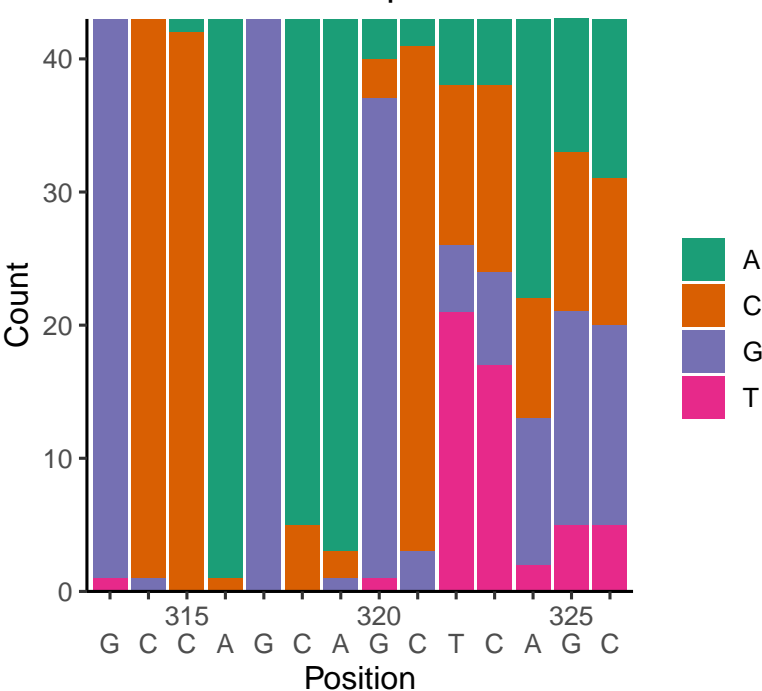
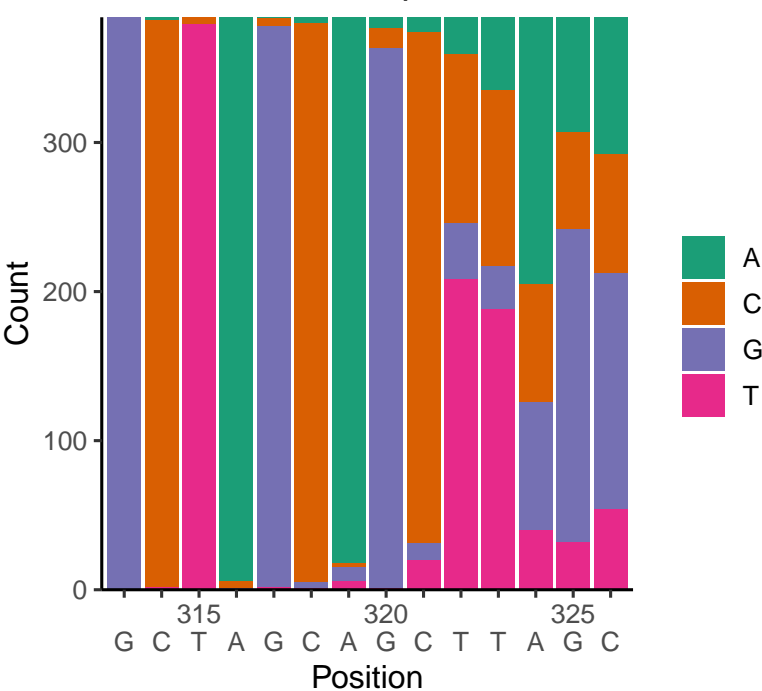


Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-7*ap01_C315T



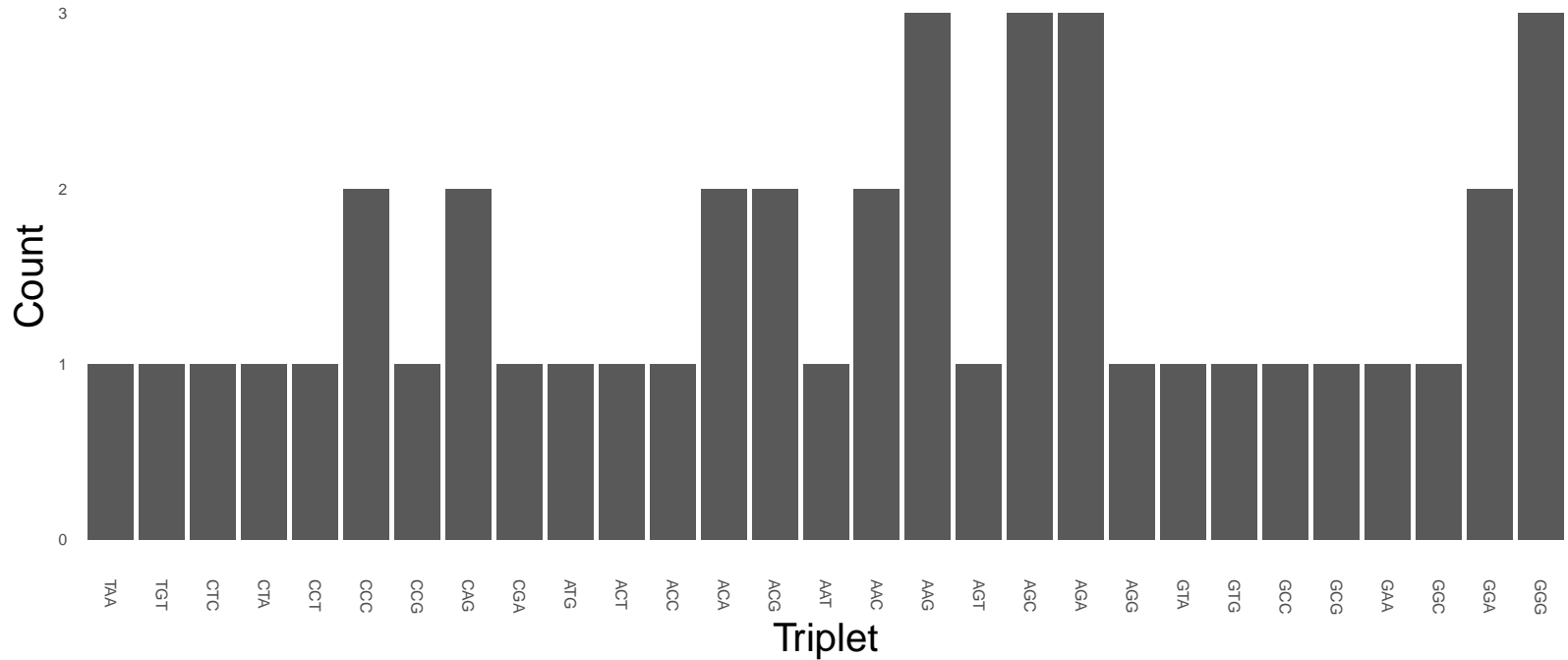
Gene TRBV7-1*ap01_G291C_T296C



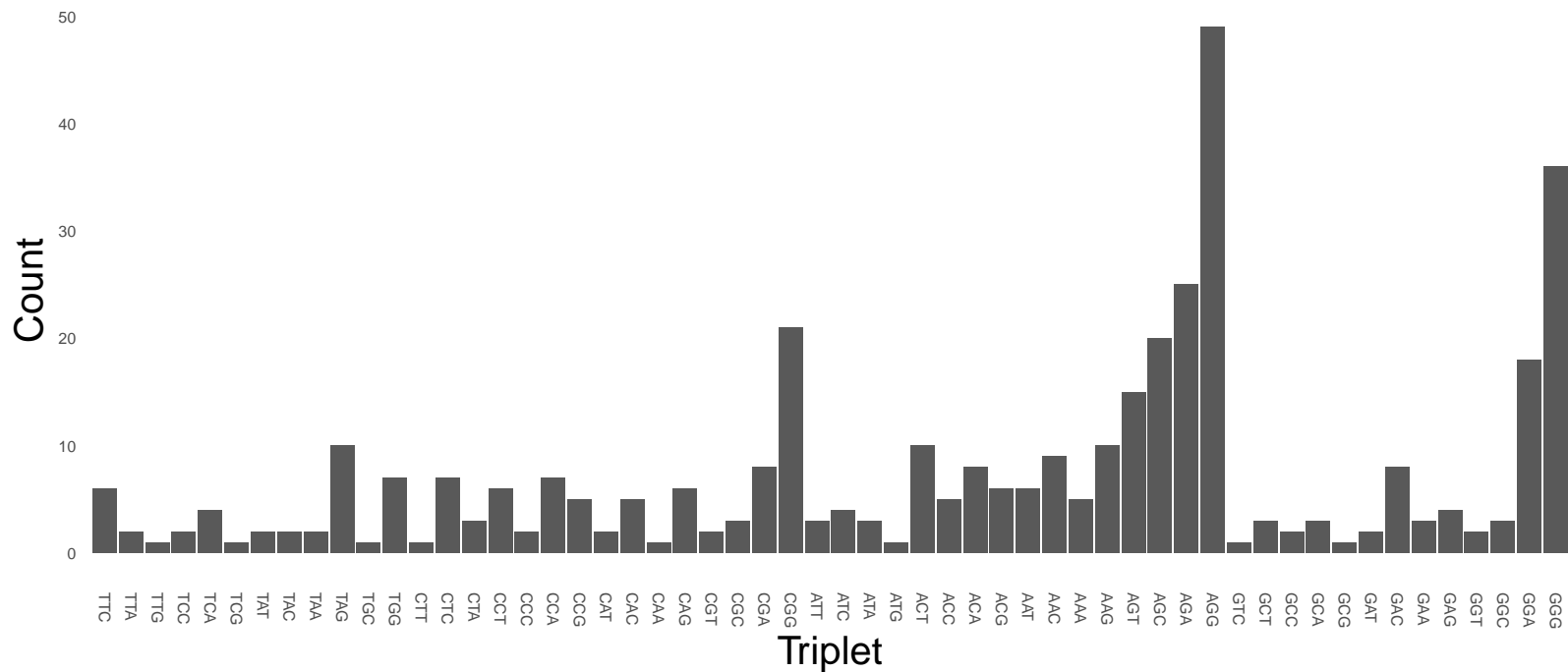
Gene TRBV7-7*ap01_C315T



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

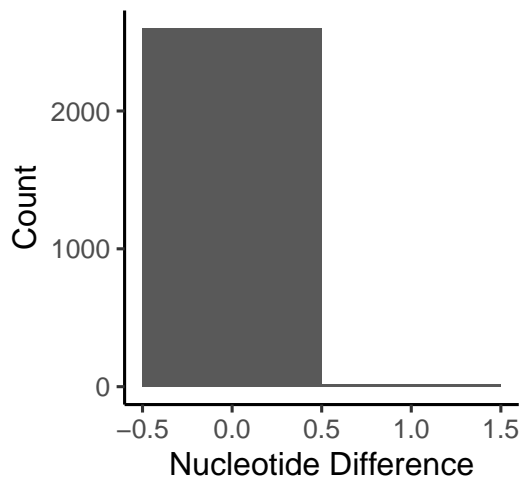


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



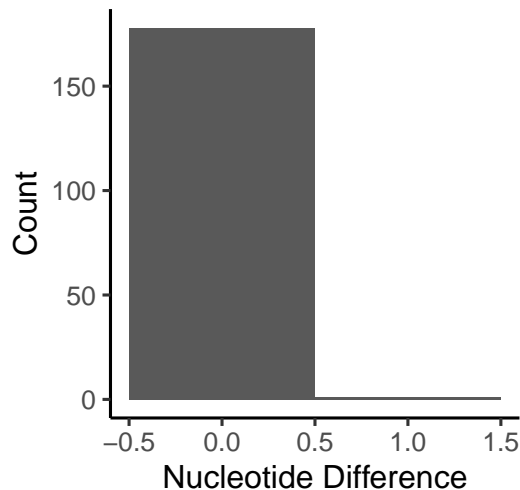
TRBV20-1*ap01

2617 sequences assigned
2599 (99.3%) exact matches, in which:
2596 unique CDR3
13 unique J



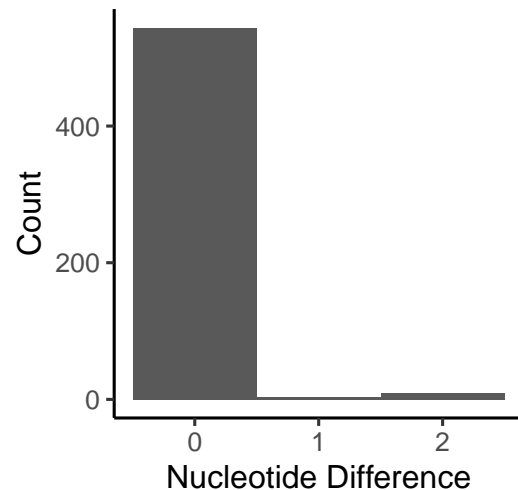
TRBV10-2*ap01

179 sequences assigned
178 (99.4%) exact matches, in which:
177 unique CDR3
13 unique J



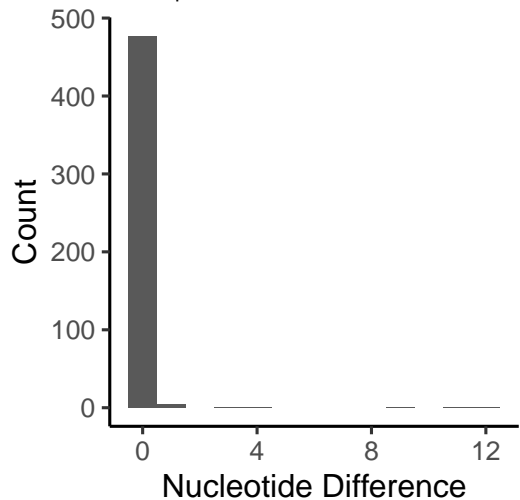
TRBV13*ap01

557 sequences assigned
544 (97.7%) exact matches, in which:
538 unique CDR3
13 unique J



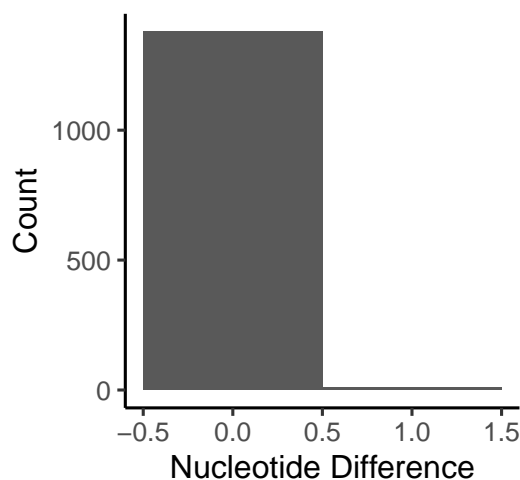
TRBV10-1*ap01

487 sequences assigned
477 (97.9%) exact matches, in which:
476 unique CDR3
13 unique J



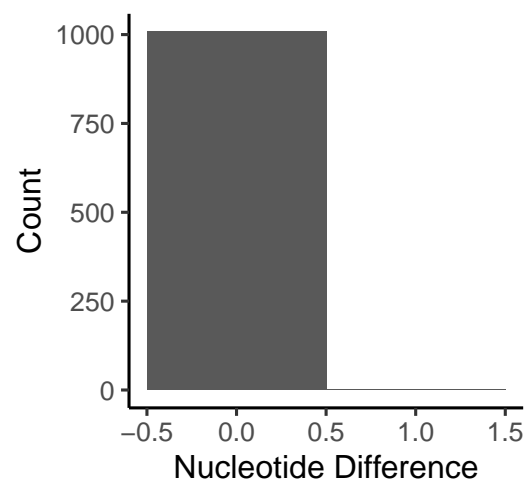
TRBV10-3*ap01

1390 sequences assigned
1379 (99.2%) exact matches, in which:
1371 unique CDR3
13 unique J



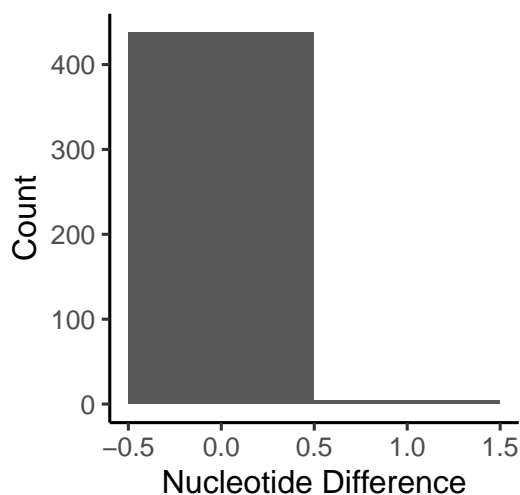
TRBV14*ap01

1009 sequences assigned
1008 (99.9%) exact matches, in which:
1004 unique CDR3
13 unique J



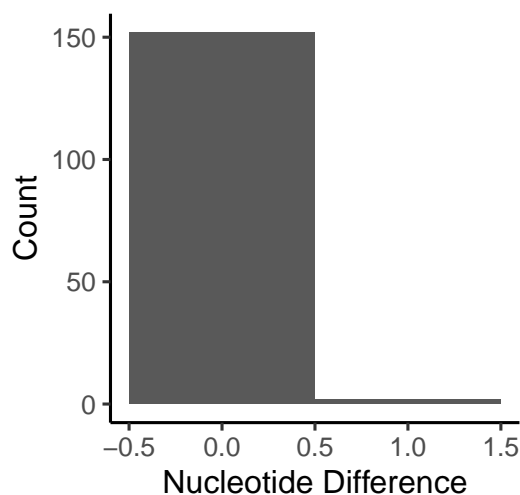
TRBV20-1*ap02

442 sequences assigned
438 (99.1%) exact matches, in which:
438 unique CDR3
13 unique J



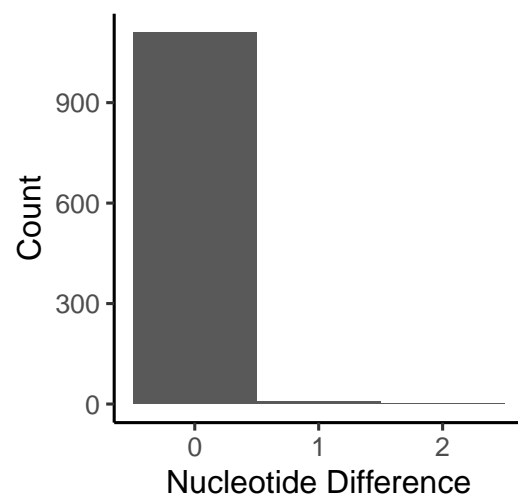
TRBV1*ap01

154 sequences assigned
152 (98.7%) exact matches, in which:
152 unique CDR3
12 unique J



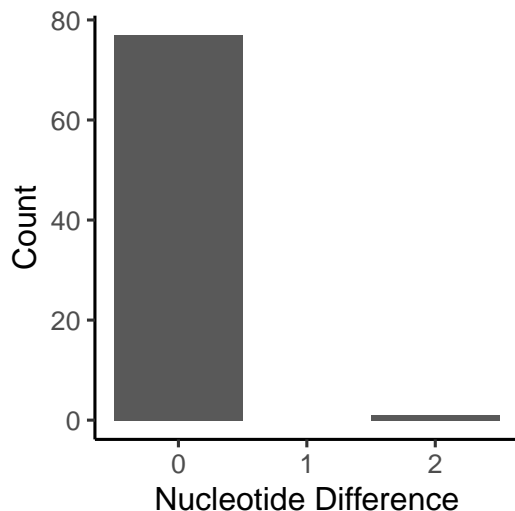
TRBV15*ap02

1119 sequences assigned
1110 (99.2%) exact matches, in which:
1103 unique CDR3
13 unique J



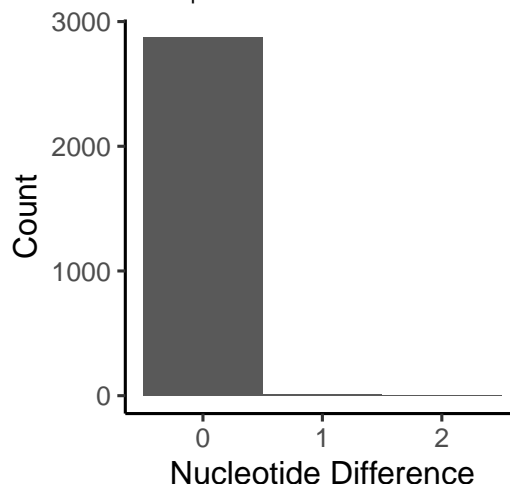
TRBV16*ap01

78 sequences assigned
77 (98.7%) exact matches, in which:
76 unique CDR3
13 unique J



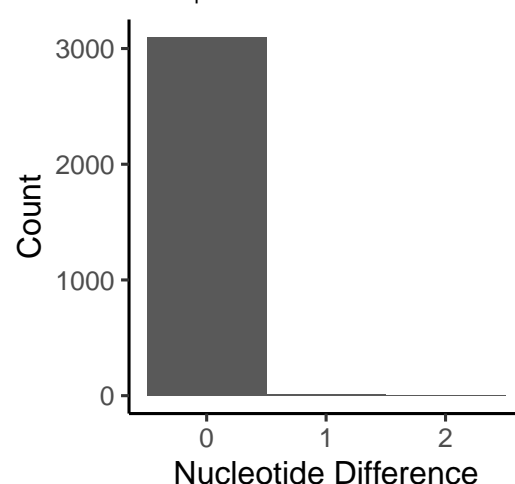
TRBV2*ap01

2885 sequences assigned
2873 (99.6%) exact matches, in which:
2862 unique CDR3
13 unique J



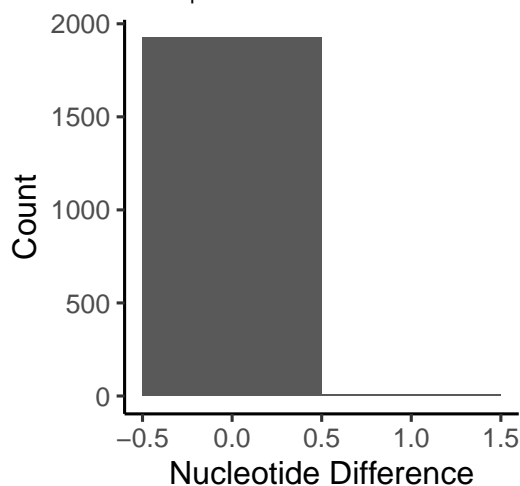
TRBV28*ap01

3111 sequences assigned
3096 (99.5%) exact matches, in which:
3080 unique CDR3
13 unique J



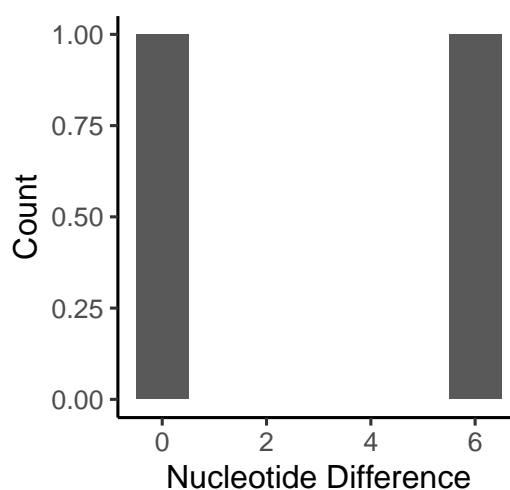
TRBV18*ap01

1935 sequences assigned
1925 (99.5%) exact matches, in which:
1915 unique CDR3
13 unique J



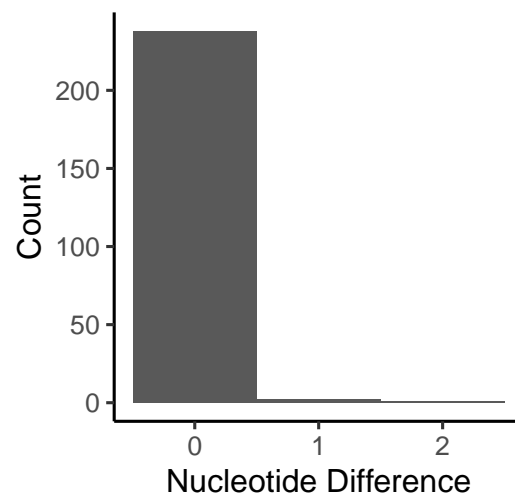
TRBV26*ap01

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



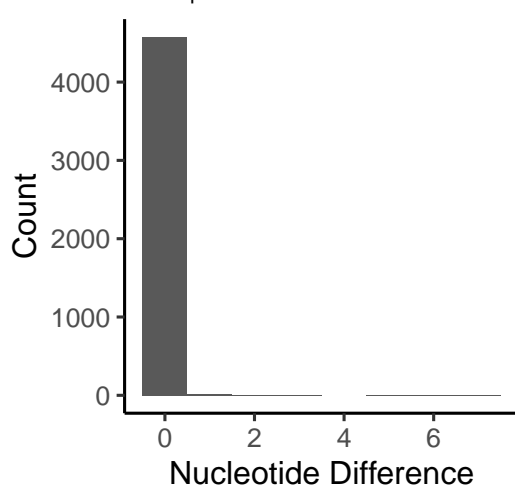
TRBV30*ap02

241 sequences assigned
238 (98.8%) exact matches, in which:
237 unique CDR3
13 unique J



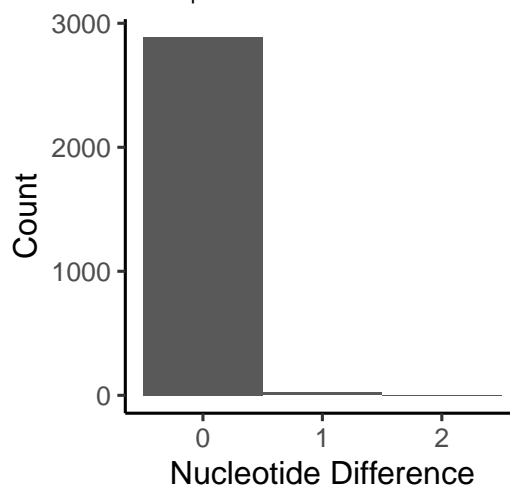
TRBV19*ap01

4601 sequences assigned
4575 (99.4%) exact matches, in which:
4563 unique CDR3
13 unique J



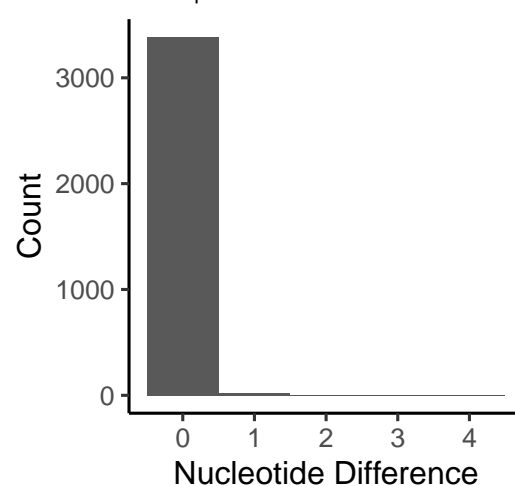
TRBV27*ap01

2916 sequences assigned
2889 (99.1%) exact matches, in which:
2869 unique CDR3
13 unique J



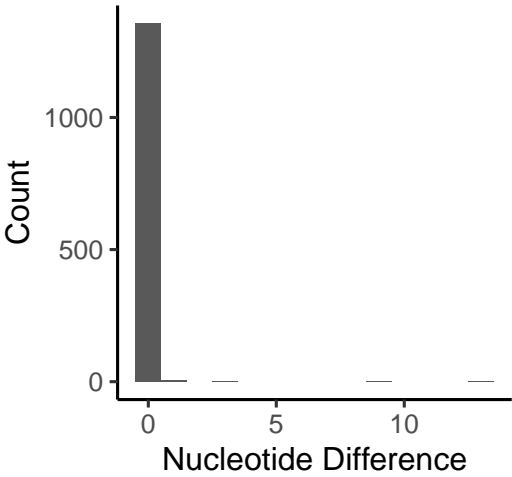
TRBV9*ap01

3409 sequences assigned
3385 (99.3%) exact matches, in which:
3351 unique CDR3
13 unique J



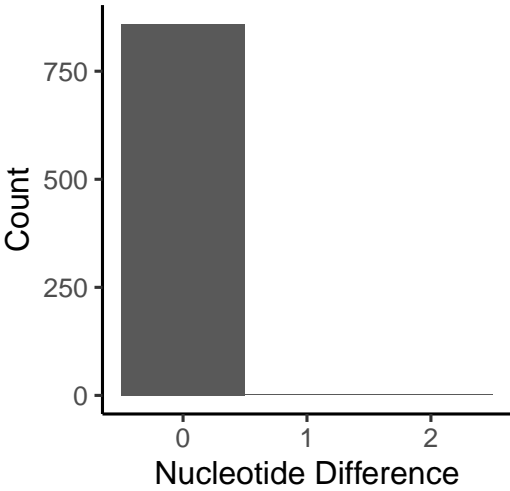
TRBV21-1*ap01

1364 sequences assigned
1356 (99.4%) exact matches, in which:
1354 unique CDR3
13 unique J



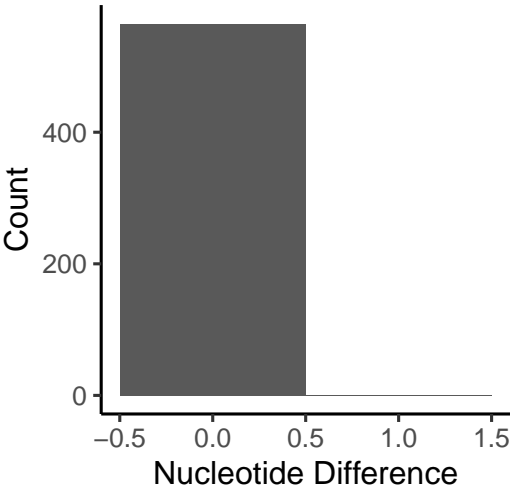
TRBV11-3*ap01

864 sequences assigned
860 (99.5%) exact matches, in which:
855 unique CDR3
13 unique J



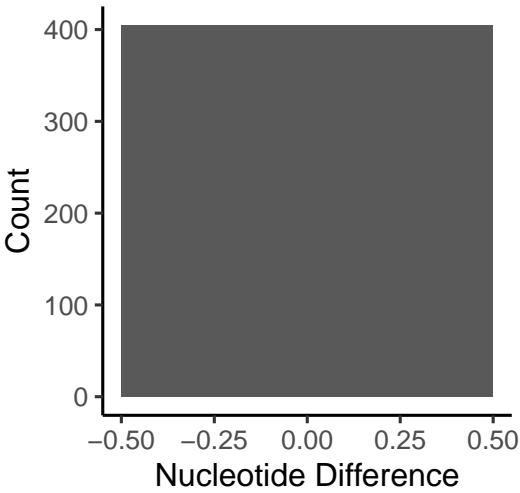
TRBV12-5*ap01

566 sequences assigned
565 (99.8%) exact matches, in which:
562 unique CDR3
13 unique J



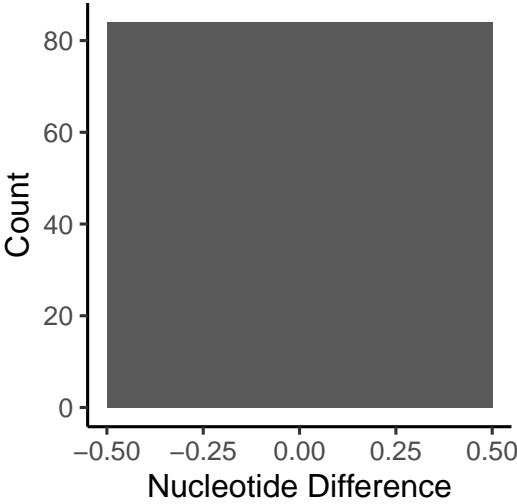
TRBV11-1*ap01

405 sequences assigned
405 (100%) exact matches, in which:
405 unique CDR3
13 unique J



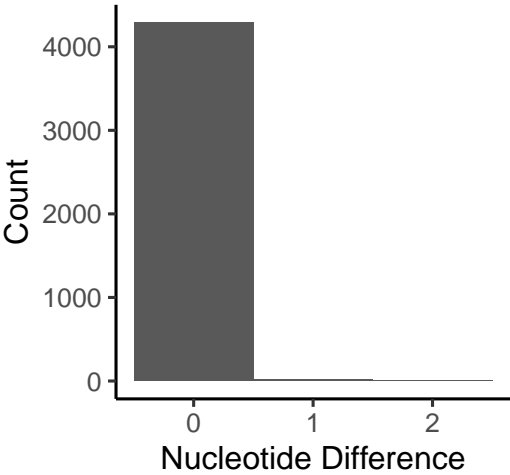
TRBV12-1*ap01

84 sequences assigned
84 (100%) exact matches, in which:
84 unique CDR3
13 unique J



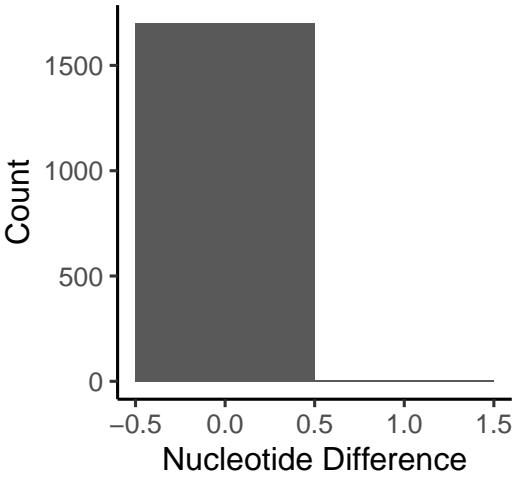
TRBV12-34*ap01

4310 sequences assigned
4288 (99.5%) exact matches, in which:
4264 unique CDR3
13 unique J



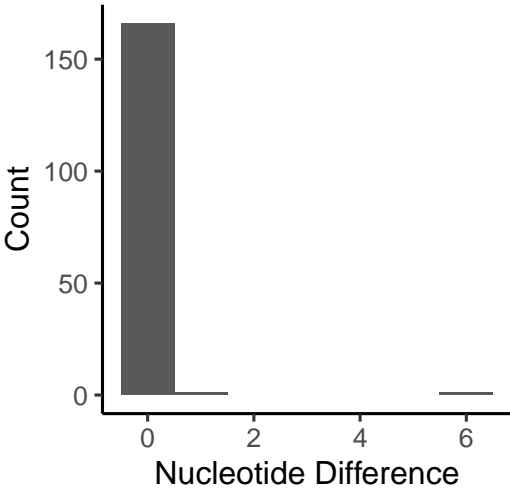
TRBV11-2*ap01

1708 sequences assigned
1701 (99.6%) exact matches, in which:
1692 unique CDR3
13 unique J



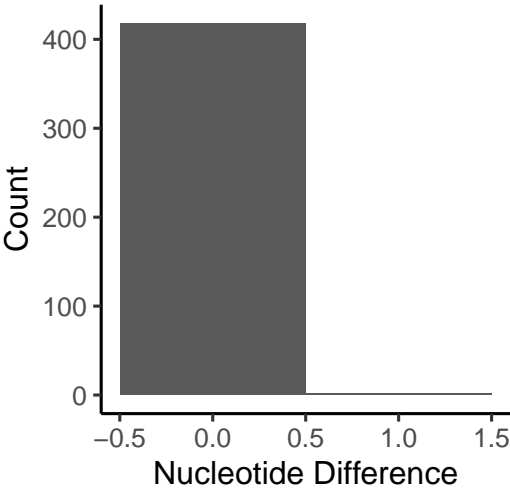
TRBV12-2*ap01

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



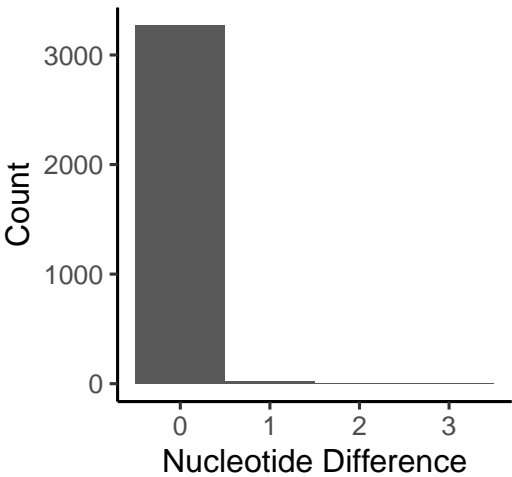
TRBV23-1*ap01

420 sequences assigned
418 (99.5%) exact matches, in which:
417 unique CDR3
13 unique J



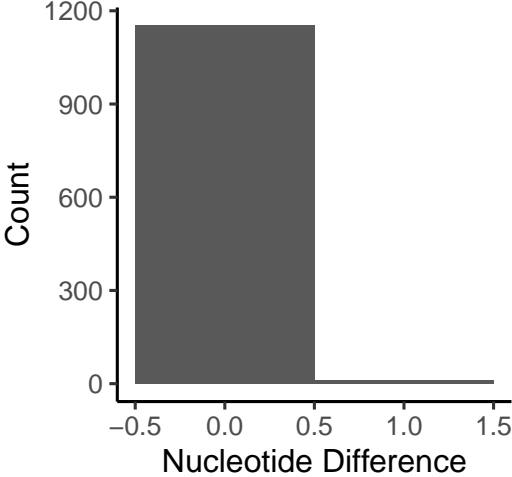
TRBV3-12*ap01

3295 sequences assigned
3270 (99.2%) exact matches, in which:
3255 unique CDR3
13 unique J



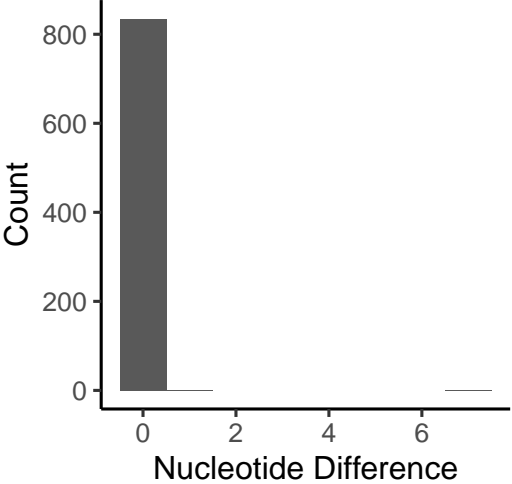
TRBV4-2*ap01

1165 sequences assigned
1153 (99%) exact matches, in which:
1143 unique CDR3
13 unique J



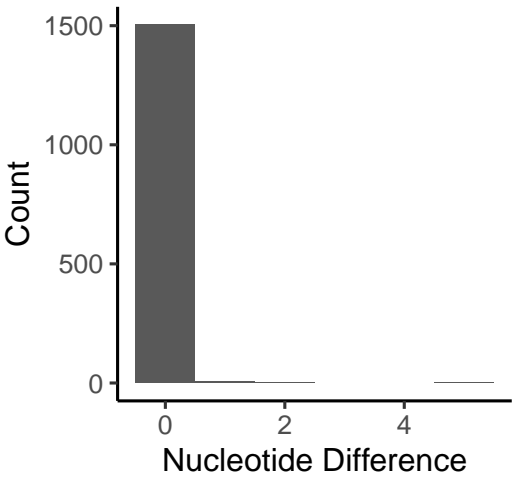
TRBV25-1*ap01

837 sequences assigned
835 (99.8%) exact matches, in which:
826 unique CDR3
13 unique J



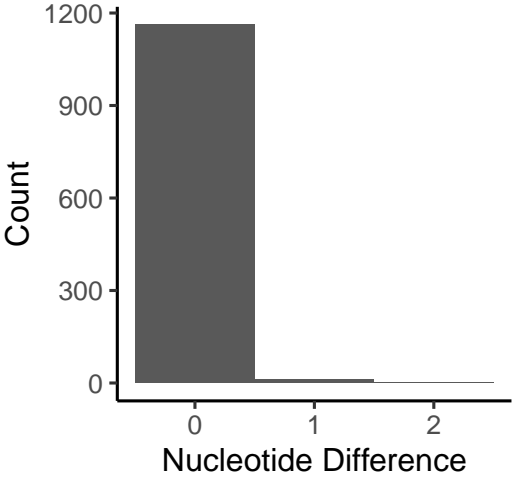
TRBV4-1*ap01

1514 sequences assigned
1504 (99.3%) exact matches, in which:
1500 unique CDR3
13 unique J



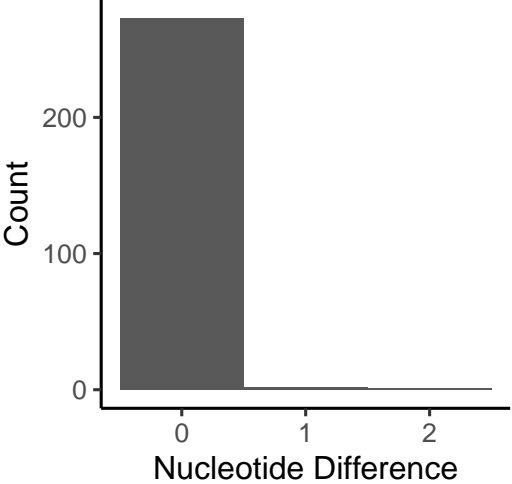
TRBV4-3*ap01

1174 sequences assigned
1162 (99%) exact matches, in which:
1156 unique CDR3
13 unique J



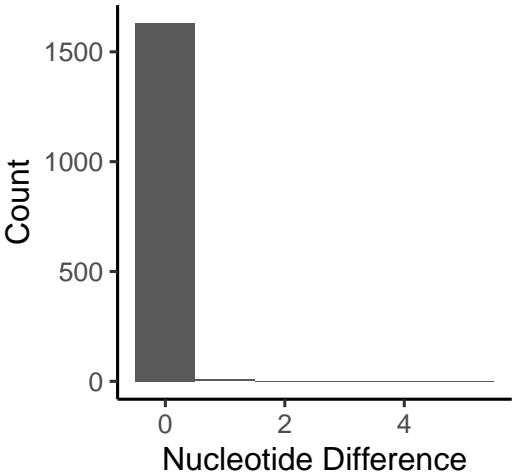
TRBV5-3*ap01

276 sequences assigned
273 (98.9%) exact matches, in which:
269 unique CDR3
13 unique J



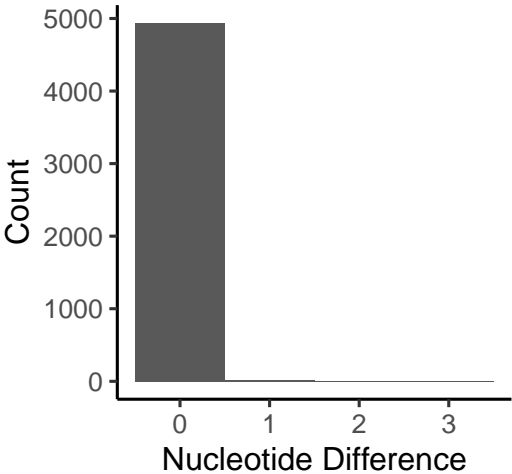
TRBV24-1*ap01

1645 sequences assigned
1631 (99.1%) exact matches, in which:
1621 unique CDR3
13 unique J



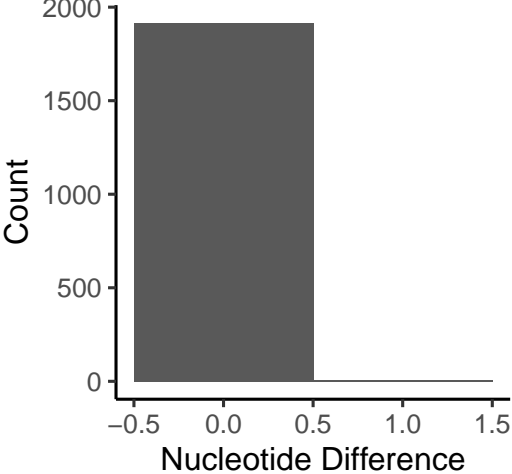
TRBV5-1*ap01

4955 sequences assigned
4937 (99.6%) exact matches, in which:
4813 unique CDR3
13 unique J



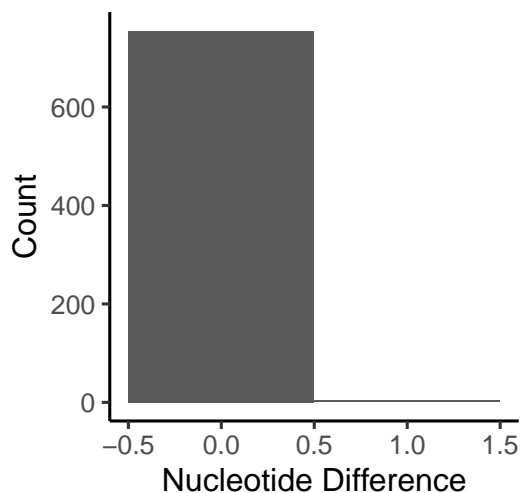
TRBV5-4*ap01

1923 sequences assigned
1915 (99.6%) exact matches, in which:
1906 unique CDR3
13 unique J



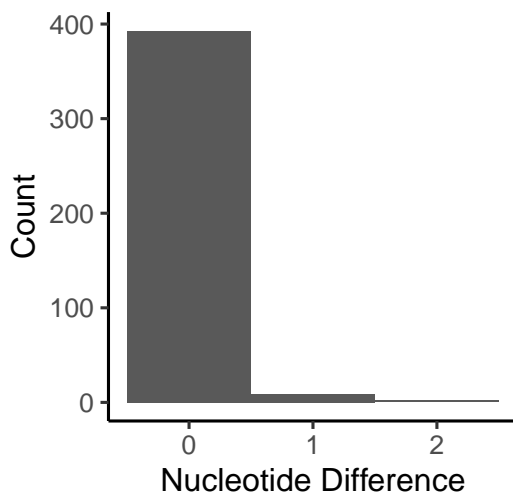
TRBV5-5*ap01

759 sequences assigned
755 (99.5%) exact matches, in which:
748 unique CDR3
13 unique J



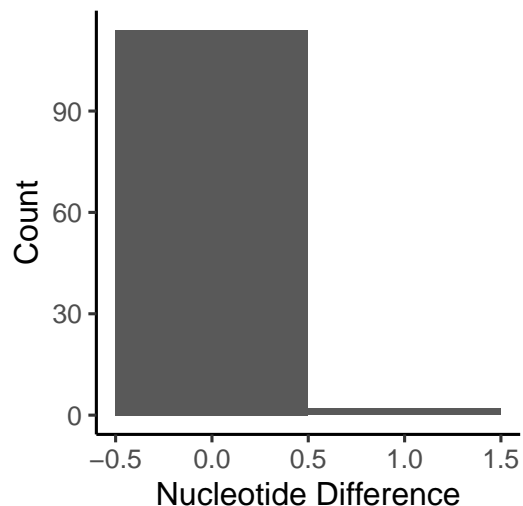
TRBV5-8*ap01

404 sequences assigned
393 (97.3%) exact matches, in which:
391 unique CDR3
13 unique J



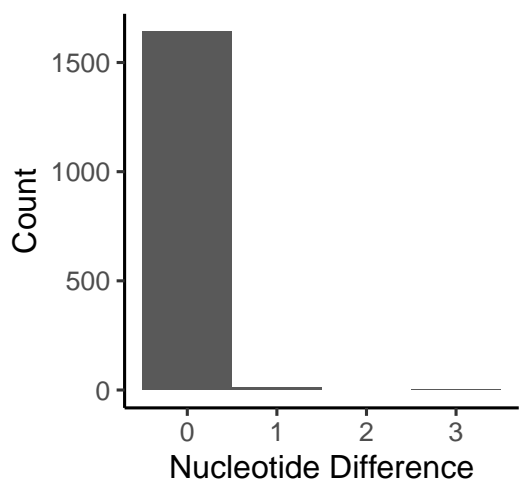
TRBV6-7*ap01

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



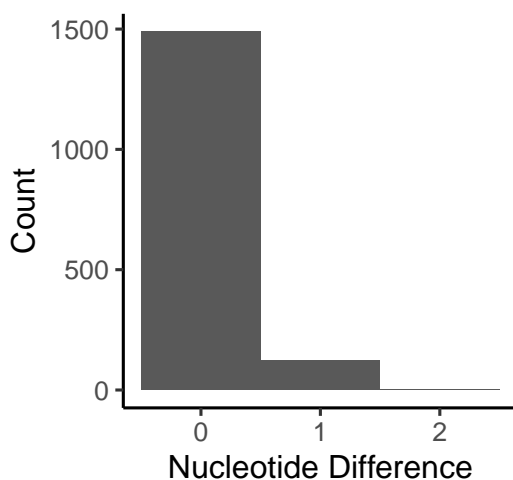
TRBV5-6*ap01

1652 sequences assigned
1641 (99.3%) exact matches, in which:
1618 unique CDR3
13 unique J



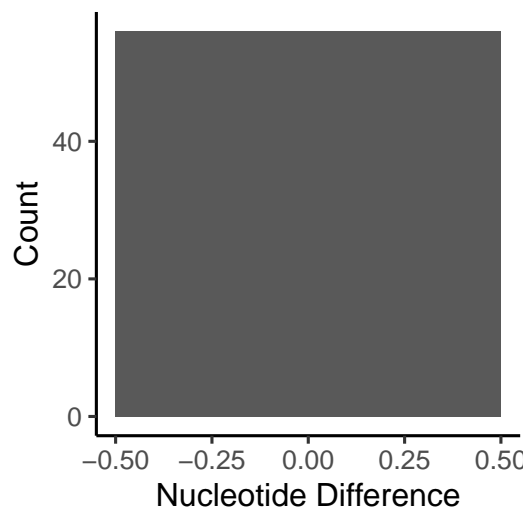
TRBV6-1*ap01

1612 sequences assigned
1489 (92.4%) exact matches, in which:
1484 unique CDR3
13 unique J



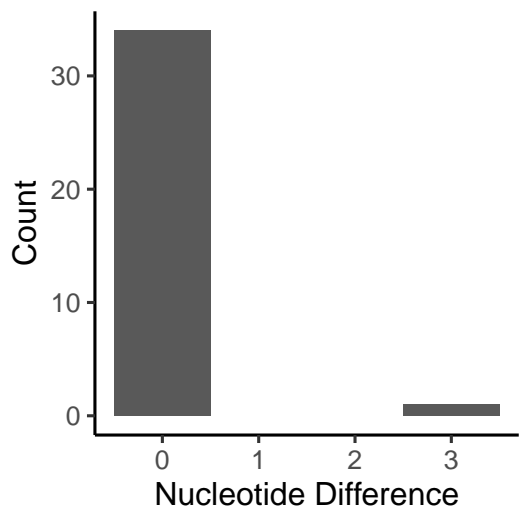
TRBV6-8*ap01

56 sequences assigned
56 (100%) exact matches, in which:
56 unique CDR3
13 unique J



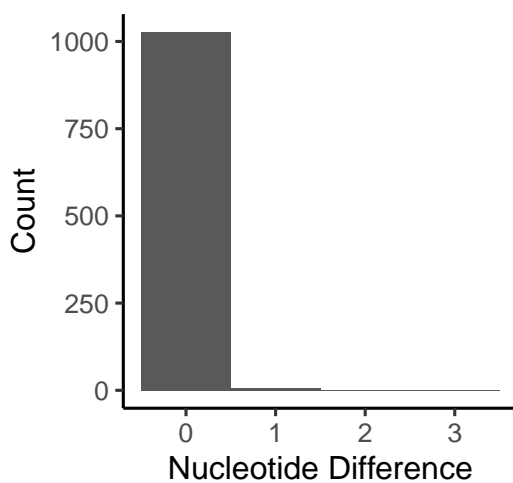
TRBV5-7*ap01

35 sequences assigned
34 (97.1%) exact matches, in which:
34 unique CDR3
12 unique J



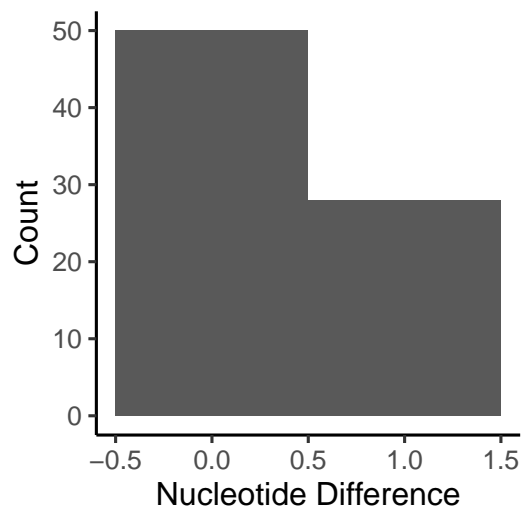
TRBV6-4*ap01

1036 sequences assigned
1027 (99.1%) exact matches, in which:
1025 unique CDR3
13 unique J



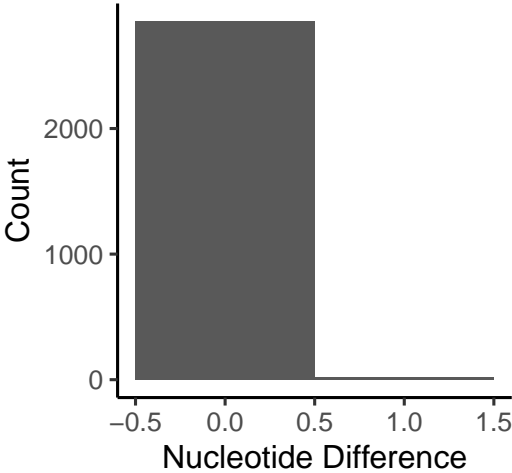
TRBV6-9*ap01

78 sequences assigned
50 (64.1%) exact matches, in which:
50 unique CDR3
13 unique J



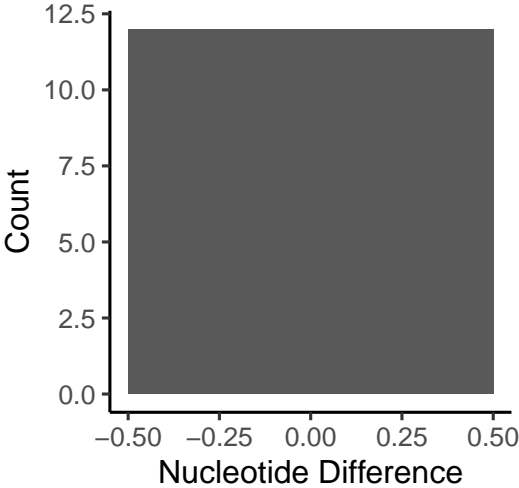
TRBV6-23*ap01

2874 sequences assigned
2853 (99.3%) exact matches, in which:
2841 unique CDR3
13 unique J



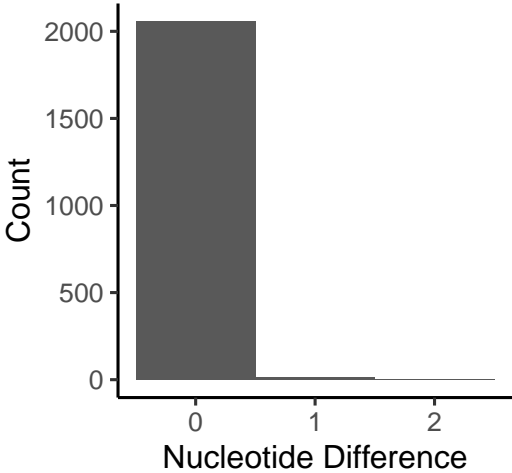
TRBV7-1*ap01

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



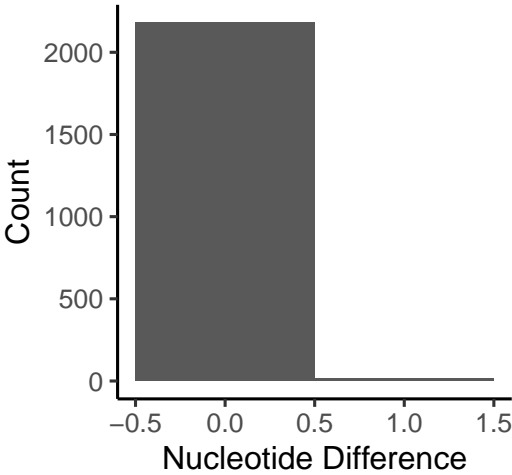
TRBV7-3*ap01

2070 sequences assigned
2057 (99.4%) exact matches, in which:
2022 unique CDR3
13 unique J



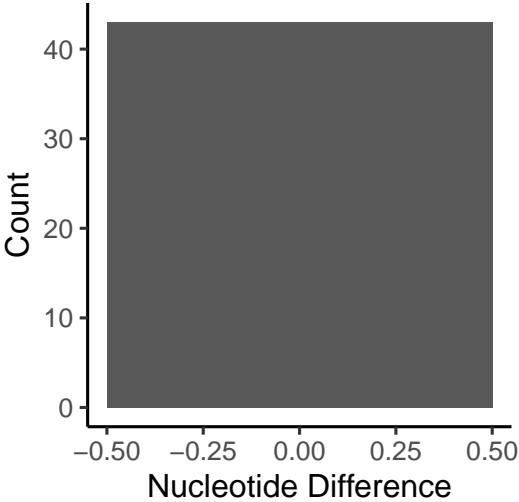
TRBV6-56*ap01

2195 sequences assigned
2180 (99.3%) exact matches, in which:
2174 unique CDR3
13 unique J



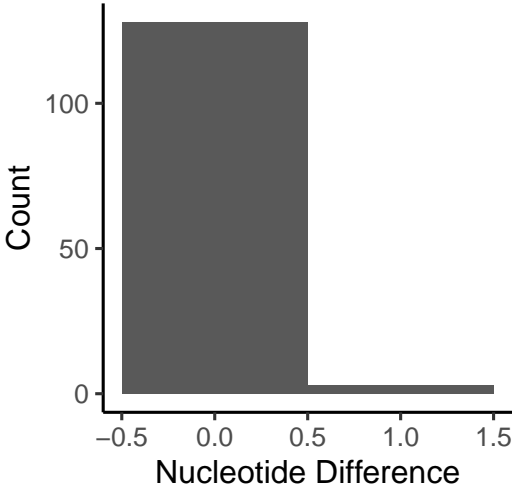
TRBV7-1*ap01_G291C_T

43 sequences assigned
43 (100%) exact matches, in which:
43 unique CDR3
10 unique J



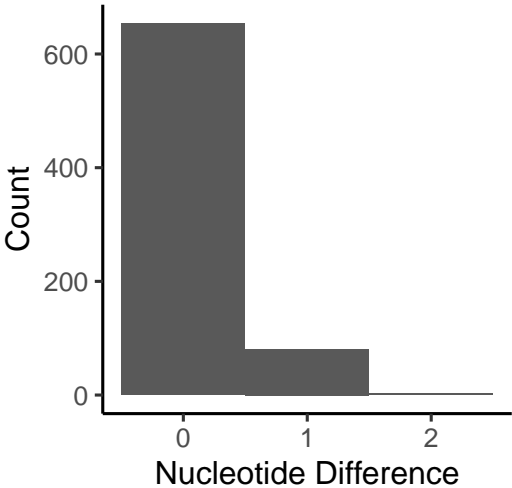
TRBV7-4*ap01

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



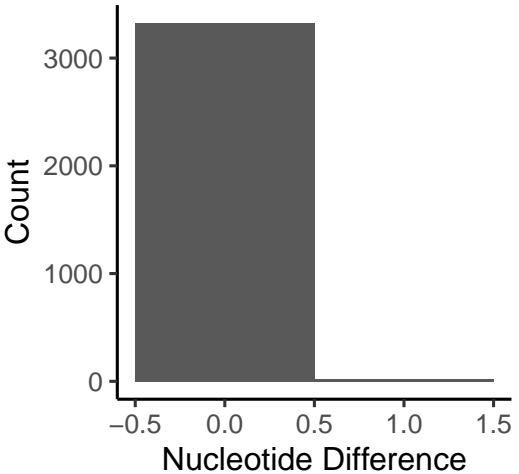
TRBV6-56*ap02

738 sequences assigned
654 (88.6%) exact matches, in which:
650 unique CDR3
13 unique J



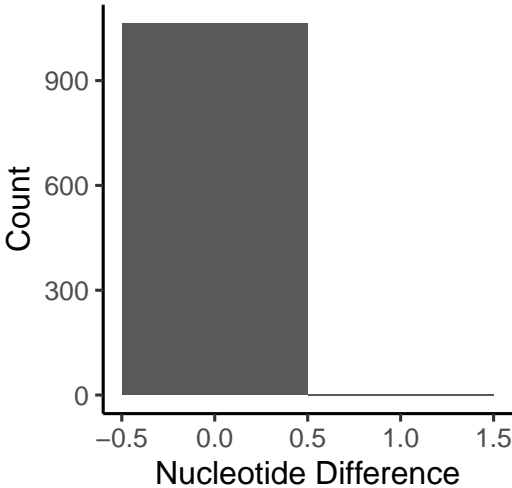
TRBV7-2*ap01

3346 sequences assigned
3325 (99.4%) exact matches, in which:
3312 unique CDR3
13 unique J



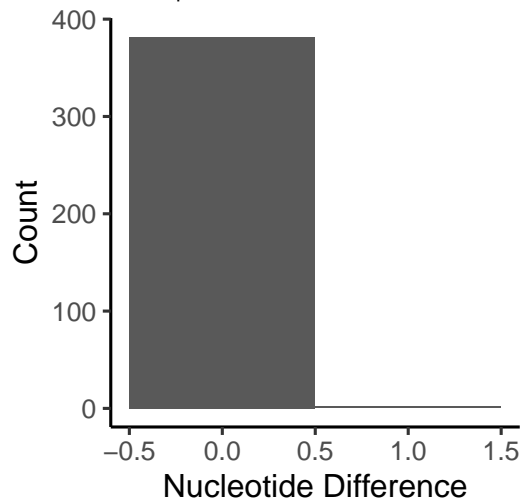
TRBV7-6*ap01

1067 sequences assigned
1064 (99.7%) exact matches, in which:
1056 unique CDR3
13 unique J



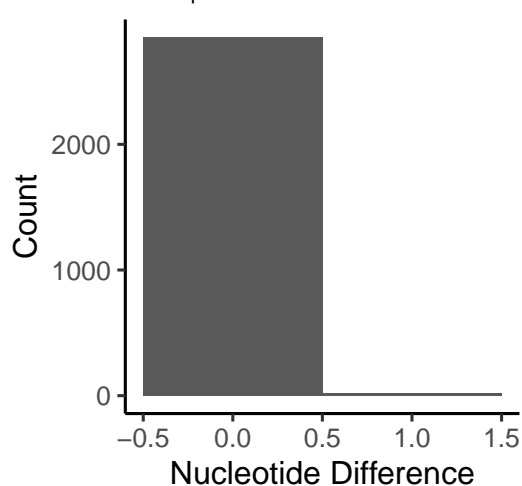
TRBV7-7*ap01_C315T

384 sequences assigned
382 (99.5%) exact matches, in which:
382 unique CDR3
13 unique J



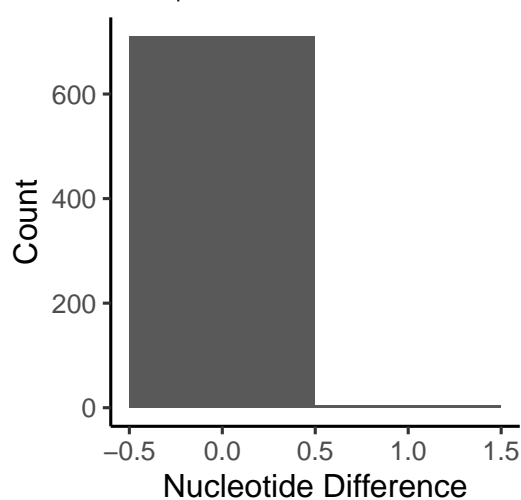
TRBV7-9*ap01

2868 sequences assigned
2851 (99.4%) exact matches, in which:
2836 unique CDR3
13 unique J



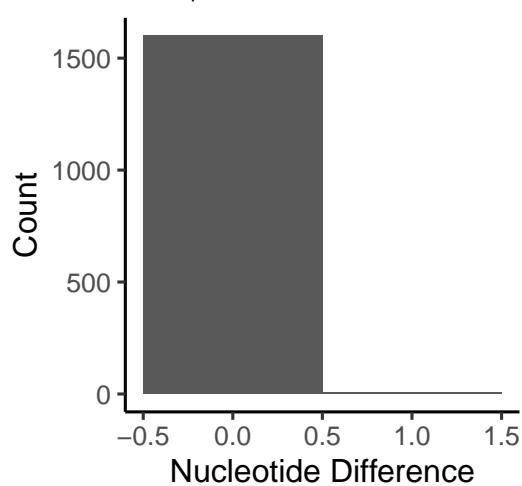
TRBV7-8*ap01

716 sequences assigned
711 (99.3%) exact matches, in which:
711 unique CDR3
13 unique J



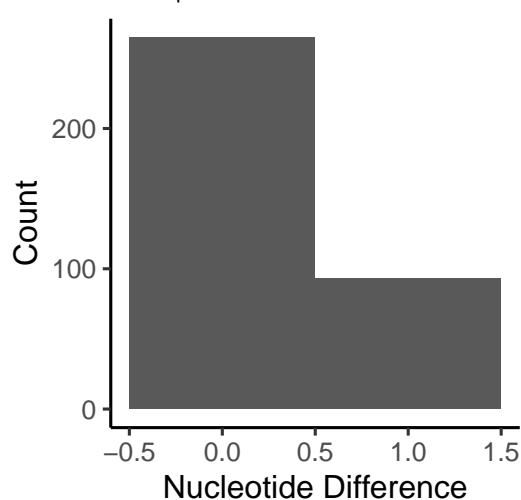
TRBV29-1*ap01

1607 sequences assigned
1600 (99.6%) exact matches, in which:
1590 unique CDR3
13 unique J



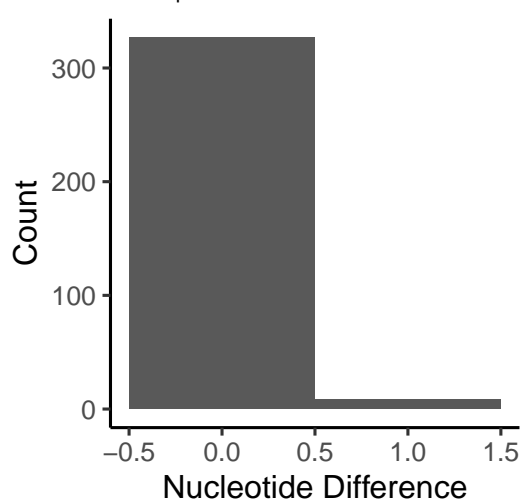
TRBV7-8*ap03

358 sequences assigned
265 (74%) exact matches, in which:
263 unique CDR3
13 unique J

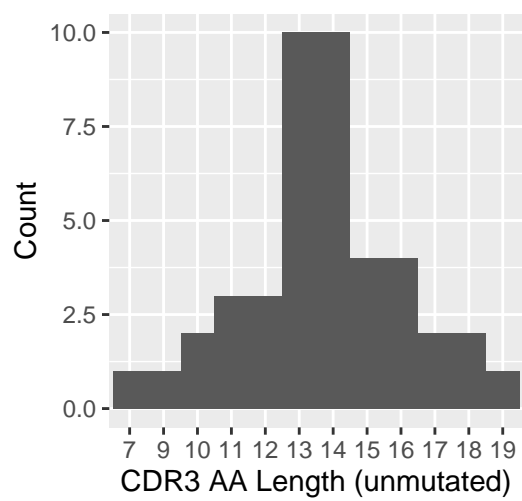


TRBV29-1*ap02

335 sequences assigned
327 (97.6%) exact matches, in which:
327 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

