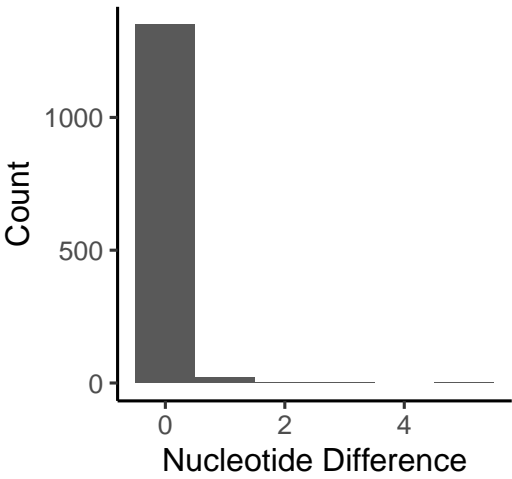
TRBV5-3*ap01

153 sequences assigned
152 (99.3%) exact matches, in which:
146 unique CDR3
13 unique J



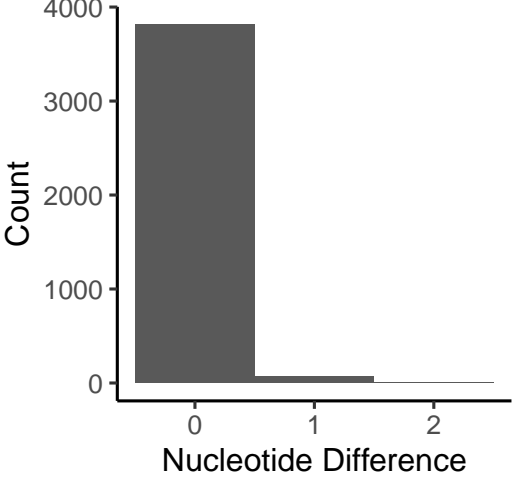
TRBV24-1*ap01

1373 sequences assigned
1349 (98.3%) exact matches, in which:
1310 unique CDR3
13 unique J



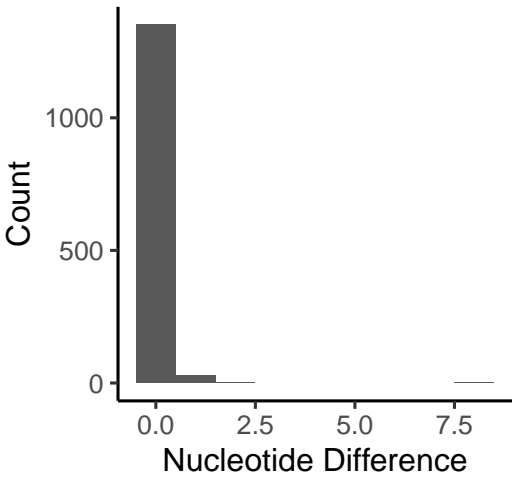
TRBV5-1*ap01

3878 sequences assigned
3812 (98.3%) exact matches, in which:
3668 unique CDR3
13 unique J



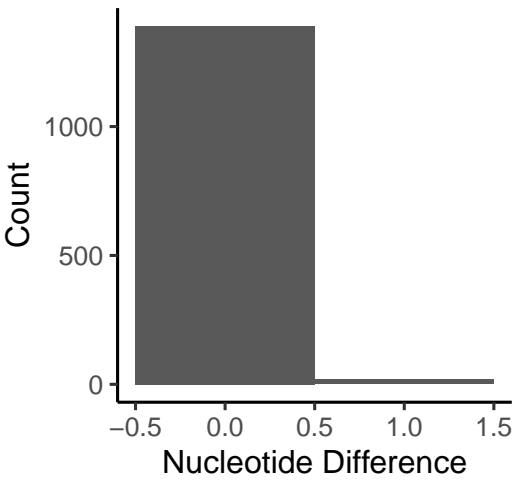
TRBV5-4*ap01

1380 sequences assigned
1351 (97.9%) exact matches, in which:
1308 unique CDR3
13 unique J



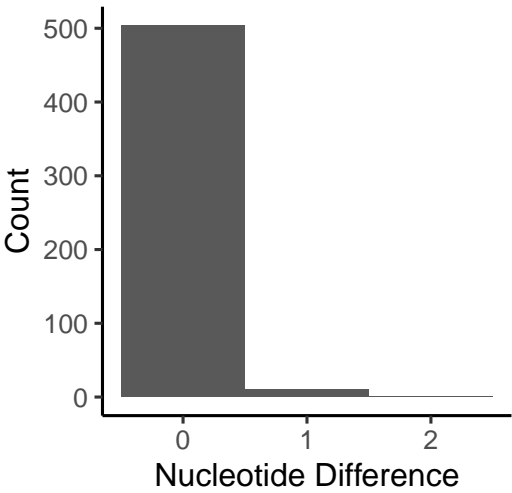
TRBV4-1*ap01

1408 sequences assigned
1390 (98.7%) exact matches, in which:
1348 unique CDR3
13 unique J



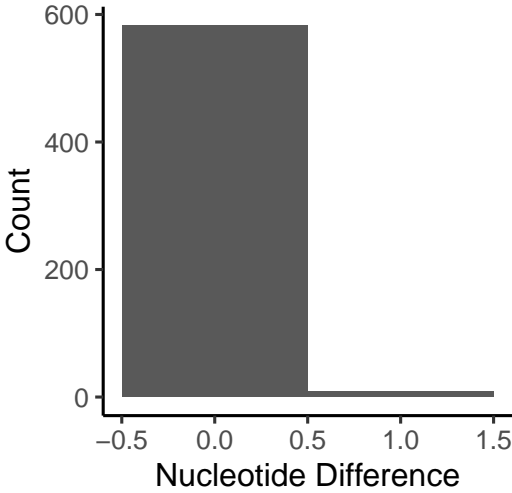
TRBV25-1*ap01

515 sequences assigned
504 (97.9%) exact matches, in which:
493 unique CDR3
13 unique J



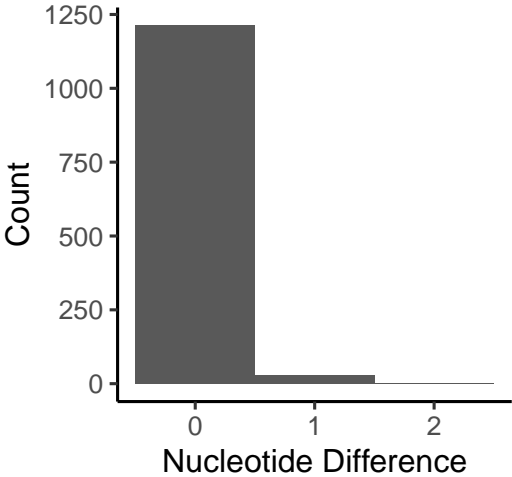
TRBV5-5*ap01

591 sequences assigned
583 (98.6%) exact matches, in which:
566 unique CDR3
13 unique J



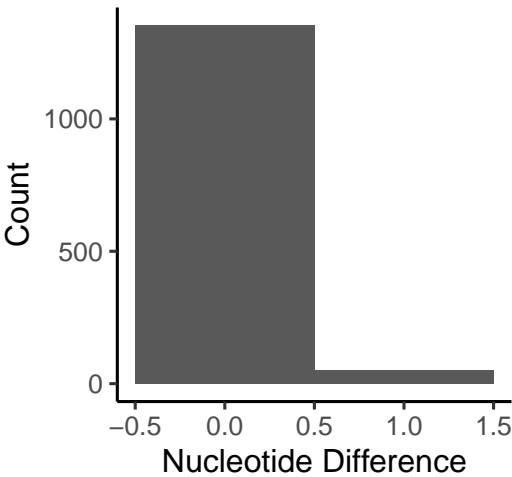
TRBV5-6*ap01

1243 sequences assigned
1213 (97.6%) exact matches, in which:
1173 unique CDR3
13 unique J



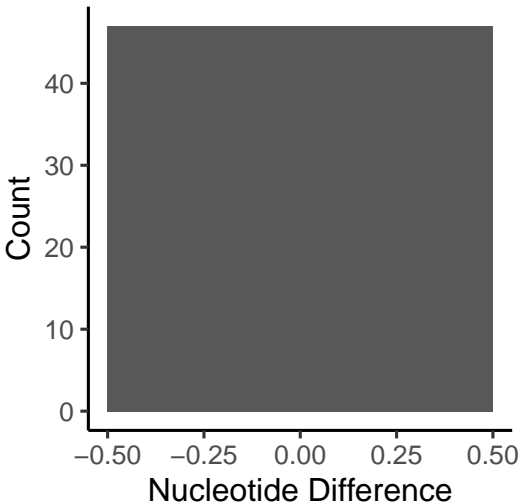
TRBV6-1*ap01

1403 sequences assigned
1353 (96.4%) exact matches, in which:
1319 unique CDR3
13 unique J



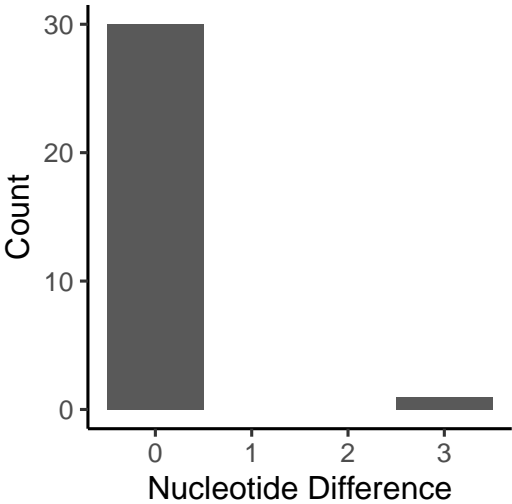
TRBV6-8*ap01

47 sequences assigned
47 (100%) exact matches, in which:
46 unique CDR3
12 unique J



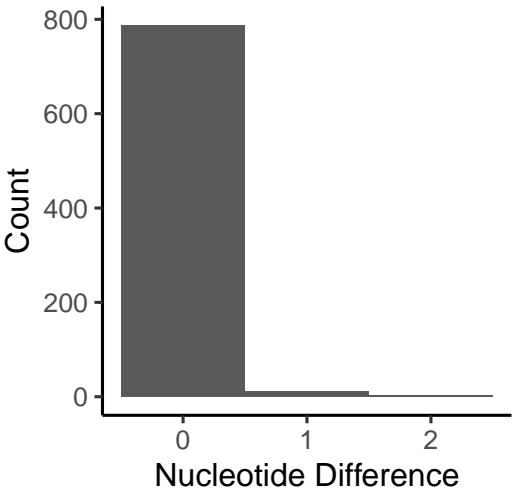
TRBV5-7*ap01

31 sequences assigned
30 (96.8%) exact matches, in which:
27 unique CDR3
8 unique J



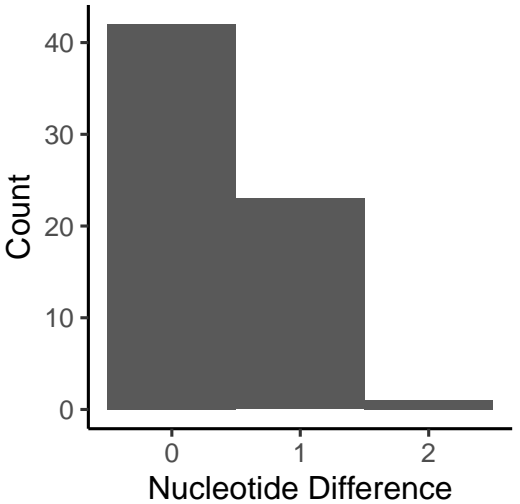
TRBV6-4*ap01

804 sequences assigned
788 (98%) exact matches, in which:
772 unique CDR3
13 unique J



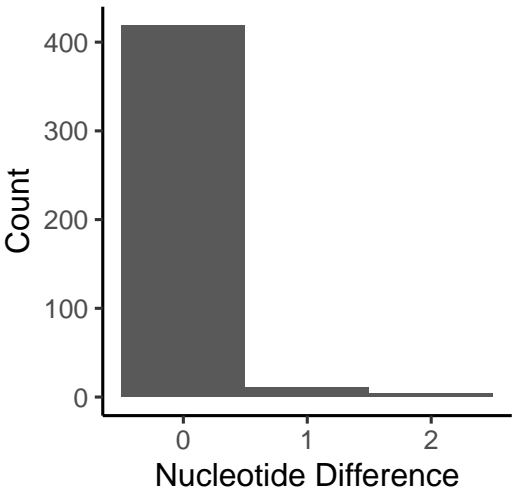
TRBV6-9*ap01

66 sequences assigned
42 (63.6%) exact matches, in which:
42 unique CDR3
13 unique J



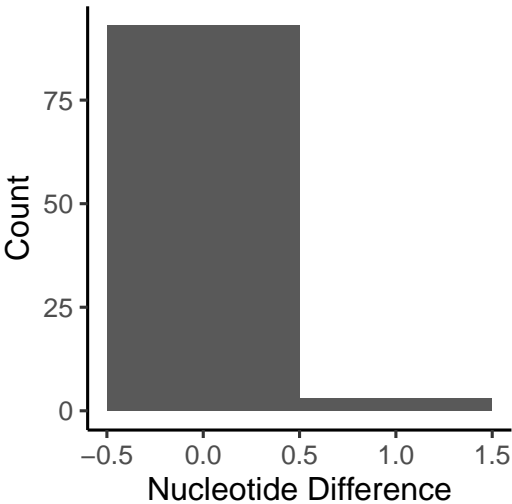
TRBV5-8*ap01

434 sequences assigned
419 (96.5%) exact matches, in which:
406 unique CDR3
13 unique J



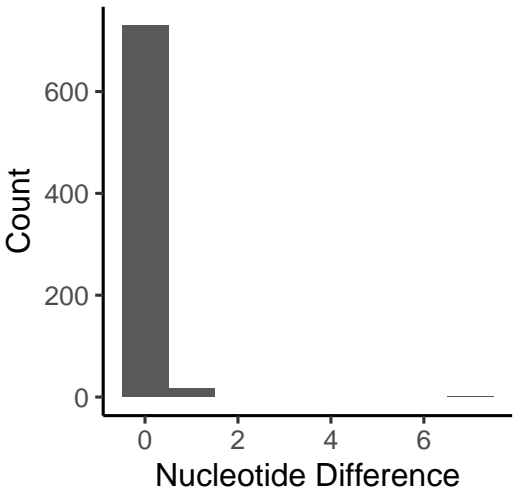
TRBV6-7*ap01

96 sequences assigned
93 (96.9%) exact matches, in which:
92 unique CDR3
12 unique J



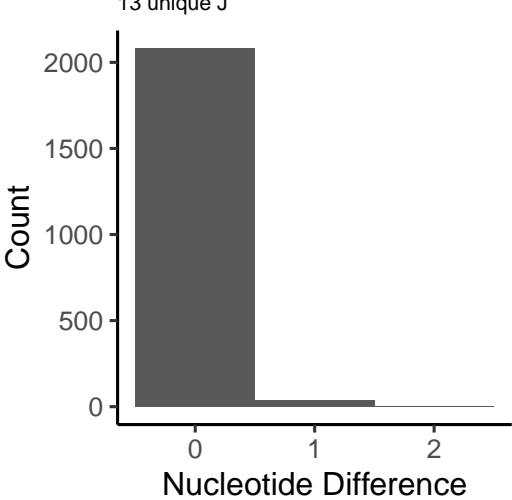
TRBV6-23*ap01

748 sequences assigned
730 (97.6%) exact matches, in which:
702 unique CDR3
13 unique J



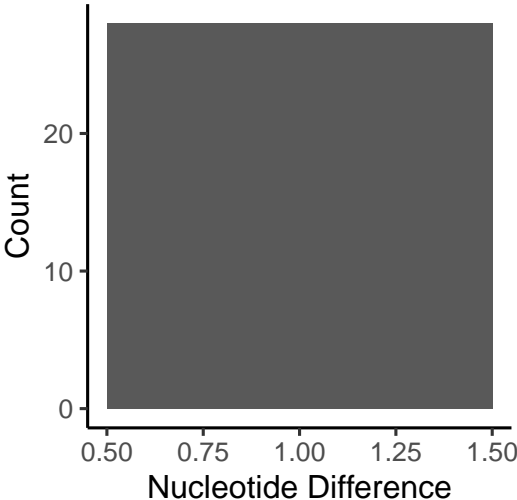
TRBV6-56*ap01

2121 sequences assigned
2081 (98.1%) exact matches, in which:
2002 unique CDR3
13 unique J



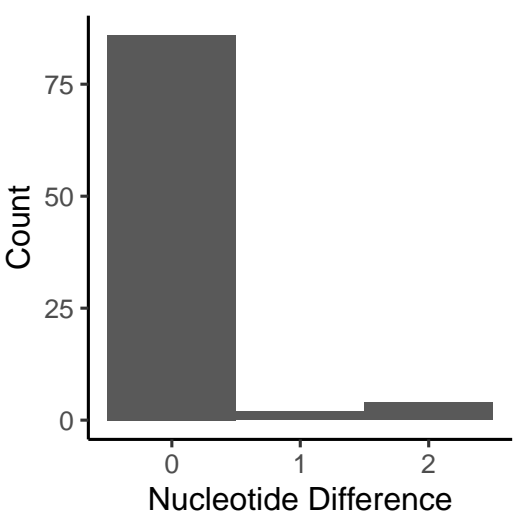
TRBV7-1*ap01_T296C_C

28 sequences assigned
No exact matches.



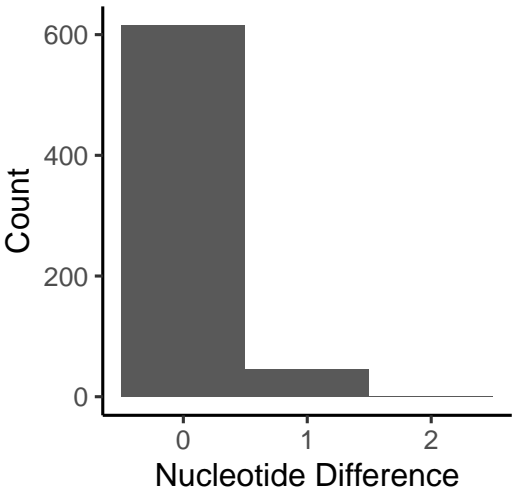
TRBV7-4*ap01

92 sequences assigned
86 (93.5%) exact matches, in which:
84 unique CDR3
12 unique J



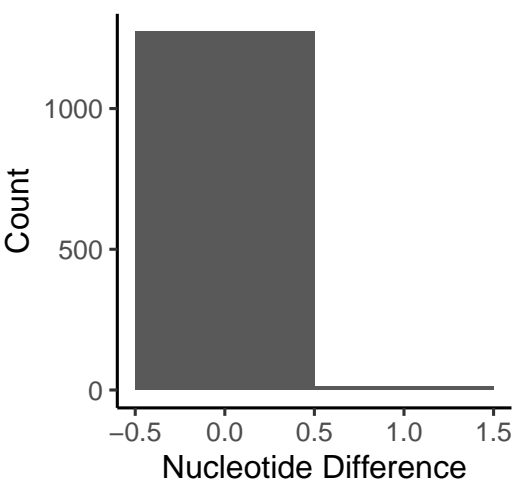
TRBV6-56*ap02

662 sequences assigned
616 (93.1%) exact matches, in which:
590 unique CDR3
13 unique J



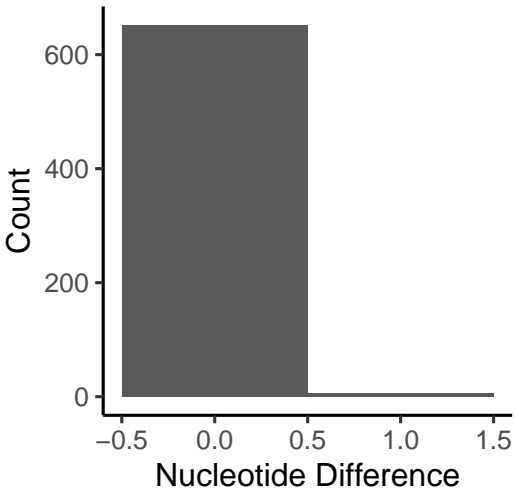
TRBV7-2*ap01

1285 sequences assigned
1273 (99.1%) exact matches, in which:
1232 unique CDR3
13 unique J



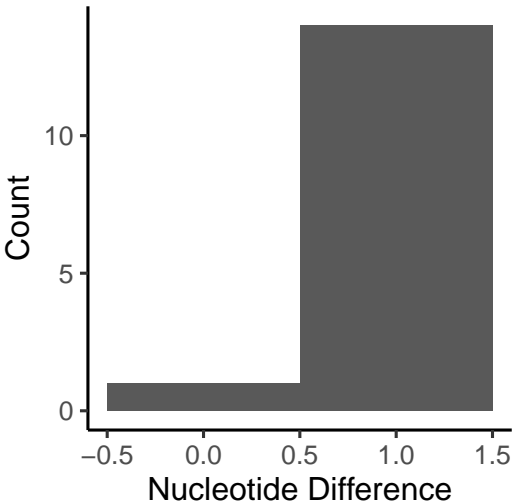
TRBV7-6*ap01

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



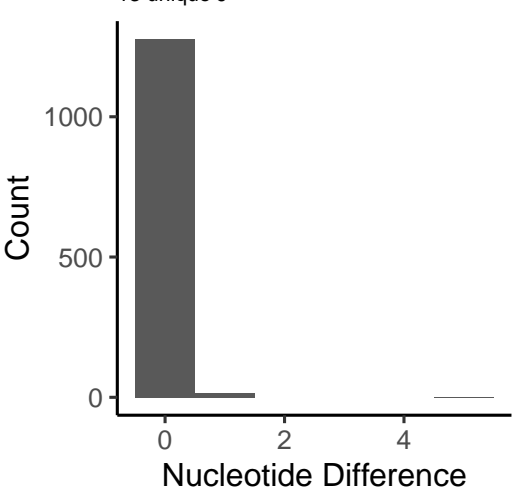
TRBV7-1*ap01_T296C

15 sequences assigned
1 (6.7%) exact matches, in which:
1 unique CDR3
1 unique J



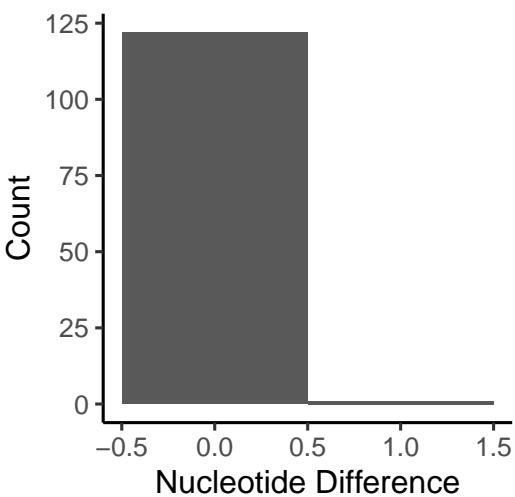
TRBV7-3*ap01

1293 sequences assigned
1277 (98.8%) exact matches, in which:
1237 unique CDR3
13 unique J



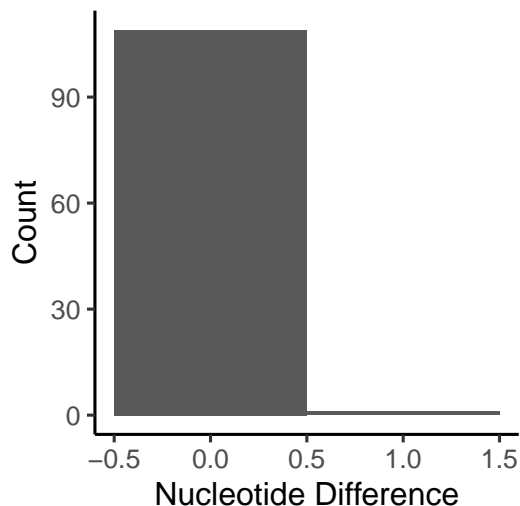
TRBV7-7*ap01

123 sequences assigned
122 (99.2%) exact matches, in which:
119 unique CDR3
12 unique J



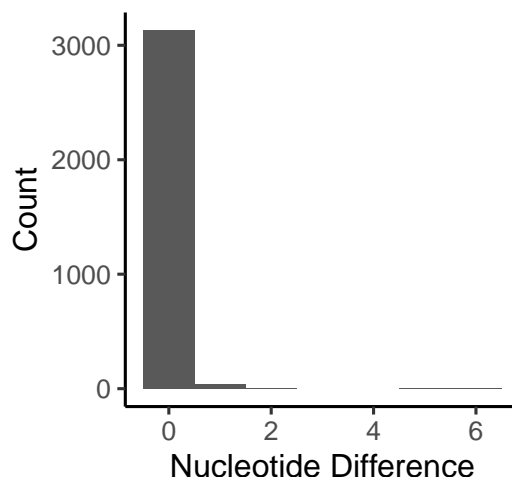
TRBV7-7*ap01_C315T

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



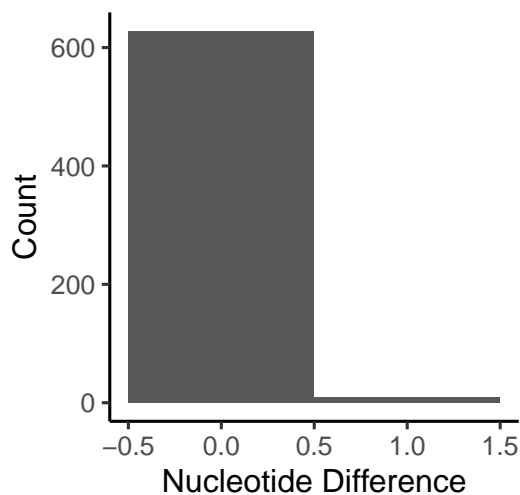
TRBV7-9*ap01

3171 sequences assigned
3130 (98.7%) exact matches, in which:
3046 unique CDR3
13 unique J



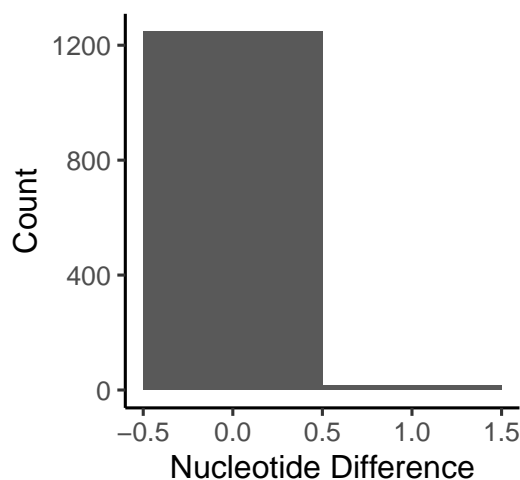
TRBV7-8*ap01

637 sequences assigned
628 (98.6%) exact matches, in which:
604 unique CDR3
13 unique J



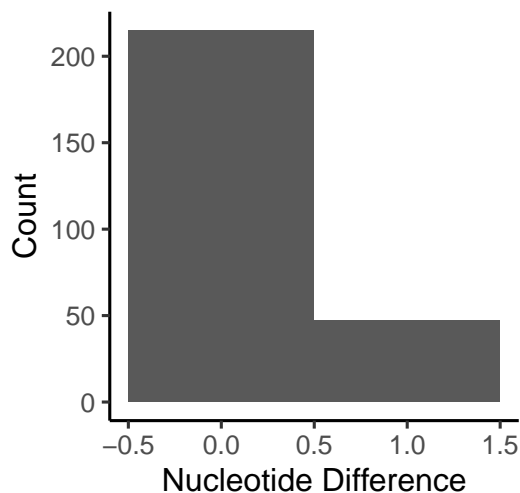
TRBV29-1*ap01

1264 sequences assigned
1247 (98.7%) exact matches, in which:
1201 unique CDR3
13 unique J



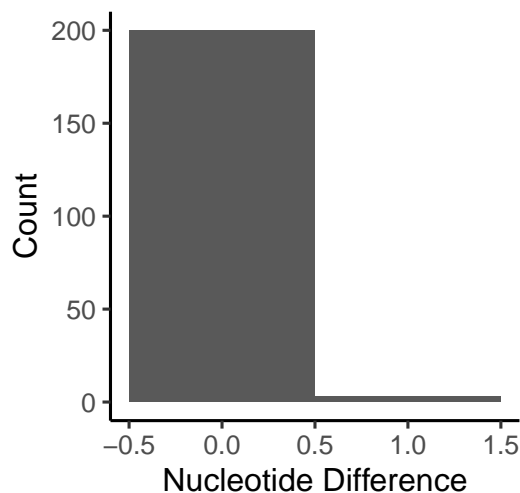
TRBV7-8*ap03

262 sequences assigned
215 (82.1%) exact matches, in which:
206 unique CDR3
12 unique J

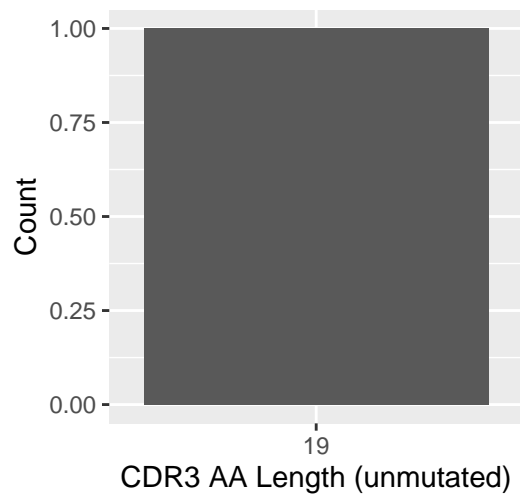


TRBV29-1*ap02

203 sequences assigned
200 (98.5%) exact matches, in which:
195 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

