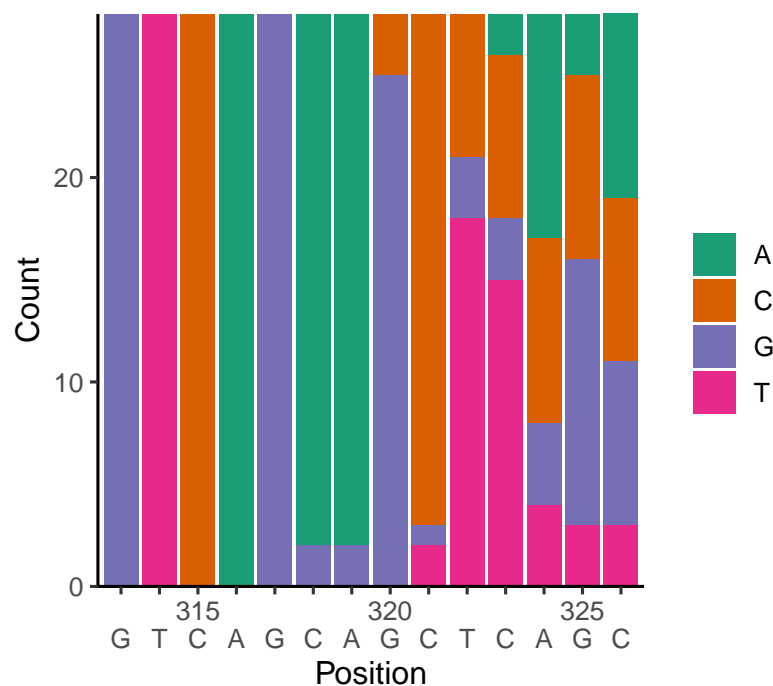
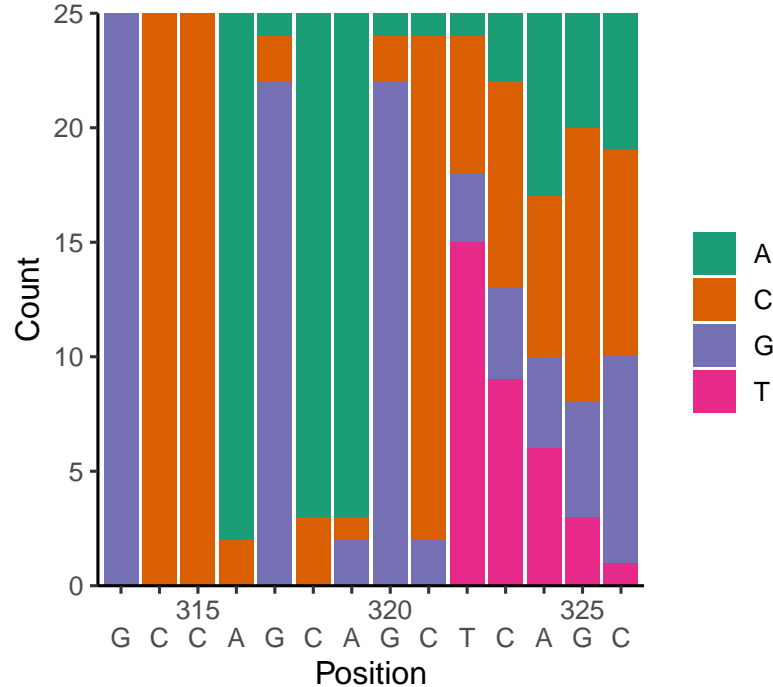


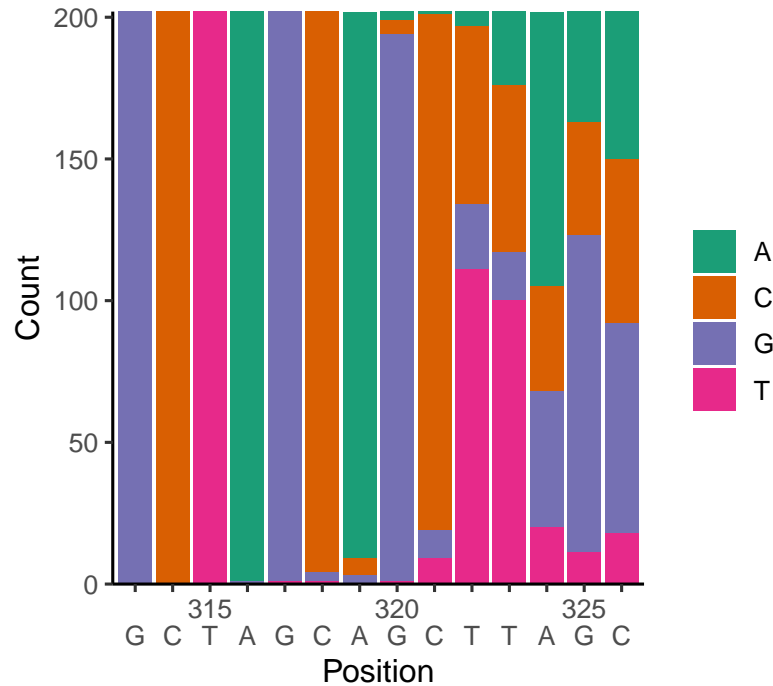
Gene TRBV7-1*ap01_G291C_T296C_C314T



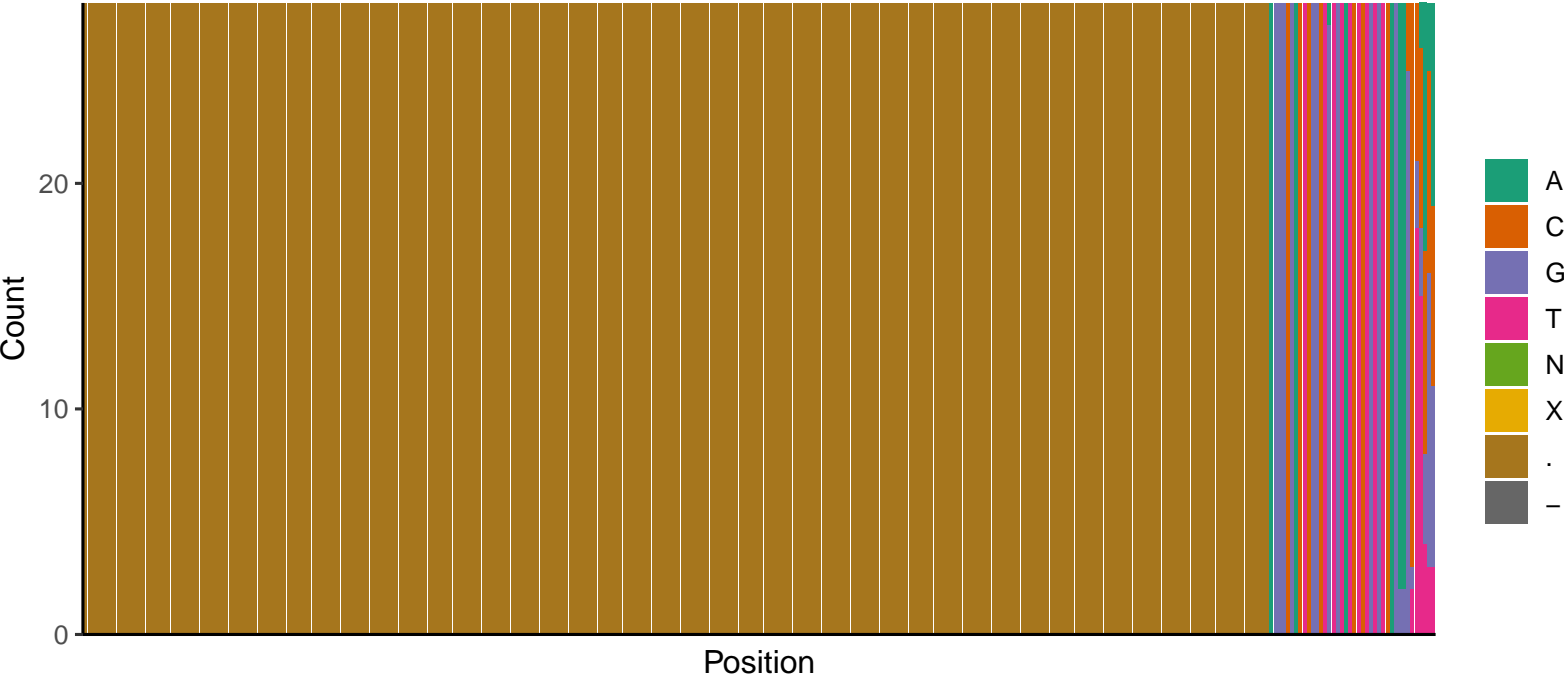
Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-7*ap01_C315T



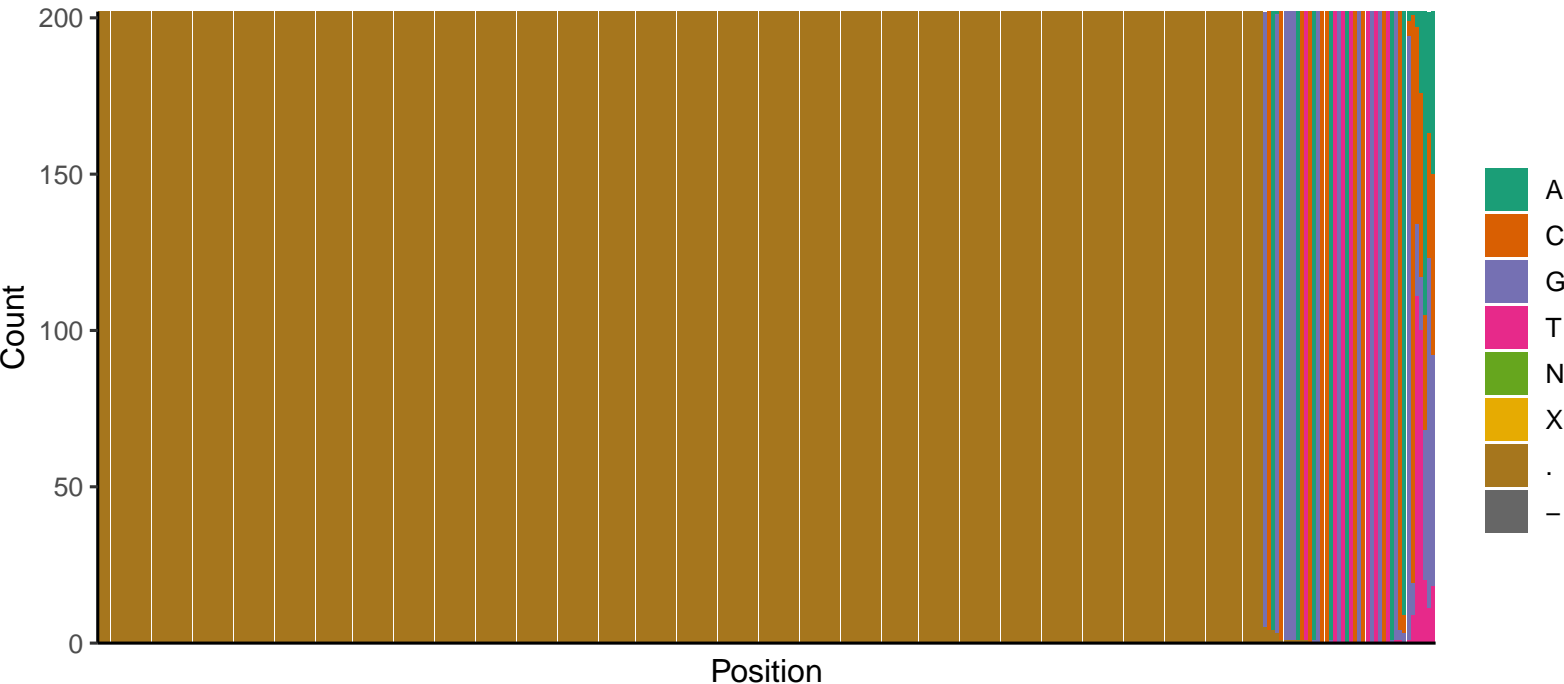
Gene TRBV7-1*ap01_G291C_T296C_C314T



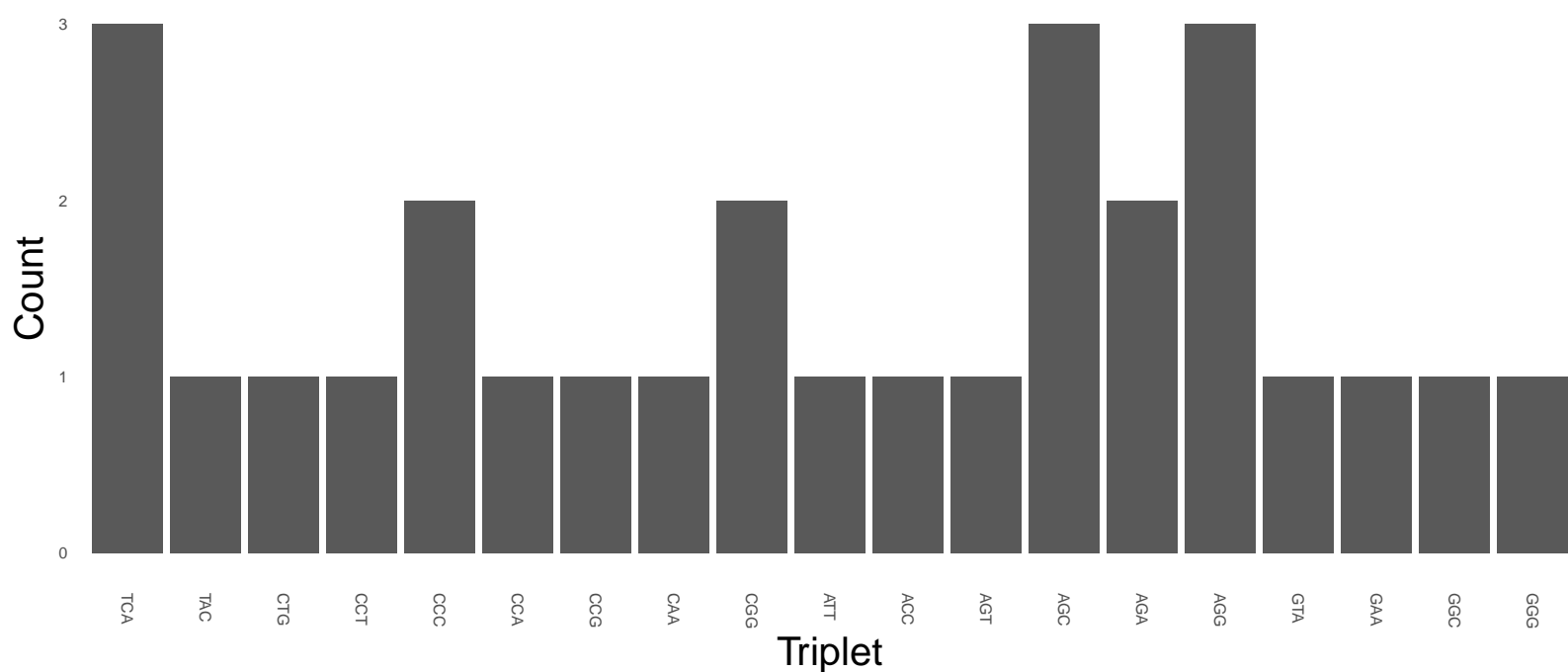
Gene TRBV7-1*ap01_G291C_T296C



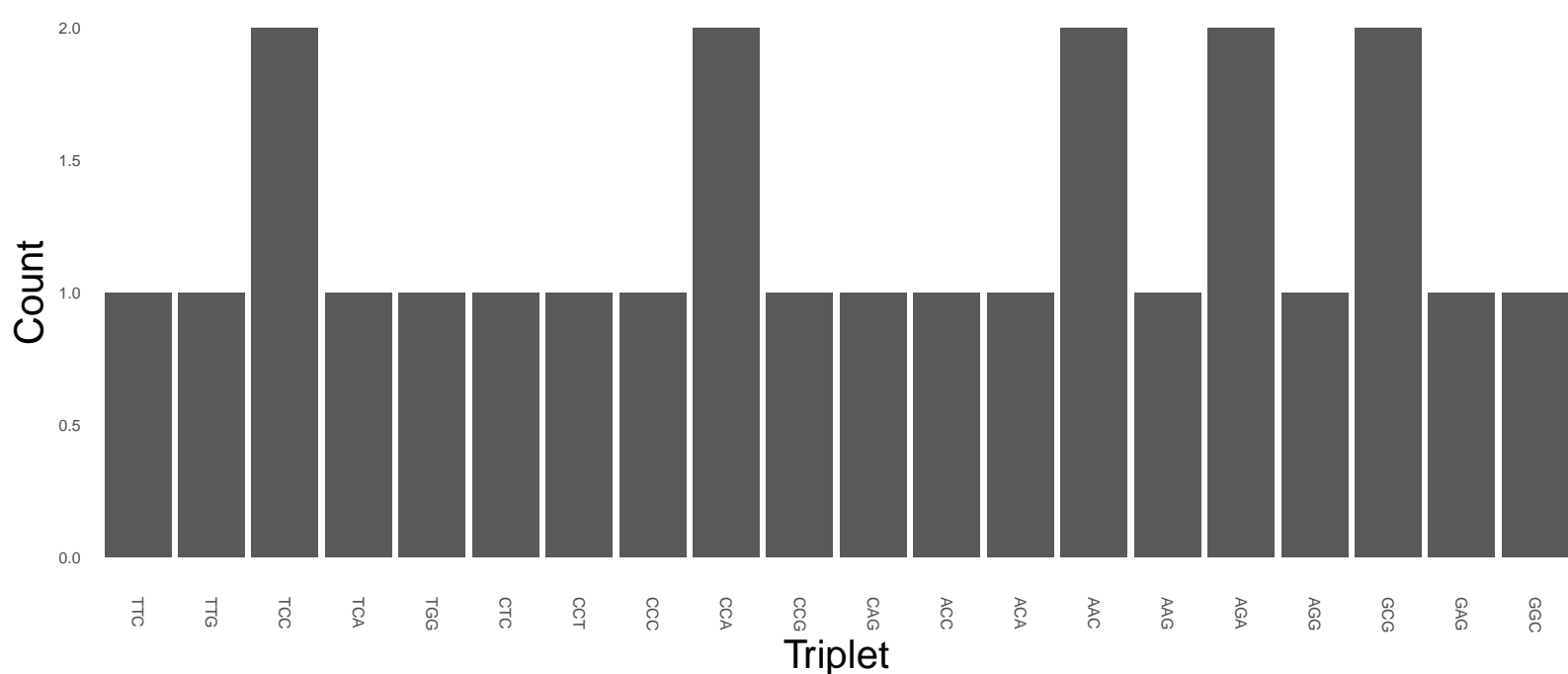
Gene TRBV7-7*ap01_C315T



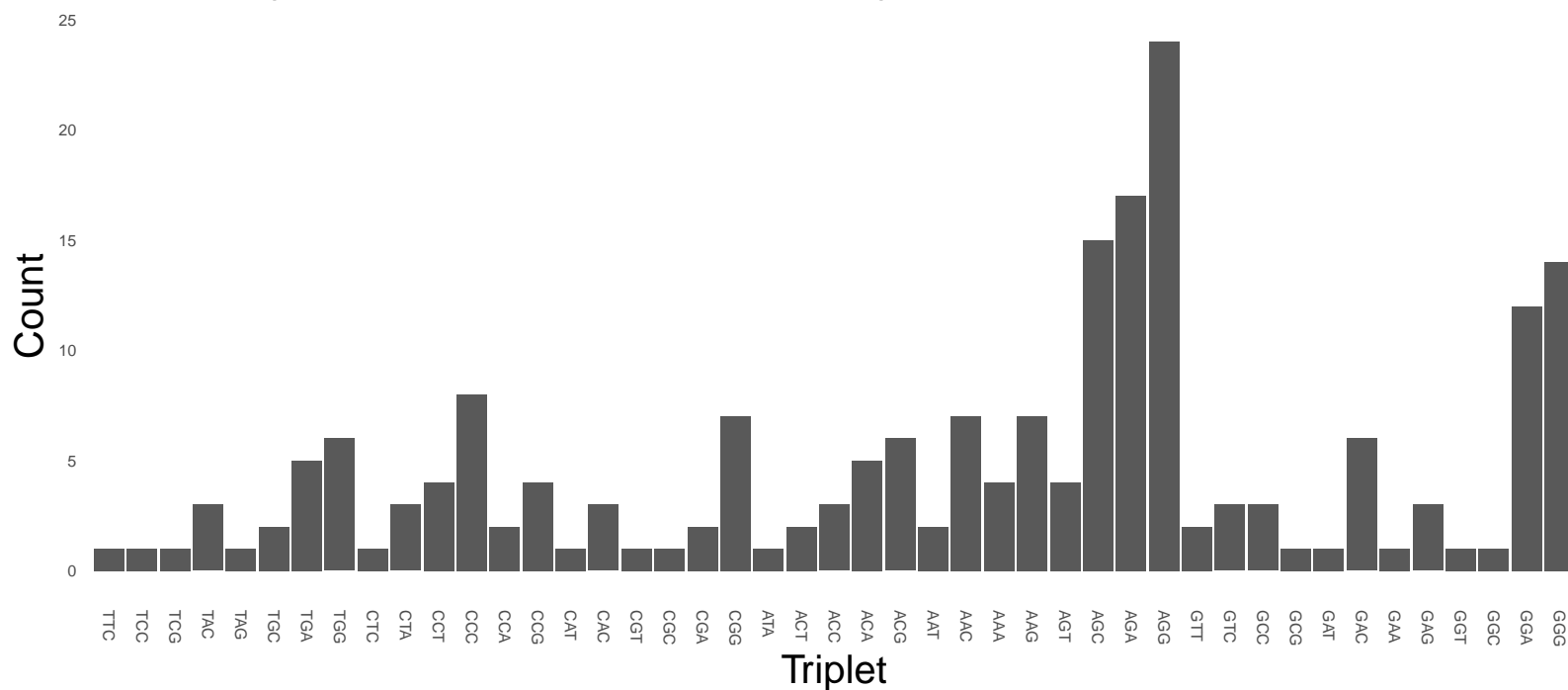
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet

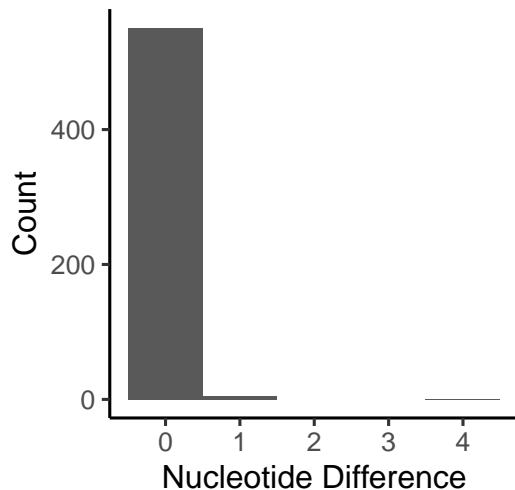


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



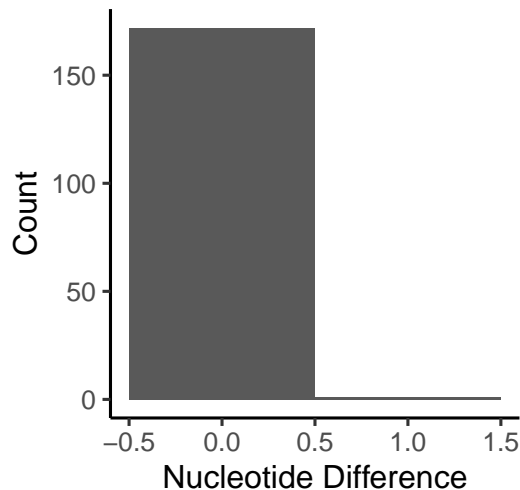
TRBV10–1*ap01

557 sequences assigned
551 (98.9%) exact matches, in which:
540 unique CDR3
13 unique J



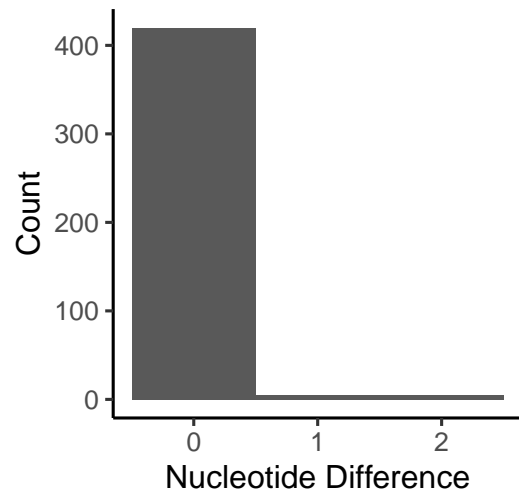
TRBV10–2*ap01

173 sequences assigned
172 (99.4%) exact matches, in which:
170 unique CDR3
12 unique J



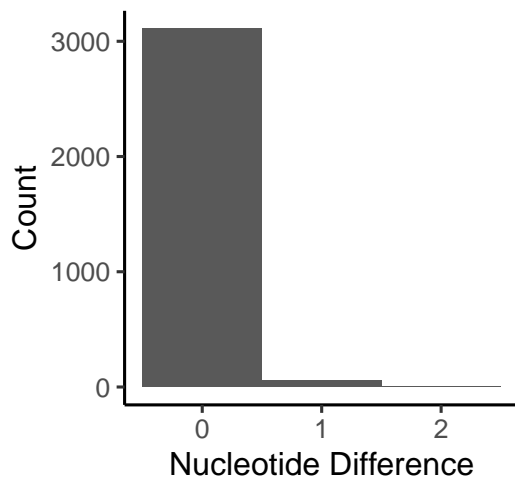
TRBV13*ap01

430 sequences assigned
420 (97.7%) exact matches, in which:
399 unique CDR3
13 unique J



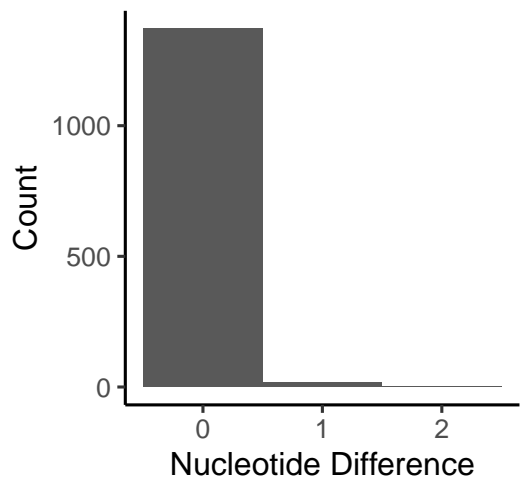
TRBV20–1*ap01

3170 sequences assigned
3109 (98.1%) exact matches, in which:
3044 unique CDR3
13 unique J



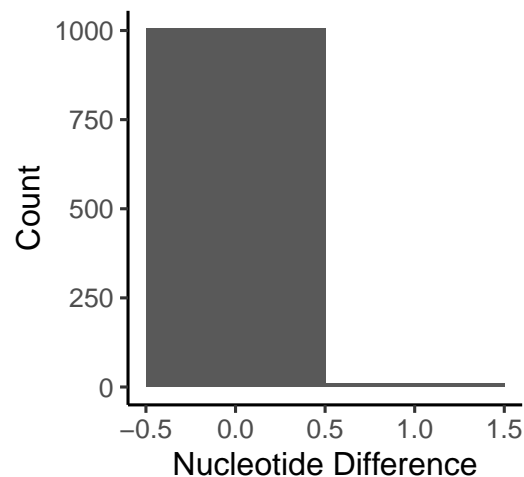
TRBV10–3*ap01

1390 sequences assigned
1371 (98.6%) exact matches, in which:
1337 unique CDR3
13 unique J



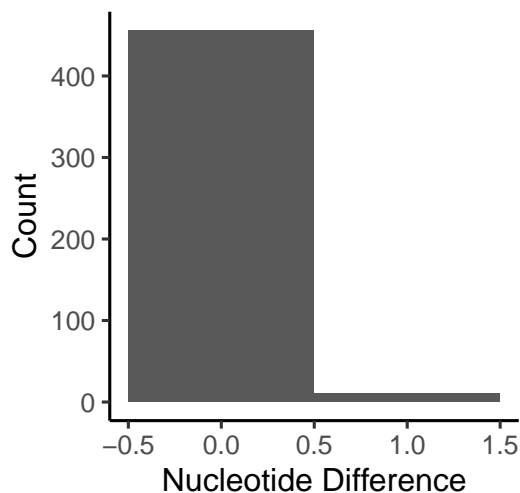
TRBV14*ap01

1015 sequences assigned
1005 (99%) exact matches, in which:
975 unique CDR3
13 unique J



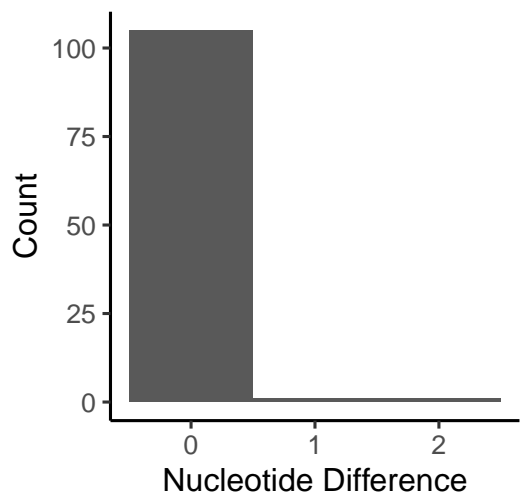
TRBV20–1*ap02

466 sequences assigned
456 (97.9%) exact matches, in which:
451 unique CDR3
13 unique J



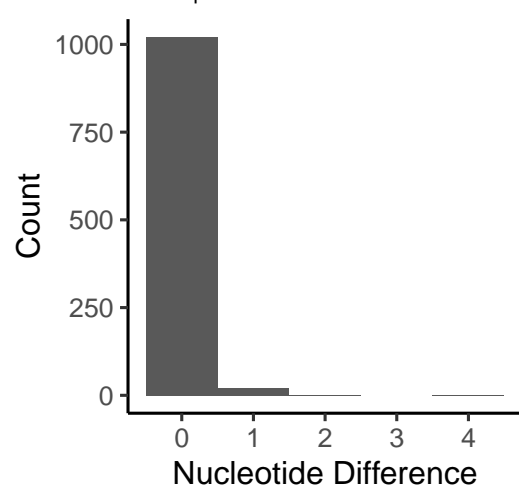
TRBV1*ap01

107 sequences assigned
105 (98.1%) exact matches, in which:
104 unique CDR3
13 unique J



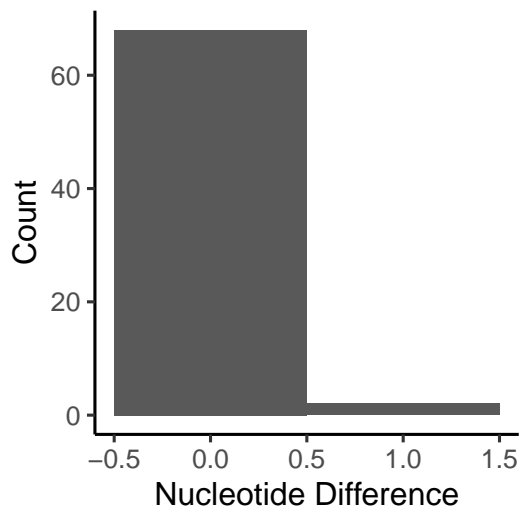
TRBV15*ap02

1044 sequences assigned
1021 (97.8%) exact matches, in which:
994 unique CDR3
13 unique J



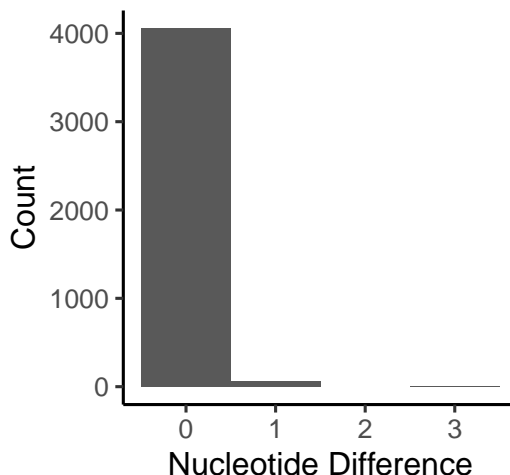
TRBV16*ap01

70 sequences assigned
68 (97.1%) exact matches, in which:
67 unique CDR3
12 unique J



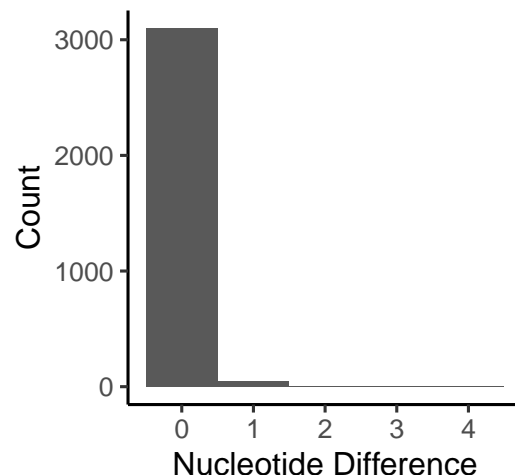
TRBV19*ap01

4118 sequences assigned
4056 (98.5%) exact matches, in which:
3983 unique CDR3
13 unique J



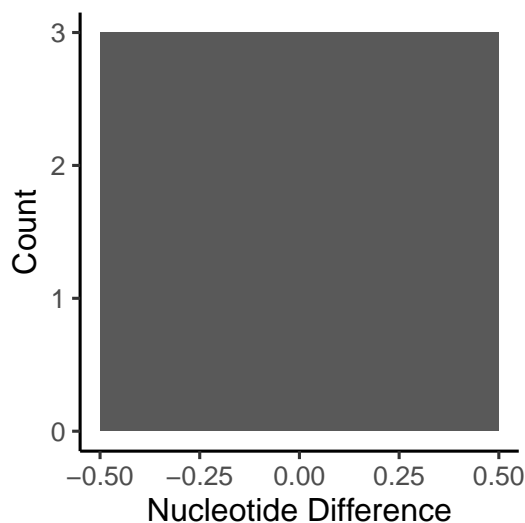
TRBV28*ap01

3146 sequences assigned
3098 (98.5%) exact matches, in which:
3045 unique CDR3
13 unique J



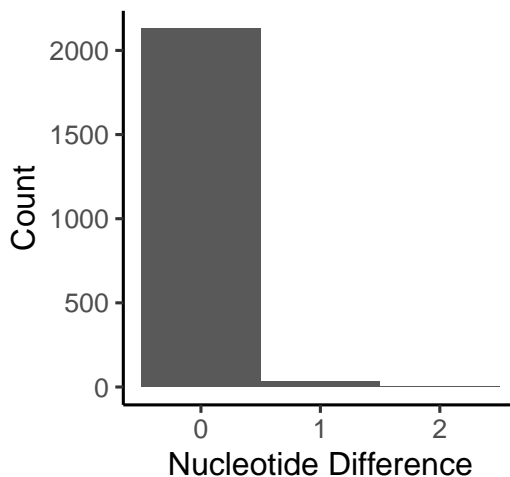
TRBV17*ap01

3 sequences assigned
3 (100%) exact matches, in which:
3 unique CDR3
3 unique J



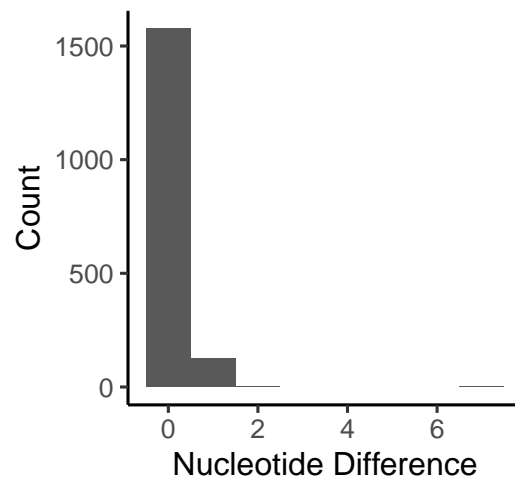
TRBV2*ap01

2163 sequences assigned
2129 (98.4%) exact matches, in which:
2081 unique CDR3
13 unique J



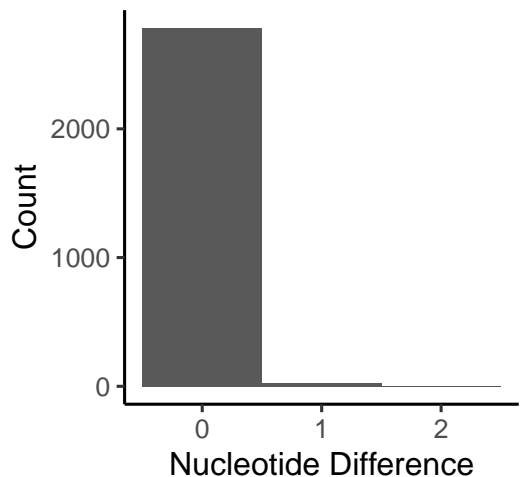
TRBV30*ap01

1707 sequences assigned
1576 (92.3%) exact matches, in which:
1549 unique CDR3
14 unique J



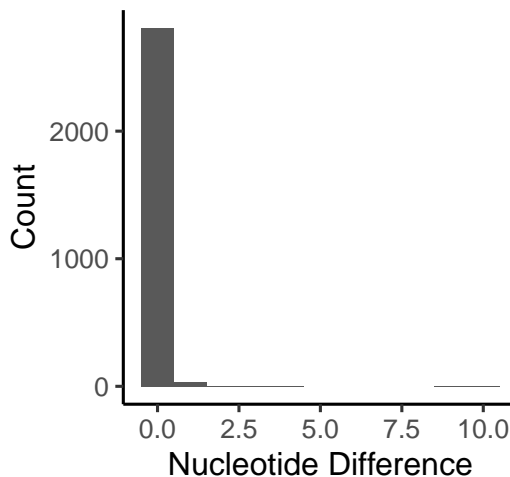
TRBV18*ap01

2811 sequences assigned
2783 (99%) exact matches, in which:
2737 unique CDR3
13 unique J



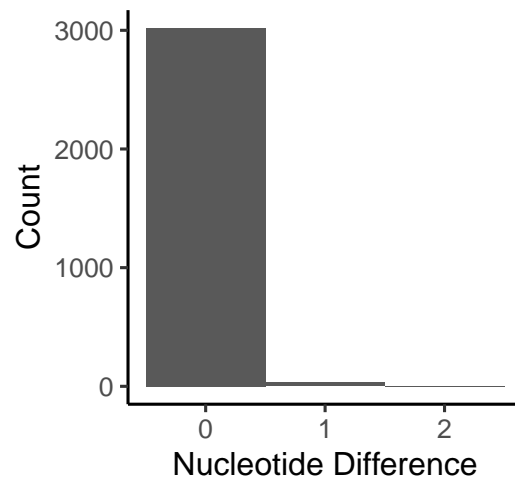
TRBV27*ap01

2851 sequences assigned
2808 (98.5%) exact matches, in which:
2748 unique CDR3
13 unique J



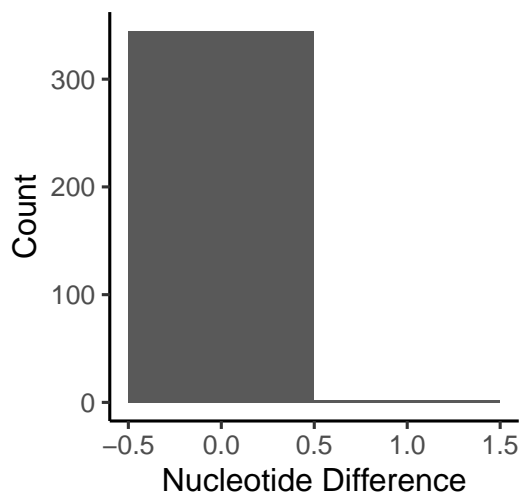
TRBV9*ap01

3053 sequences assigned
3019 (98.9%) exact matches, in which:
2950 unique CDR3
13 unique J



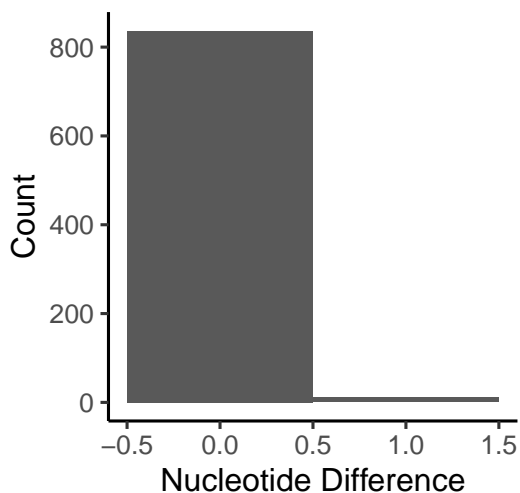
TRBV11–1*ap01

347 sequences assigned
345 (99.4%) exact matches, in which:
334 unique CDR3
13 unique J



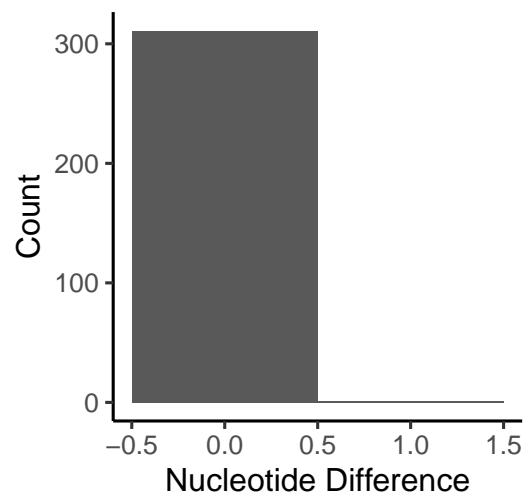
TRBV11–3*ap01

848 sequences assigned
837 (98.7%) exact matches, in which:
814 unique CDR3
13 unique J



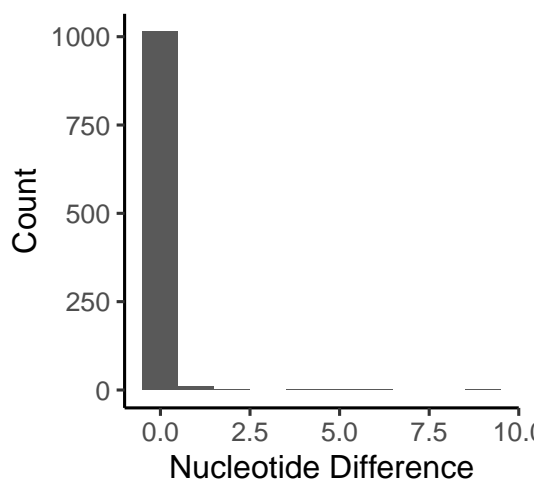
TRBV12–5*ap01

312 sequences assigned
311 (99.7%) exact matches, in which:
303 unique CDR3
13 unique J



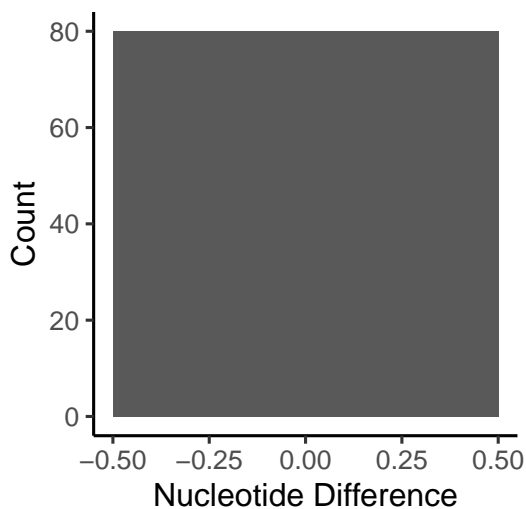
TRBV21–1*ap01

1031 sequences assigned
1014 (98.4%) exact matches, in which:
1003 unique CDR3
13 unique J



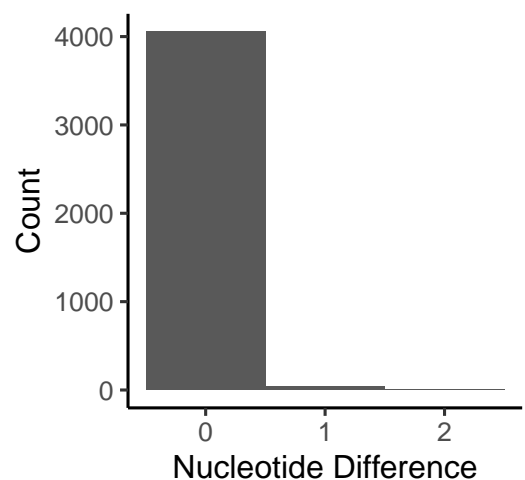
TRBV12–1*ap01

80 sequences assigned
80 (100%) exact matches, in which:
78 unique CDR3
13 unique J



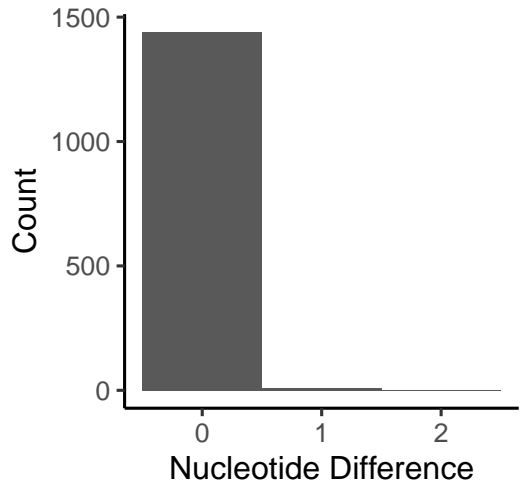
TRBV12–34*ap01

4103 sequences assigned
4055 (98.8%) exact matches, in which:
3972 unique CDR3
13 unique J



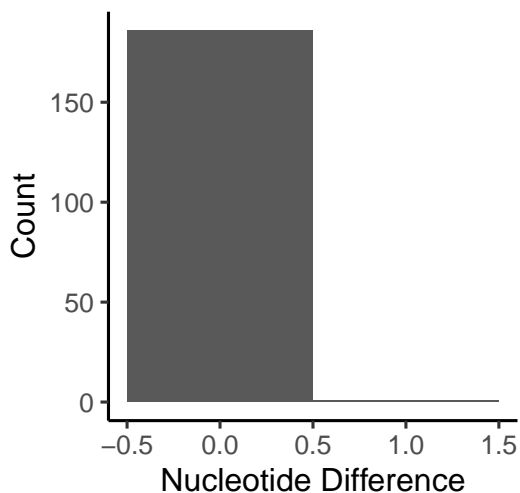
TRBV11–2*ap01

1451 sequences assigned
1440 (99.2%) exact matches, in which:
1411 unique CDR3
13 unique J



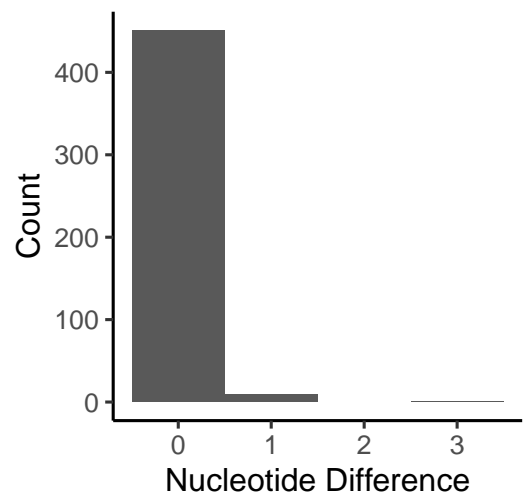
TRBV12–2*ap01

187 sequences assigned
186 (99.5%) exact matches, in which:
184 unique CDR3
13 unique J



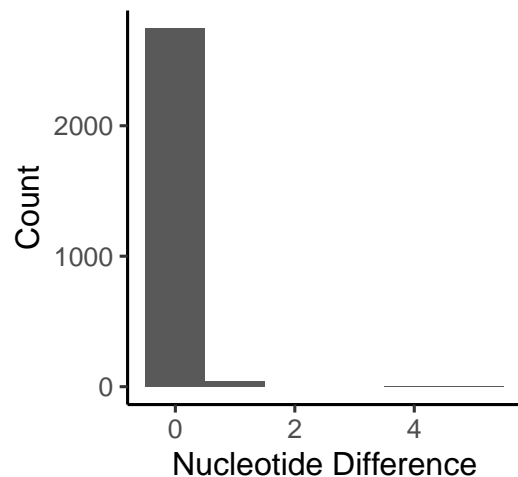
TRBV23–1*ap01

461 sequences assigned
451 (97.8%) exact matches, in which:
445 unique CDR3
13 unique J



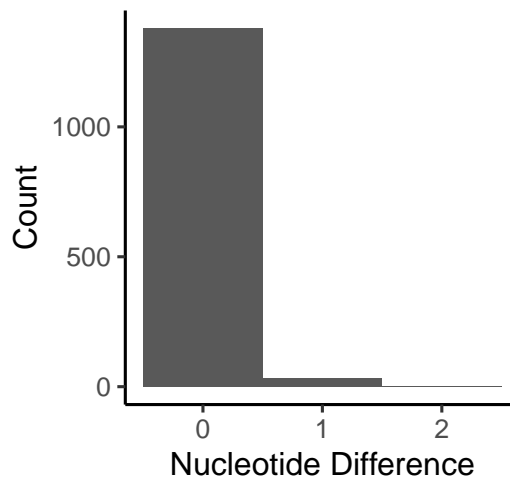
TRBV3-12*ap01

2790 sequences assigned
2746 (98.4%) exact matches, in which:
2688 unique CDR3
13 unique J



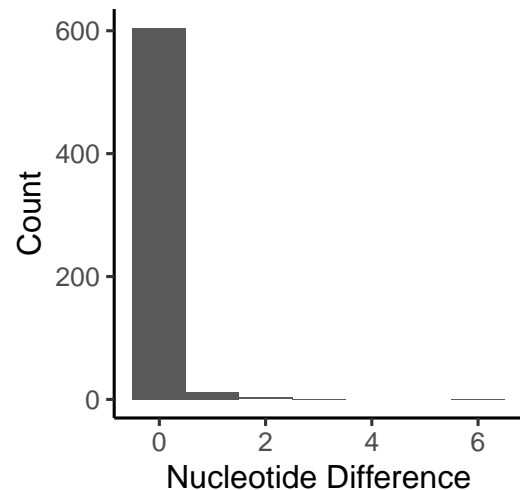
TRBV4-2*ap01

1412 sequences assigned
1379 (97.7%) exact matches, in which:
1353 unique CDR3
13 unique J



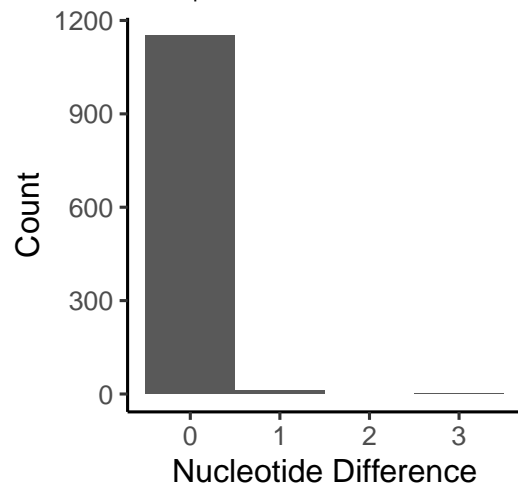
TRBV25-1*ap01

622 sequences assigned
605 (97.3%) exact matches, in which:
592 unique CDR3
13 unique J



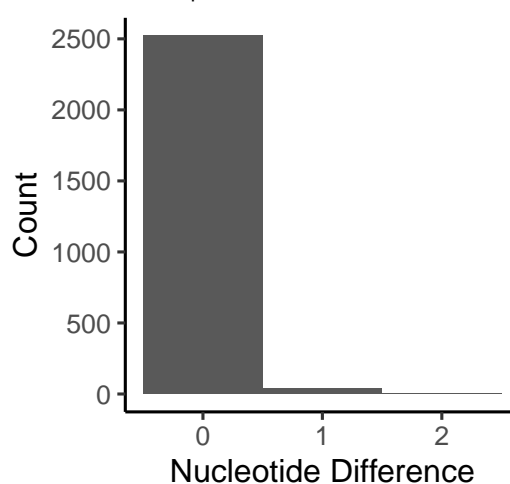
TRBV4-1*ap01

1163 sequences assigned
1151 (99%) exact matches, in which:
1125 unique CDR3
13 unique J



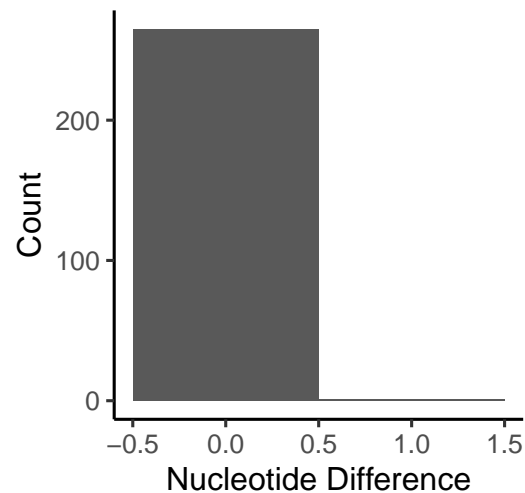
TRBV4-3*ap01

2562 sequences assigned
2522 (98.4%) exact matches, in which:
2480 unique CDR3
13 unique J



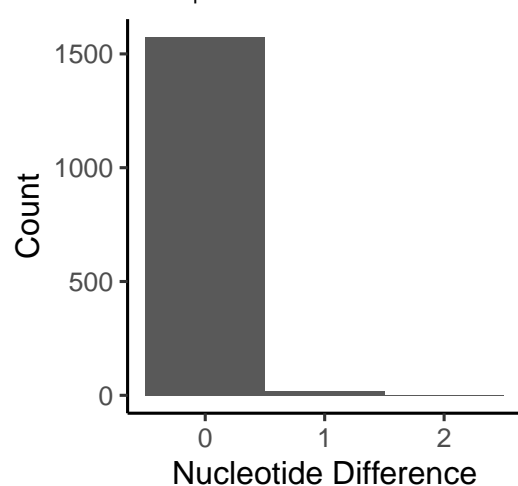
TRBV5-3*ap01

266 sequences assigned
265 (99.6%) exact matches, in which:
259 unique CDR3
13 unique J



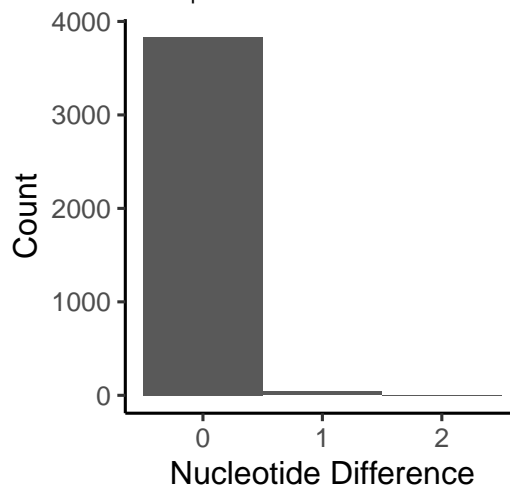
TRBV24-1*ap01

1593 sequences assigned
1574 (98.8%) exact matches, in which:
1545 unique CDR3
13 unique J



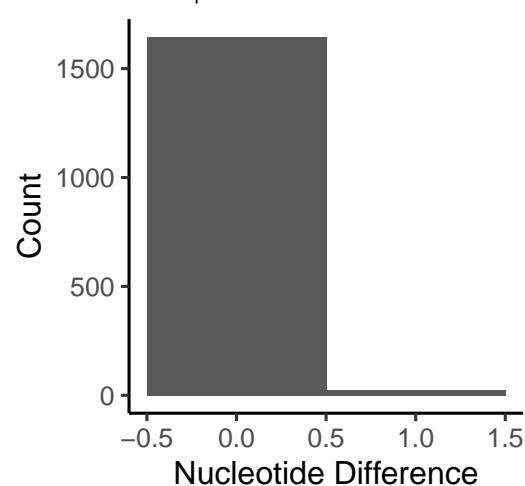
TRBV5-1*ap01

3877 sequences assigned
3833 (98.9%) exact matches, in which:
3706 unique CDR3
13 unique J



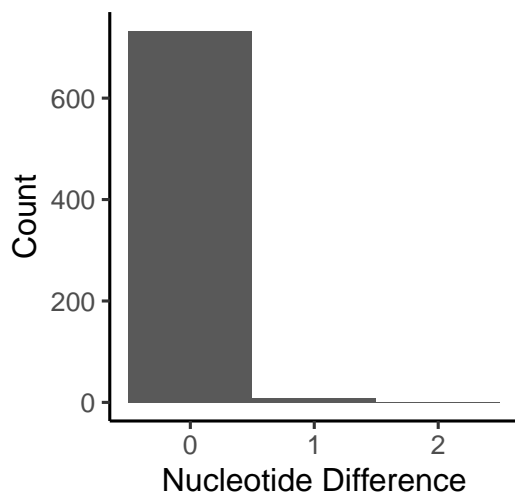
TRBV5-4*ap01

1668 sequences assigned
1645 (98.6%) exact matches, in which:
1616 unique CDR3
13 unique J



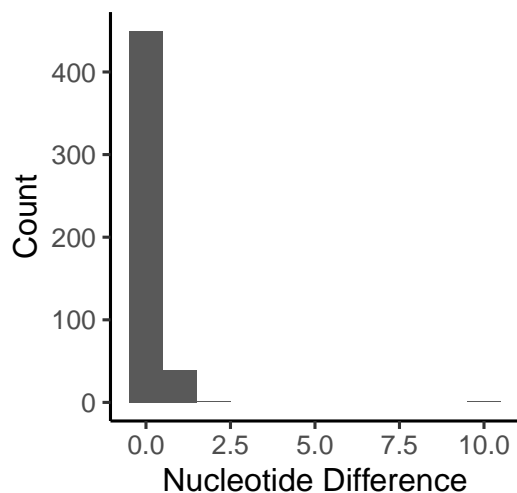
TRBV5-5*ap01

743 sequences assigned
733 (98.7%) exact matches, in which:
721 unique CDR3
13 unique J



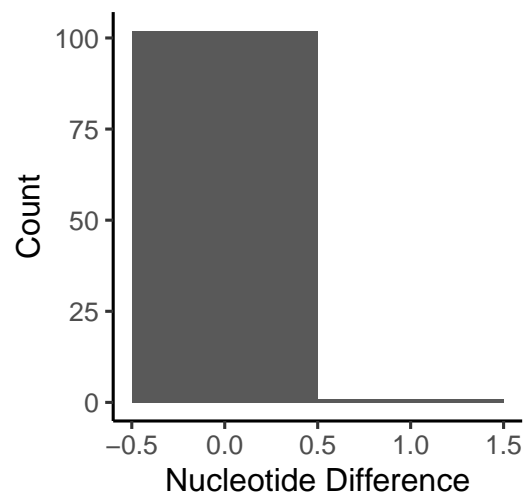
TRBV5-8*ap01

491 sequences assigned
450 (91.6%) exact matches, in which:
442 unique CDR3
13 unique J



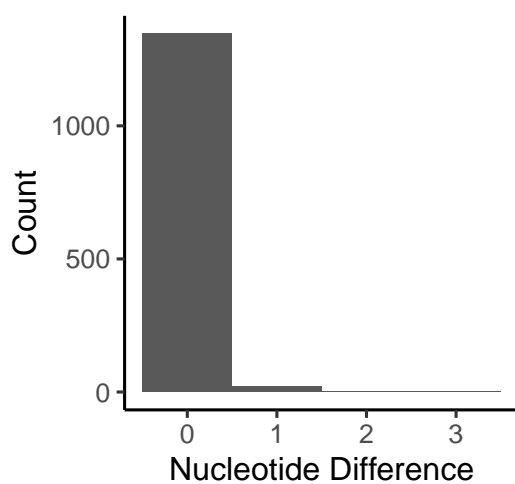
TRBV6-7*ap01

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



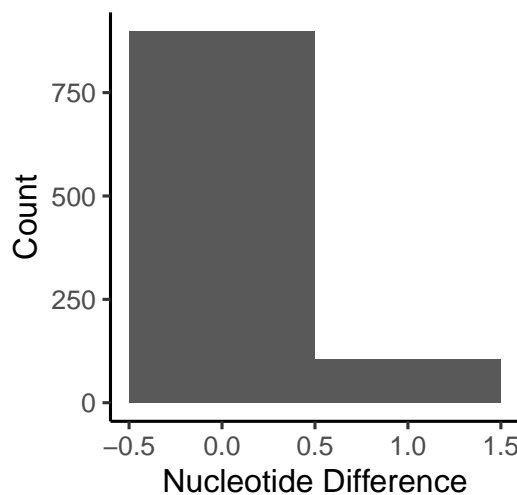
TRBV5-6*ap01

1370 sequences assigned
1346 (98.2%) exact matches, in which:
1301 unique CDR3
13 unique J



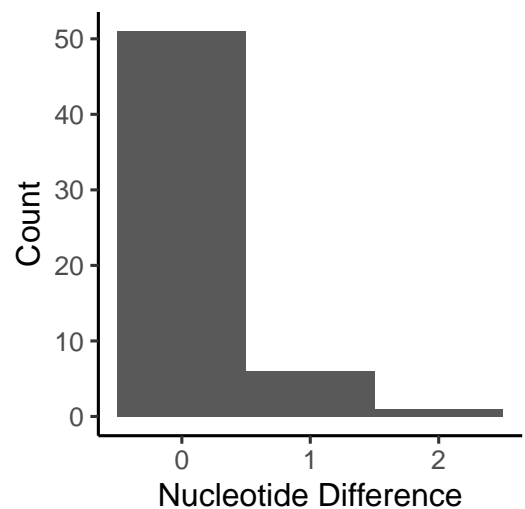
TRBV6-1*ap01

1004 sequences assigned
899 (89.5%) exact matches, in which:
877 unique CDR3
13 unique J



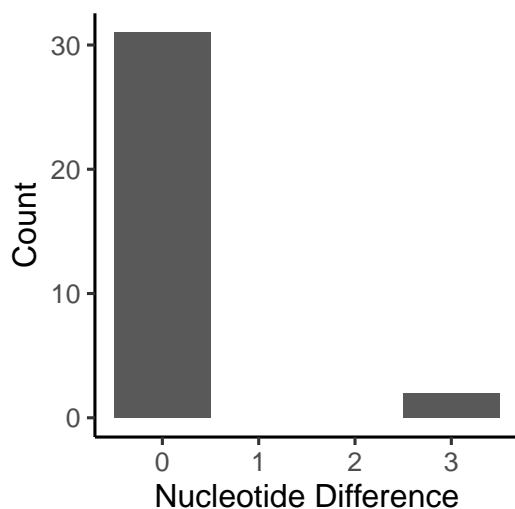
TRBV6-8*ap01

58 sequences assigned
51 (87.9%) exact matches, in which:
48 unique CDR3
13 unique J



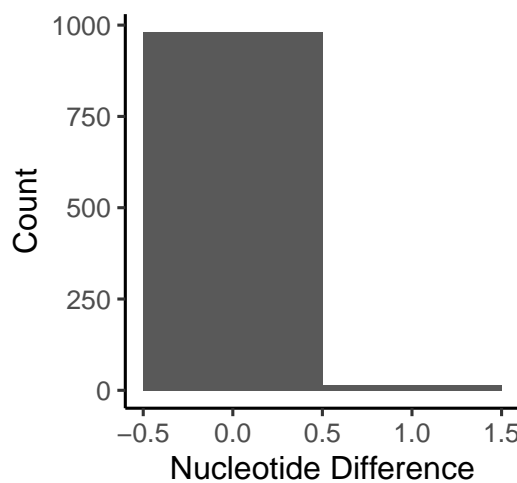
TRBV5-7*ap01

33 sequences assigned
31 (93.9%) exact matches, in which:
29 unique CDR3
11 unique J



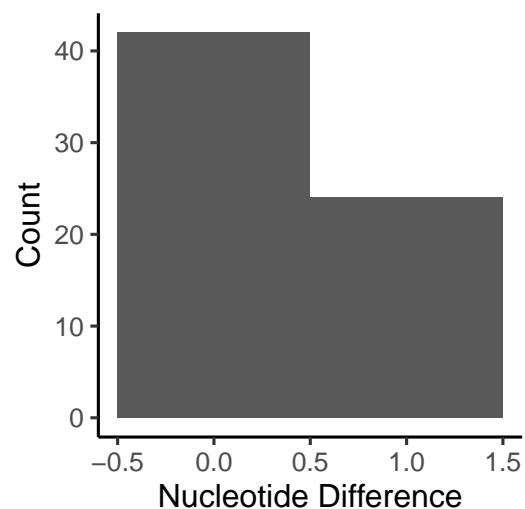
TRBV6-4*ap01

996 sequences assigned
981 (98.5%) exact matches, in which:
962 unique CDR3
13 unique J



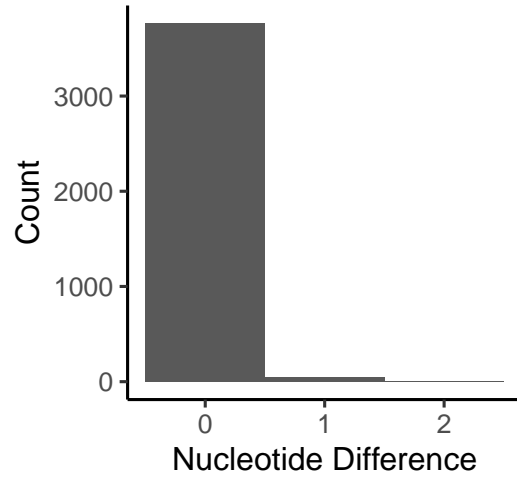
TRBV6-9*ap01

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



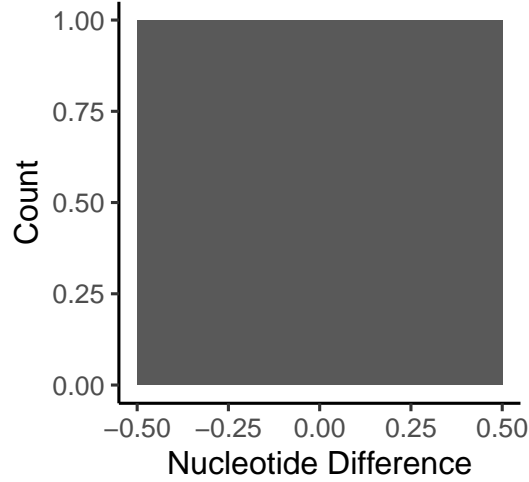
TRBV6-23*ap01

3813 sequences assigned
3763 (98.7%) exact matches, in which:
3682 unique CDR3
13 unique J



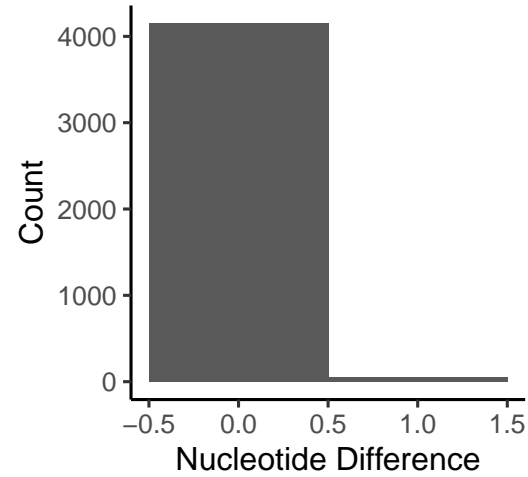
TRBV7-1*ap01

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



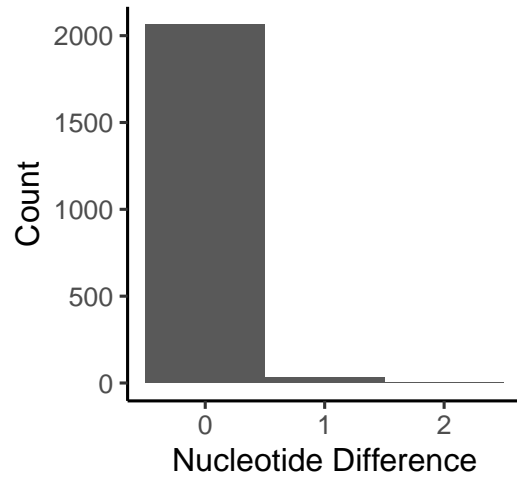
TRBV7-2*ap01

4206 sequences assigned
4150 (98.7%) exact matches, in which:
4062 unique CDR3
13 unique J



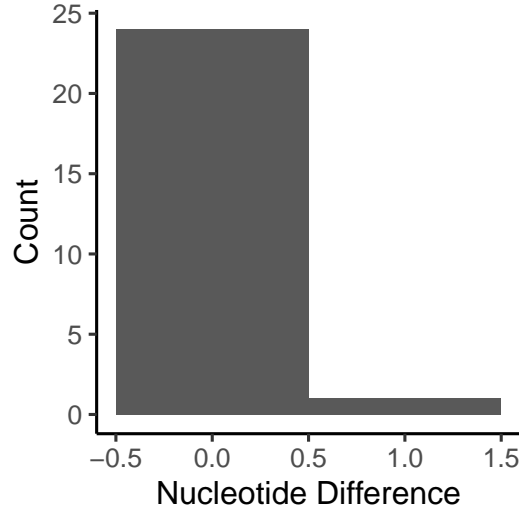
TRBV6-56*ap01

2098 sequences assigned
2063 (98.3%) exact matches, in which:
2013 unique CDR3
13 unique J



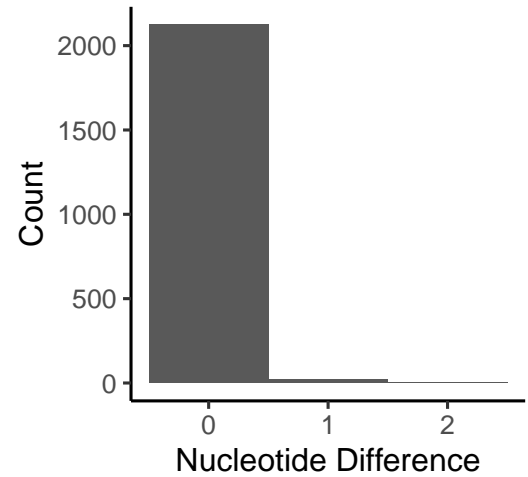
TRBV7-1*ap01_G291C_T

25 sequences assigned
24 (96%) exact matches, in which:
24 unique CDR3
10 unique J



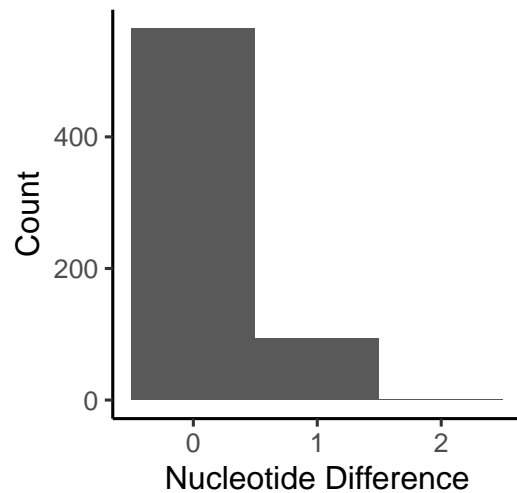
TRBV7-3*ap01

2148 sequences assigned
2124 (98.9%) exact matches, in which:
2076 unique CDR3
13 unique J



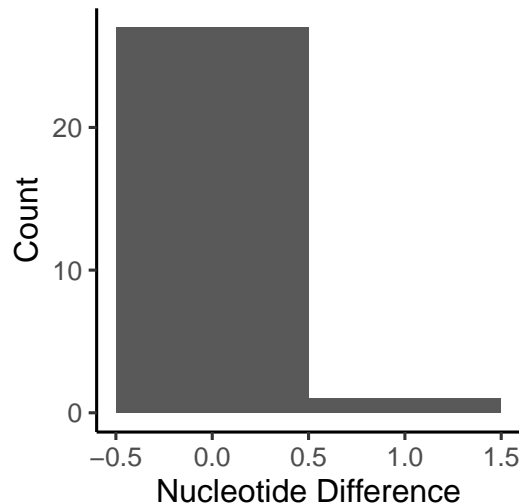
TRBV6-56*ap02

660 sequences assigned
565 (85.6%) exact matches, in which:
556 unique CDR3
13 unique J



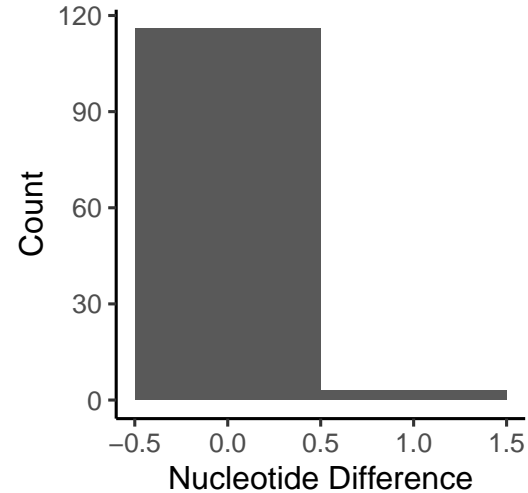
TRBV7-1*ap01_G291C_T

28 sequences assigned
27 (96.4%) exact matches, in which:
27 unique CDR3
9 unique J



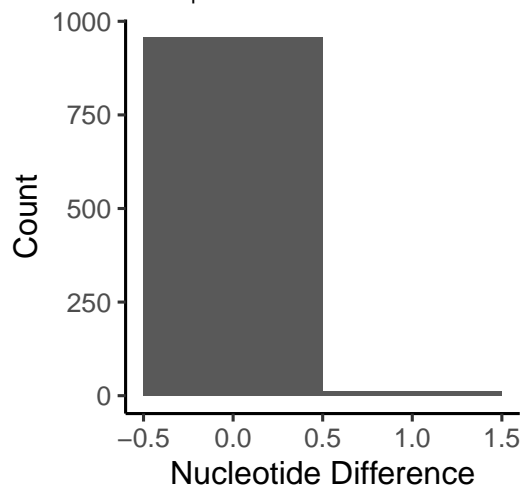
TRBV7-4*ap01

119 sequences assigned
116 (97.5%) exact matches, in which:
114 unique CDR3
13 unique J



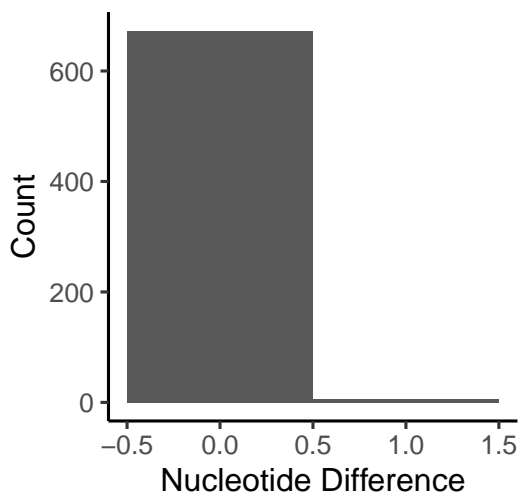
TRBV7-6*ap01

969 sequences assigned
957 (98.8%) exact matches, in which:
940 unique CDR3
13 unique J



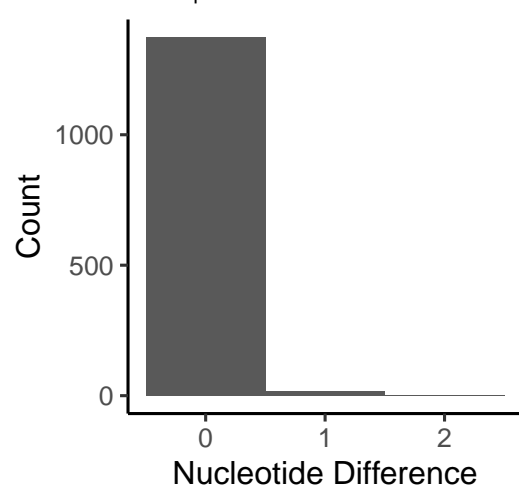
TRBV7-8*ap01

679 sequences assigned
673 (99.1%) exact matches, in which:
660 unique CDR3
13 unique J



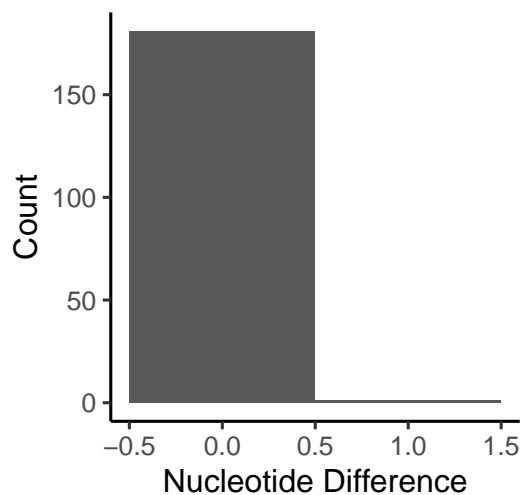
TRBV29-1*ap01

1395 sequences assigned
1373 (98.4%) exact matches, in which:
1331 unique CDR3
13 unique J



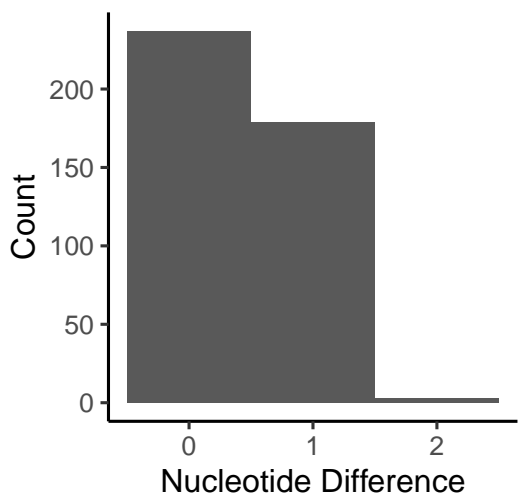
TRBV7-7*ap01

182 sequences assigned
181 (99.5%) exact matches, in which:
177 unique CDR3
12 unique J



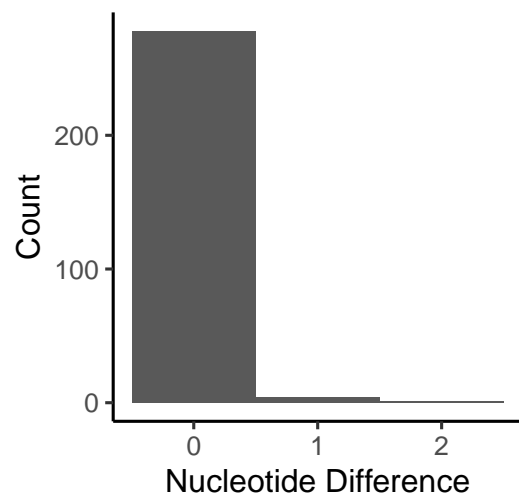
TRBV7-8*ap03

419 sequences assigned
237 (56.6%) exact matches, in which:
232 unique CDR3
13 unique J



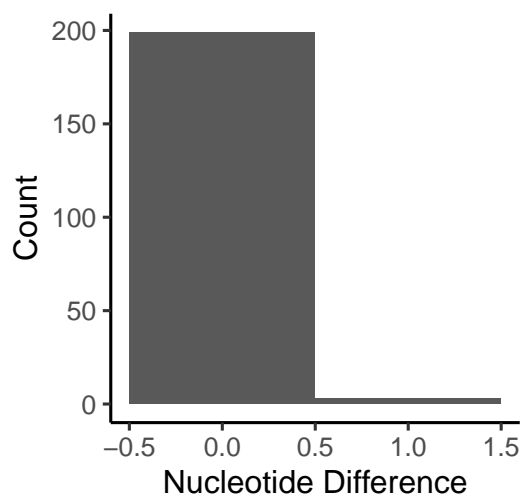
TRBV29-1*ap02

283 sequences assigned
278 (98.2%) exact matches, in which:
275 unique CDR3
13 unique J



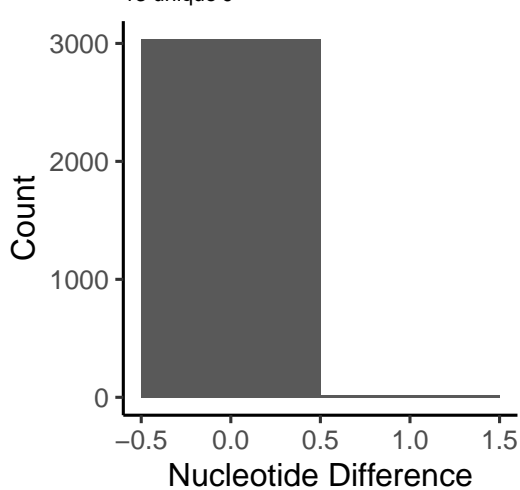
TRBV7-7*ap01_C315T

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

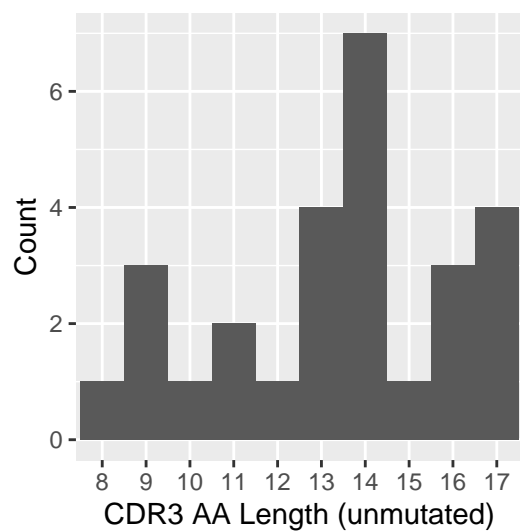


TRBV7-9*ap01

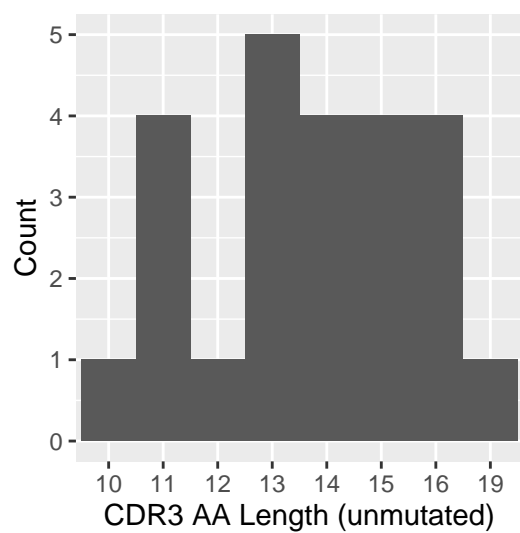
3058 sequences assigned
3037 (99.3%) exact matches, in which:
2973 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

