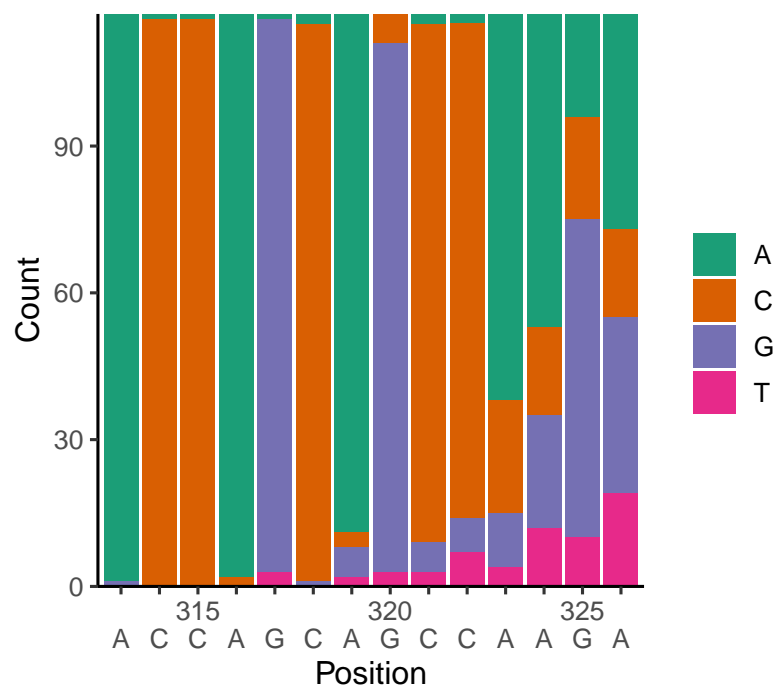
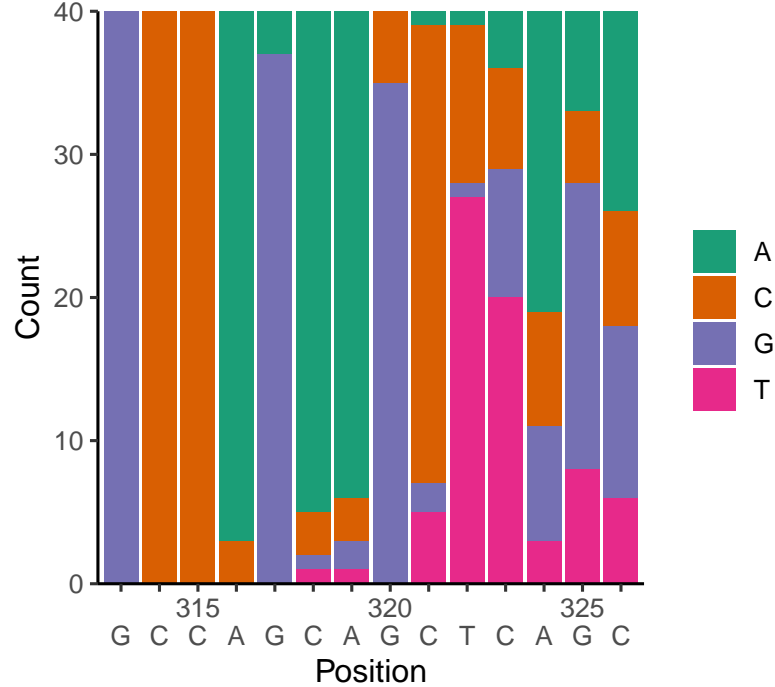


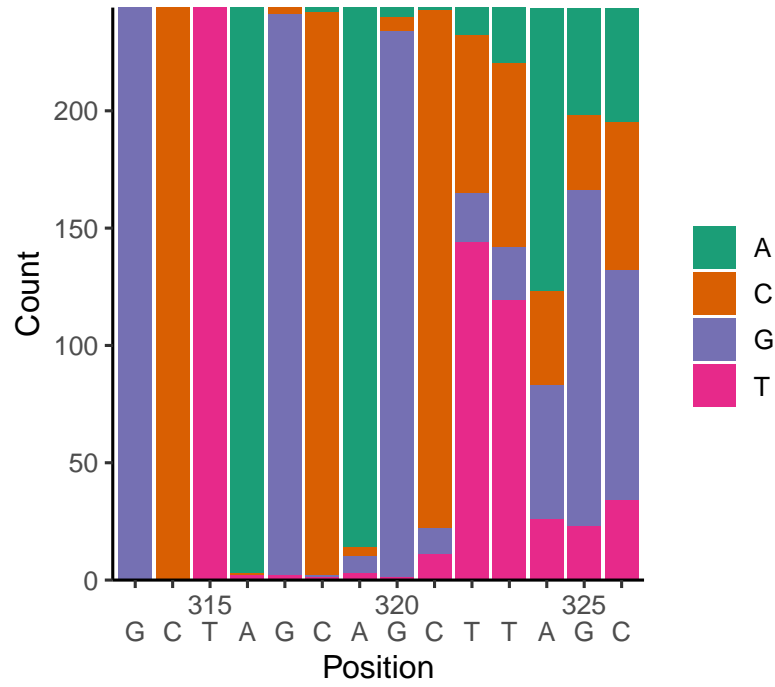
Gene TRBV1*ap01_C302T



Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-7*ap01_C315T



Gene TRBV1*ap01_C302T



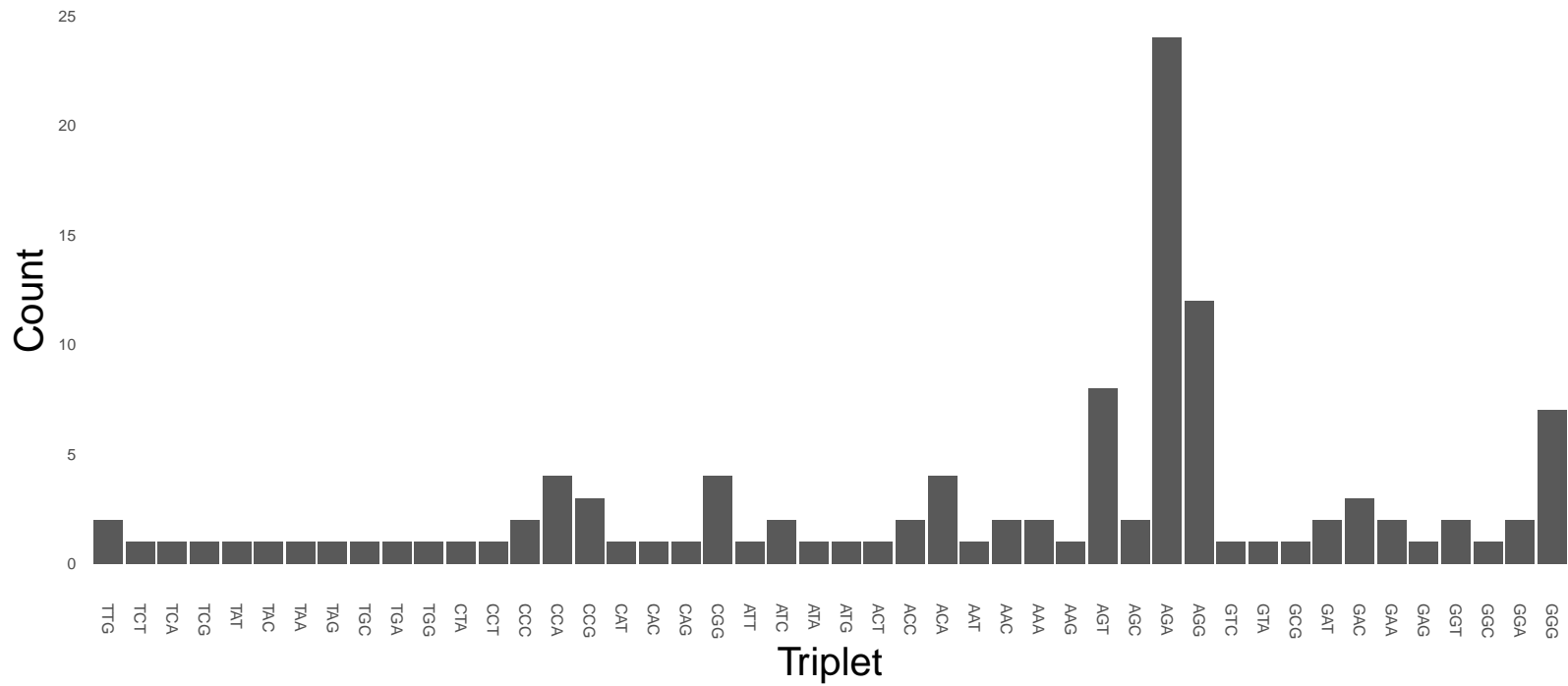
Gene TRBV7-1*ap01_G291C_T296C



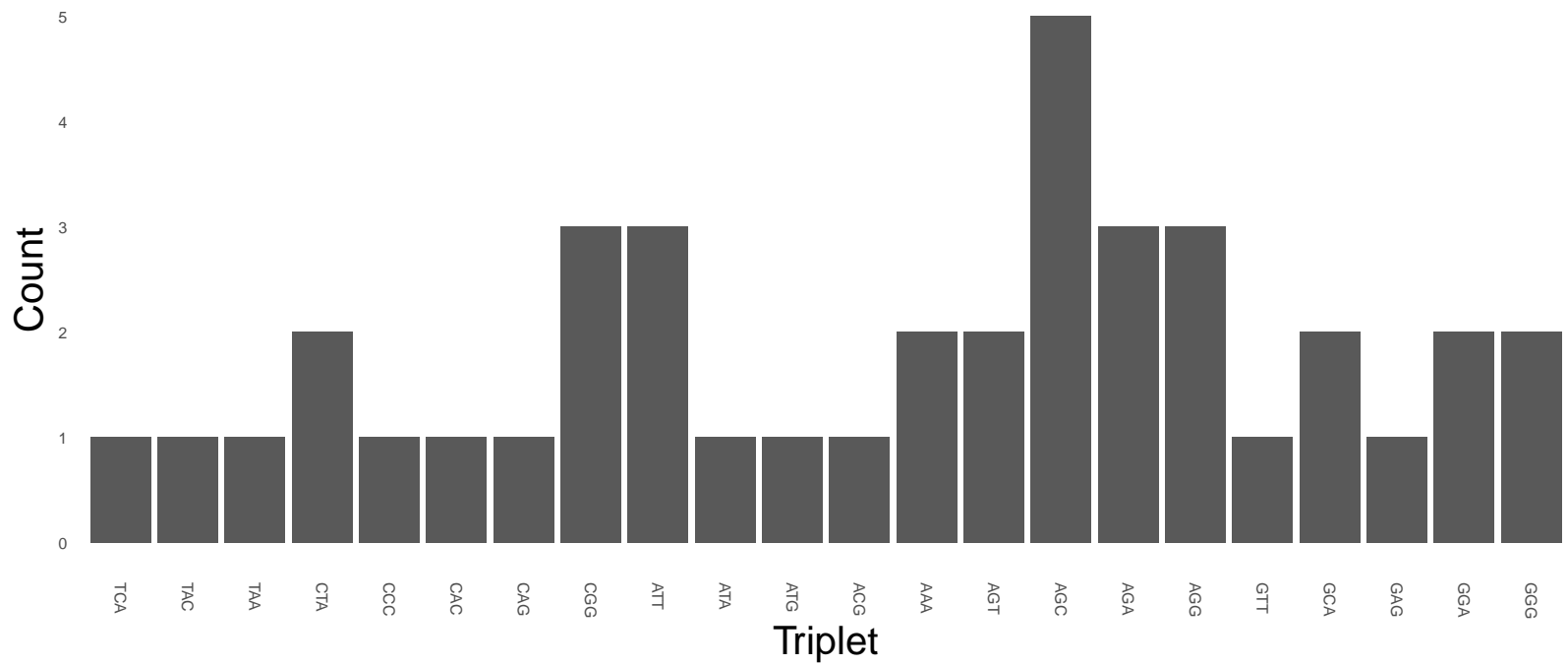
Gene TRBV7-7*ap01_C315T



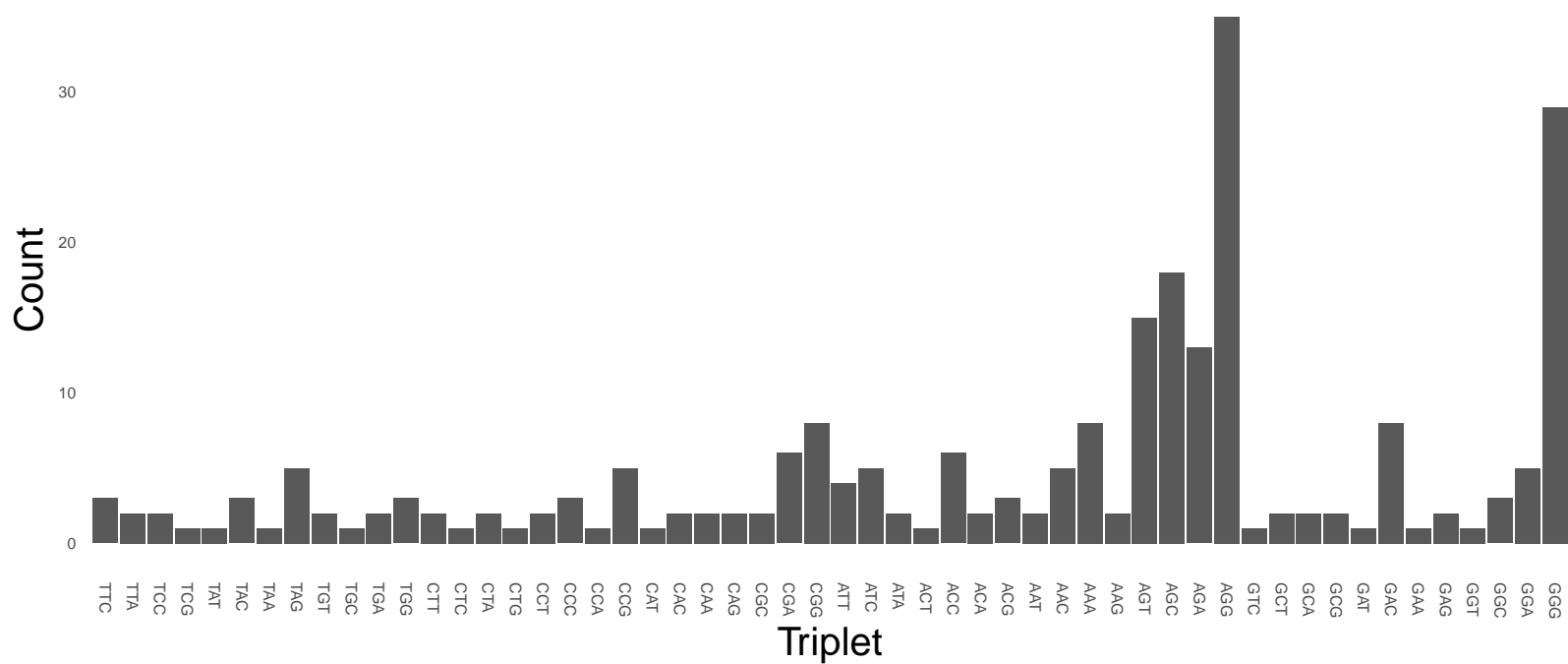
TRBV1*ap01_C302T– Final 3 nucleotides as a triplet



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

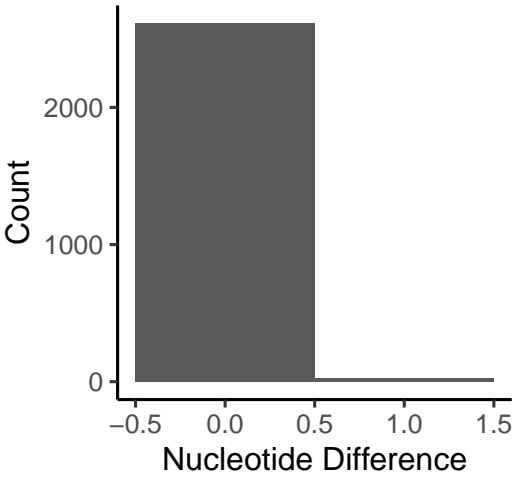


TRBV7–7*ap01_C315T– Final 3 nucleotides as a triplet



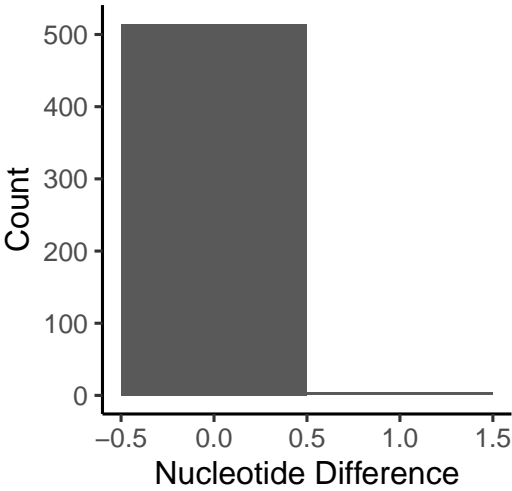
TRBV20–1*ap01

2635 sequences assigned
2613 (99.2%) exact matches, in which:
2593 unique CDR3
13 unique J



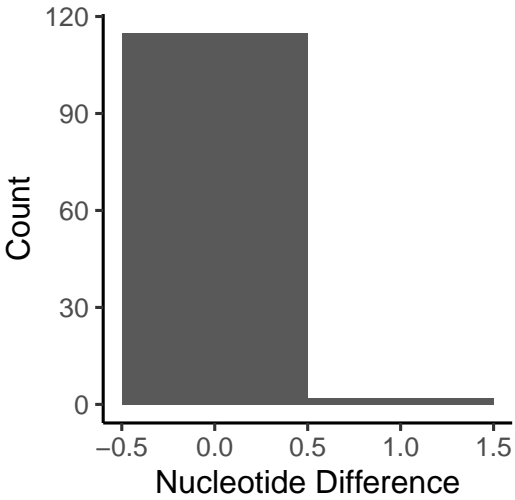
TRBV10–2*ap01

519 sequences assigned
515 (99.2%) exact matches, in which:
506 unique CDR3
13 unique J



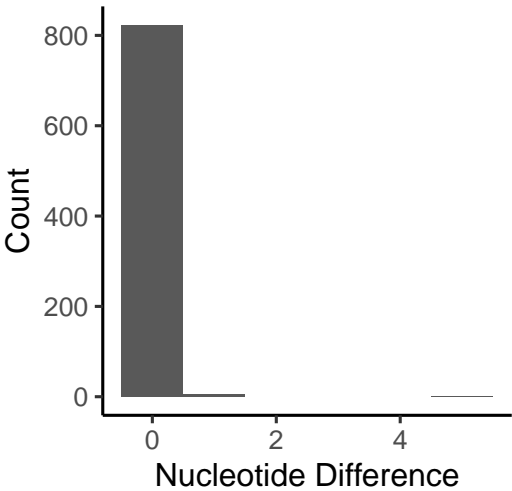
TRBV1*ap01_C302T

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



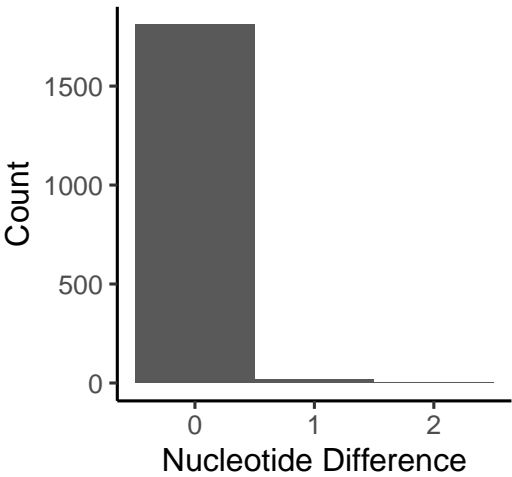
TRBV10–1*ap01

830 sequences assigned
823 (99.2%) exact matches, in which:
810 unique CDR3
13 unique J



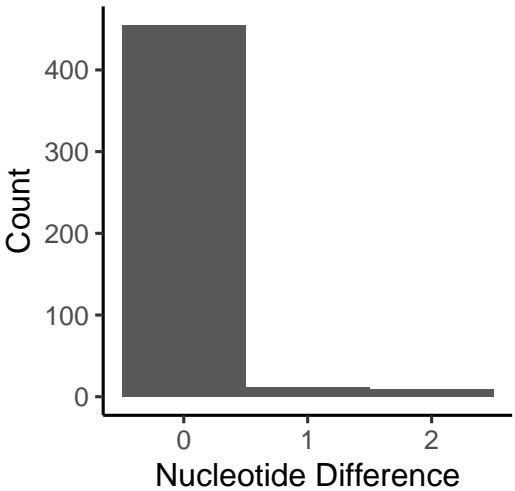
TRBV10–3*ap01

1827 sequences assigned
1810 (99.1%) exact matches, in which:
1794 unique CDR3
13 unique J



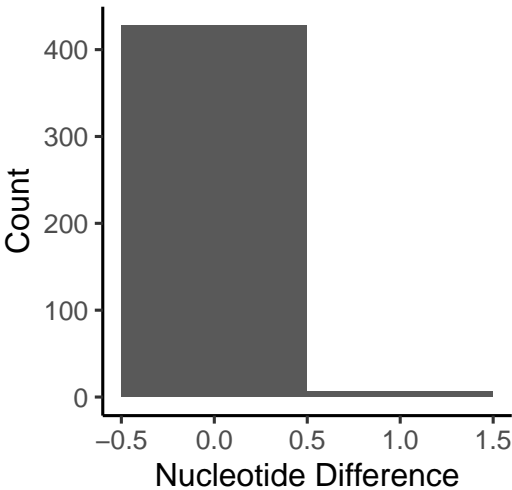
TRBV13*ap01

476 sequences assigned
455 (95.6%) exact matches, in which:
449 unique CDR3
13 unique J



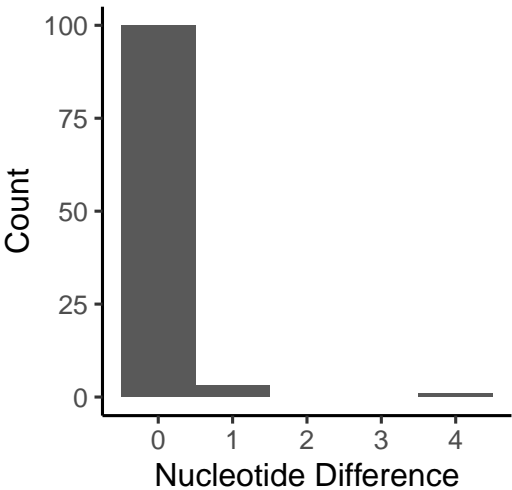
TRBV20–1*ap02

434 sequences assigned
428 (98.6%) exact matches, in which:
424 unique CDR3
13 unique J



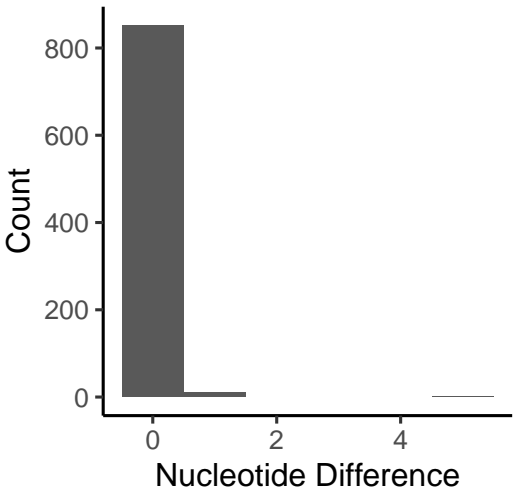
TRBV1*ap01

104 sequences assigned
100 (96.2%) exact matches, in which:
99 unique CDR3
12 unique J



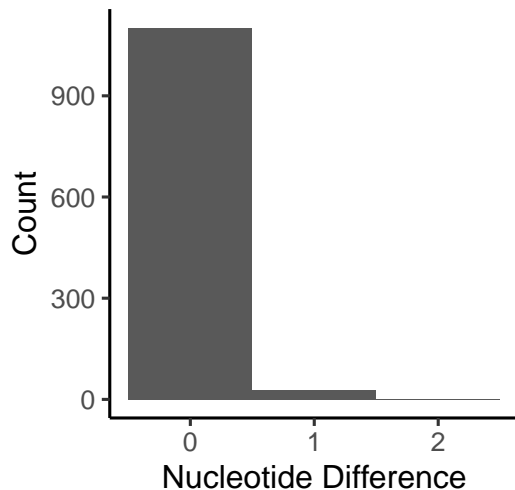
TRBV14*ap01

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



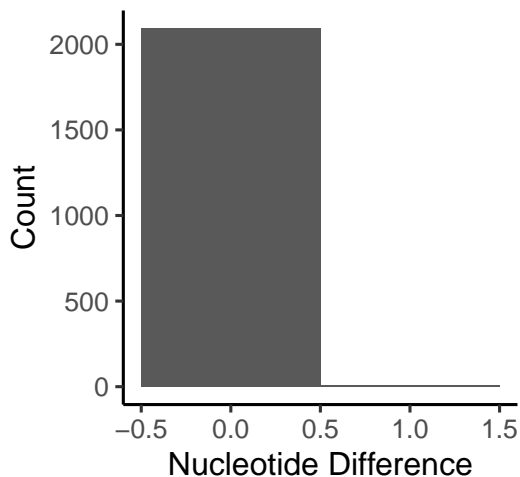
TRBV15*ap02

1132 sequences assigned
1102 (97.3%) exact matches, in which:
1091 unique CDR3
13 unique J



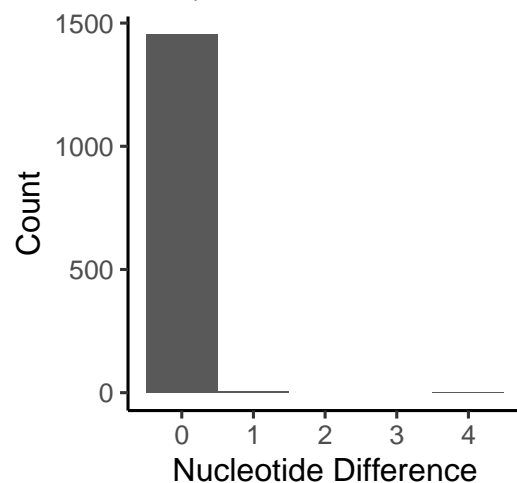
TRBV18*ap01

2101 sequences assigned
2093 (99.6%) exact matches, in which:
2079 unique CDR3
13 unique J



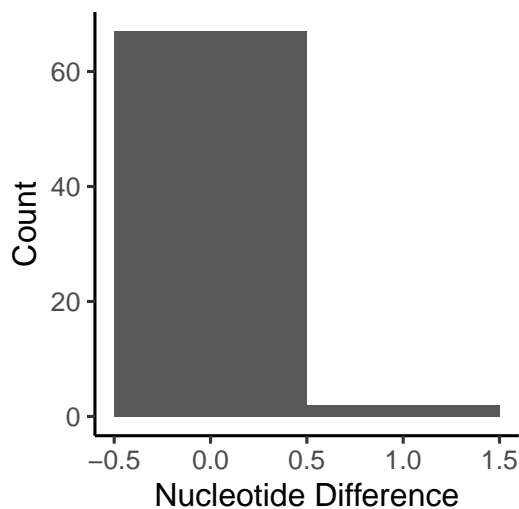
TRBV27*ap01

1461 sequences assigned
1454 (99.5%) exact matches, in which:
1446 unique CDR3
13 unique J



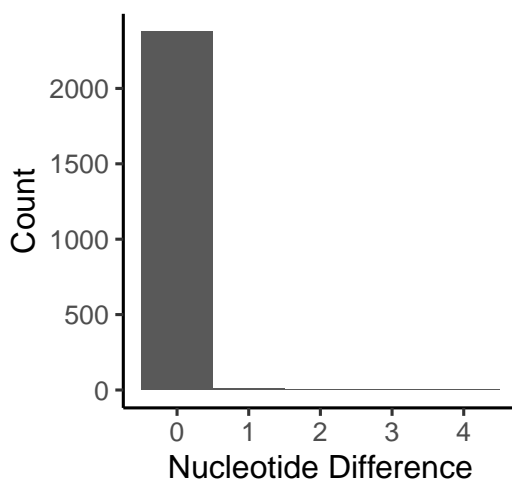
TRBV16*ap01

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



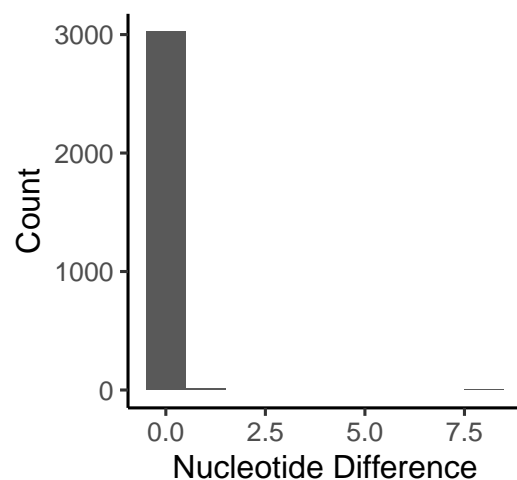
TRBV19*ap01

2391 sequences assigned
2376 (99.4%) exact matches, in which:
2362 unique CDR3
13 unique J



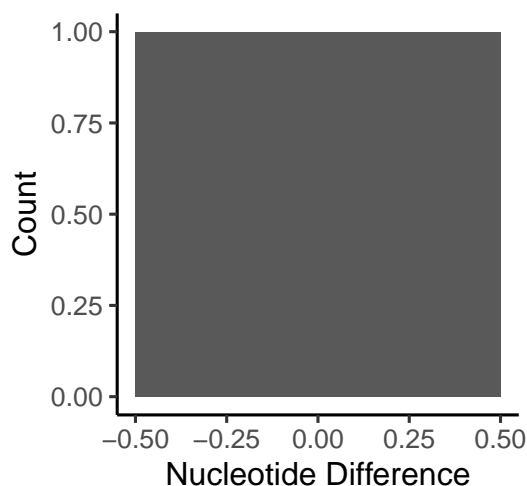
TRBV28*ap01

3035 sequences assigned
3024 (99.6%) exact matches, in which:
3001 unique CDR3
13 unique J



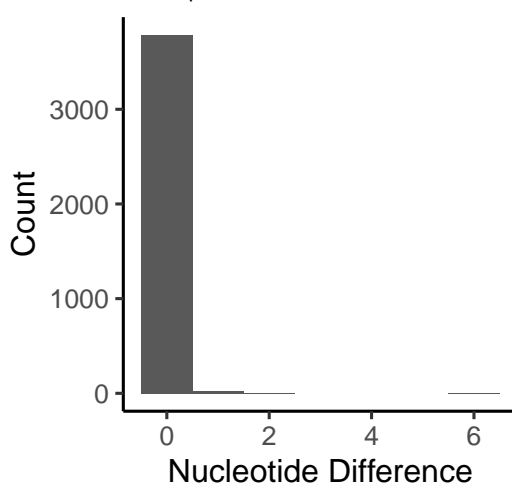
TRBV17*ap01

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



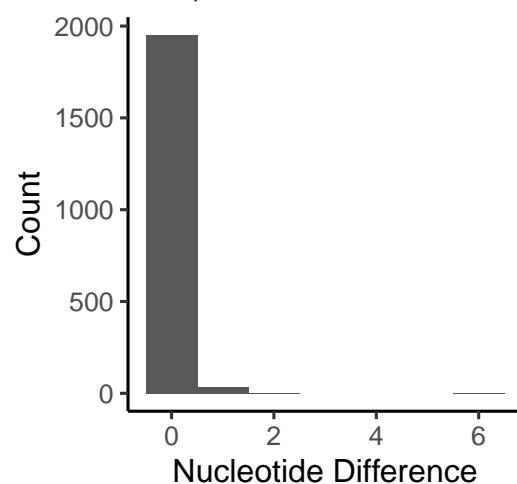
TRBV2*ap01

3810 sequences assigned
3784 (99.3%) exact matches, in which:
3756 unique CDR3
13 unique J



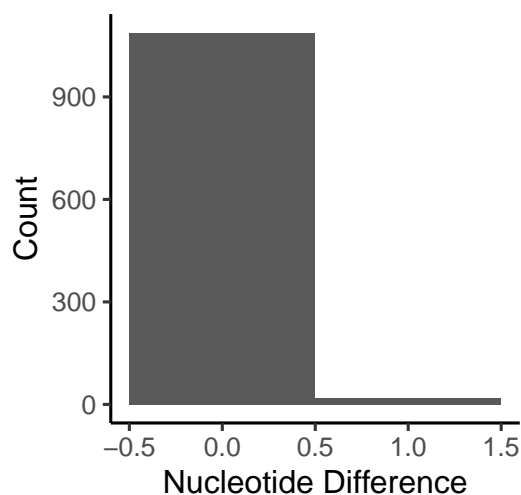
TRBV30*ap01

1987 sequences assigned
1951 (98.2%) exact matches, in which:
1930 unique CDR3
13 unique J



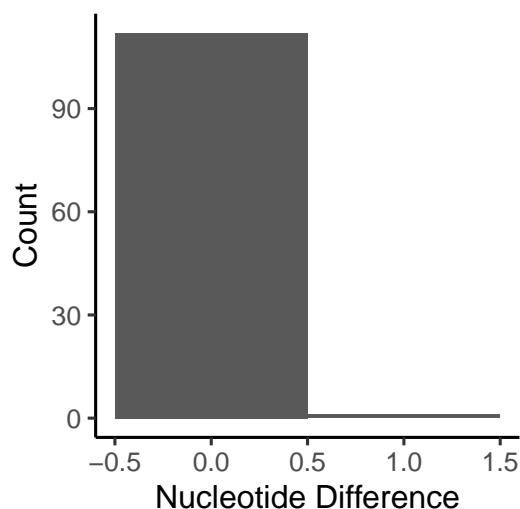
TRBV30*ap02

1106 sequences assigned
1088 (98.4%) exact matches, in which:
1068 unique CDR3
13 unique J



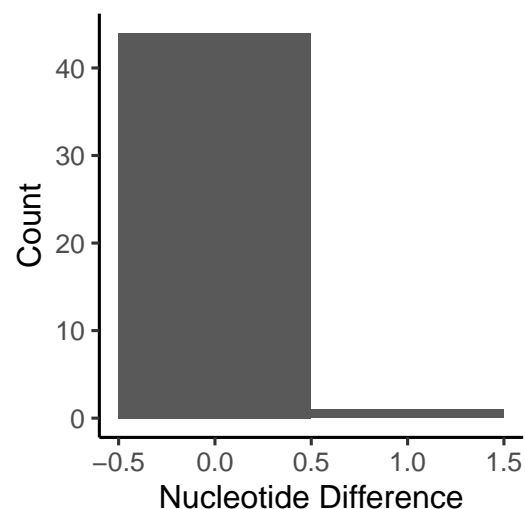
TRBV11-1*ap01

113 sequences assigned
112 (99.1%) exact matches, in which:
110 unique CDR3
12 unique J



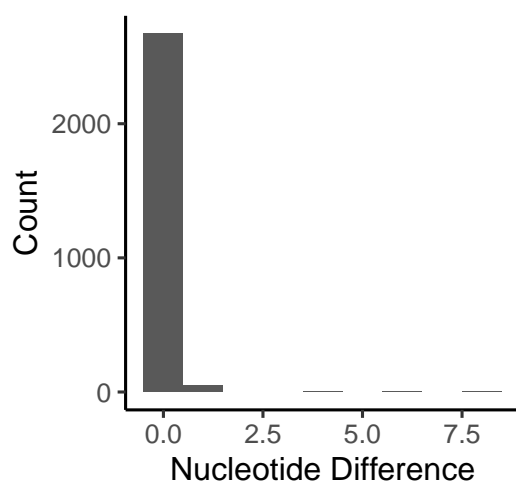
TRBV12-1*ap01

45 sequences assigned
44 (97.8%) exact matches, in which:
44 unique CDR3
12 unique J



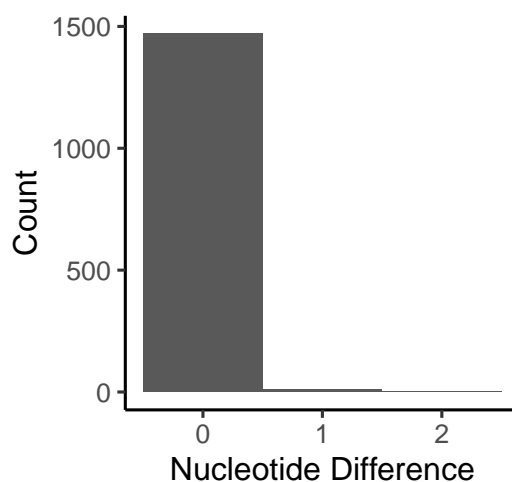
TRBV9*ap01

2722 sequences assigned
2671 (98.1%) exact matches, in which:
2648 unique CDR3
13 unique J



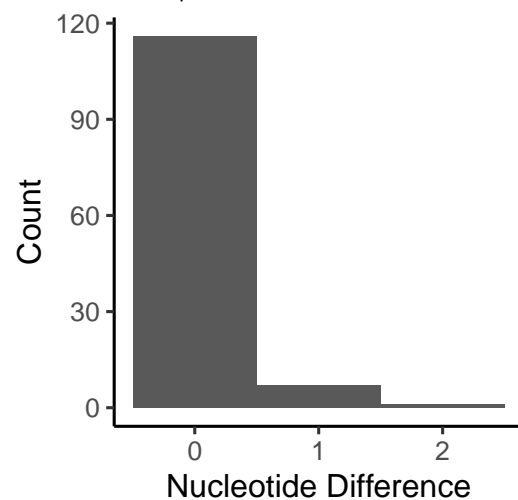
TRBV11-2*ap01

1481 sequences assigned
1470 (99.3%) exact matches, in which:
1453 unique CDR3
13 unique J



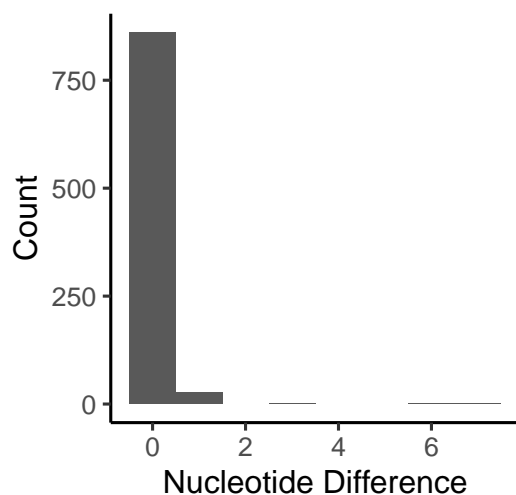
TRBV12-2*ap01

124 sequences assigned
116 (93.5%) exact matches, in which:
115 unique CDR3
13 unique J



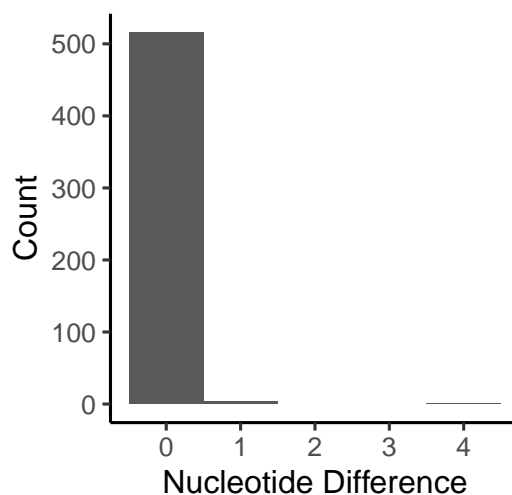
TRBV21-1*ap01

890 sequences assigned
861 (96.7%) exact matches, in which:
854 unique CDR3
13 unique J



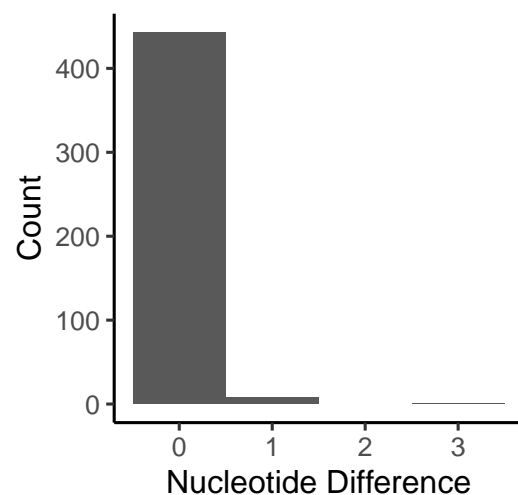
TRBV11-3*ap01

521 sequences assigned
516 (99%) exact matches, in which:
512 unique CDR3
13 unique J



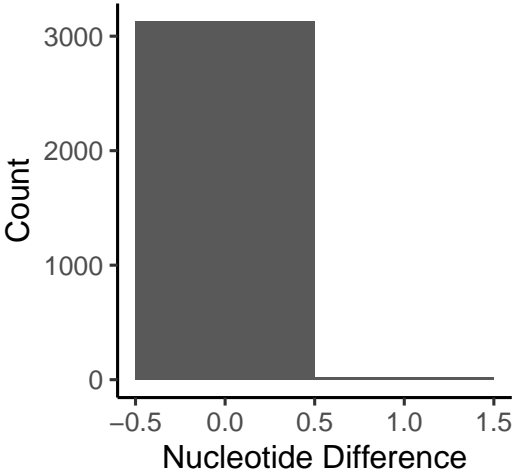
TRBV12-5*ap01

452 sequences assigned
443 (98%) exact matches, in which:
440 unique CDR3
13 unique J



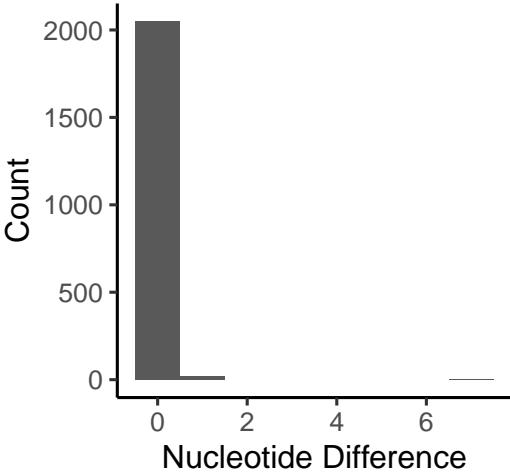
TRBV12-34*ap01

3155 sequences assigned
3129 (99.2%) exact matches, in which:
3105 unique CDR3
13 unique J



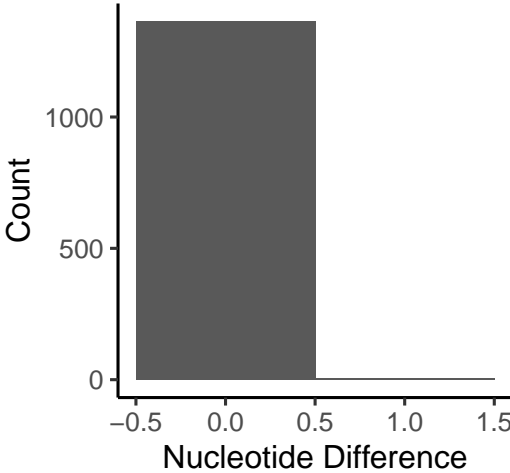
TRBV4-1*ap01

2072 sequences assigned
2049 (98.9%) exact matches, in which:
2024 unique CDR3
13 unique J



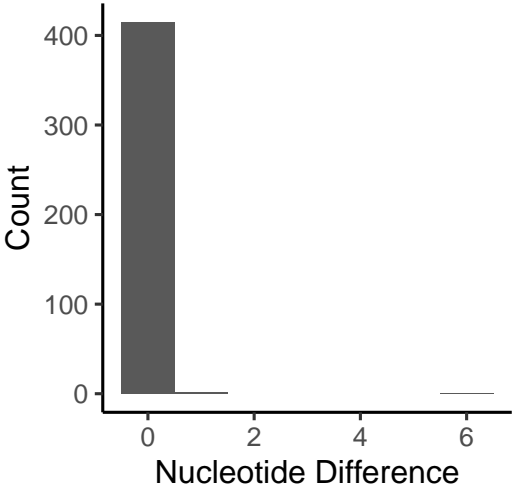
TRBV4-3*ap01

1368 sequences assigned
1364 (99.7%) exact matches, in which:
1346 unique CDR3
12 unique J



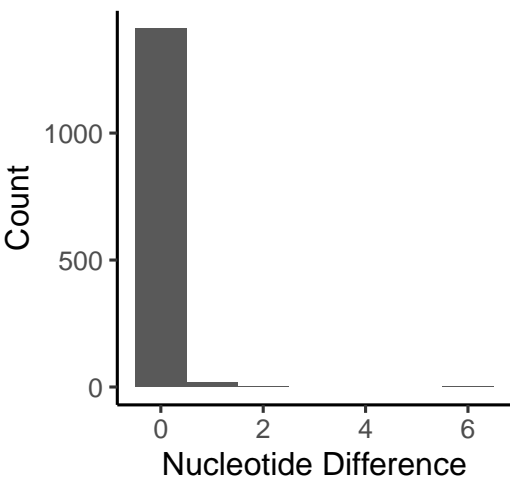
TRBV23-1*ap01

418 sequences assigned
415 (99.3%) exact matches, in which:
414 unique CDR3
13 unique J



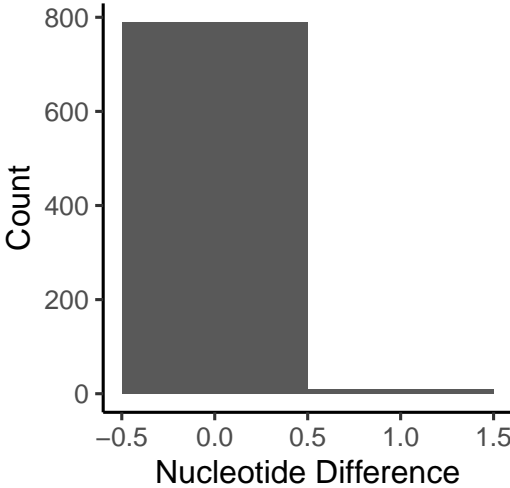
TRBV24-1*ap01

1432 sequences assigned
1411 (98.5%) exact matches, in which:
1395 unique CDR3
13 unique J



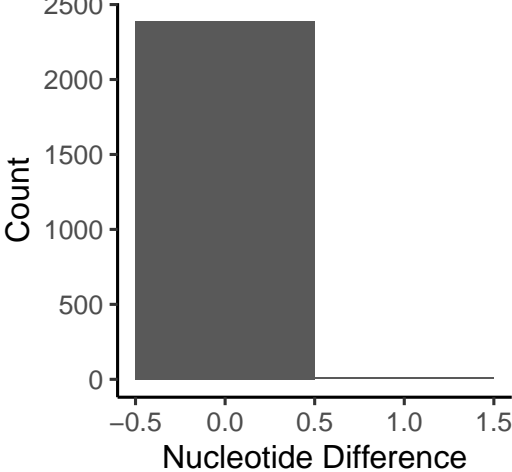
TRBV25-1*ap01

799 sequences assigned
790 (98.9%) exact matches, in which:
779 unique CDR3
13 unique J



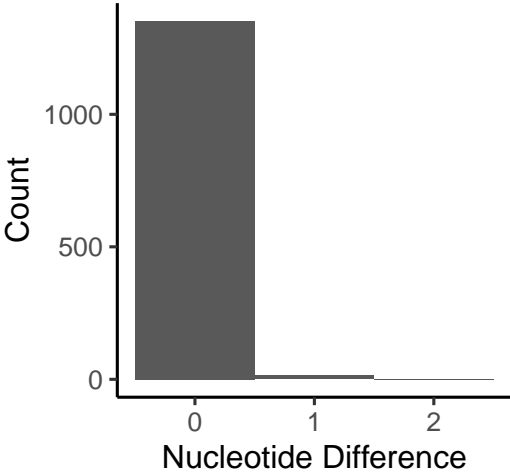
TRBV3-12*ap01

2402 sequences assigned
2390 (99.5%) exact matches, in which:
2382 unique CDR3
13 unique J



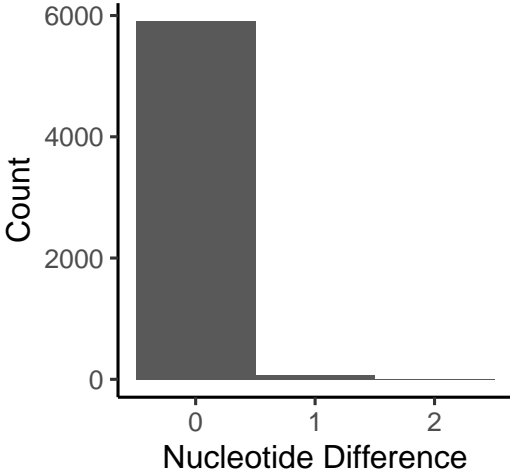
TRBV4-2*ap01

1367 sequences assigned
1352 (98.9%) exact matches, in which:
1341 unique CDR3
13 unique J



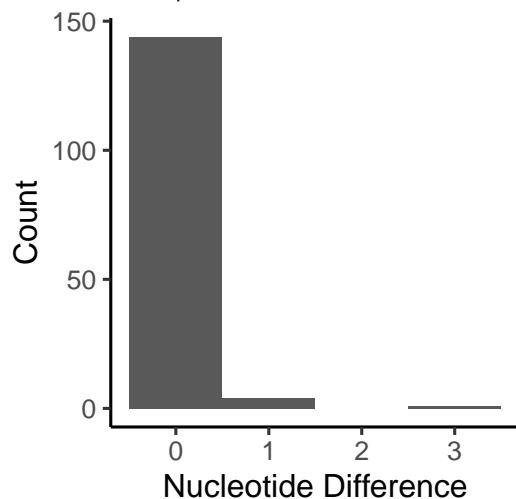
TRBV5-1*ap01

5978 sequences assigned
5909 (98.8%) exact matches, in which:
5870 unique CDR3
13 unique J



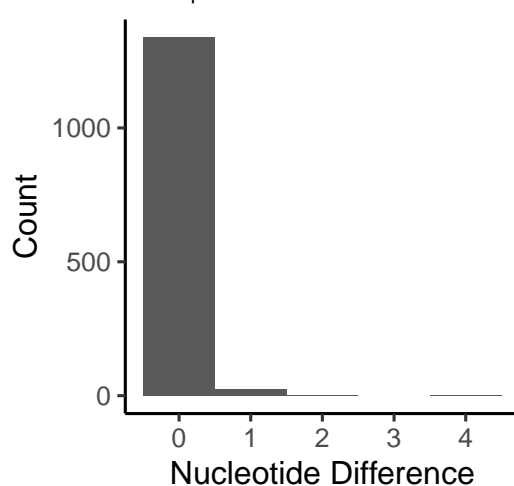
TRBV5-3*ap01

149 sequences assigned
144 (96.6%) exact matches, in which:
143 unique CDR3
13 unique J



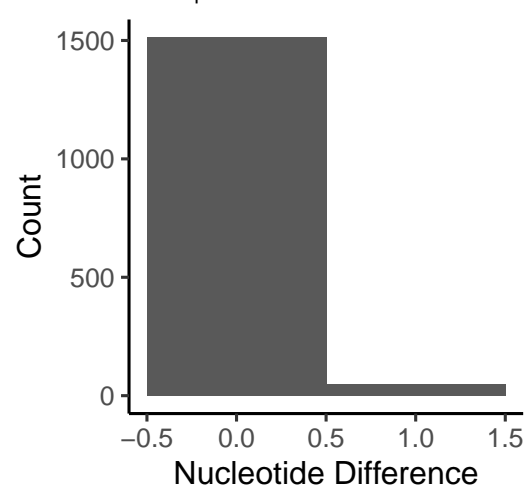
TRBV5-6*ap01

1364 sequences assigned
1338 (98.1%) exact matches, in which:
1329 unique CDR3
13 unique J



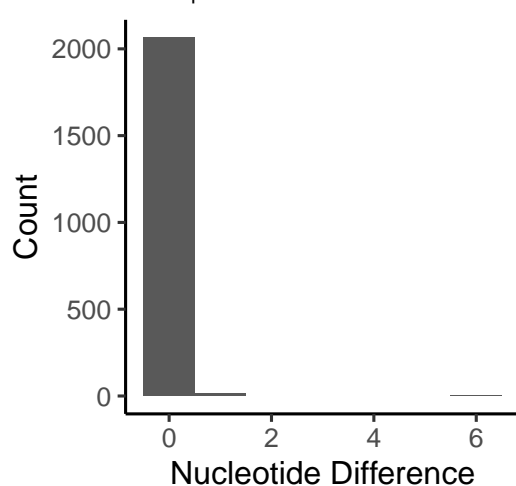
TRBV6-1*ap01

1560 sequences assigned
1513 (97%) exact matches, in which:
1495 unique CDR3
13 unique J



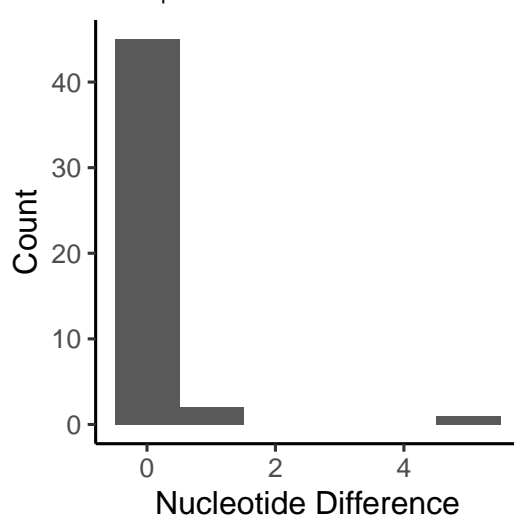
TRBV5-4*ap01

2078 sequences assigned
2064 (99.3%) exact matches, in which:
2048 unique CDR3
13 unique J



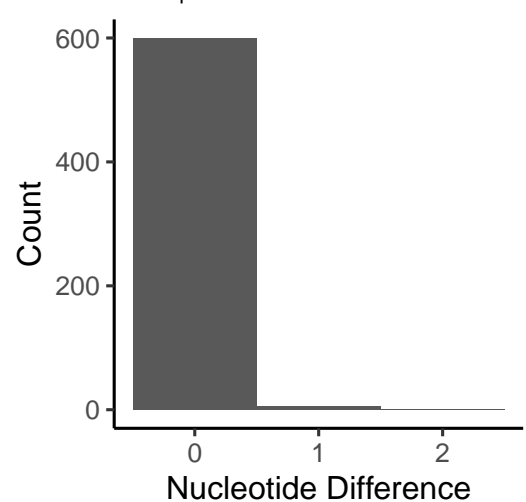
TRBV5-7*ap01

48 sequences assigned
45 (93.8%) exact matches, in which:
45 unique CDR3
13 unique J



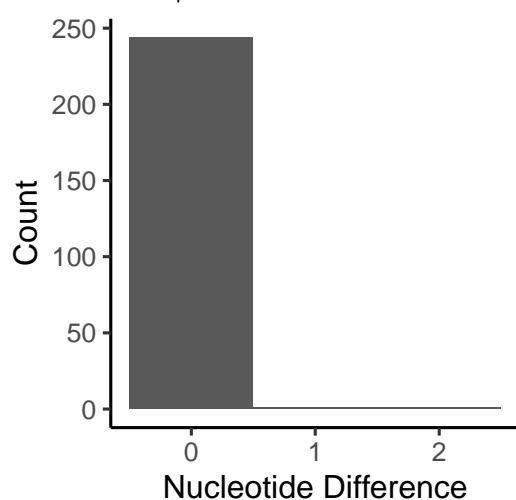
TRBV6-4*ap01

607 sequences assigned
600 (98.8%) exact matches, in which:
590 unique CDR3
13 unique J



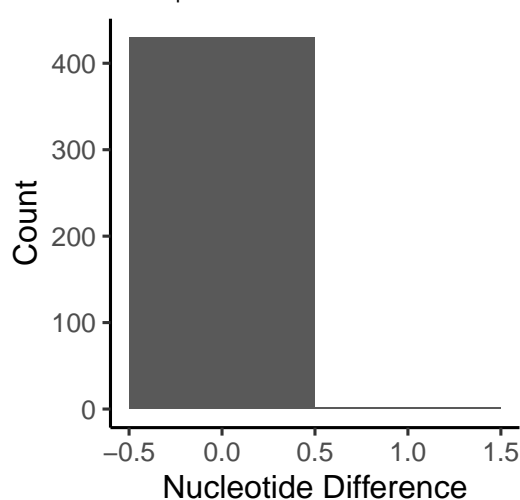
TRBV5-5*ap01

246 sequences assigned
244 (99.2%) exact matches, in which:
242 unique CDR3
13 unique J



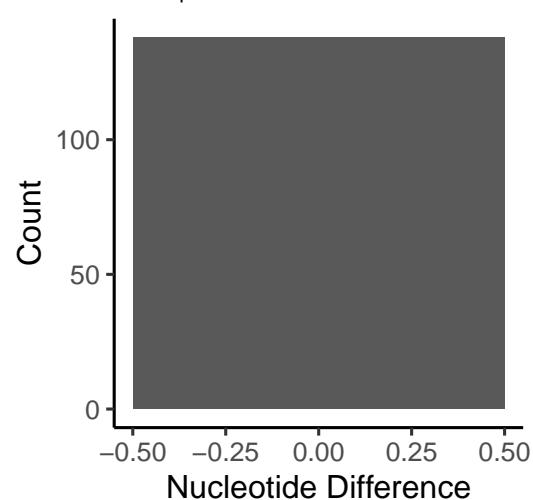
TRBV5-8*ap01

432 sequences assigned
430 (99.5%) exact matches, in which:
427 unique CDR3
13 unique J



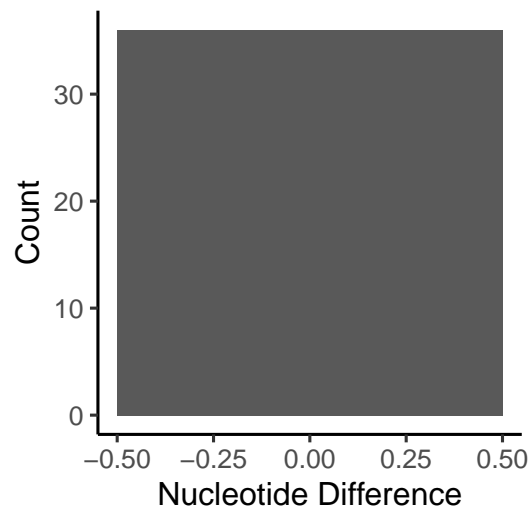
TRBV6-7*ap01

138 sequences assigned
138 (100%) exact matches, in which:
136 unique CDR3
12 unique J



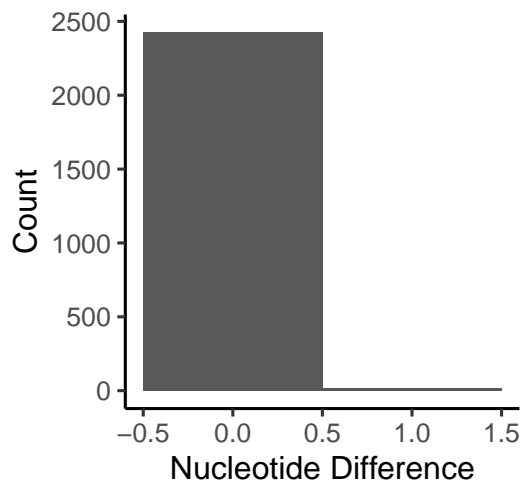
TRBV6-8*ap01

36 sequences assigned
36 (100%) exact matches, in which:
35 unique CDR3
11 unique J



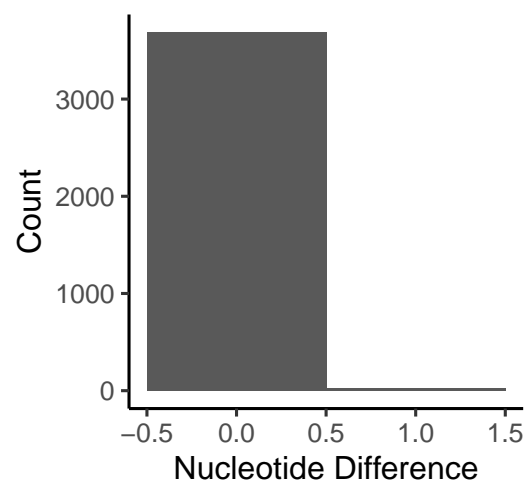
TRBV6-56*ap01

2444 sequences assigned
2425 (99.2%) exact matches, in which:
2394 unique CDR3
13 unique J



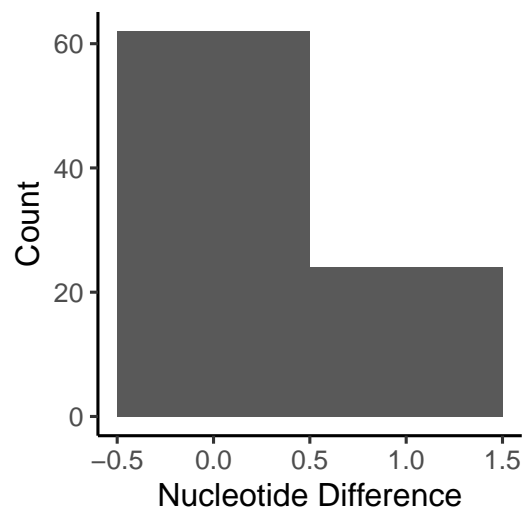
TRBV7-2*ap01

3707 sequences assigned
3686 (99.4%) exact matches, in which:
3652 unique CDR3
13 unique J



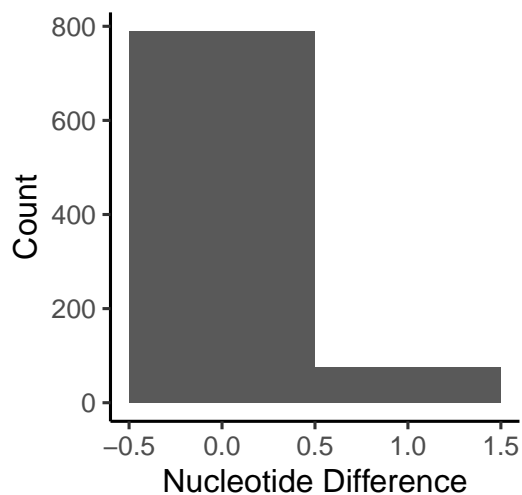
TRBV6-9*ap01

86 sequences assigned
62 (72.1%) exact matches, in which:
62 unique CDR3
13 unique J



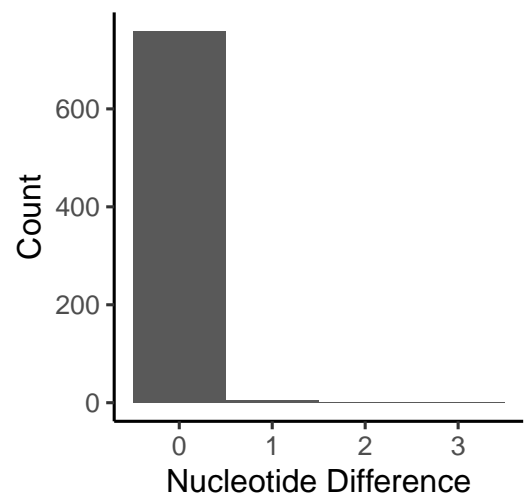
TRBV6-56*ap02

865 sequences assigned
790 (91.3%) exact matches, in which:
781 unique CDR3
13 unique J



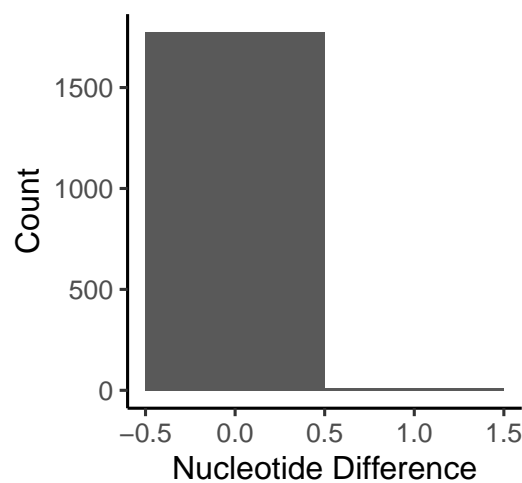
TRBV7-3*ap01

767 sequences assigned
759 (99%) exact matches, in which:
751 unique CDR3
13 unique J



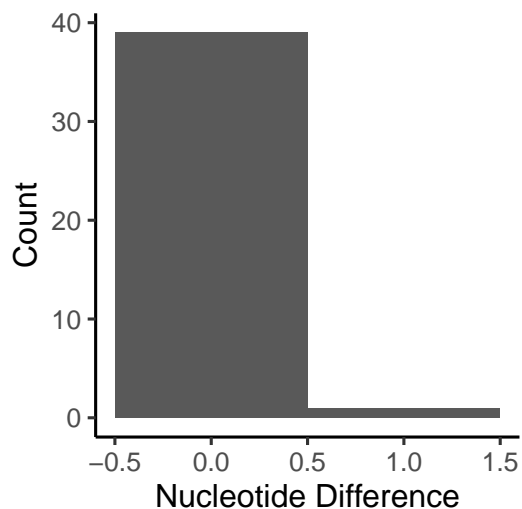
TRBV6-23*ap01

1786 sequences assigned
1775 (99.4%) exact matches, in which:
1759 unique CDR3
13 unique J



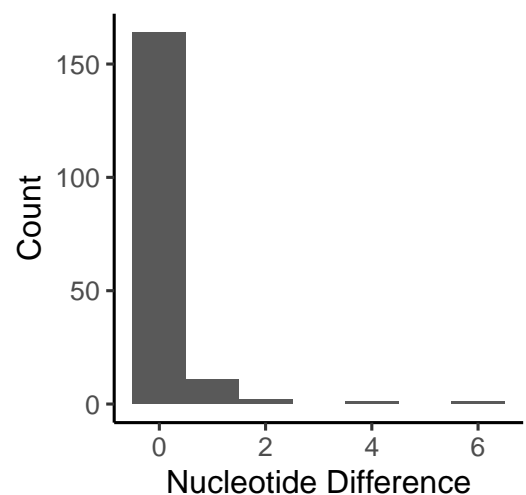
TRBV7-1*ap01_G291C_T

40 sequences assigned
39 (97.5%) exact matches, in which:
39 unique CDR3
12 unique J



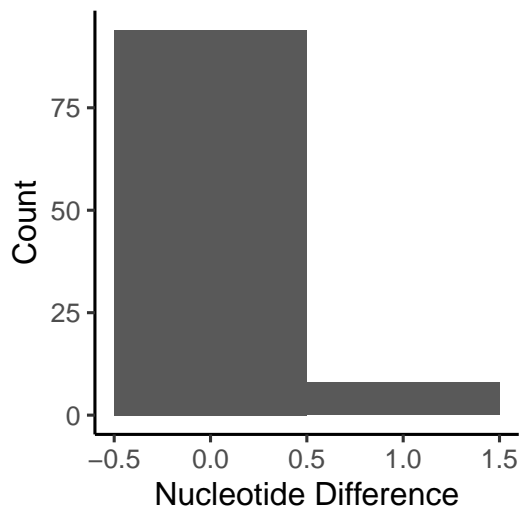
TRBV7-3*ap02

179 sequences assigned
164 (91.6%) exact matches, in which:
164 unique CDR3
12 unique J



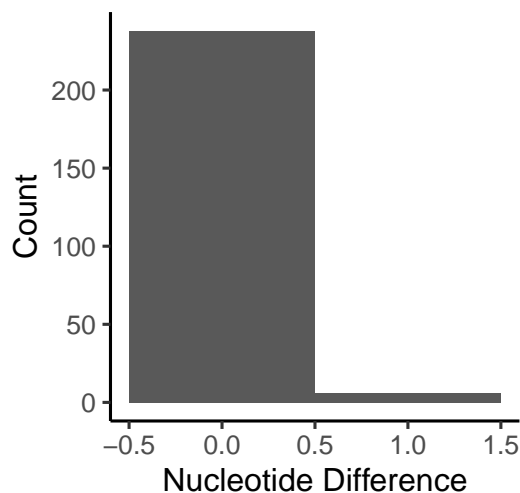
TRBV7-4*ap01

102 sequences assigned
94 (92.2%) exact matches, in which:
94 unique CDR3
13 unique J



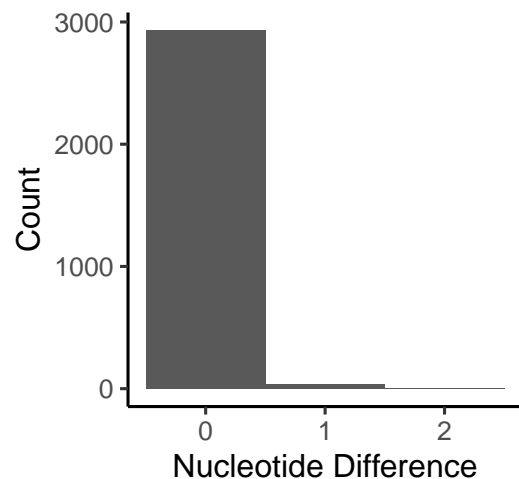
TRBV7-7*ap01_C315T

244 sequences assigned
238 (97.5%) exact matches, in which:
231 unique CDR3
13 unique J



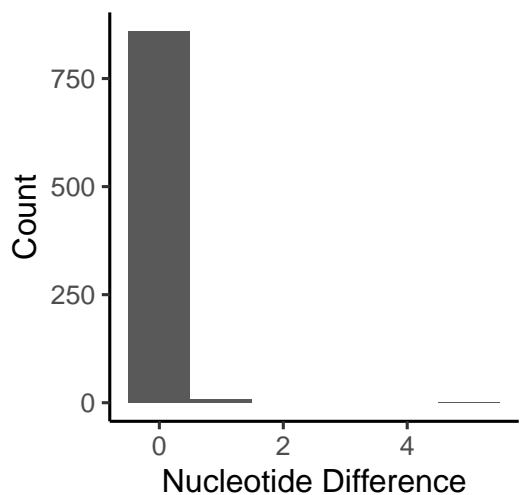
TRBV7-9*ap01

2970 sequences assigned
2931 (98.7%) exact matches, in which:
2904 unique CDR3
13 unique J



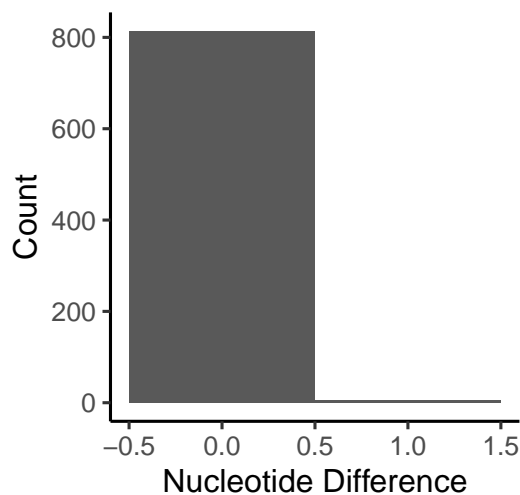
TRBV7-6*ap01

868 sequences assigned
860 (99.1%) exact matches, in which:
848 unique CDR3
13 unique J



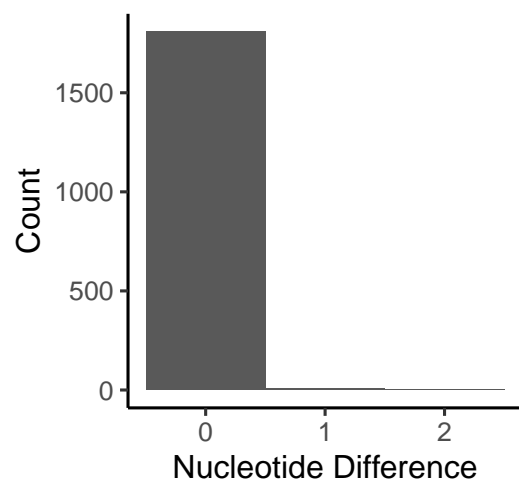
TRBV7-8*ap01

819 sequences assigned
814 (99.4%) exact matches, in which:
808 unique CDR3
13 unique J



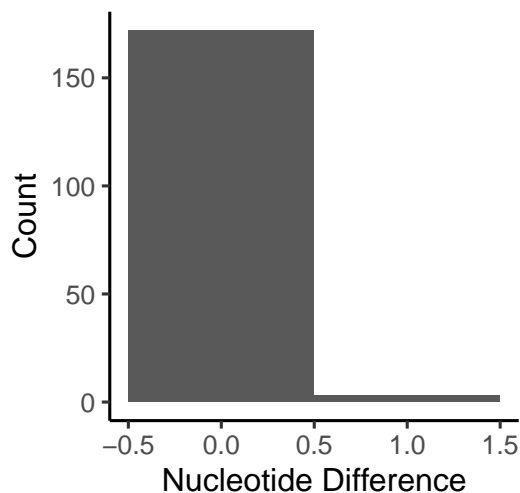
TRBV29-1*ap01

1818 sequences assigned
1808 (99.4%) exact matches, in which:
1772 unique CDR3
13 unique J



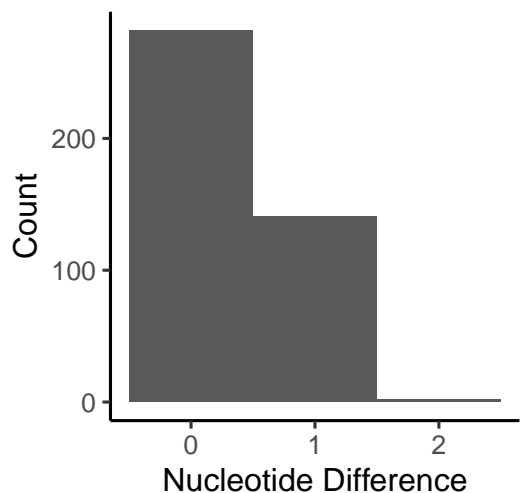
TRBV7-7*ap01

175 sequences assigned
172 (98.3%) exact matches, in which:
172 unique CDR3
11 unique J



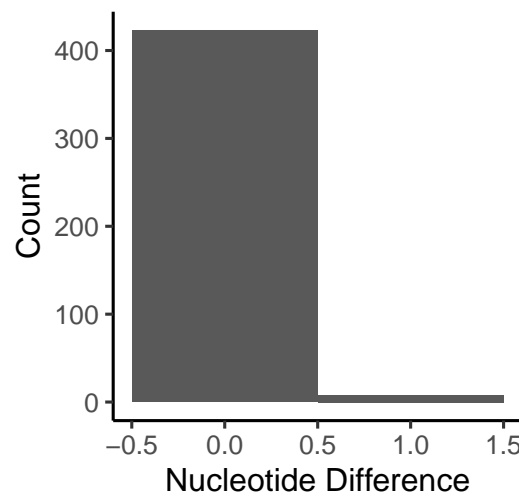
TRBV7-8*ap03

425 sequences assigned
282 (66.4%) exact matches, in which:
279 unique CDR3
13 unique J

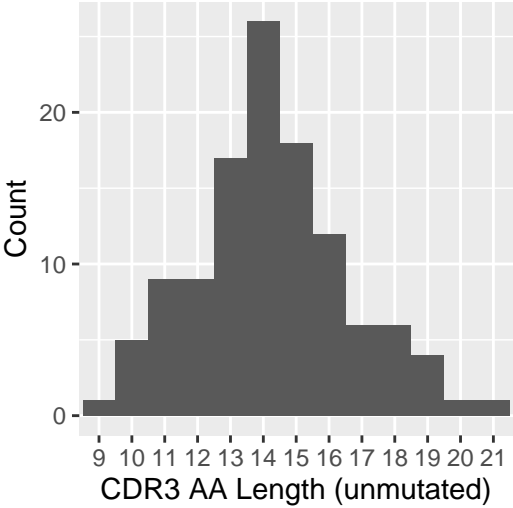


TRBV29-1*ap02

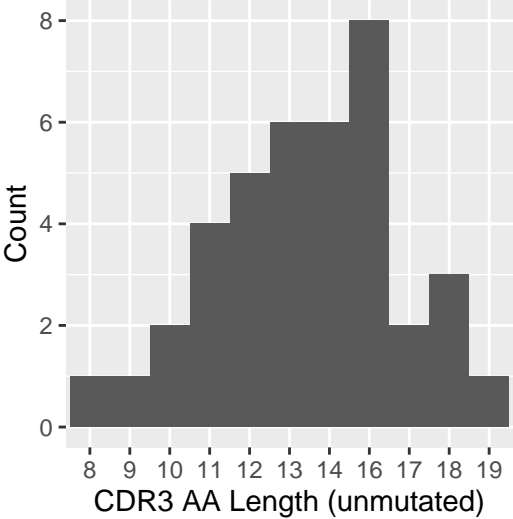
431 sequences assigned
423 (98.1%) exact matches, in which:
408 unique CDR3
13 unique J



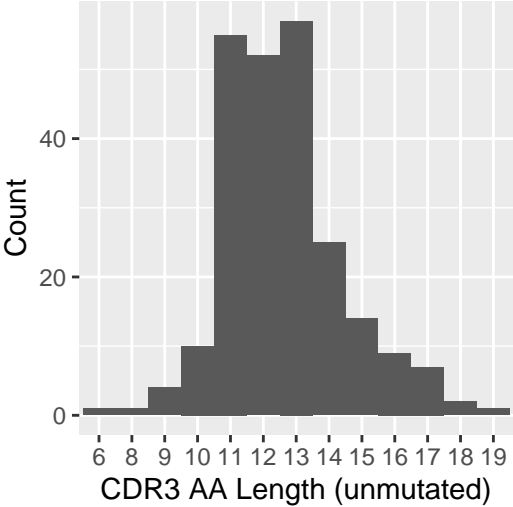
TRBV1*ap01_C302T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





Warning – no inferred sequences found.

Warning – no inferred sequences found.