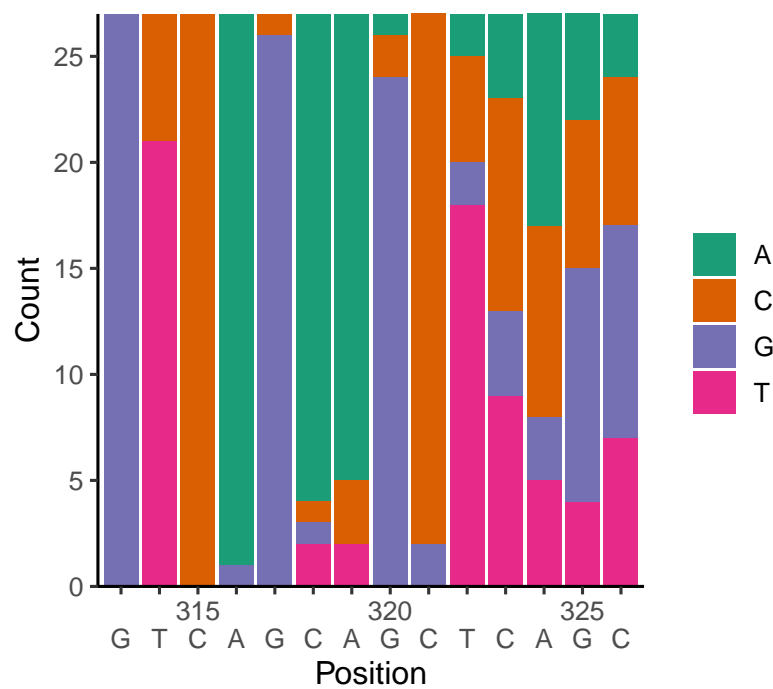
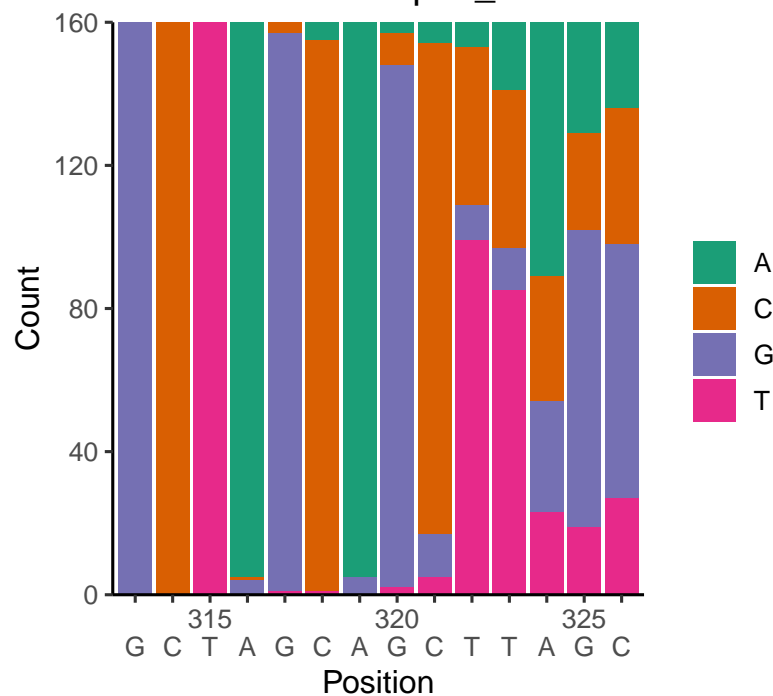


Gene TRBV7-1*ap01_G291C_T296C_C314T



Gene TRBV7-7*ap01_C315T



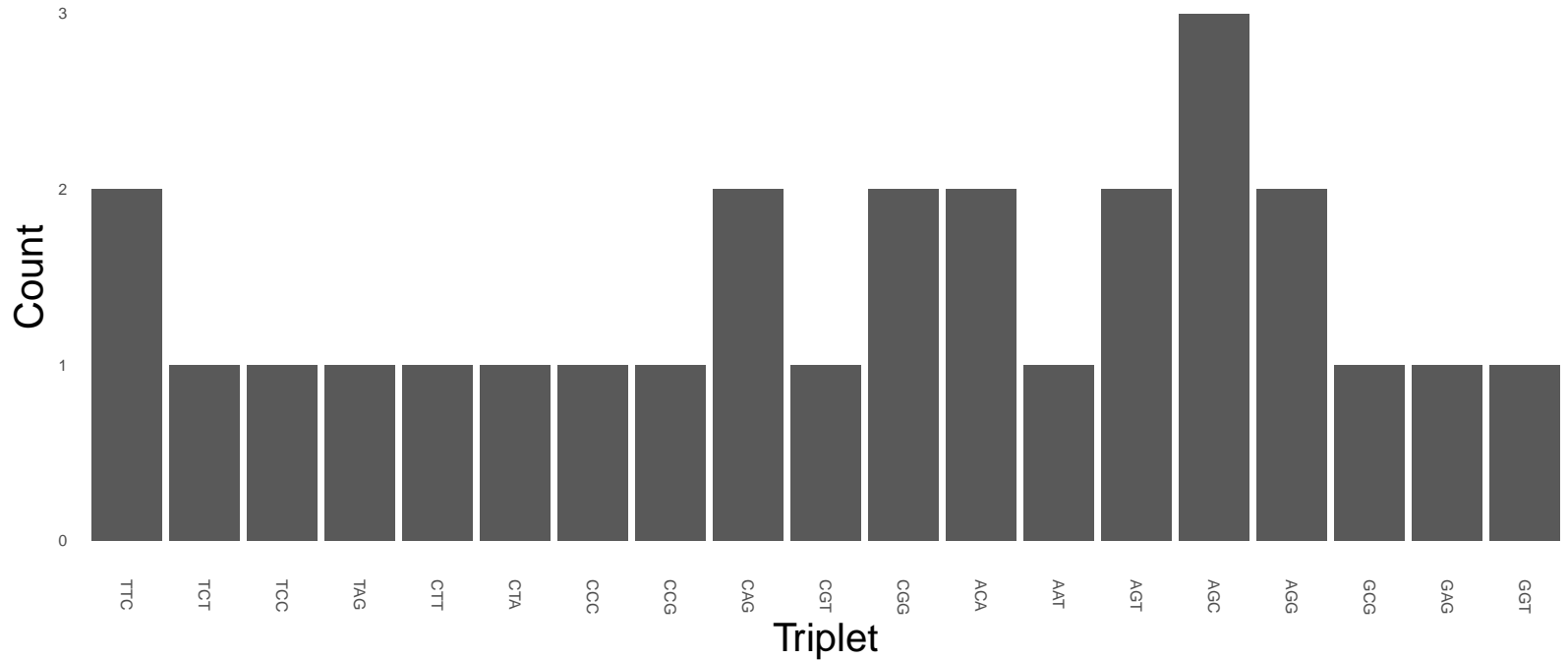
Gene TRBV7-1*ap01_G291C_T296C_C314T



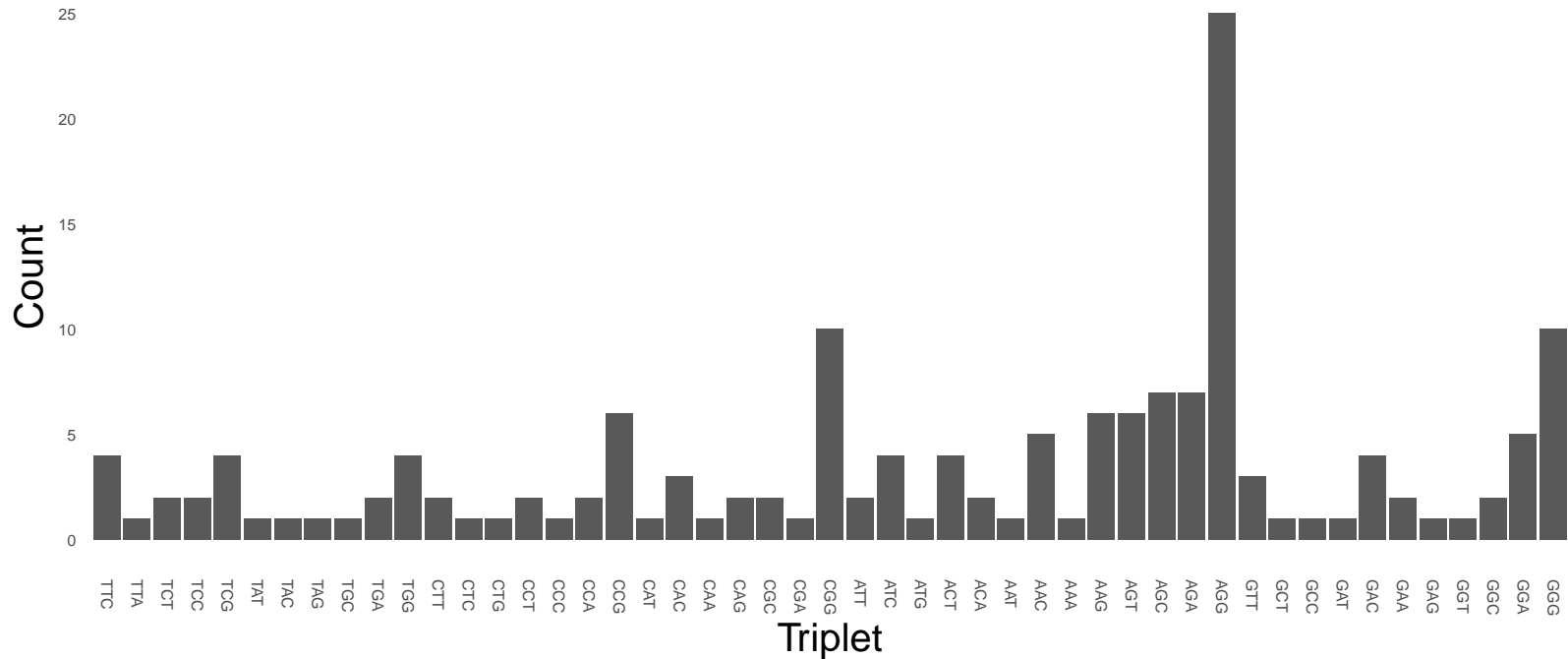
Gene TRBV7-7*ap01_C315T



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

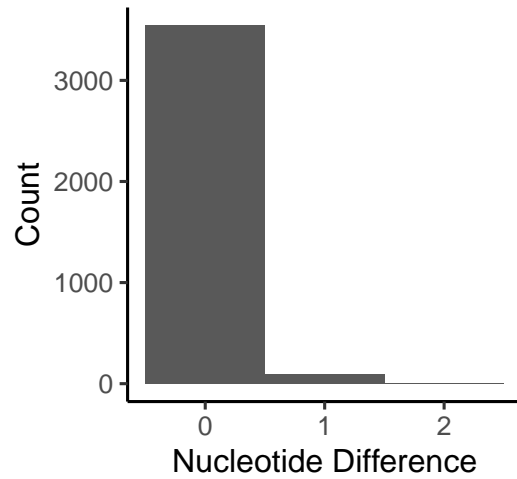


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



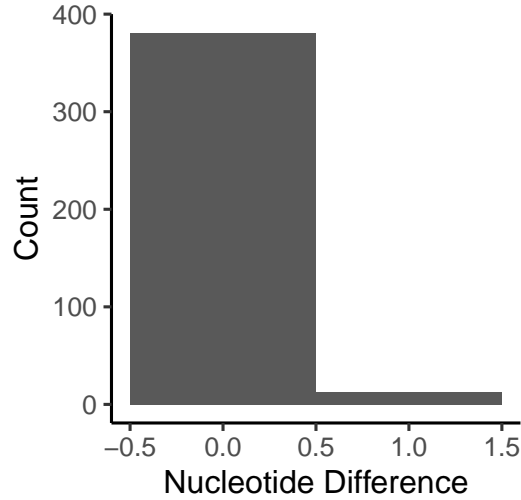
TRBV20-1*ap01

3643 sequences assigned
3544 (97.3%) exact matches, in which:
3429 unique CDR3
13 unique J



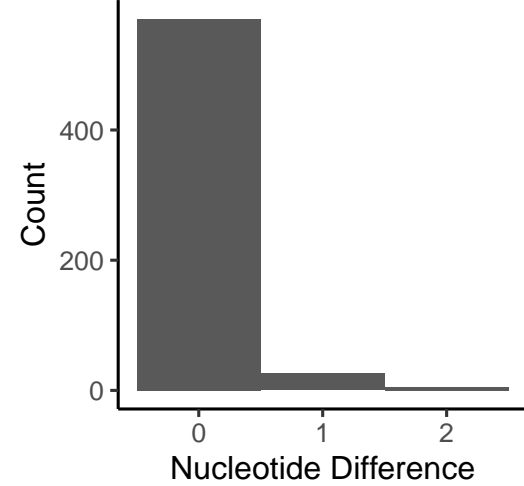
TRBV10-2*ap01

394 sequences assigned
381 (96.7%) exact matches, in which:
371 unique CDR3
13 unique J



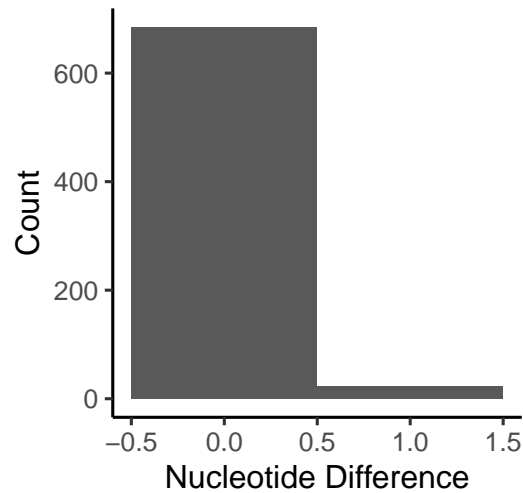
TRBV13*ap01

602 sequences assigned
571 (94.9%) exact matches, in which:
560 unique CDR3
13 unique J



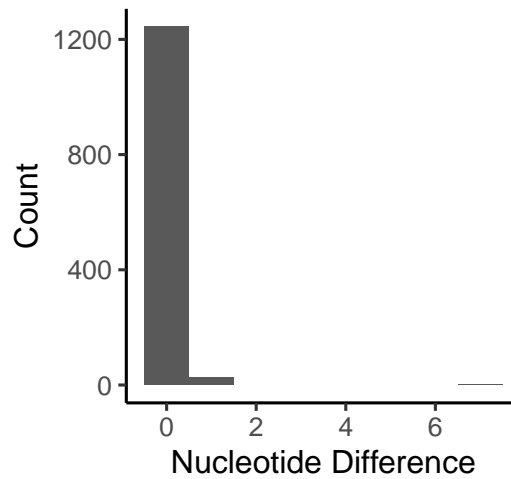
TRBV10-1*ap01

708 sequences assigned
685 (96.8%) exact matches, in which:
669 unique CDR3
13 unique J



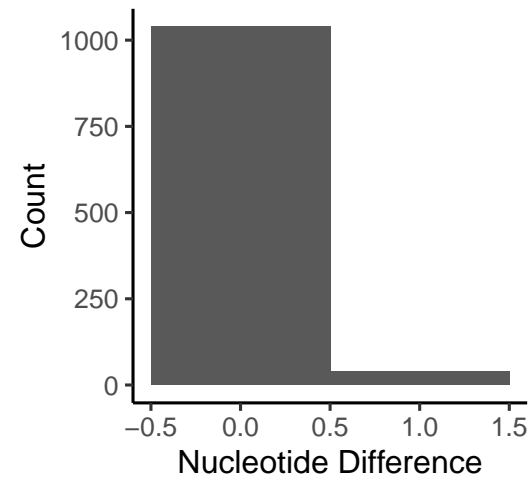
TRBV10-3*ap01

1272 sequences assigned
1244 (97.8%) exact matches, in which:
1222 unique CDR3
13 unique J



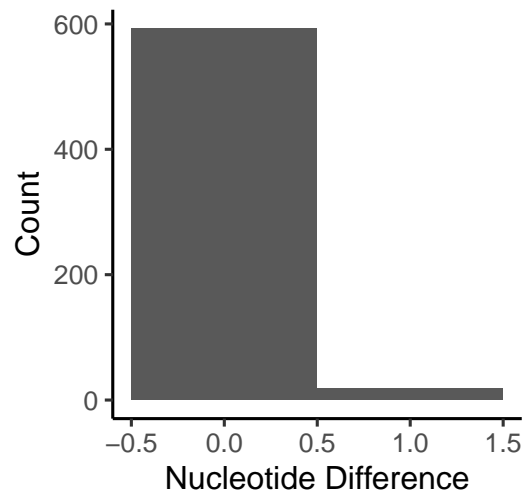
TRBV14*ap01

1078 sequences assigned
1039 (96.4%) exact matches, in which:
1014 unique CDR3
14 unique J



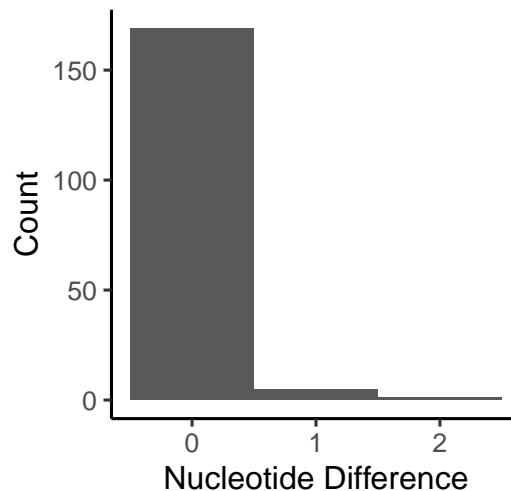
TRBV20-1*ap02

611 sequences assigned
593 (97.1%) exact matches, in which:
568 unique CDR3
13 unique J



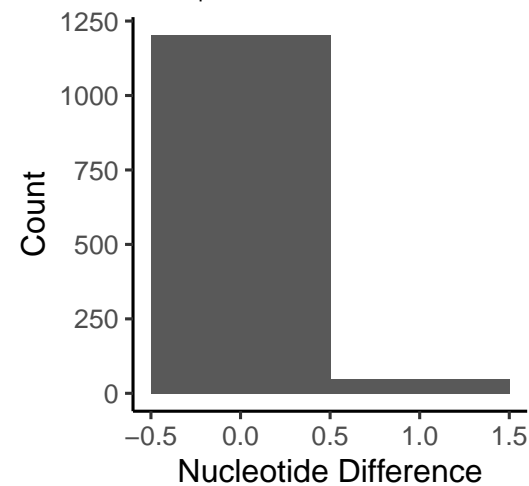
TRBV1*ap01

175 sequences assigned
169 (96.6%) exact matches, in which:
164 unique CDR3
13 unique J



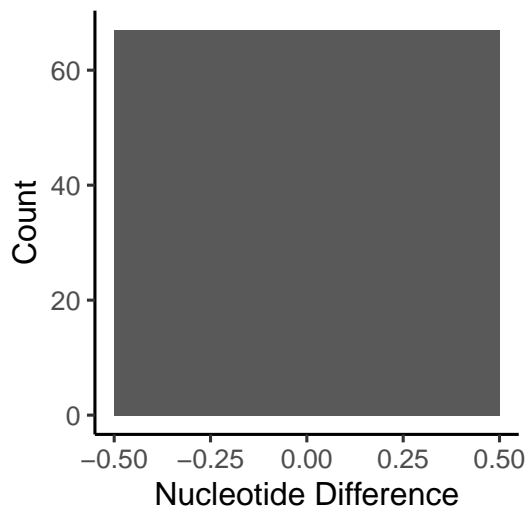
TRBV15*ap02

1251 sequences assigned
1203 (96.2%) exact matches, in which:
1182 unique CDR3
13 unique J



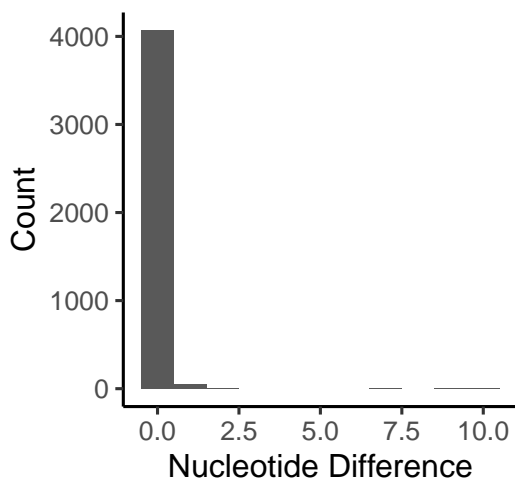
TRBV16*ap01

67 sequences assigned
67 (100%) exact matches, in which:
66 unique CDR3
10 unique J



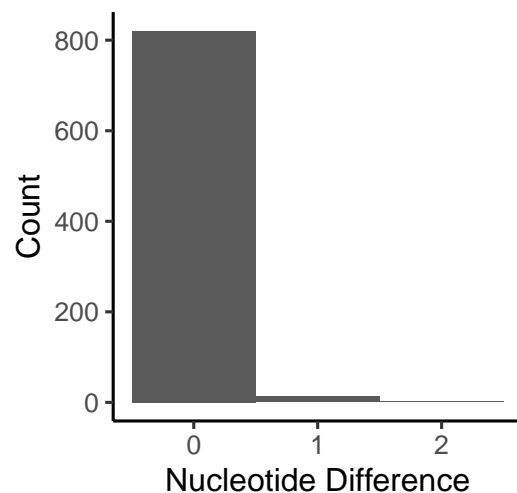
TRBV19*ap01

4127 sequences assigned
4068 (98.6%) exact matches, in which:
3987 unique CDR3
13 unique J



TRBV28*ap01

836 sequences assigned
821 (98.2%) exact matches, in which:
802 unique CDR3
13 unique J



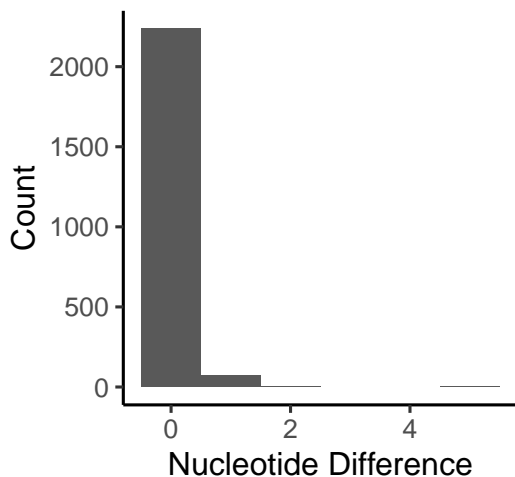
TRBV17*ap01

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



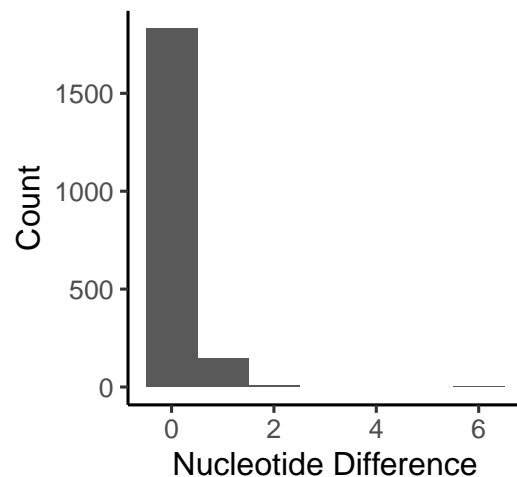
TRBV2*ap01

2309 sequences assigned
2237 (96.9%) exact matches, in which:
2203 unique CDR3
13 unique J



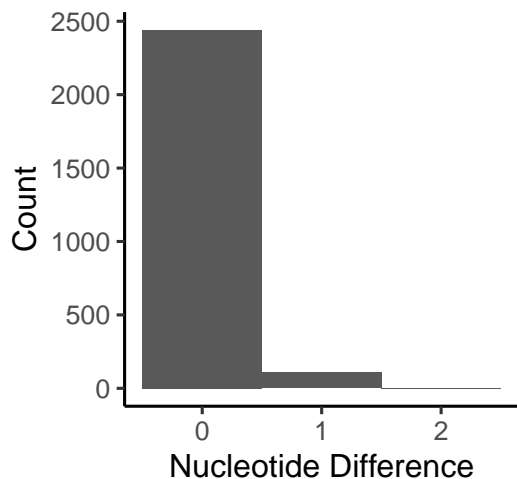
TRBV30*ap02

1986 sequences assigned
1830 (92.1%) exact matches, in which:
1679 unique CDR3
13 unique J



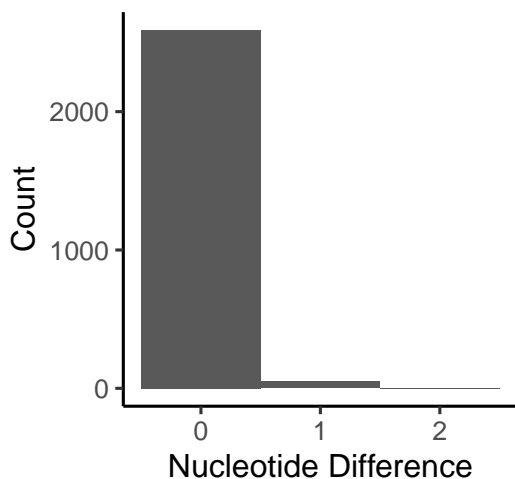
TRBV18*ap01

2550 sequences assigned
2440 (95.7%) exact matches, in which:
2350 unique CDR3
13 unique J



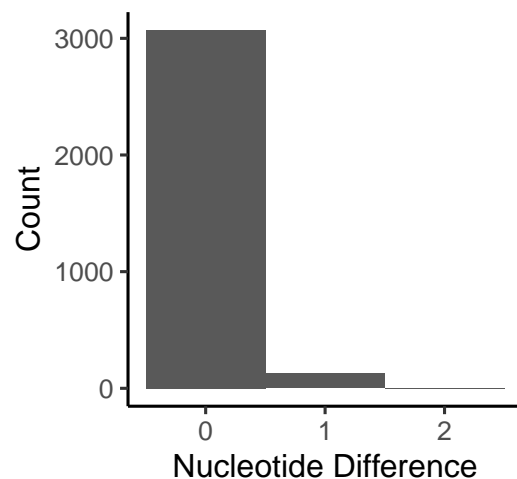
TRBV27*ap01

2640 sequences assigned
2590 (98.1%) exact matches, in which:
2540 unique CDR3
13 unique J



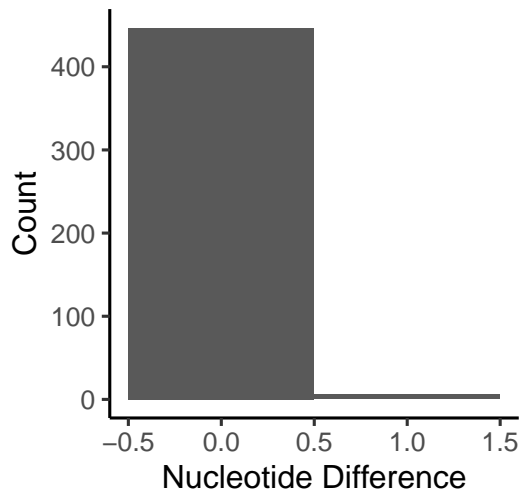
TRBV9*ap01

3201 sequences assigned
3071 (95.9%) exact matches, in which:
3005 unique CDR3
13 unique J



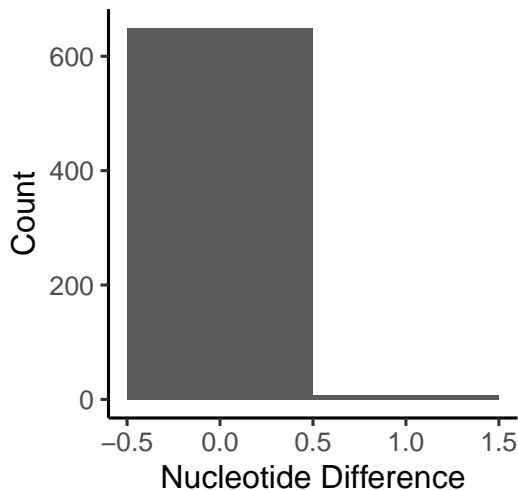
TRBV21–1*ap01

453 sequences assigned
447 (98.7%) exact matches, in which:
444 unique CDR3
13 unique J



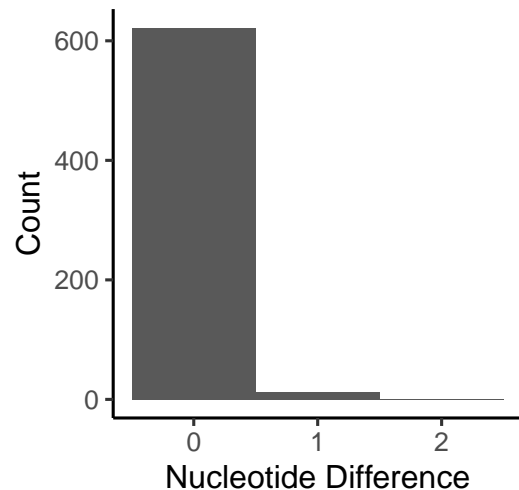
TRBV11–3*ap01

658 sequences assigned
650 (98.8%) exact matches, in which:
643 unique CDR3
13 unique J



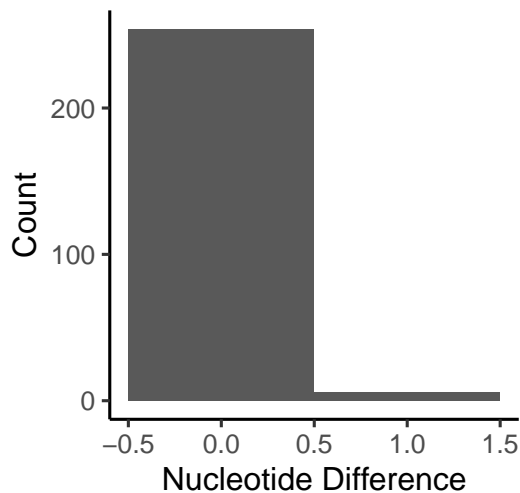
TRBV12–5*ap01

636 sequences assigned
622 (97.8%) exact matches, in which:
612 unique CDR3
13 unique J



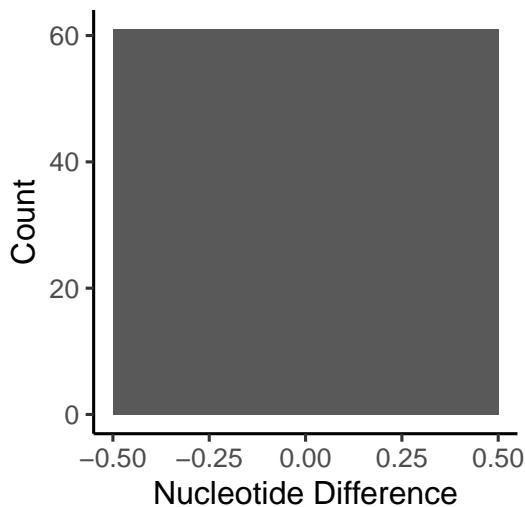
TRBV11–1*ap01

260 sequences assigned
254 (97.7%) exact matches, in which:
247 unique CDR3
13 unique J



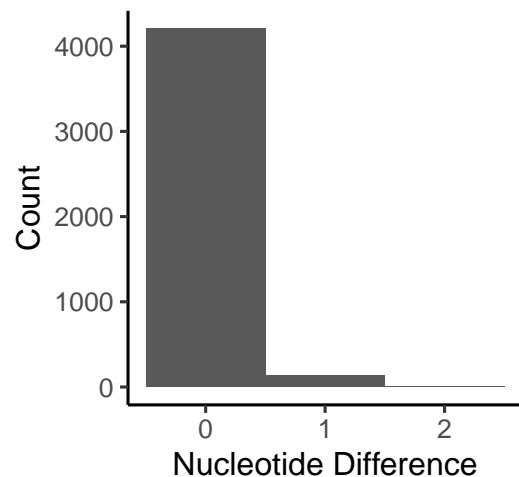
TRBV12–1*ap01

61 sequences assigned
61 (100%) exact matches, in which:
60 unique CDR3
10 unique J



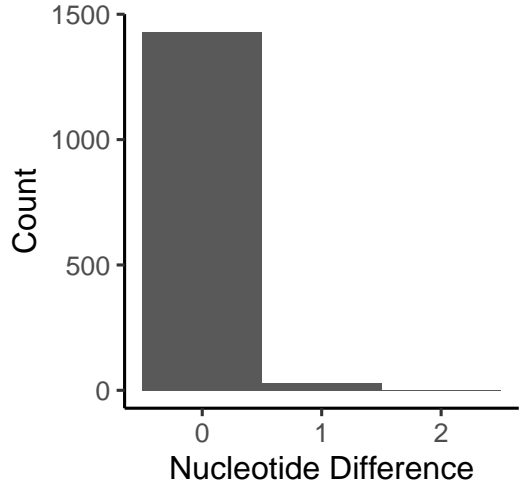
TRBV12–34*ap01

4344 sequences assigned
4205 (96.8%) exact matches, in which:
4114 unique CDR3
13 unique J



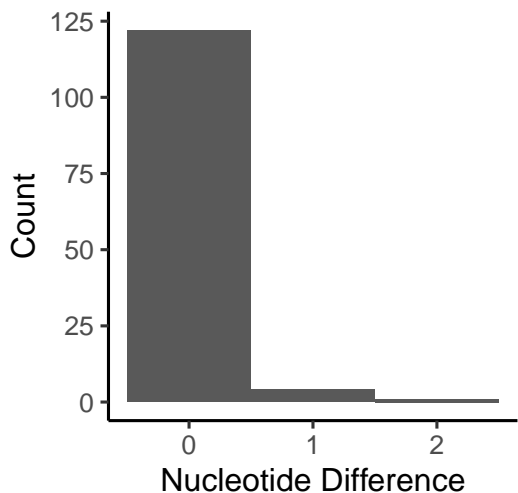
TRBV11–2*ap01

1459 sequences assigned
1429 (97.9%) exact matches, in which:
1399 unique CDR3
13 unique J



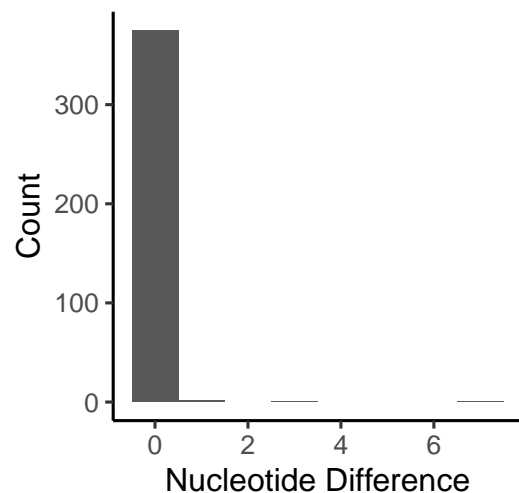
TRBV12–2*ap01

127 sequences assigned
122 (96.1%) exact matches, in which:
119 unique CDR3
12 unique J



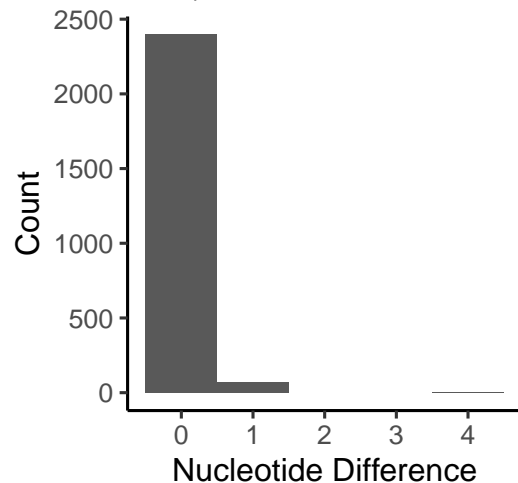
TRBV23–1*ap01

379 sequences assigned
375 (98.9%) exact matches, in which:
370 unique CDR3
13 unique J



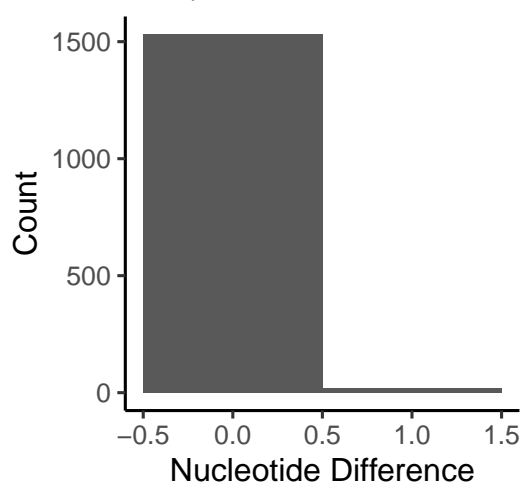
TRBV3-12*ap01

2471 sequences assigned
2398 (97%) exact matches, in which:
2364 unique CDR3
13 unique J



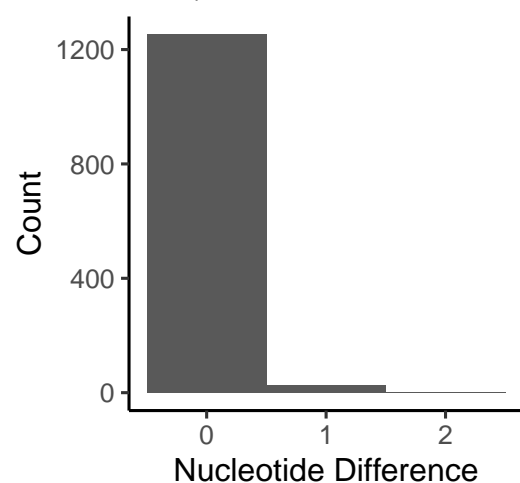
TRBV4-2*ap01

1551 sequences assigned
1531 (98.7%) exact matches, in which:
1477 unique CDR3
13 unique J



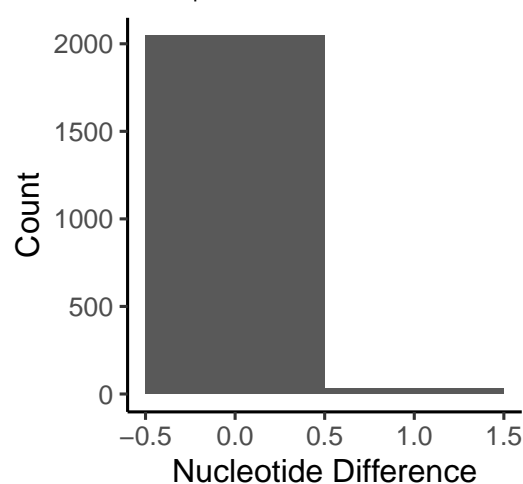
TRBV25-1*ap01

1280 sequences assigned
1253 (97.9%) exact matches, in which:
1208 unique CDR3
13 unique J



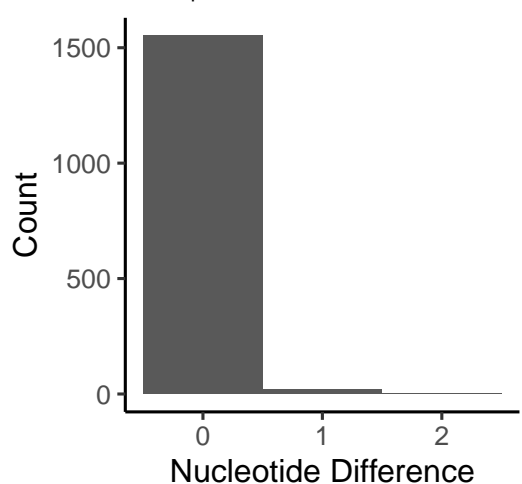
TRBV4-1*ap01

2075 sequences assigned
2046 (98.6%) exact matches, in which:
1968 unique CDR3
13 unique J



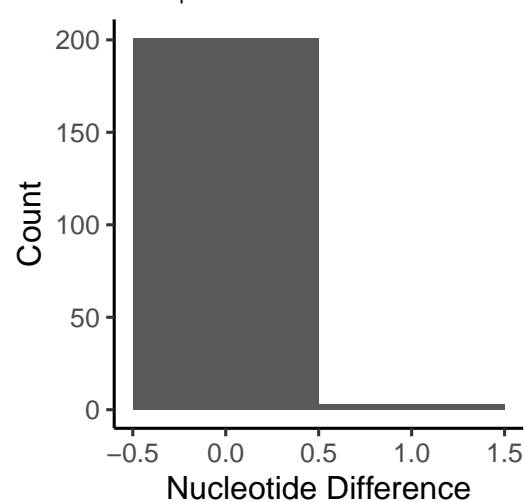
TRBV4-3*ap01

1574 sequences assigned
1552 (98.6%) exact matches, in which:
1501 unique CDR3
13 unique J



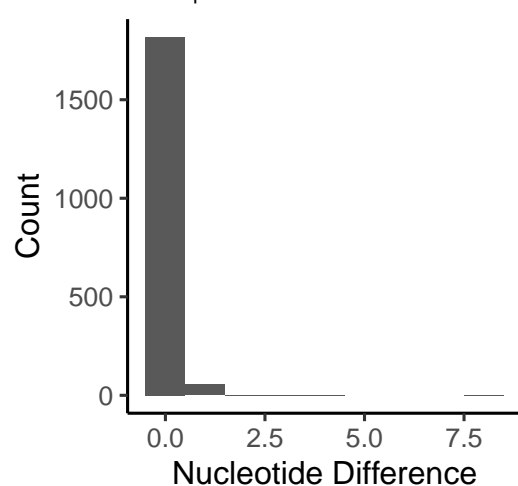
TRBV5-3*ap01

204 sequences assigned
201 (98.5%) exact matches, in which:
194 unique CDR3
12 unique J



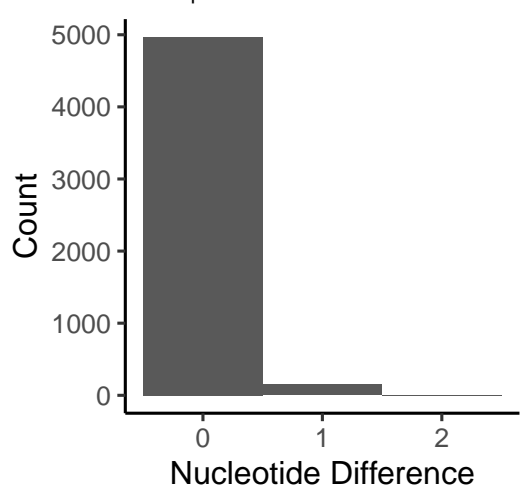
TRBV24-1*ap01

1879 sequences assigned
1818 (96.8%) exact matches, in which:
1770 unique CDR3
13 unique J



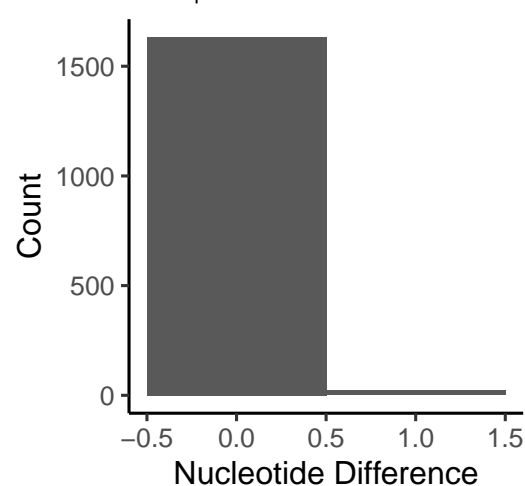
TRBV5-1*ap01

5119 sequences assigned
4968 (97.1%) exact matches, in which:
4813 unique CDR3
13 unique J



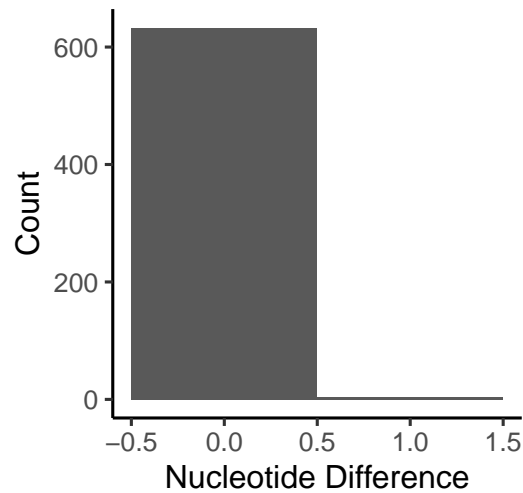
TRBV5-4*ap01

1655 sequences assigned
1633 (98.7%) exact matches, in which:
1591 unique CDR3
13 unique J



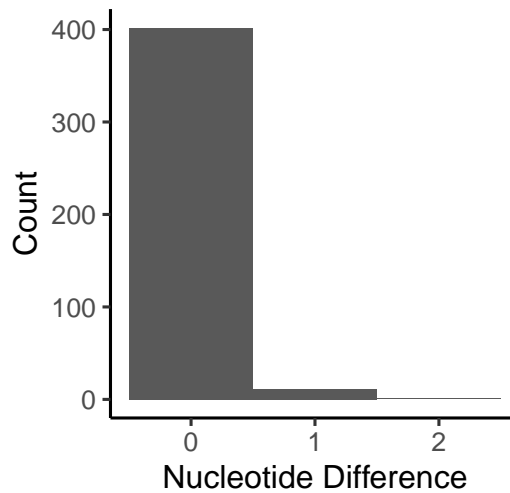
TRBV5-5*ap01

637 sequences assigned
633 (99.4%) exact matches, in which:
626 unique CDR3
13 unique J



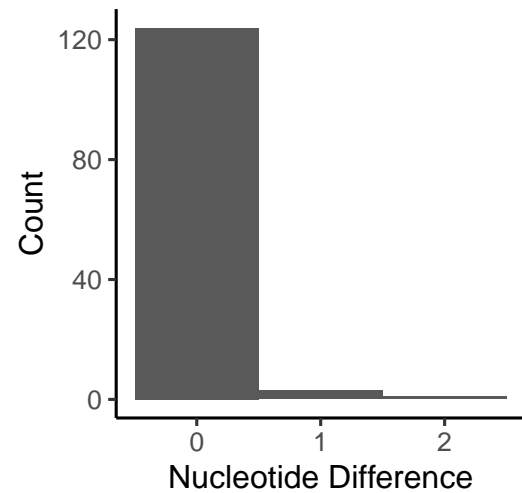
TRBV5-8*ap01

414 sequences assigned
402 (97.1%) exact matches, in which:
396 unique CDR3
13 unique J



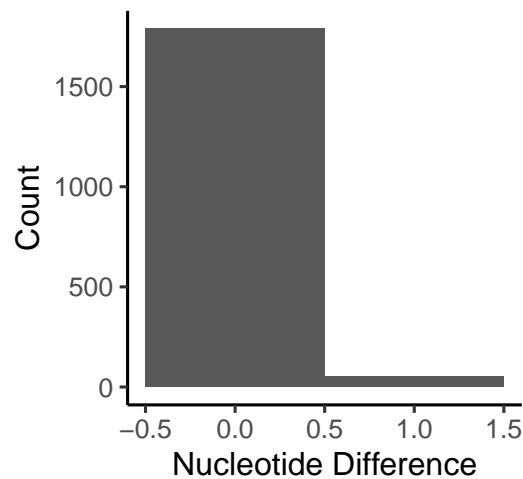
TRBV6-7*ap01

128 sequences assigned
124 (96.9%) exact matches, in which:
113 unique CDR3
12 unique J



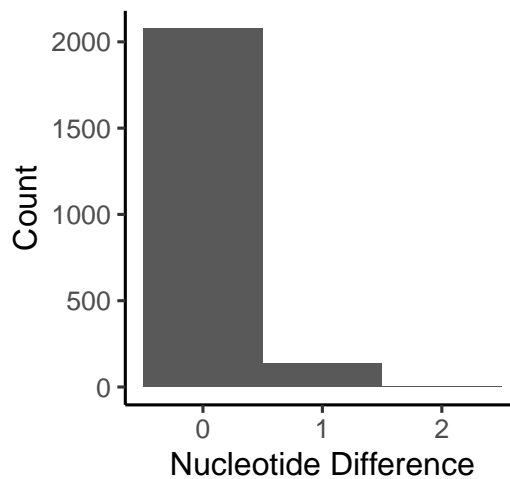
TRBV5-6*ap01

1840 sequences assigned
1789 (97.2%) exact matches, in which:
1693 unique CDR3
13 unique J



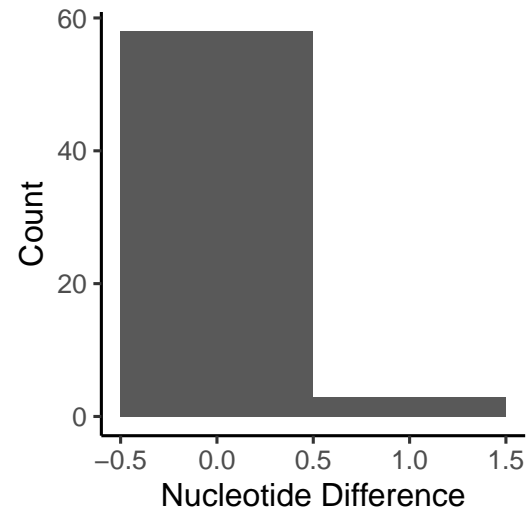
TRBV6-1*ap01

2214 sequences assigned
2076 (93.8%) exact matches, in which:
2019 unique CDR3
13 unique J



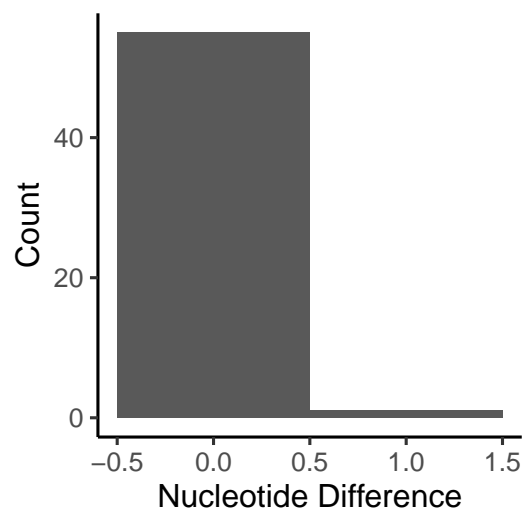
TRBV6-8*ap01

61 sequences assigned
58 (95.1%) exact matches, in which:
57 unique CDR3
12 unique J



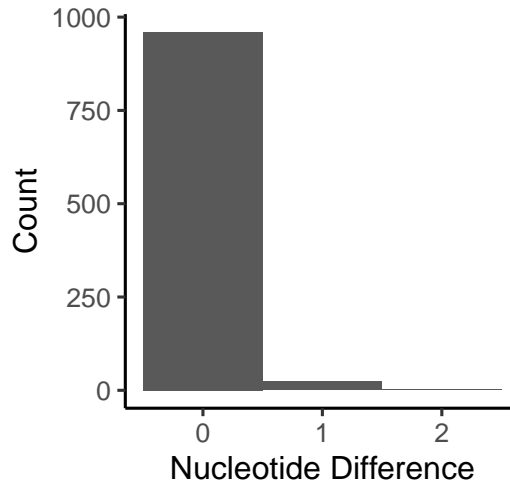
TRBV5-7*ap01

56 sequences assigned
55 (98.2%) exact matches, in which:
50 unique CDR3
11 unique J



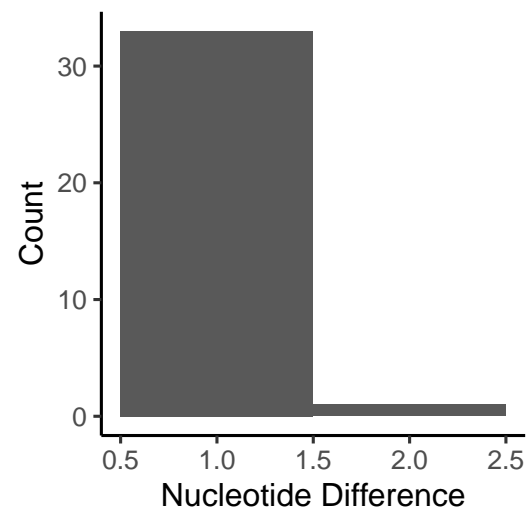
TRBV6-4*ap01

986 sequences assigned
960 (97.4%) exact matches, in which:
946 unique CDR3
13 unique J



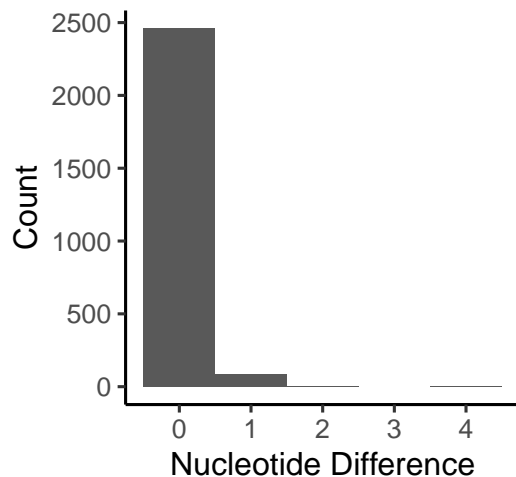
TRBV6-9*ap01

34 sequences assigned
No exact matches.



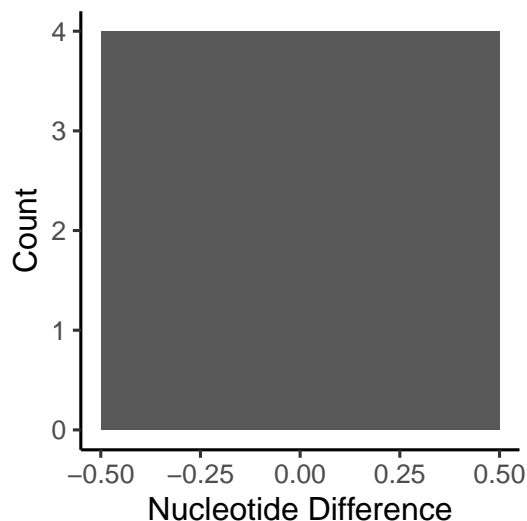
TRBV6-23*ap01

2551 sequences assigned
2460 (96.4%) exact matches, in which:
2386 unique CDR3
13 unique J



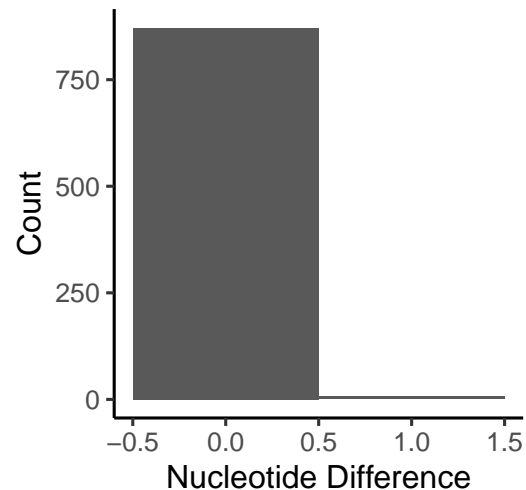
TRBV7-1*ap01

4 sequences assigned
4 (100%) exact matches, in which:
4 unique CDR3
4 unique J



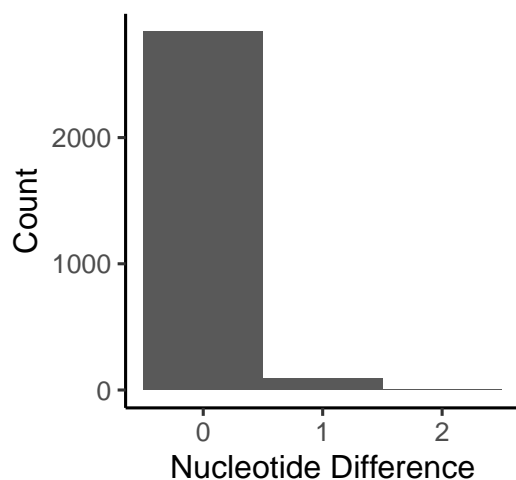
TRBV7-3*ap01

879 sequences assigned
872 (99.2%) exact matches, in which:
855 unique CDR3
13 unique J



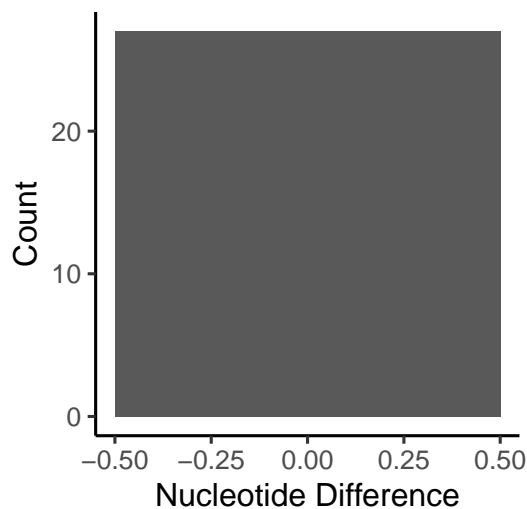
TRBV6-56*ap01

2932 sequences assigned
2839 (96.8%) exact matches, in which:
2757 unique CDR3
13 unique J



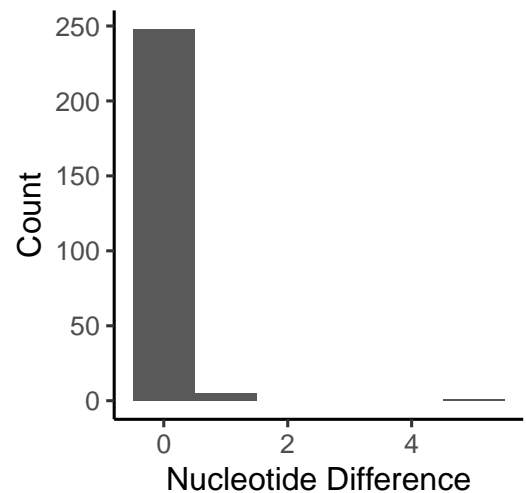
TRBV7-1*ap01_G291C_T

27 sequences assigned
27 (100%) exact matches, in which:
27 unique CDR3
8 unique J



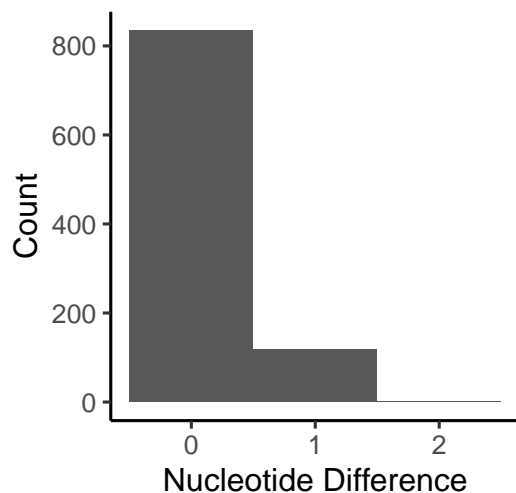
TRBV7-3*ap03

254 sequences assigned
248 (97.6%) exact matches, in which:
245 unique CDR3
12 unique J



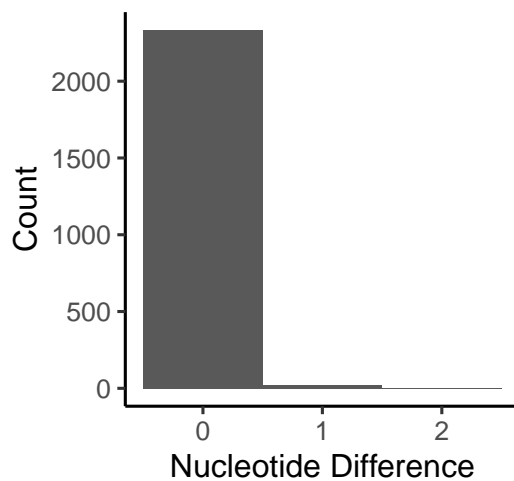
TRBV6-56*ap02

955 sequences assigned
835 (87.4%) exact matches, in which:
814 unique CDR3
13 unique J



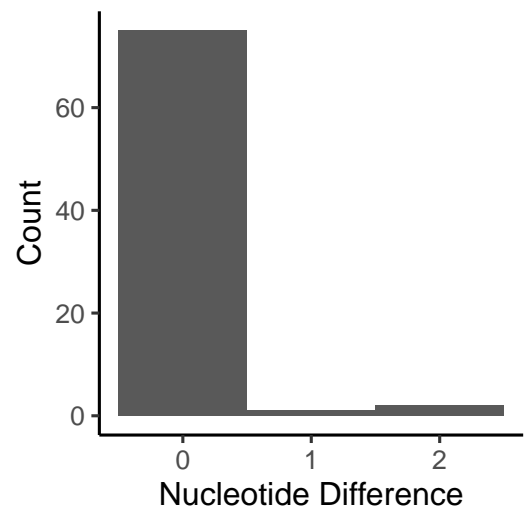
TRBV7-2*ap01

2356 sequences assigned
2333 (99%) exact matches, in which:
2277 unique CDR3
13 unique J



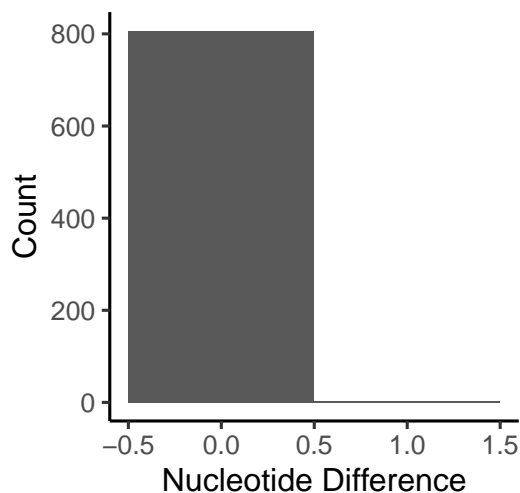
TRBV7-4*ap01

78 sequences assigned
75 (96.2%) exact matches, in which:
73 unique CDR3
12 unique J



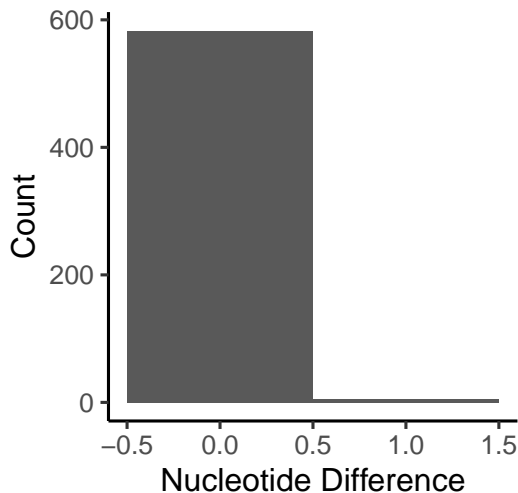
TRBV7-6*ap01

810 sequences assigned
807 (99.6%) exact matches, in which:
789 unique CDR3
13 unique J



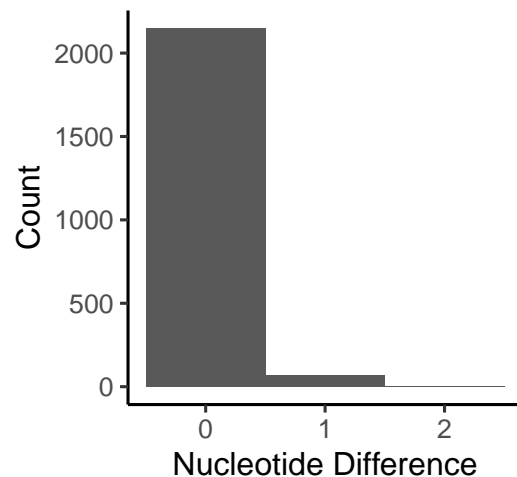
TRBV7-8*ap01

588 sequences assigned
583 (99.1%) exact matches, in which:
574 unique CDR3
13 unique J



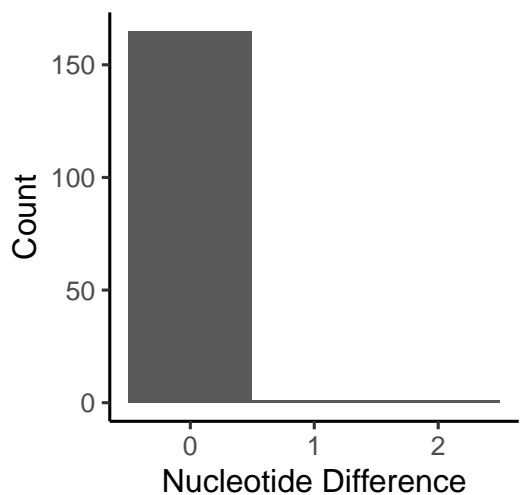
TRBV29-1*ap01

2222 sequences assigned
2148 (96.7%) exact matches, in which:
1995 unique CDR3
13 unique J



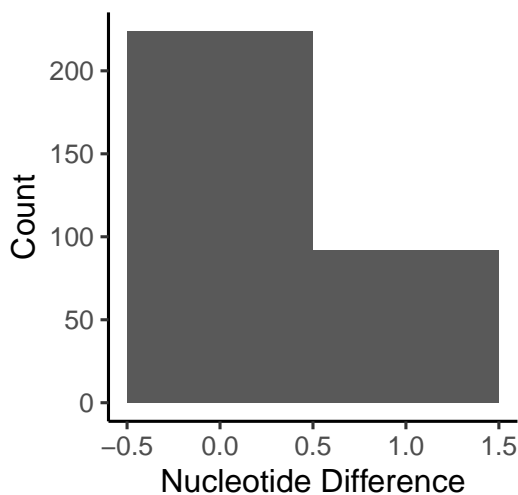
TRBV7-7*ap01

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



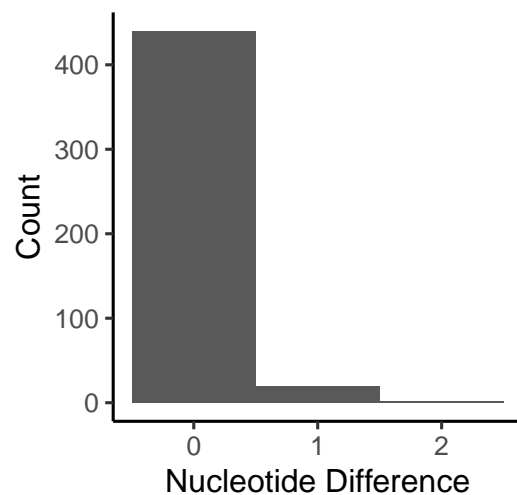
TRBV7-8*ap03

316 sequences assigned
224 (70.9%) exact matches, in which:
220 unique CDR3
13 unique J



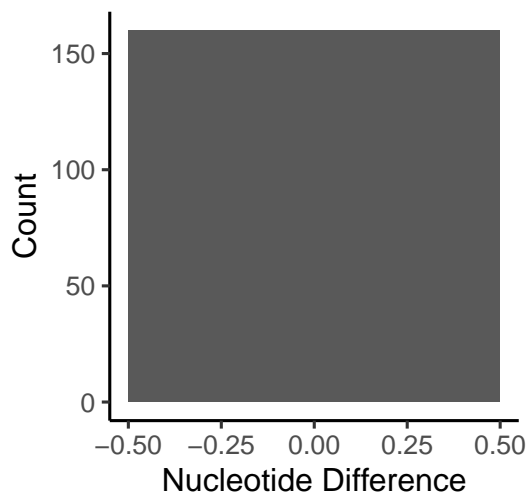
TRBV29-1*ap02

462 sequences assigned
440 (95.2%) exact matches, in which:
404 unique CDR3
13 unique J



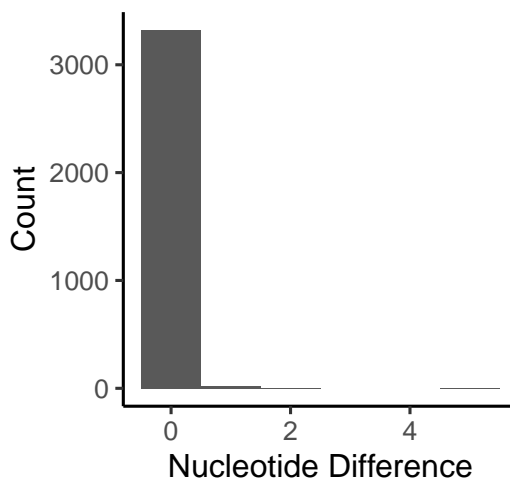
TRBV7-7*ap01_C315T

160 sequences assigned
160 (100%) exact matches, in which:
152 unique CDR3
12 unique J

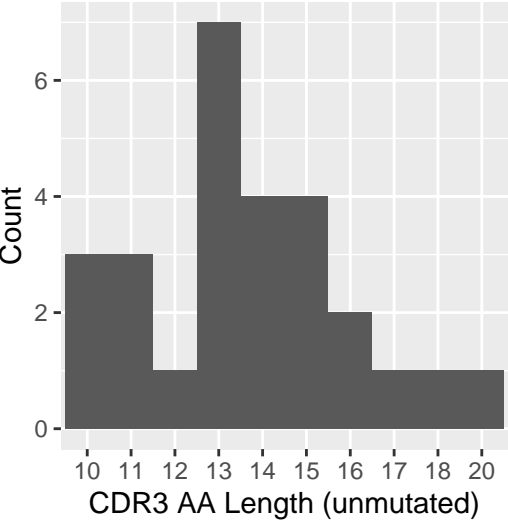


TRBV7-9*ap01

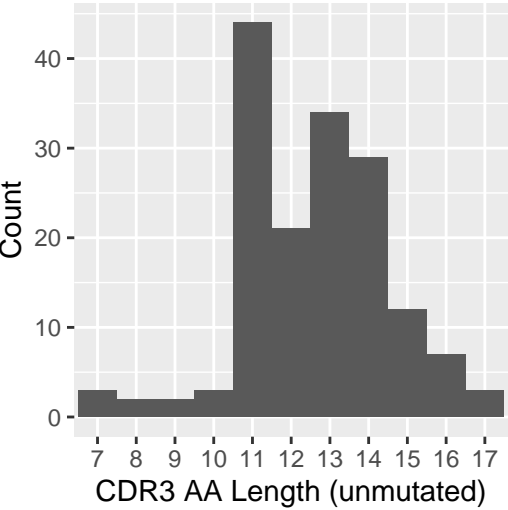
3345 sequences assigned
3322 (99.3%) exact matches, in which:
3248 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-7*ap01_C315T





[illegible]