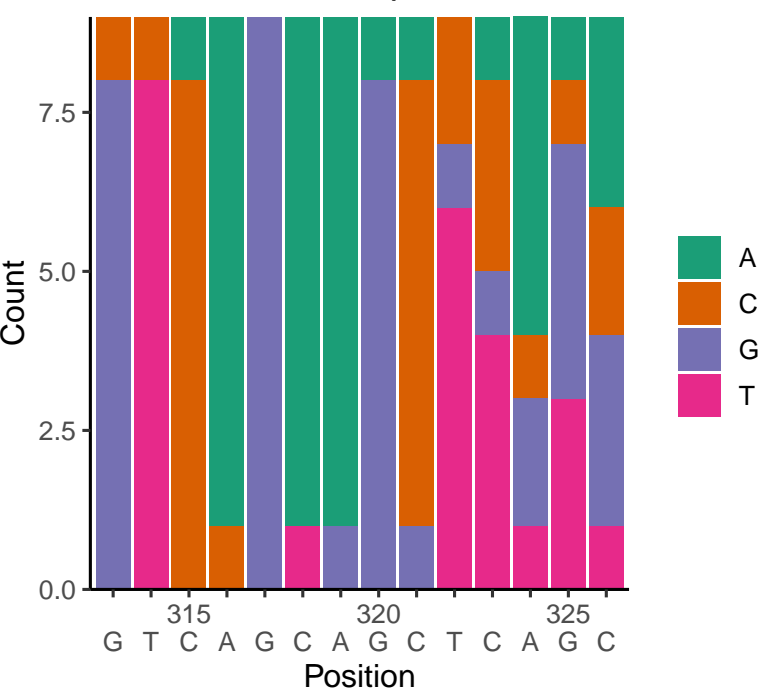
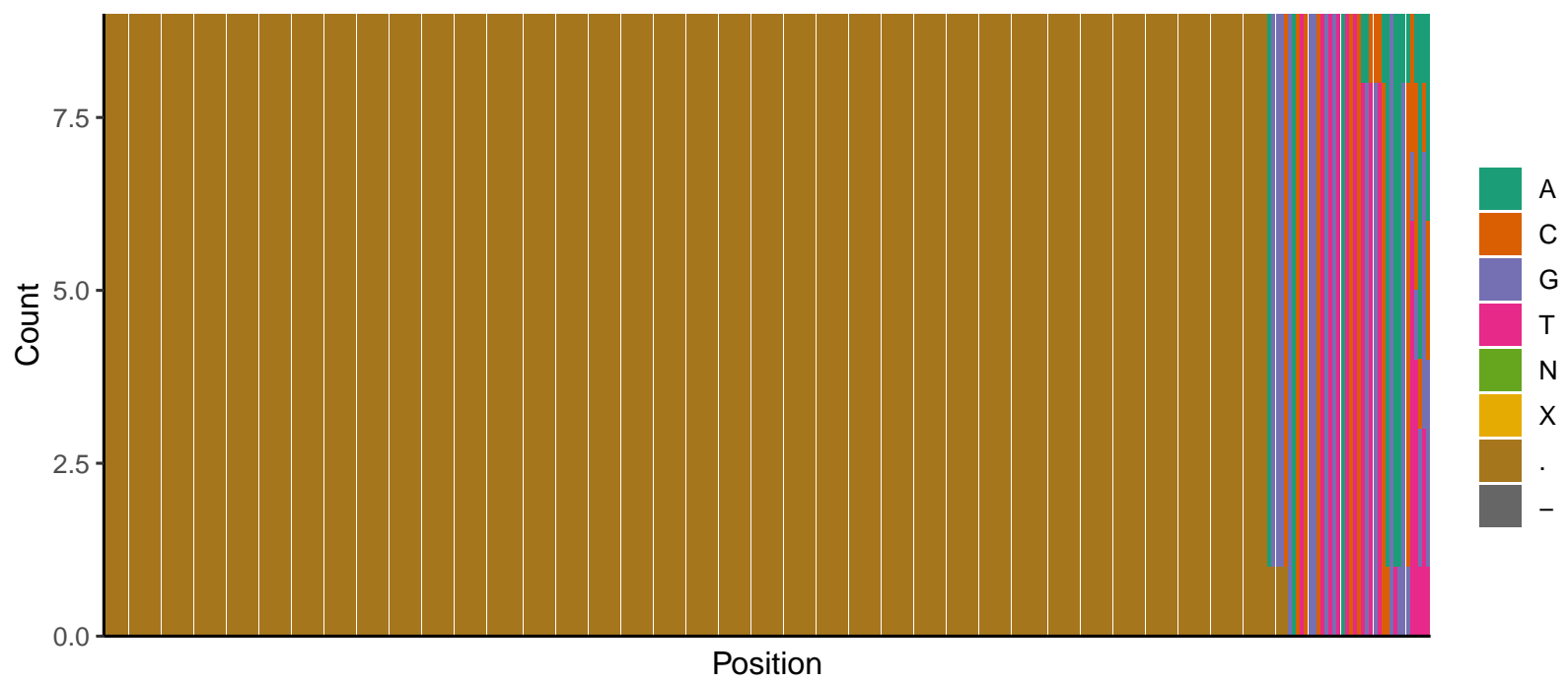


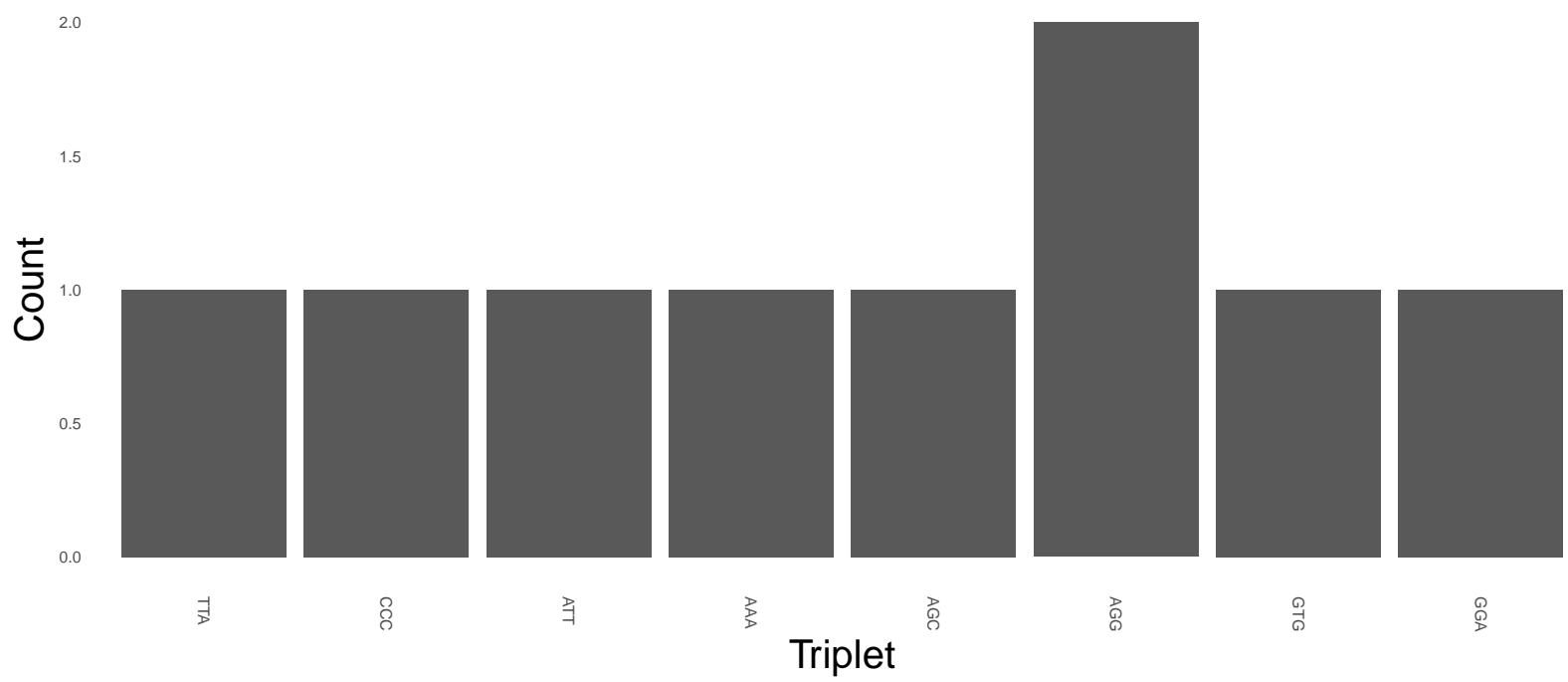
Gene TRBV7-1*ap01_G291C_T296C_C314T



Gene TRBV7-1*ap01_G291C_T296C_C314T

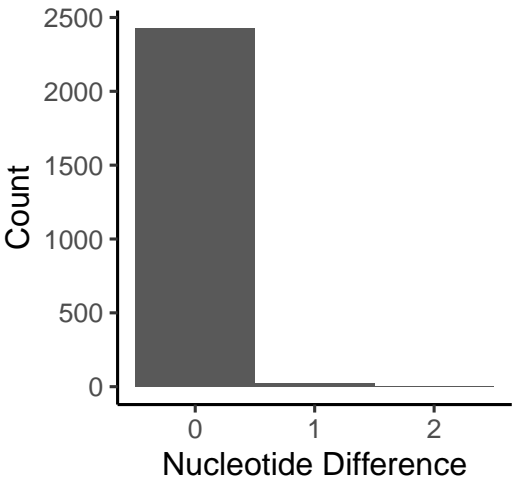


TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



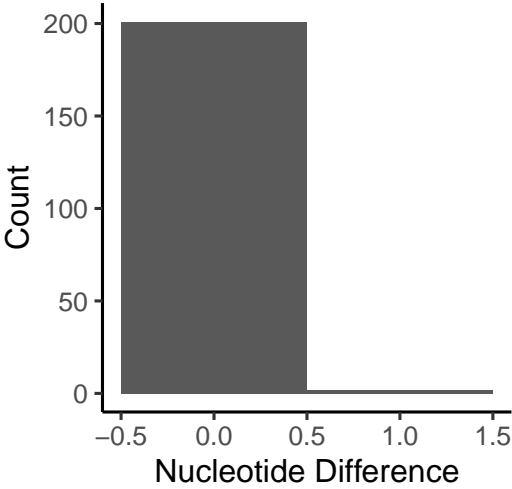
TRBV20-1*ap01

2454 sequences assigned
2426 (98.9%) exact matches, in which:
2391 unique CDR3
13 unique J



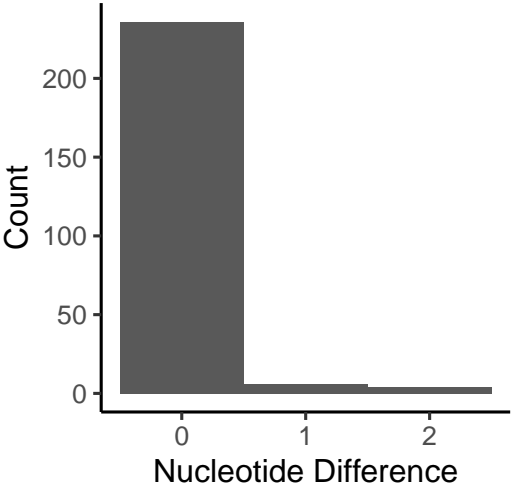
TRBV10-2*ap01

203 sequences assigned
201 (99%) exact matches, in which:
199 unique CDR3
11 unique J



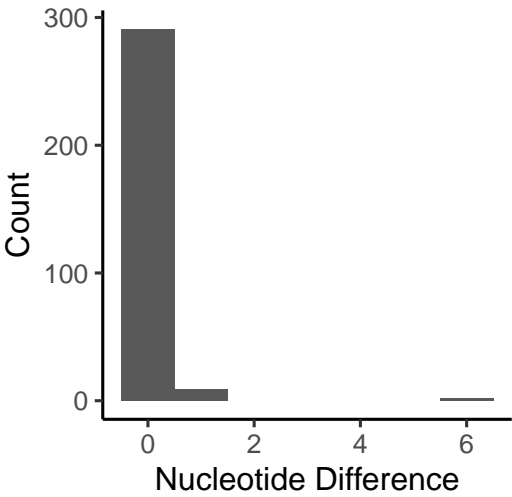
TRBV13*ap01

246 sequences assigned
236 (95.9%) exact matches, in which:
235 unique CDR3
13 unique J



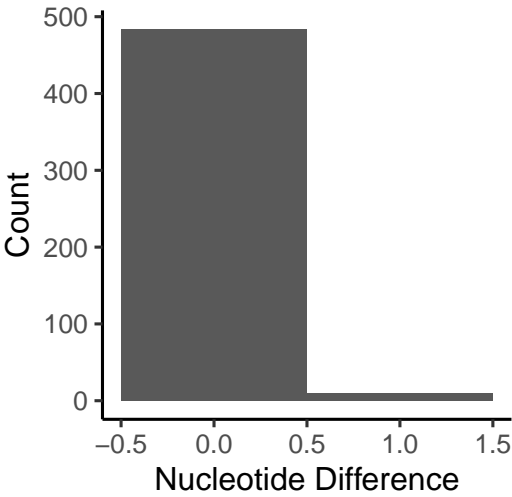
TRBV10-1*ap01

302 sequences assigned
291 (96.4%) exact matches, in which:
288 unique CDR3
13 unique J



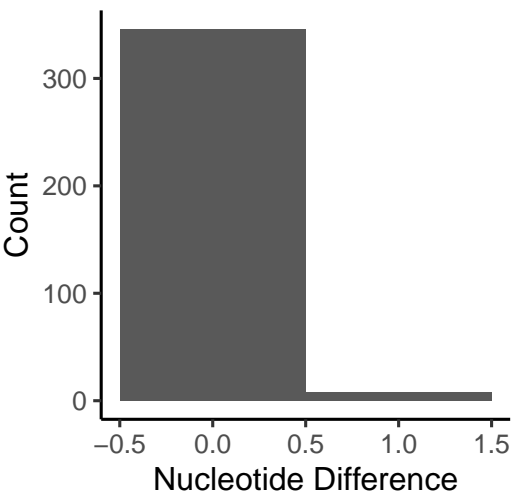
TRBV10-3*ap01

494 sequences assigned
484 (98%) exact matches, in which:
482 unique CDR3
12 unique J



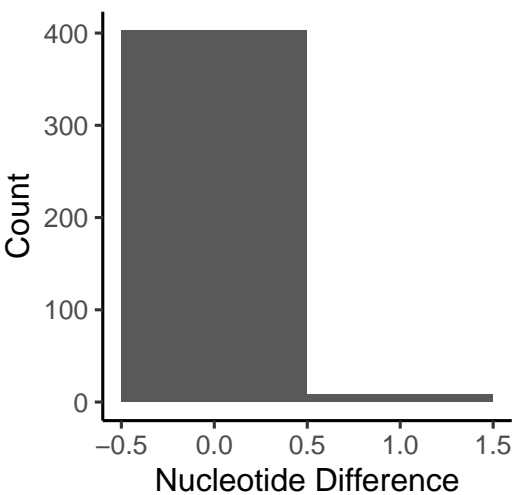
TRBV14*ap01

354 sequences assigned
346 (97.7%) exact matches, in which:
343 unique CDR3
13 unique J



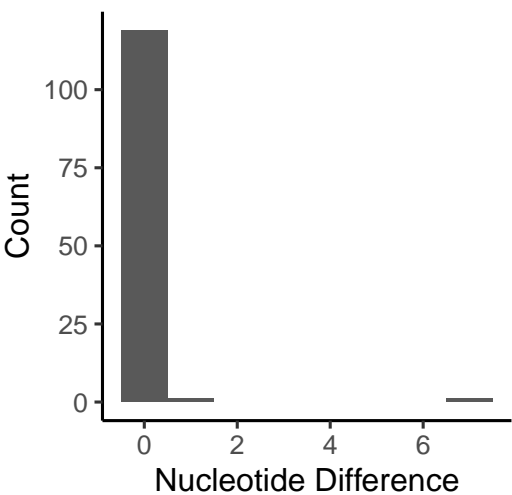
TRBV20-1*ap02

411 sequences assigned
403 (98.1%) exact matches, in which:
395 unique CDR3
12 unique J



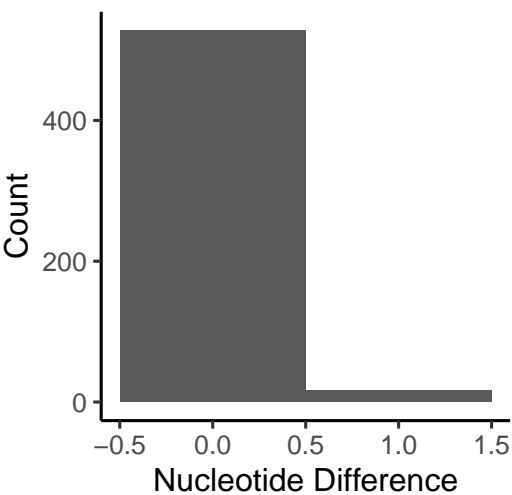
TRBV1*ap01

121 sequences assigned
119 (98.3%) exact matches, in which:
117 unique CDR3
11 unique J



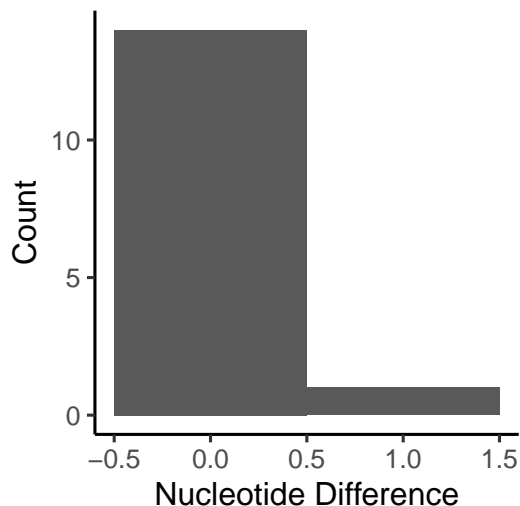
TRBV15*ap02

545 sequences assigned
528 (96.9%) exact matches, in which:
524 unique CDR3
13 unique J



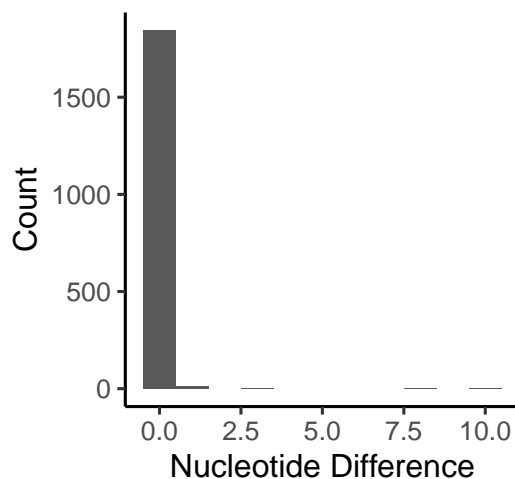
TRBV16*ap01

15 sequences assigned
14 (93.3%) exact matches, in which:
14 unique CDR3
7 unique J



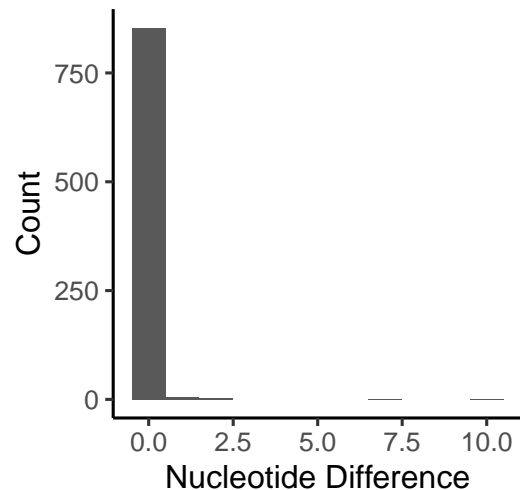
TRBV19*ap01

1859 sequences assigned
1844 (99.2%) exact matches, in which:
1833 unique CDR3
13 unique J



TRBV27*ap01

865 sequences assigned
854 (98.7%) exact matches, in which:
852 unique CDR3
13 unique J



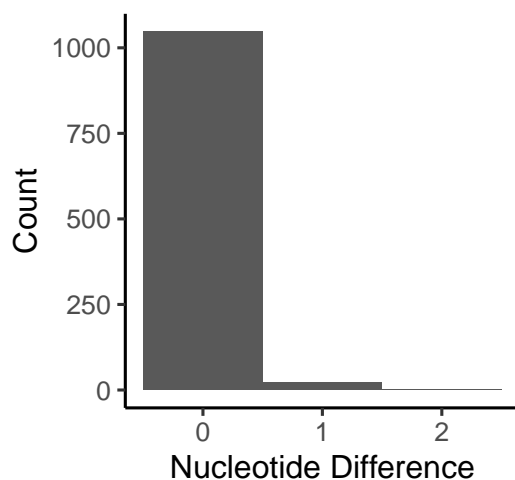
TRBV17*ap01

1 sequences assigned
No exact matches.



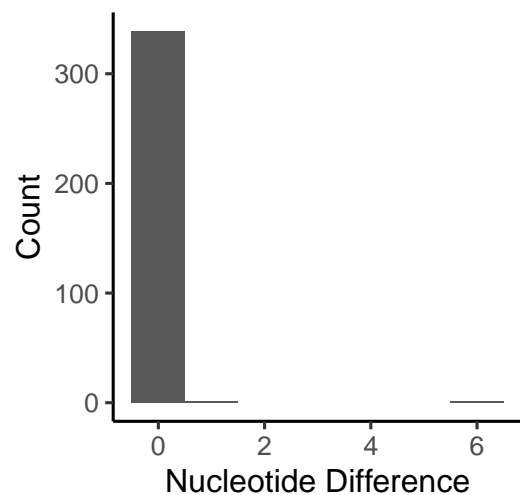
TRBV2*ap01

1069 sequences assigned
1047 (97.9%) exact matches, in which:
1036 unique CDR3
13 unique J



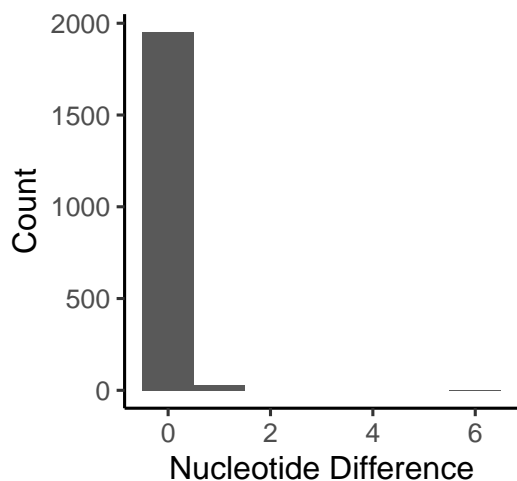
TRBV28*ap01

341 sequences assigned
339 (99.4%) exact matches, in which:
334 unique CDR3
12 unique J



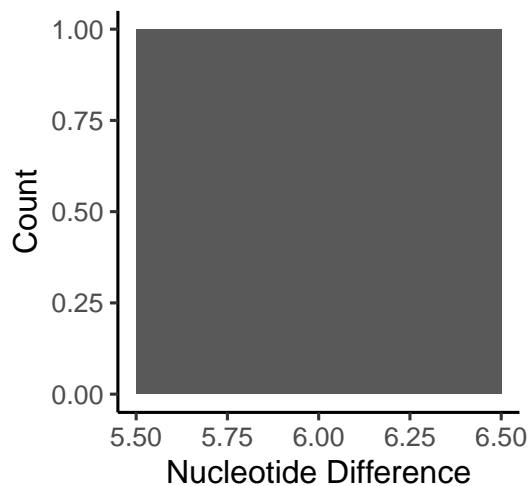
TRBV18*ap01

1983 sequences assigned
1952 (98.4%) exact matches, in which:
1926 unique CDR3
13 unique J



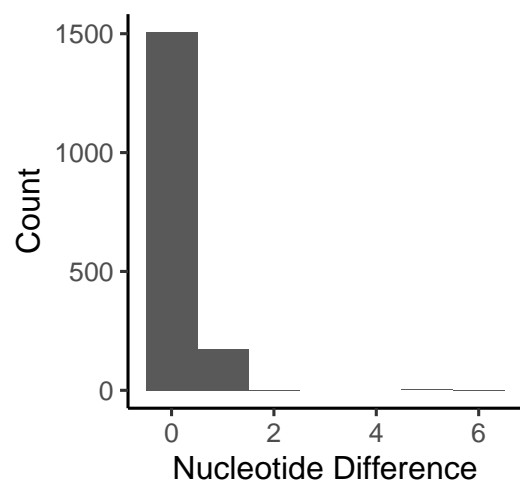
TRBV26*ap01

1 sequences assigned
No exact matches.



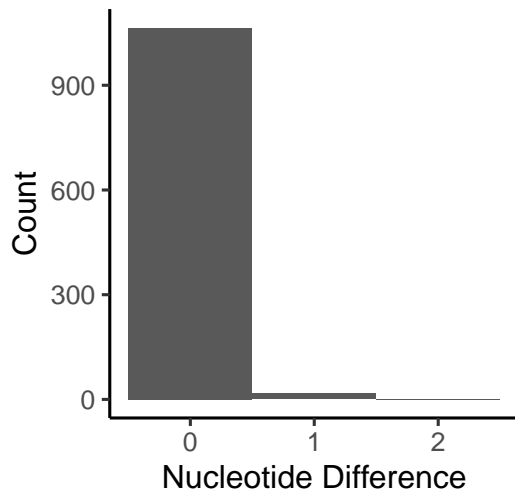
TRBV30*ap01

1686 sequences assigned
1507 (89.4%) exact matches, in which:
1450 unique CDR3
13 unique J



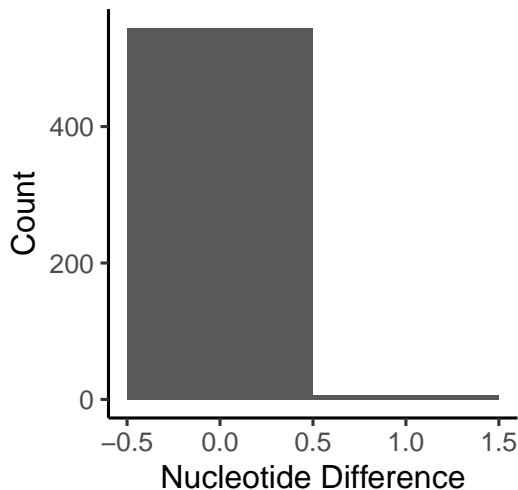
TRBV9*ap01

1083 sequences assigned
1065 (98.3%) exact matches, in which:
1050 unique CDR3
13 unique J



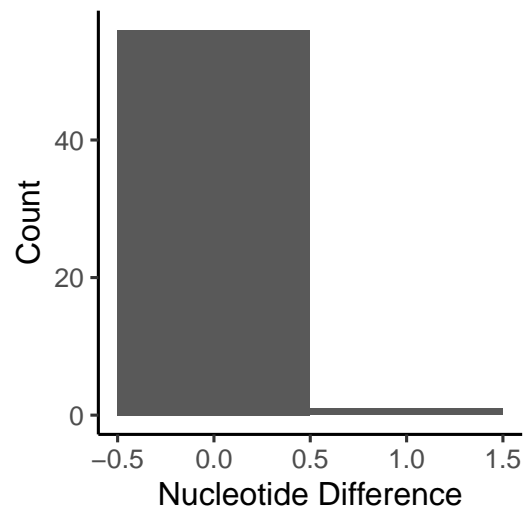
TRBV11-2*ap01

552 sequences assigned
545 (98.7%) exact matches, in which:
541 unique CDR3
13 unique J



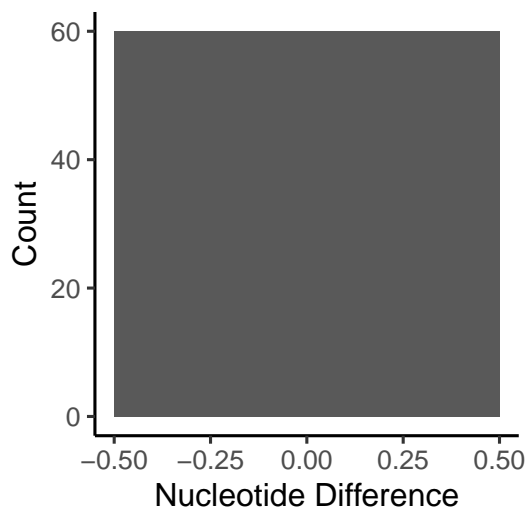
TRBV12-2*ap01

57 sequences assigned
56 (98.2%) exact matches, in which:
56 unique CDR3
11 unique J



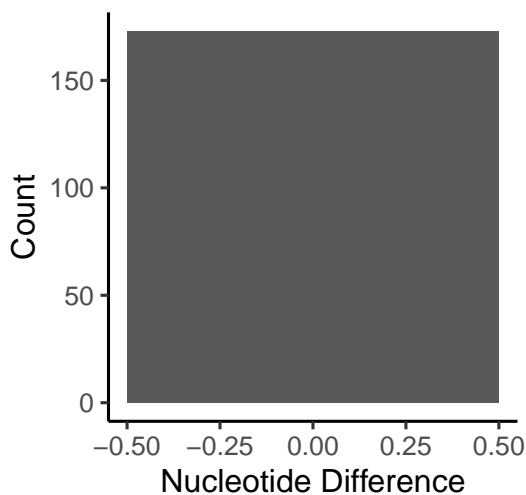
TRBV11-1*ap01

60 sequences assigned
60 (100%) exact matches, in which:
60 unique CDR3
10 unique J



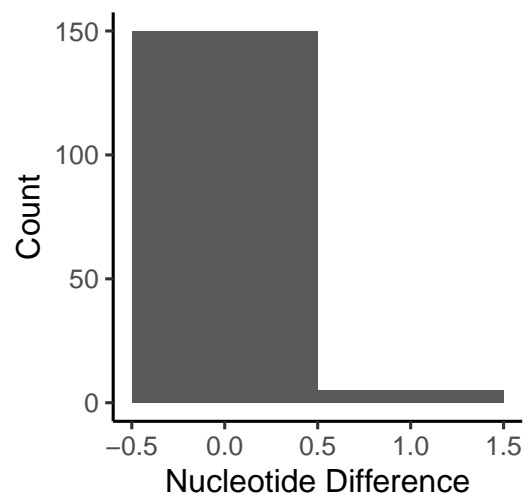
TRBV11-3*ap01

173 sequences assigned
173 (100%) exact matches, in which:
172 unique CDR3
12 unique J



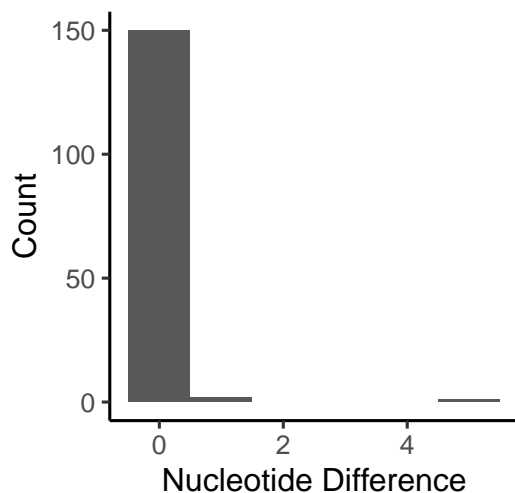
TRBV12-5*ap01

155 sequences assigned
150 (96.8%) exact matches, in which:
149 unique CDR3
11 unique J



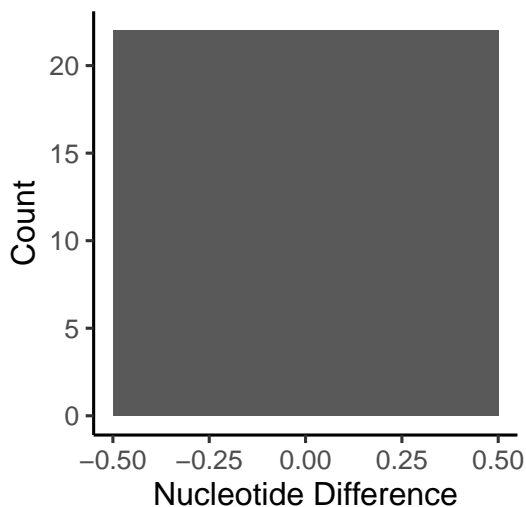
TRBV21-1*ap01

153 sequences assigned
150 (98%) exact matches, in which:
141 unique CDR3
13 unique J



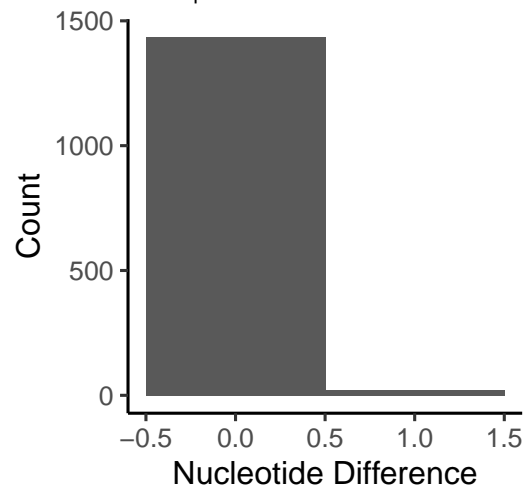
TRBV12-1*ap01

22 sequences assigned
22 (100%) exact matches, in which:
22 unique CDR3
9 unique J



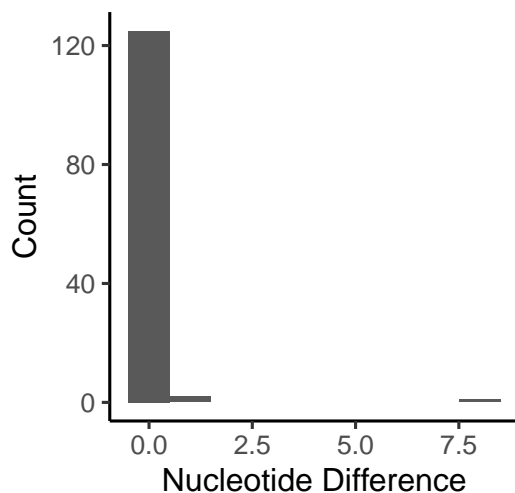
TRBV12-34*ap01

1456 sequences assigned
1435 (98.6%) exact matches, in which:
1421 unique CDR3
13 unique J



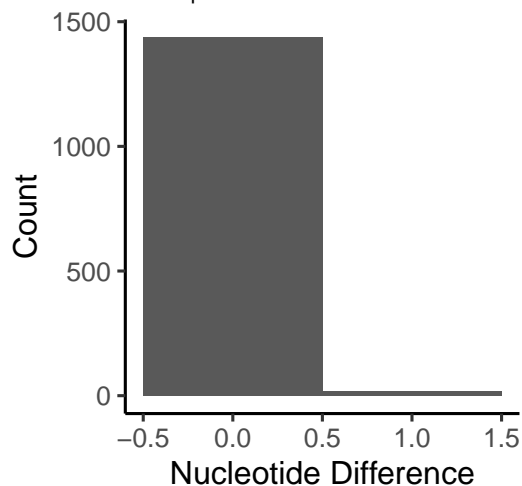
TRBV23–1*ap01

128 sequences assigned
125 (97.7%) exact matches, in which:
125 unique CDR3
13 unique J



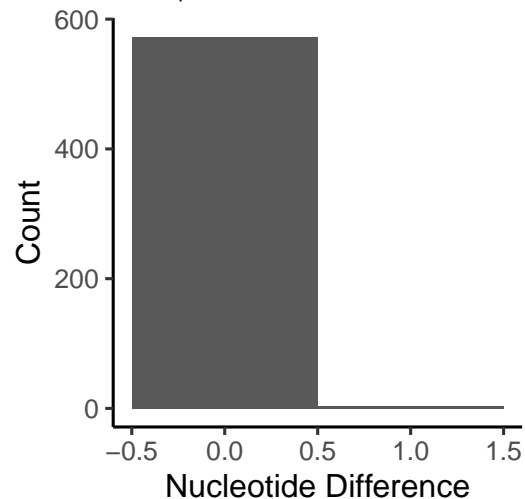
TRBV4–1*ap01

1454 sequences assigned
1437 (98.8%) exact matches, in which:
1416 unique CDR3
13 unique J



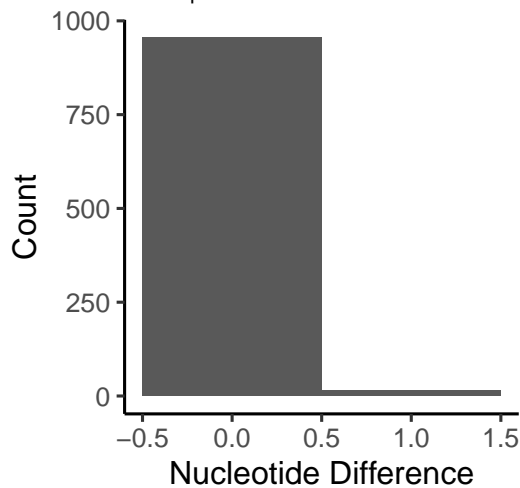
TRBV25–1*ap01

577 sequences assigned
573 (99.3%) exact matches, in which:
564 unique CDR3
13 unique J



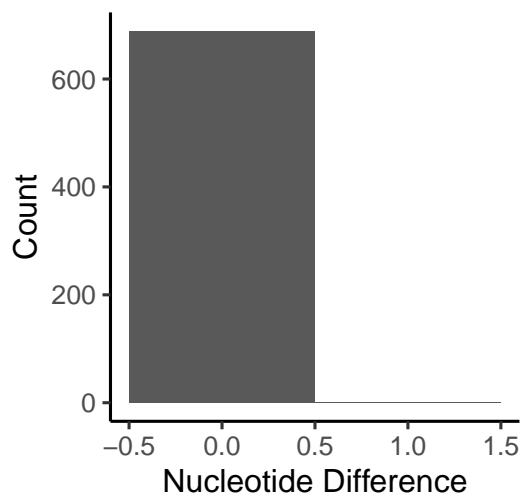
TRBV3–12*ap01

969 sequences assigned
955 (98.6%) exact matches, in which:
949 unique CDR3
13 unique J



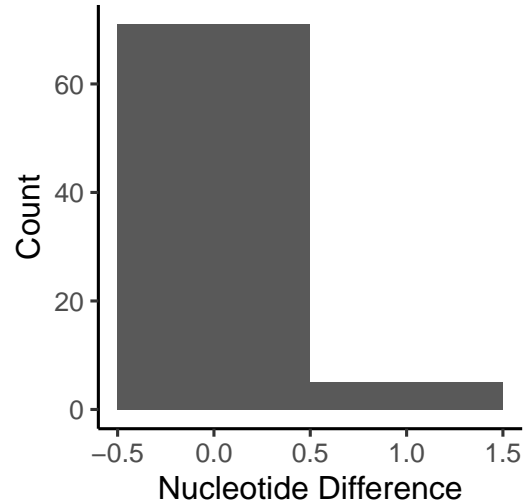
TRBV4–2*ap01

690 sequences assigned
689 (99.9%) exact matches, in which:
681 unique CDR3
13 unique J



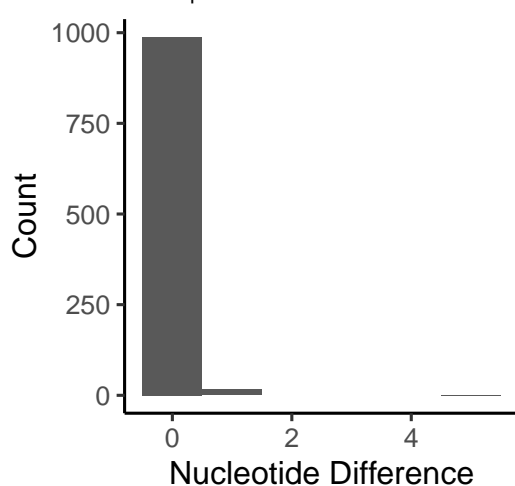
TRBV5–3*ap01

76 sequences assigned
71 (93.4%) exact matches, in which:
71 unique CDR3
11 unique J



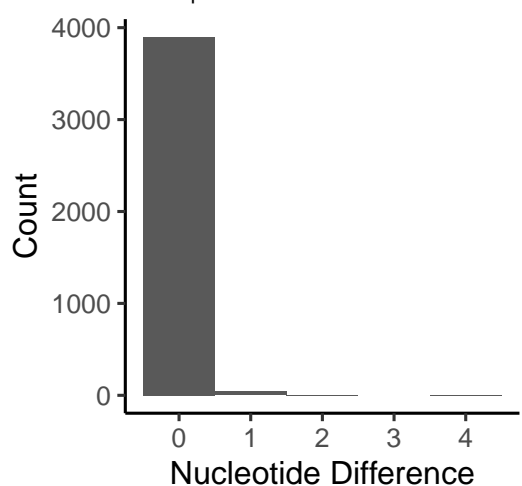
TRBV24–1*ap01

1005 sequences assigned
988 (98.3%) exact matches, in which:
985 unique CDR3
12 unique J



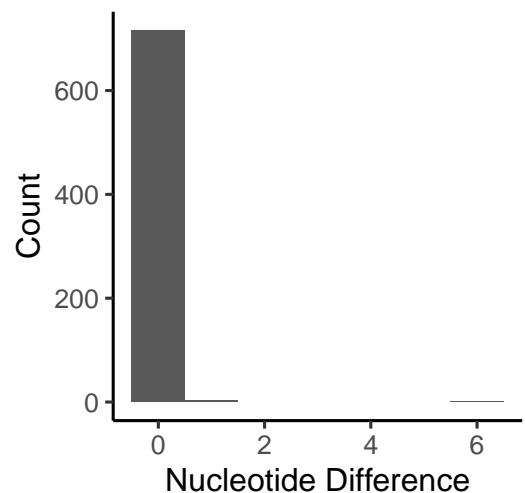
TRBV5–1*ap01

3942 sequences assigned
3898 (98.9%) exact matches, in which:
3848 unique CDR3
13 unique J



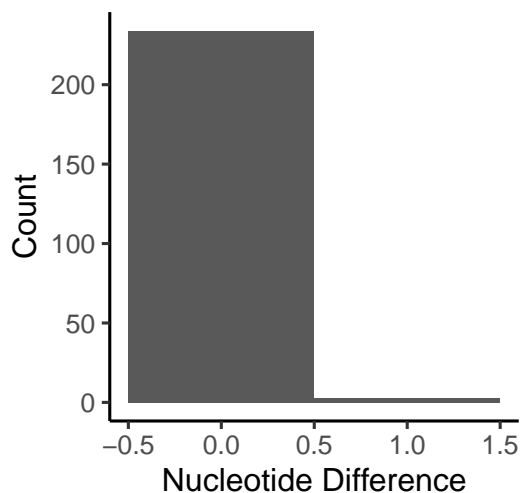
TRBV5–4*ap01

720 sequences assigned
716 (99.4%) exact matches, in which:
713 unique CDR3
13 unique J



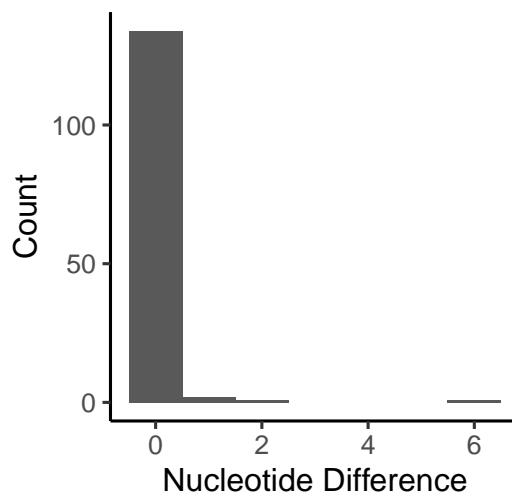
TRBV5-5*ap01

237 sequences assigned
234 (98.7%) exact matches, in which:
228 unique CDR3
13 unique J



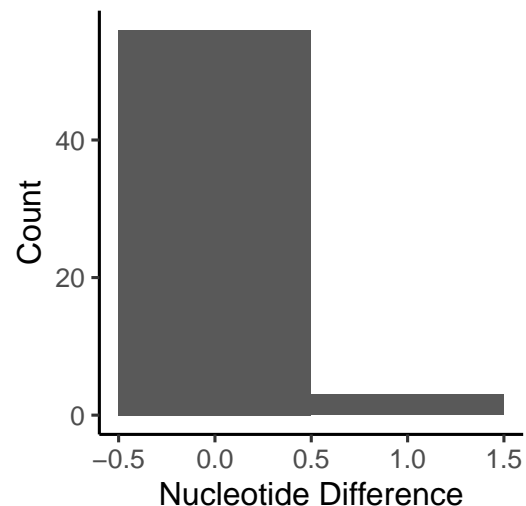
TRBV5-8*ap01

138 sequences assigned
134 (97.1%) exact matches, in which:
134 unique CDR3
12 unique J



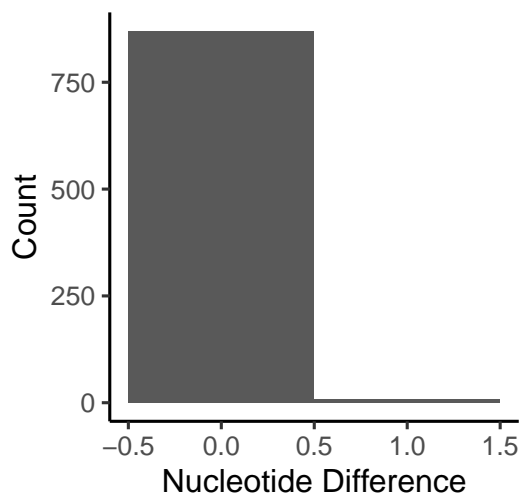
TRBV6-7*ap01

59 sequences assigned
56 (94.9%) exact matches, in which:
56 unique CDR3
10 unique J



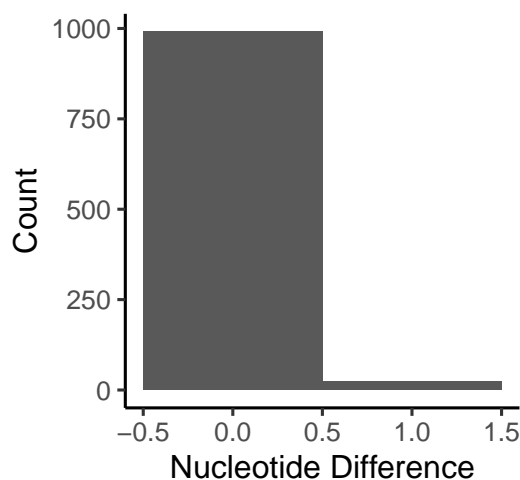
TRBV5-6*ap01

879 sequences assigned
870 (99%) exact matches, in which:
855 unique CDR3
13 unique J



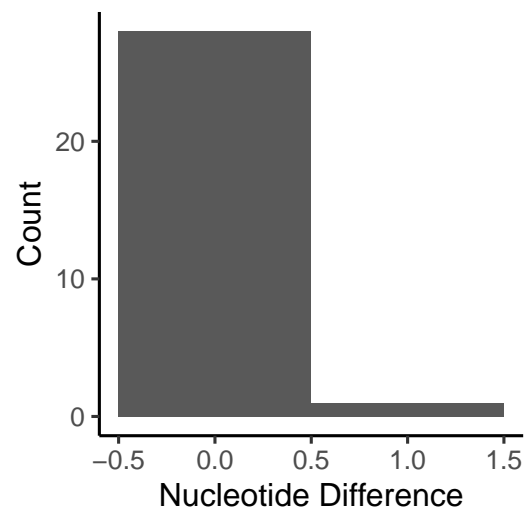
TRBV6-1*ap01

1014 sequences assigned
991 (97.7%) exact matches, in which:
983 unique CDR3
13 unique J



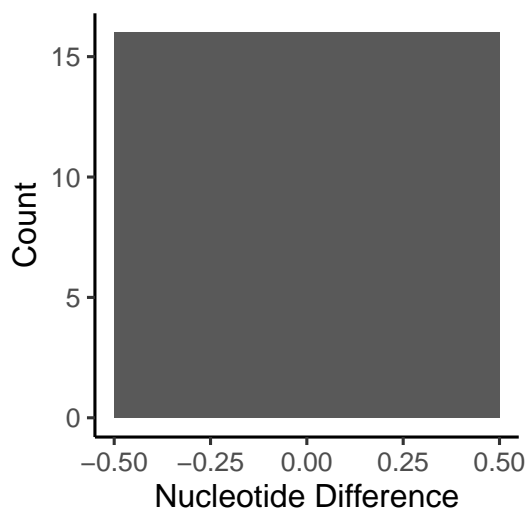
TRBV6-8*ap01

29 sequences assigned
28 (96.6%) exact matches, in which:
28 unique CDR3
9 unique J



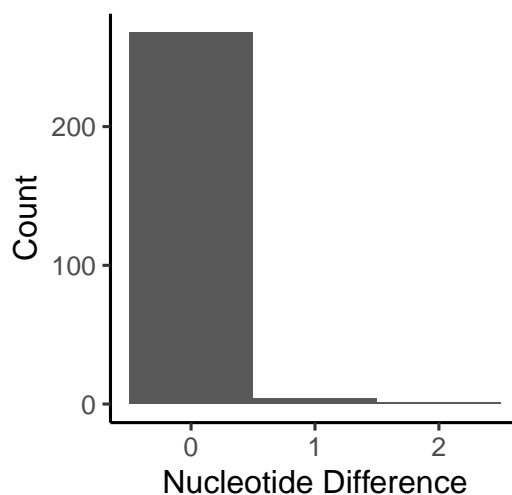
TRBV5-7*ap01

16 sequences assigned
16 (100%) exact matches, in which:
16 unique CDR3
7 unique J



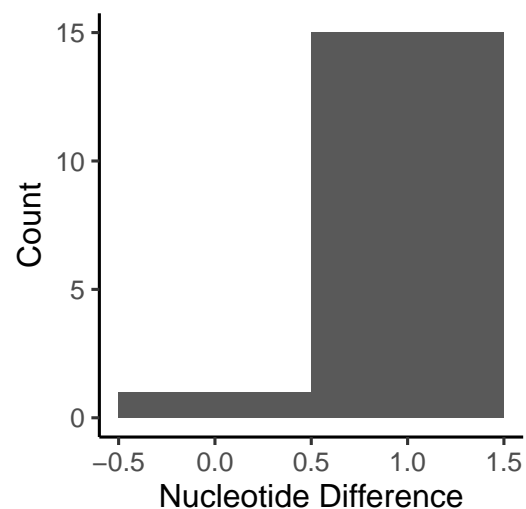
TRBV6-4*ap01

273 sequences assigned
268 (98.2%) exact matches, in which:
264 unique CDR3
13 unique J



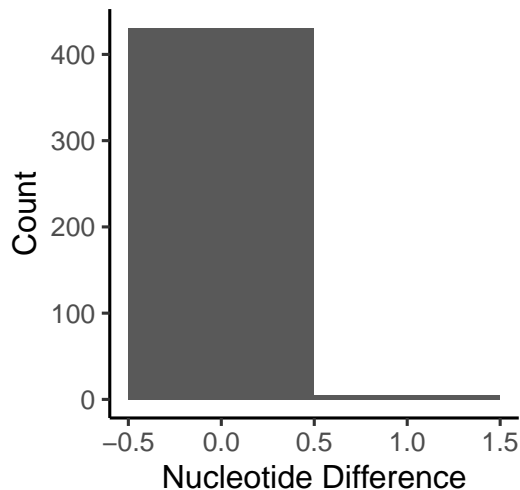
TRBV6-9*ap01

16 sequences assigned
1 (6.2%) exact matches, in which:
1 unique CDR3
1 unique J



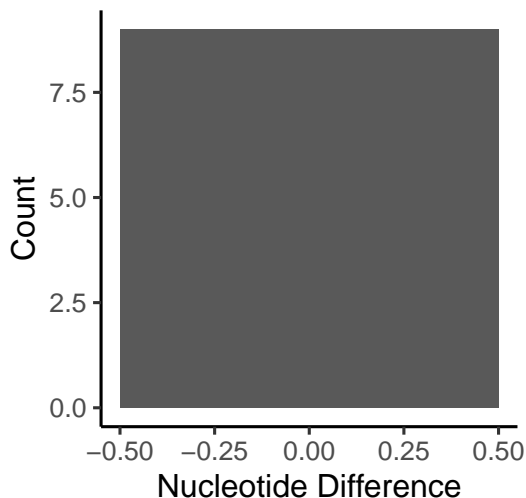
TRBV6-23*ap01

436 sequences assigned
431 (98.9%) exact matches, in which:
430 unique CDR3
13 unique J



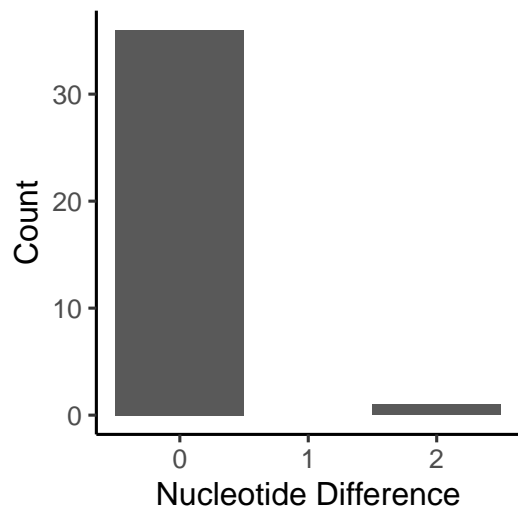
TRBV7-1*ap01_G291C_1

9 sequences assigned
9 (100%) exact matches, in which:
9 unique CDR3
6 unique J



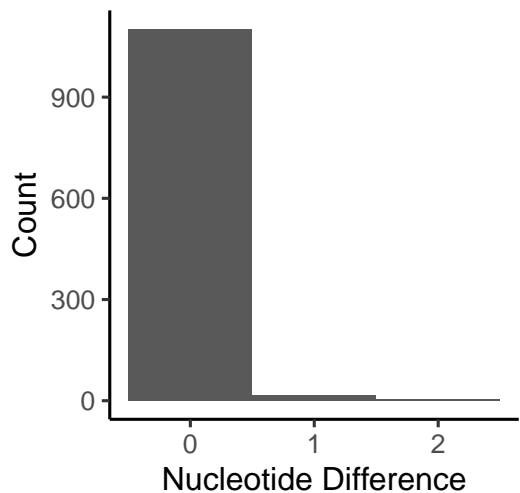
TRBV7-4*ap01

37 sequences assigned
36 (97.3%) exact matches, in which:
36 unique CDR3
8 unique J



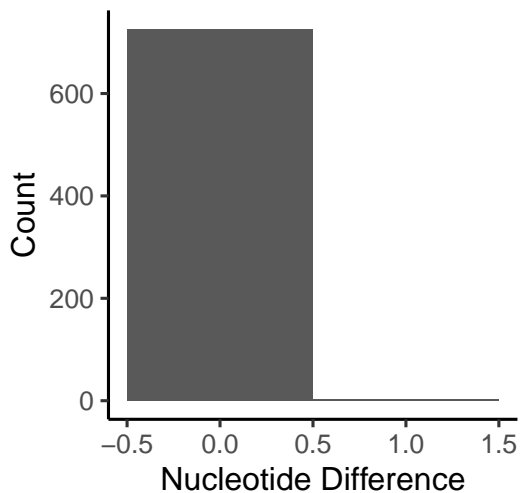
TRBV6-56*ap01

1121 sequences assigned
1102 (98.3%) exact matches, in which:
1091 unique CDR3
13 unique J



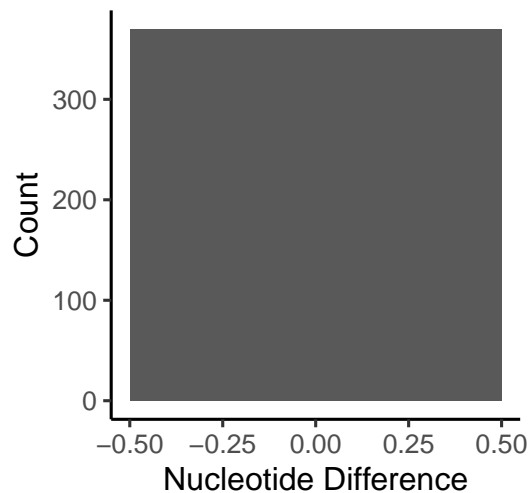
TRBV7-2*ap01

728 sequences assigned
726 (99.7%) exact matches, in which:
724 unique CDR3
12 unique J



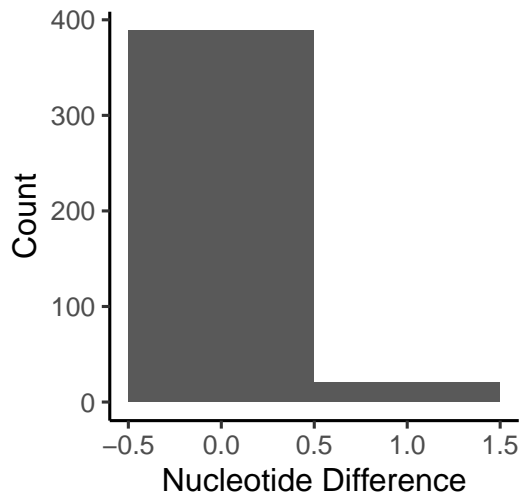
TRBV7-6*ap01

370 sequences assigned
370 (100%) exact matches, in which:
356 unique CDR3
12 unique J



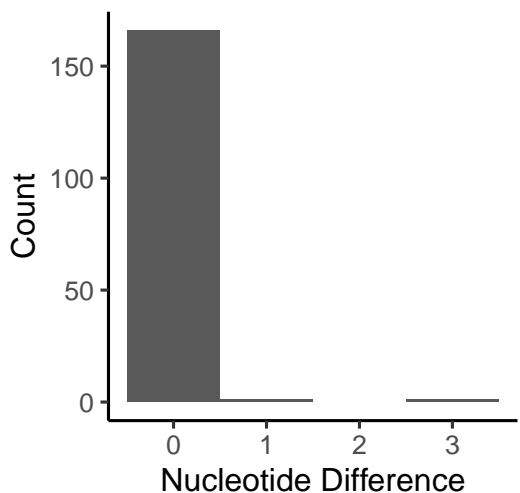
TRBV6-56*ap02

409 sequences assigned
389 (95.1%) exact matches, in which:
386 unique CDR3
13 unique J



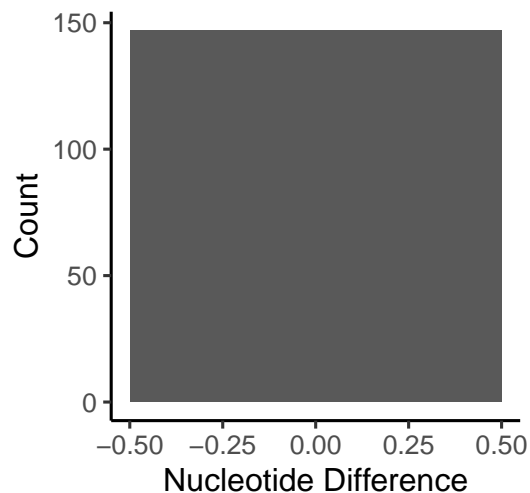
TRBV7-3*ap03

168 sequences assigned
166 (98.8%) exact matches, in which:
165 unique CDR3
12 unique J



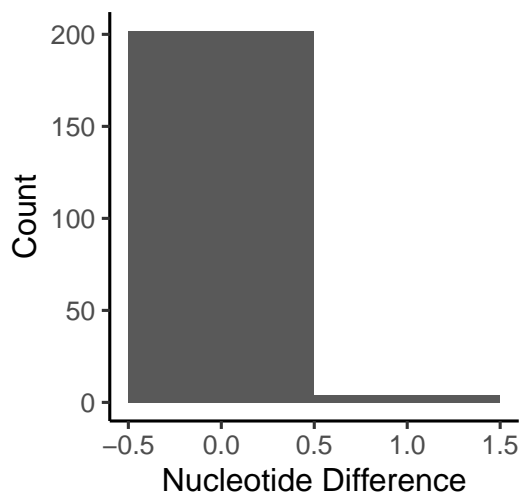
TRBV7-7*ap01

147 sequences assigned
147 (100%) exact matches, in which:
143 unique CDR3
11 unique J



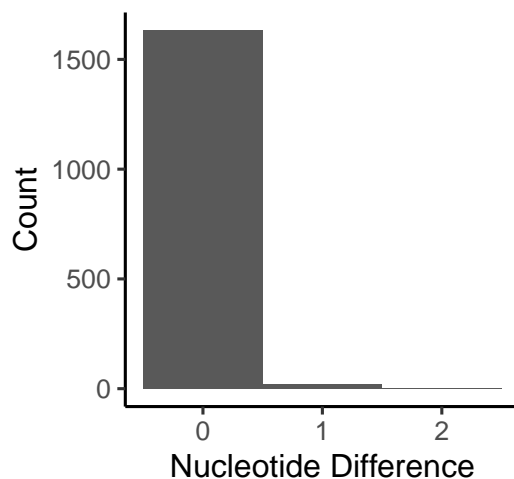
TRBV7-8*ap01

206 sequences assigned
202 (98.1%) exact matches, in which:
199 unique CDR3
13 unique J



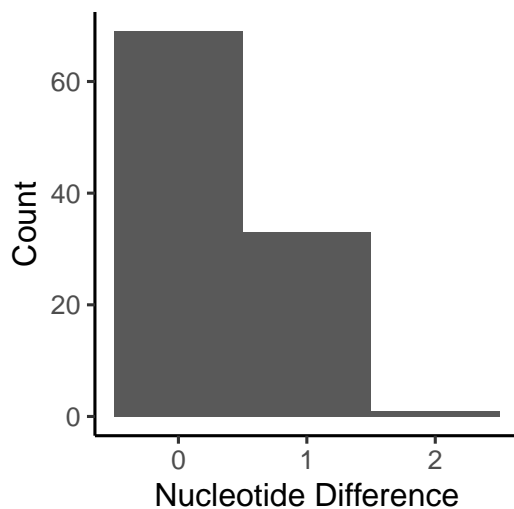
TRBV29-1*ap01

1654 sequences assigned
1632 (98.7%) exact matches, in which:
1586 unique CDR3
13 unique J



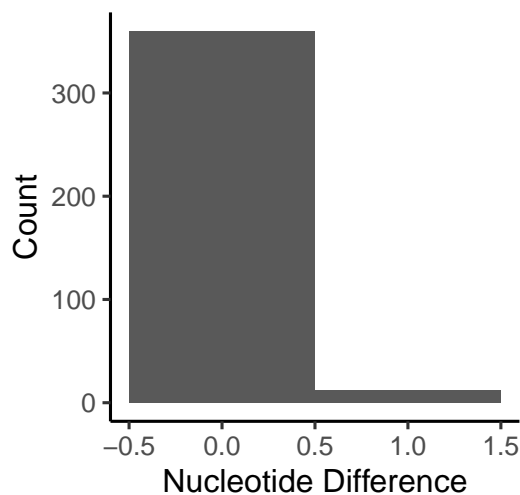
TRBV7-8*ap03

103 sequences assigned
69 (67%) exact matches, in which:
69 unique CDR3
11 unique J



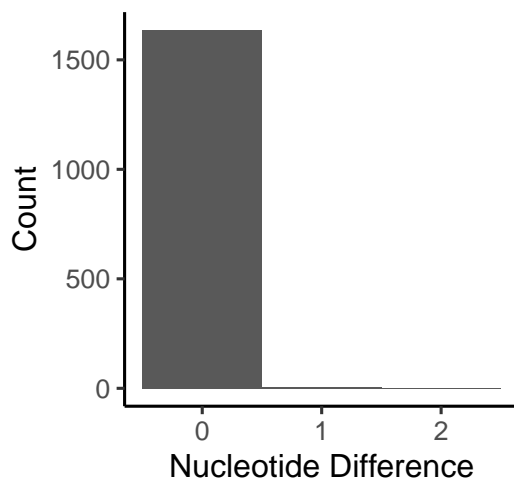
TRBV29-1*ap02

372 sequences assigned
360 (96.8%) exact matches, in which:
341 unique CDR3
13 unique J



TRBV7-9*ap01

1642 sequences assigned
1636 (99.6%) exact matches, in which:
1616 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T

