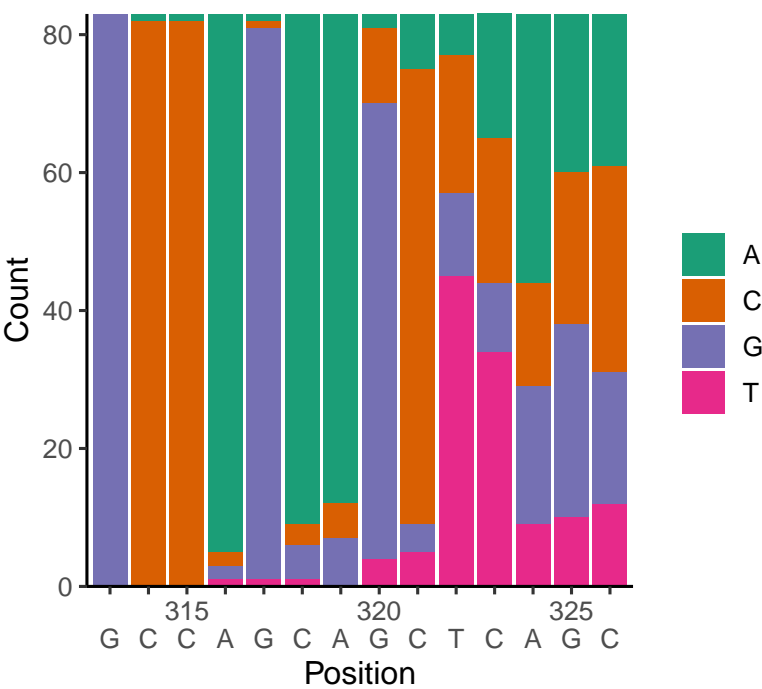
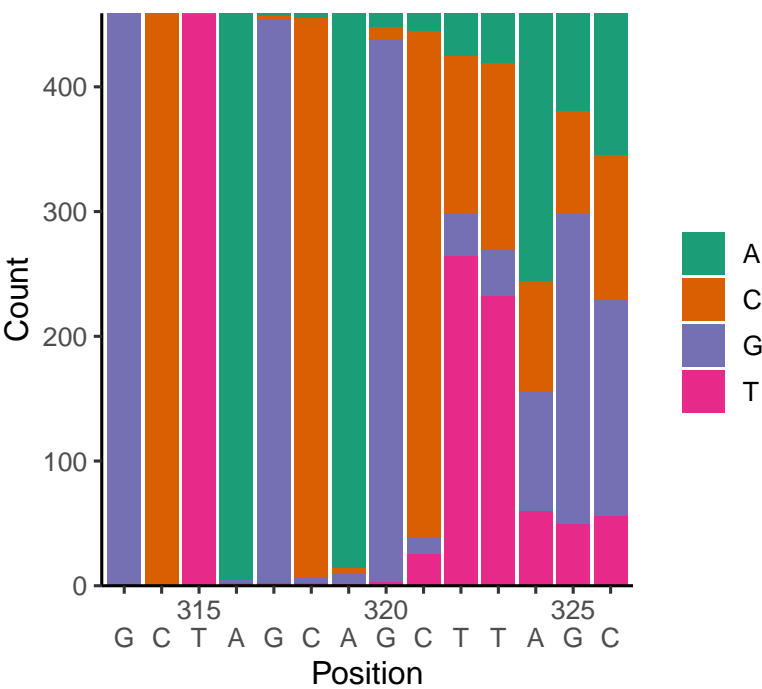


Gene TRBV7-1*ap01_G291C_T296C



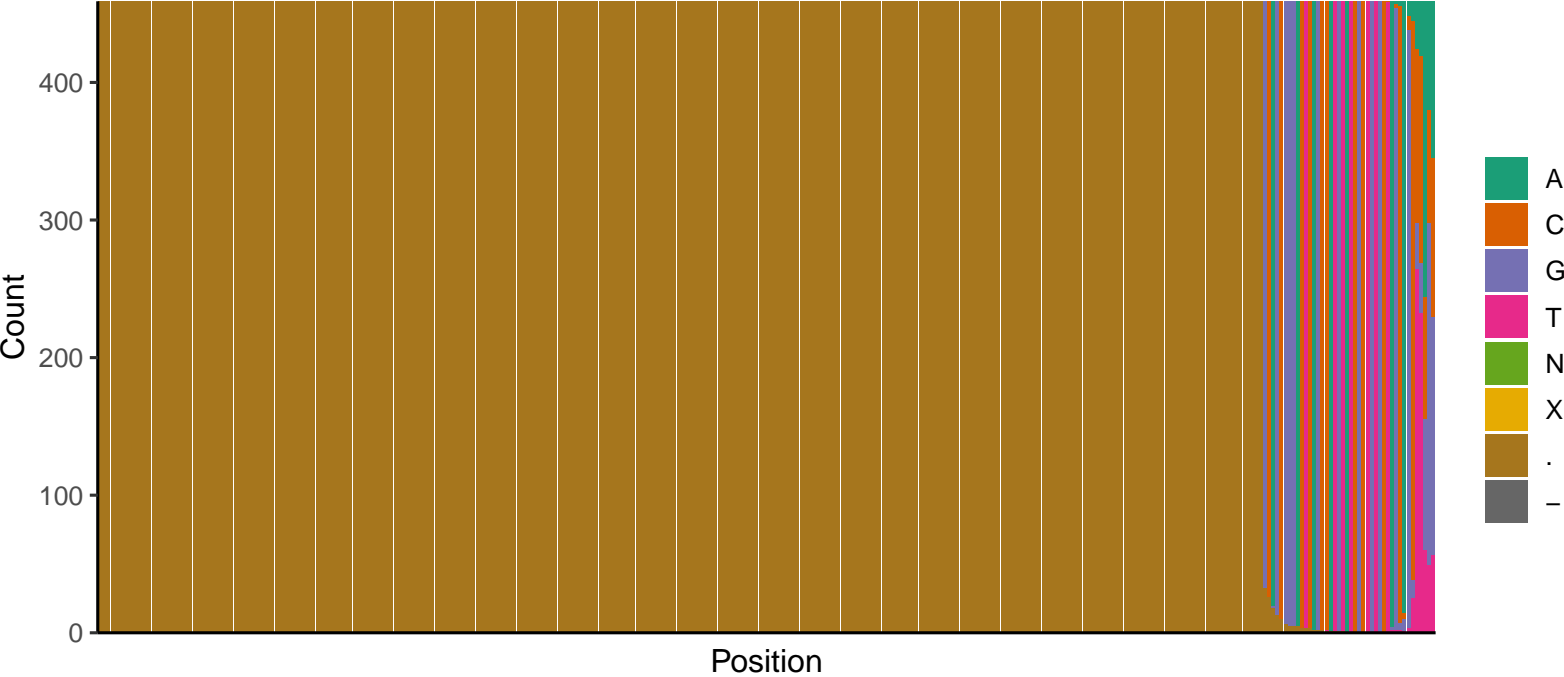
Gene TRBV7-7*ap01_C315T



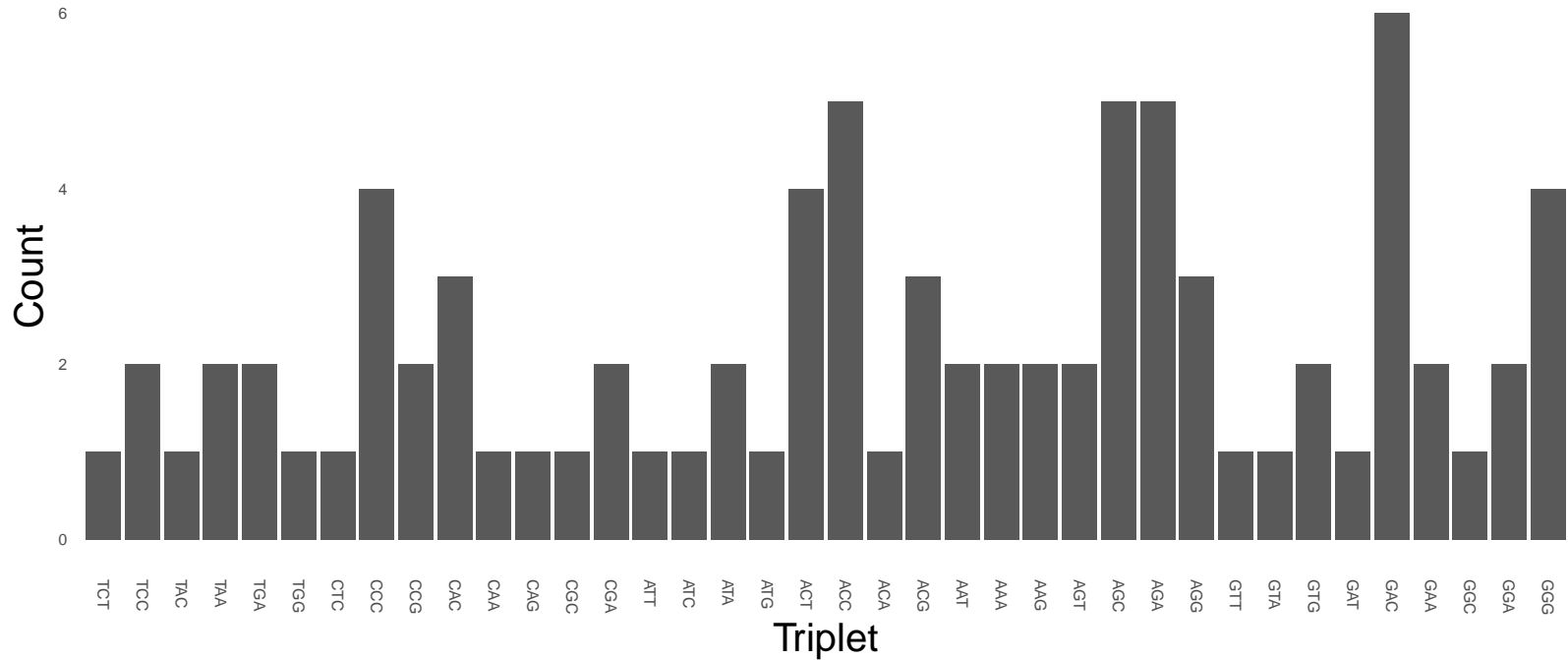
Gene TRBV7-1*ap01_G291C_T296C



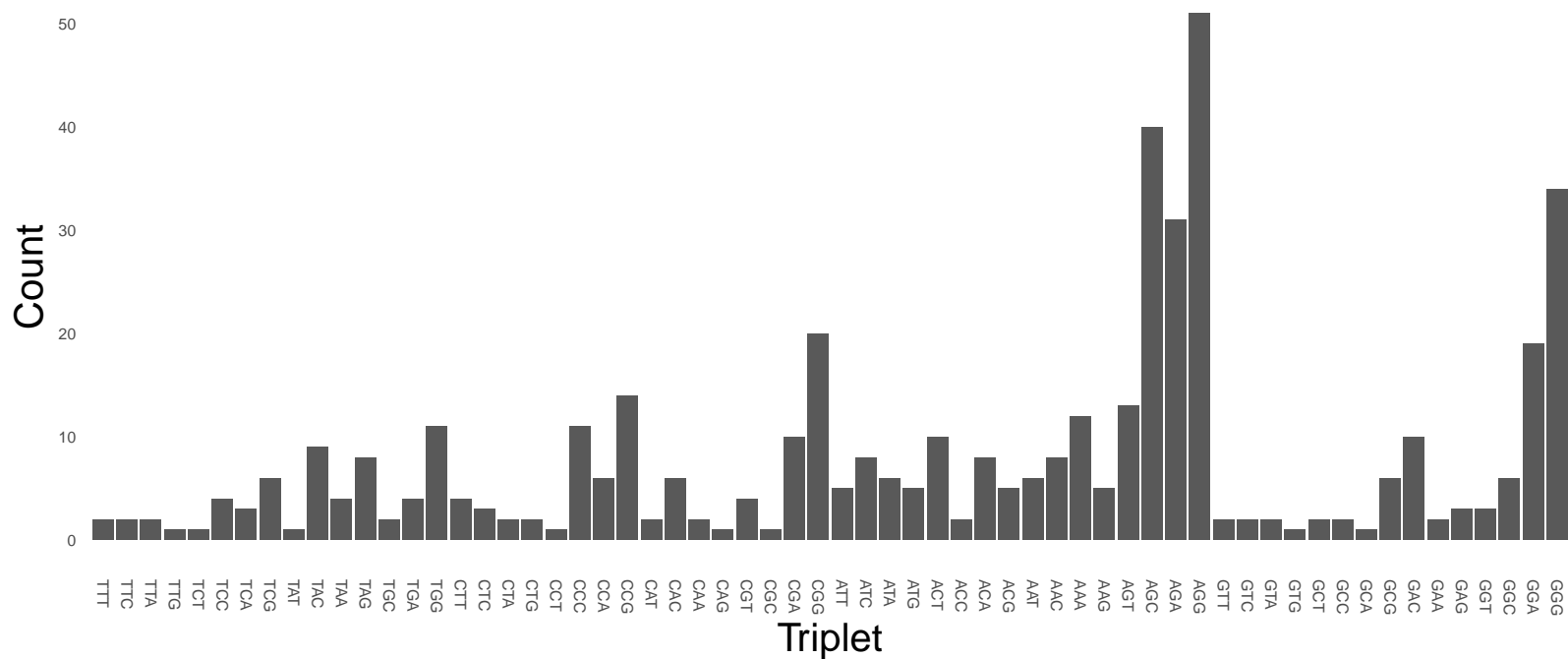
Gene TRBV7-7*ap01_C315T



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

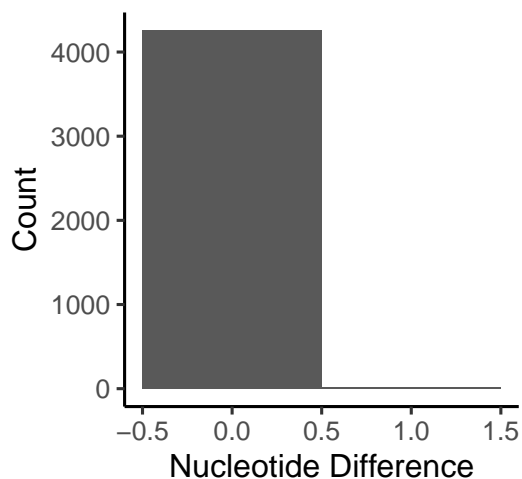


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



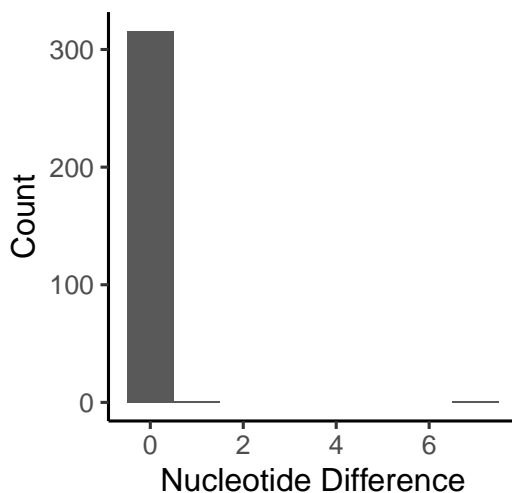
TRBV20-1*ap01

4271 sequences assigned
4257 (99.7%) exact matches, in which:
4245 unique CDR3
13 unique J



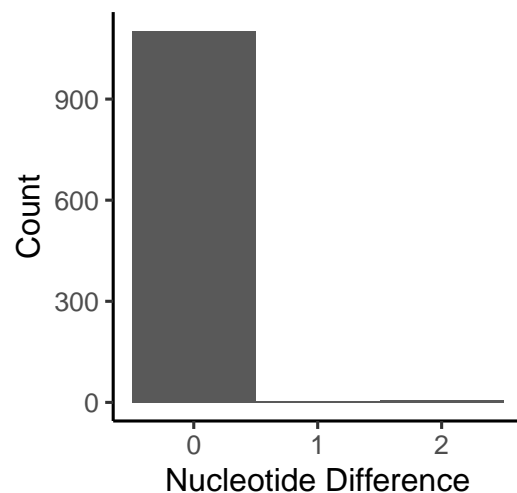
TRBV10-2*ap01

318 sequences assigned
316 (99.4%) exact matches, in which:
315 unique CDR3
13 unique J



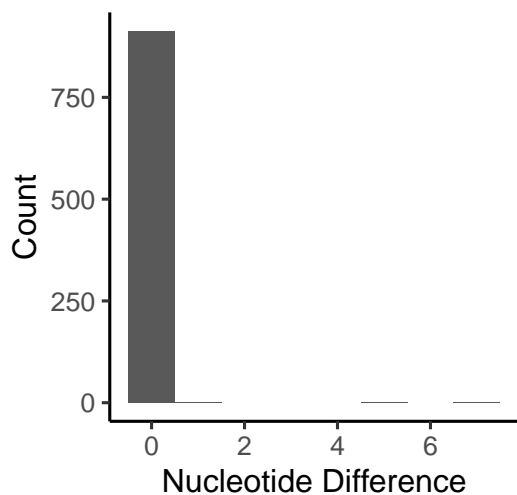
TRBV13*ap01

1116 sequences assigned
1103 (98.8%) exact matches, in which:
1093 unique CDR3
13 unique J



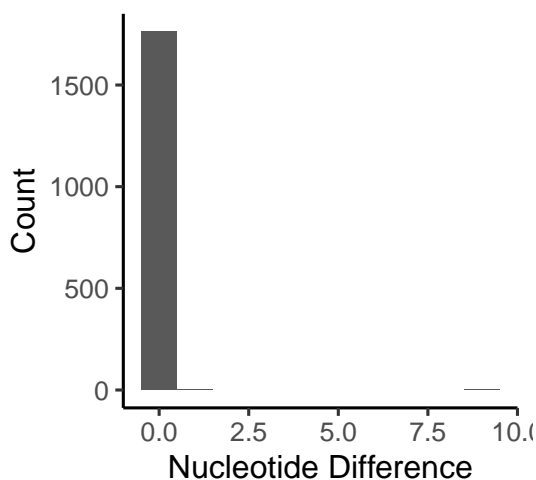
TRBV10-1*ap01

917 sequences assigned
913 (99.6%) exact matches, in which:
912 unique CDR3
13 unique J



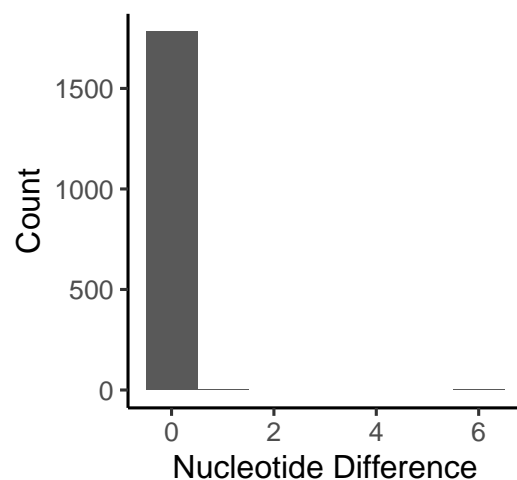
TRBV10-3*ap01

1767 sequences assigned
1762 (99.7%) exact matches, in which:
1757 unique CDR3
13 unique J



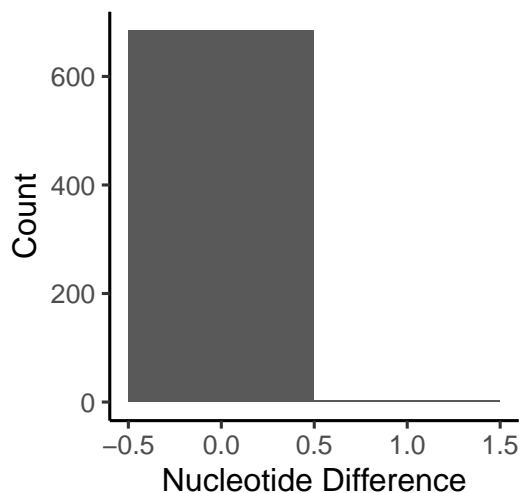
TRBV14*ap01

1785 sequences assigned
1782 (99.8%) exact matches, in which:
1779 unique CDR3
13 unique J



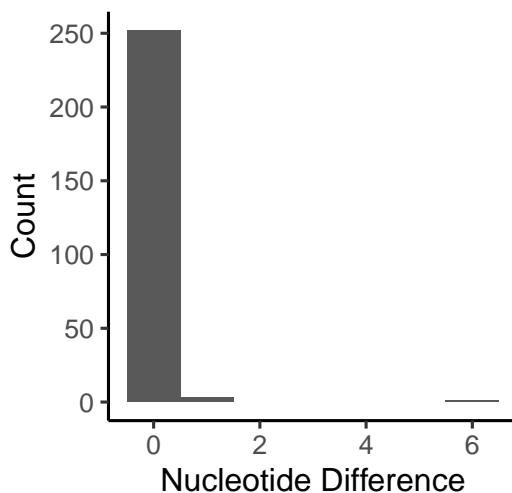
TRBV20-1*ap02

688 sequences assigned
685 (99.6%) exact matches, in which:
683 unique CDR3
13 unique J



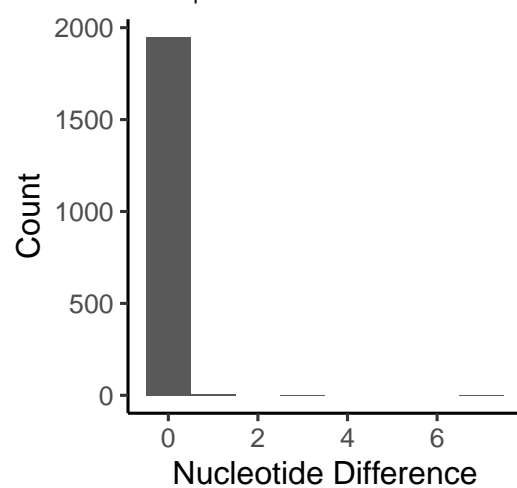
TRBV1*ap01

256 sequences assigned
252 (98.4%) exact matches, in which:
251 unique CDR3
12 unique J



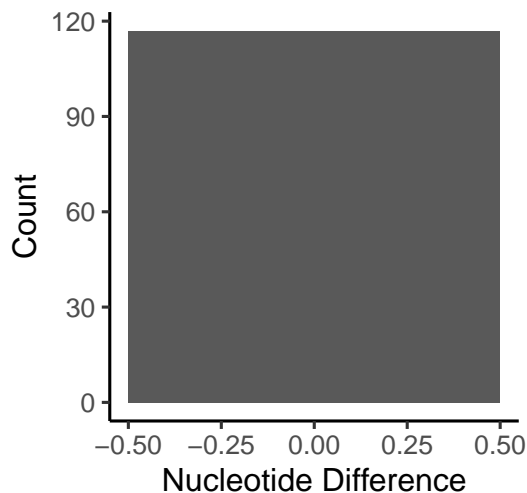
TRBV15*ap02

1959 sequences assigned
1949 (99.5%) exact matches, in which:
1939 unique CDR3
13 unique J



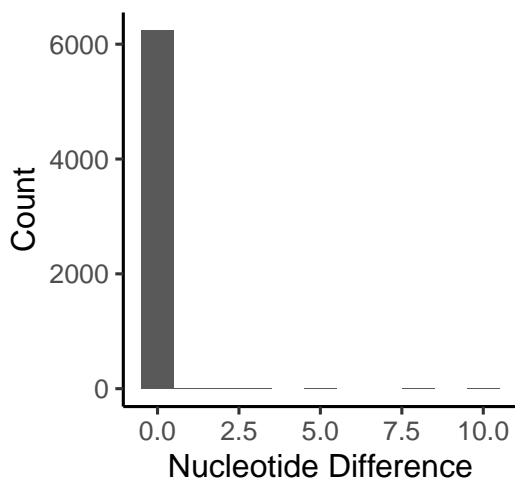
TRBV16*ap01

117 sequences assigned
117 (100%) exact matches, in which:
117 unique CDR3
12 unique J



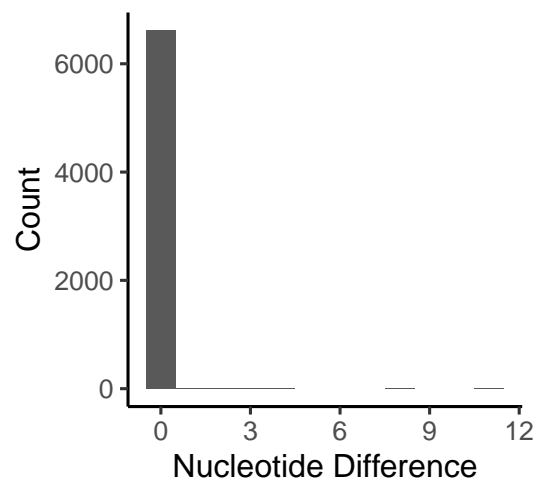
TRBV19*ap01

6262 sequences assigned
6240 (99.6%) exact matches, in which:
6237 unique CDR3
13 unique J



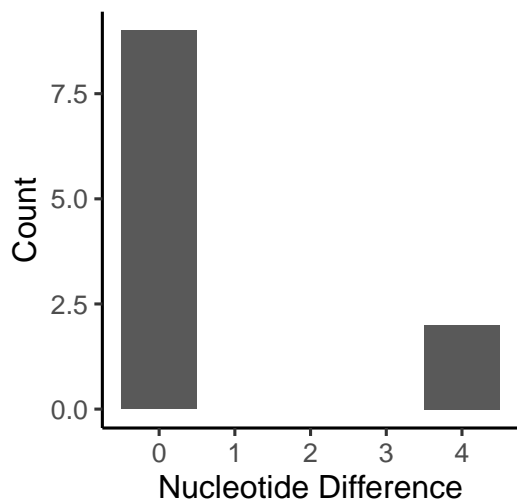
TRBV27*ap01

6640 sequences assigned
6616 (99.6%) exact matches, in which:
6595 unique CDR3
13 unique J



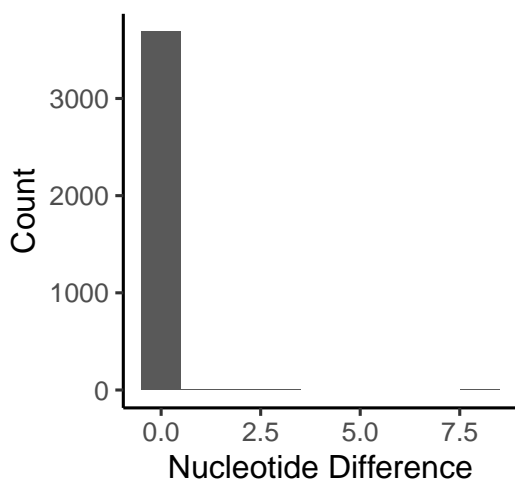
TRBV17*ap01

11 sequences assigned
9 (81.8%) exact matches, in which:
9 unique CDR3
6 unique J



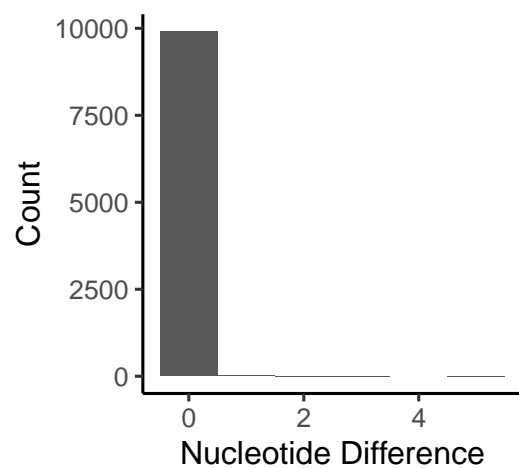
TRBV2*ap01

3699 sequences assigned
3687 (99.7%) exact matches, in which:
3674 unique CDR3
13 unique J



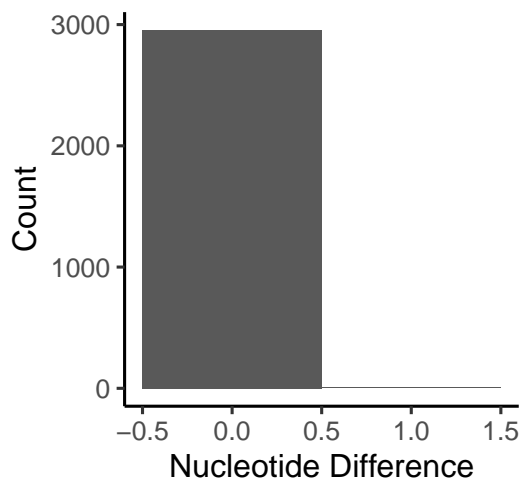
TRBV28*ap01

9939 sequences assigned
9910 (99.7%) exact matches, in which:
9887 unique CDR3
13 unique J



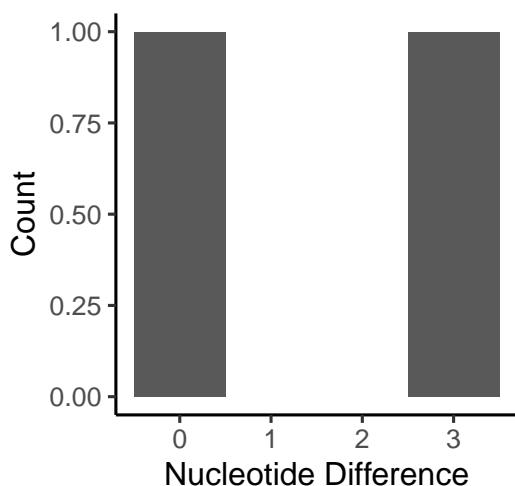
TRBV18*ap01

2961 sequences assigned
2955 (99.8%) exact matches, in which:
2952 unique CDR3
13 unique J



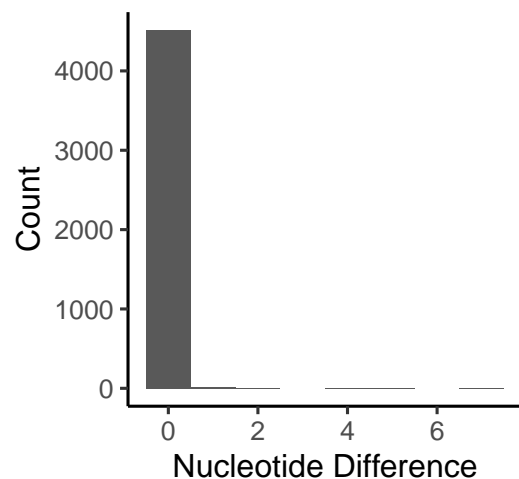
TRBV26*ap01

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



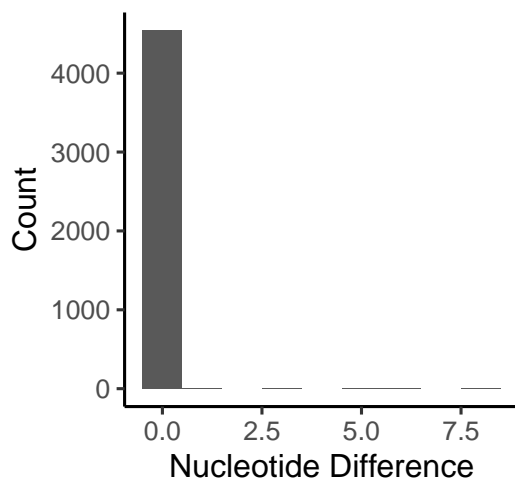
TRBV30*ap01

4540 sequences assigned
4515 (99.4%) exact matches, in which:
4504 unique CDR3
13 unique J



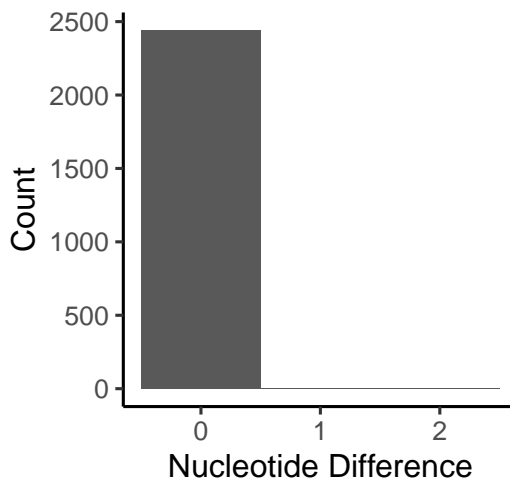
TRBV9*ap01

4549 sequences assigned
4542 (99.8%) exact matches, in which:
4527 unique CDR3
13 unique J



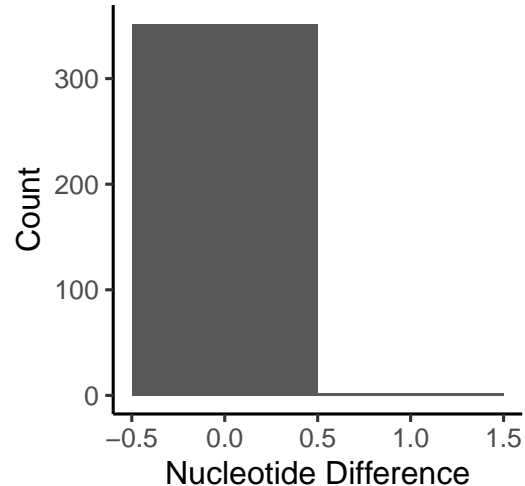
TRBV11-2*ap01

2444 sequences assigned
2440 (99.8%) exact matches, in which:
2436 unique CDR3
13 unique J



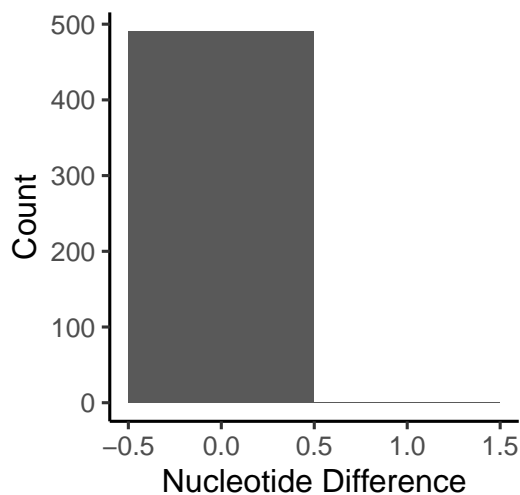
TRBV12-2*ap01

354 sequences assigned
352 (99.4%) exact matches, in which:
351 unique CDR3
12 unique J



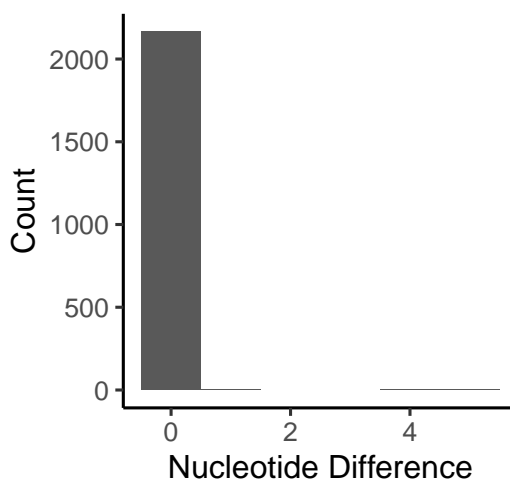
TRBV11-1*ap01

492 sequences assigned
491 (99.8%) exact matches, in which:
490 unique CDR3
12 unique J



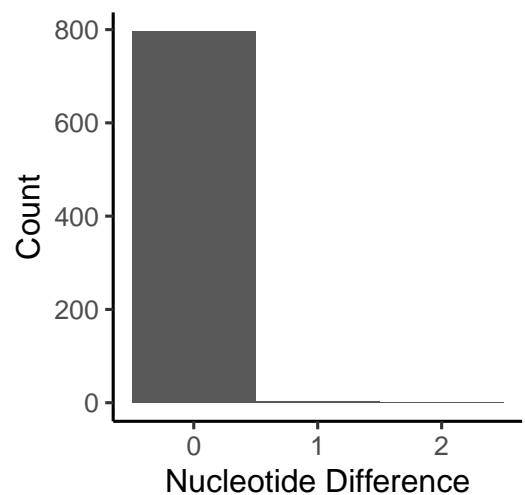
TRBV11-3*ap01

2171 sequences assigned
2165 (99.7%) exact matches, in which:
2160 unique CDR3
12 unique J



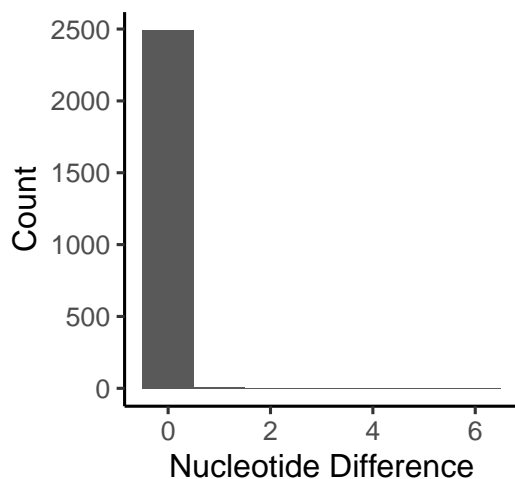
TRBV12-5*ap01

801 sequences assigned
797 (99.5%) exact matches, in which:
795 unique CDR3
12 unique J



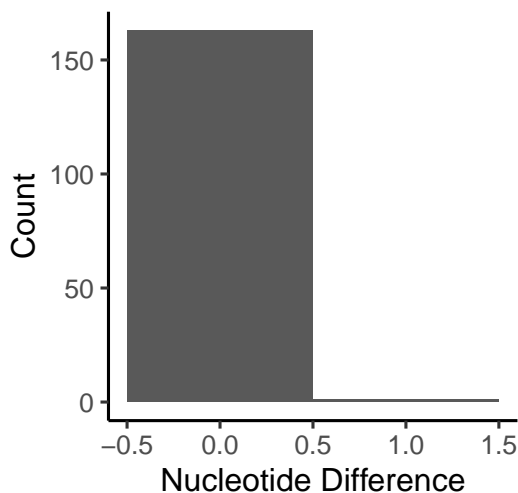
TRBV21-1*ap01

2513 sequences assigned
2493 (99.2%) exact matches, in which:
2491 unique CDR3
12 unique J



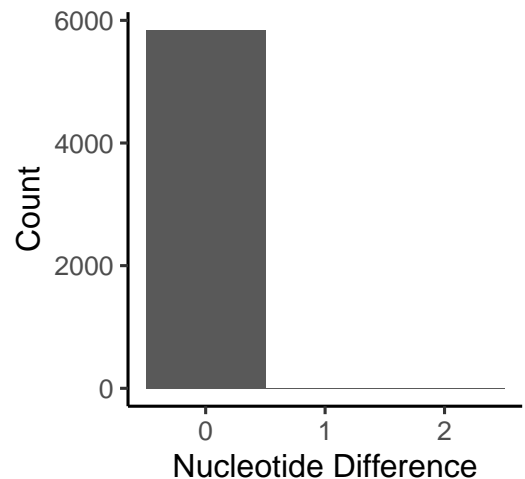
TRBV12-1*ap01

164 sequences assigned
163 (99.4%) exact matches, in which:
163 unique CDR3
12 unique J



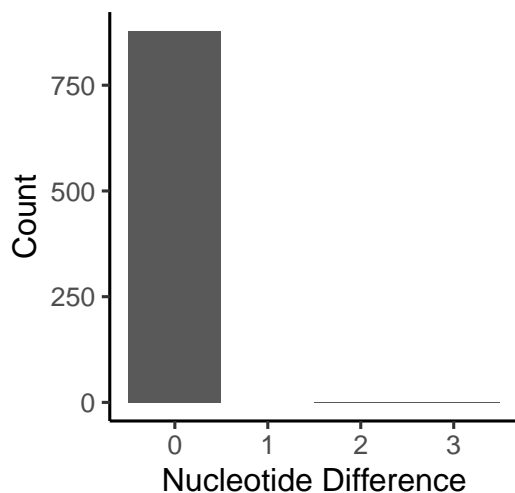
TRBV12-34*ap01

5853 sequences assigned
5842 (99.8%) exact matches, in which:
5832 unique CDR3
13 unique J



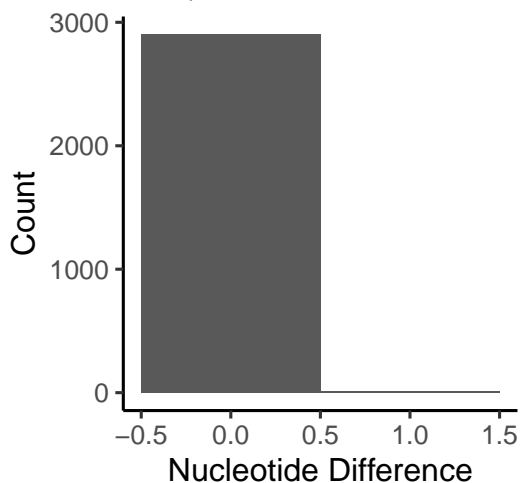
TRBV23-1*ap01

881 sequences assigned
879 (99.8%) exact matches, in which:
879 unique CDR3
13 unique J



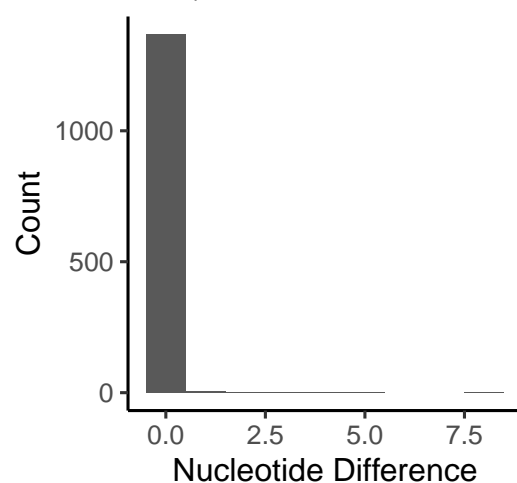
TRBV4-1*ap01

2913 sequences assigned
2902 (99.6%) exact matches, in which:
2890 unique CDR3
13 unique J



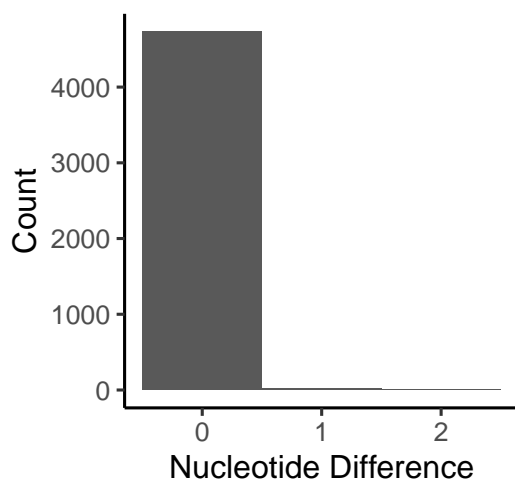
TRBV25-1*ap01

1379 sequences assigned
1368 (99.2%) exact matches, in which:
1367 unique CDR3
13 unique J



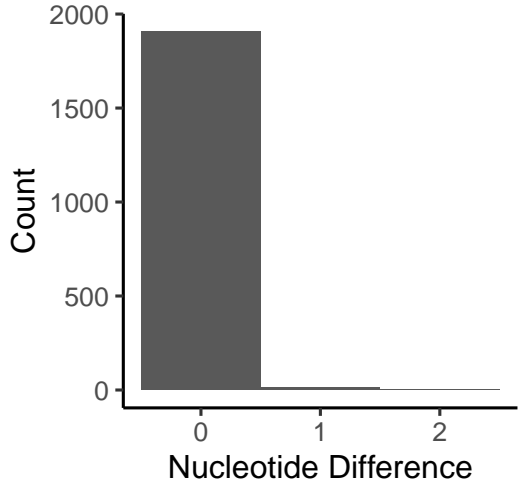
TRBV3-12*ap01

4751 sequences assigned
4731 (99.6%) exact matches, in which:
4719 unique CDR3
13 unique J



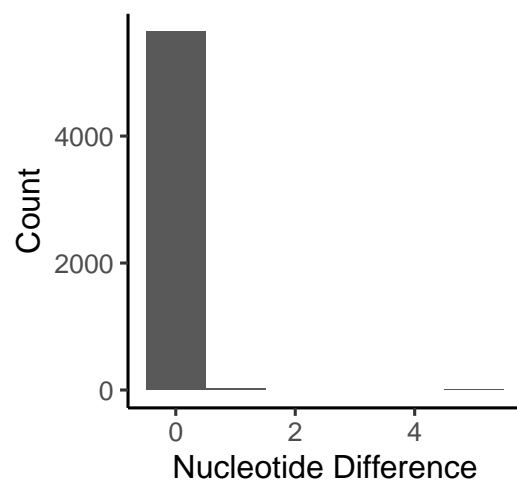
TRBV4-2*ap01

1921 sequences assigned
1906 (99.2%) exact matches, in which:
1901 unique CDR3
13 unique J



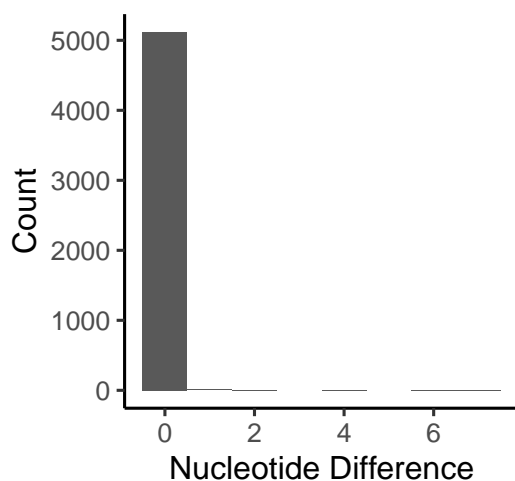
TRBV5-1*ap01

5668 sequences assigned
5644 (99.6%) exact matches, in which:
5609 unique CDR3
13 unique J



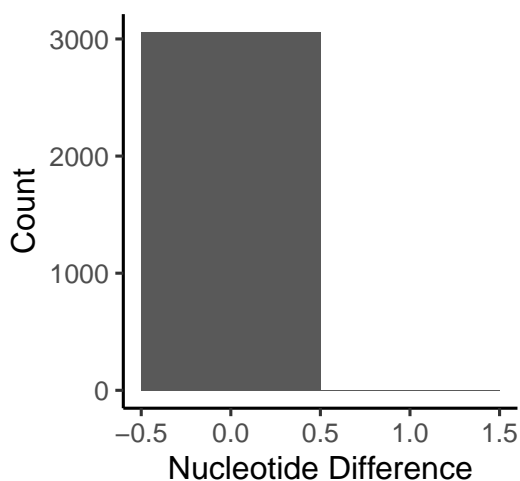
TRBV24-1*ap01

5137 sequences assigned
5118 (99.6%) exact matches, in which:
5108 unique CDR3
13 unique J



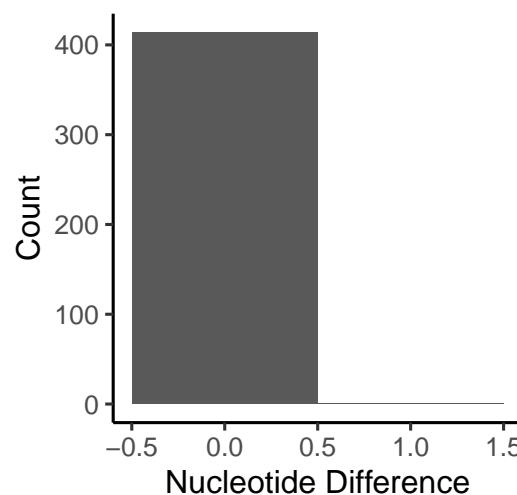
TRBV4-3*ap01

3064 sequences assigned
3059 (99.8%) exact matches, in which:
3049 unique CDR3
13 unique J



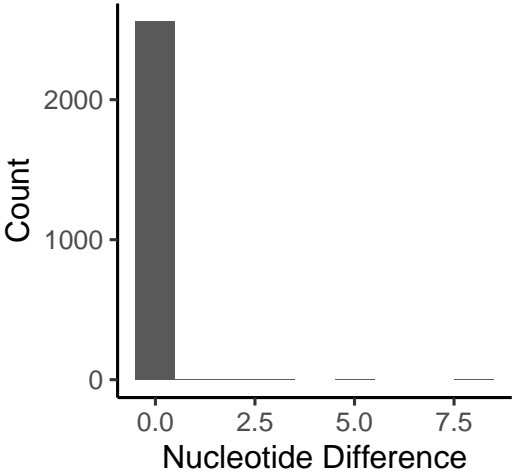
TRBV5-3*ap01

415 sequences assigned
414 (99.8%) exact matches, in which:
413 unique CDR3
12 unique J



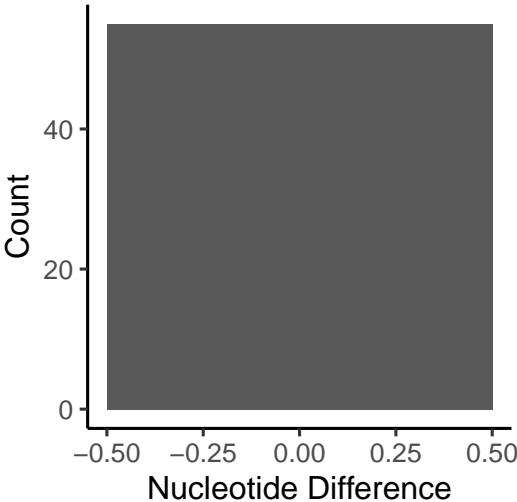
TRBV5-4*ap01

2570 sequences assigned
2559 (99.6%) exact matches, in which:
2551 unique CDR3
13 unique J



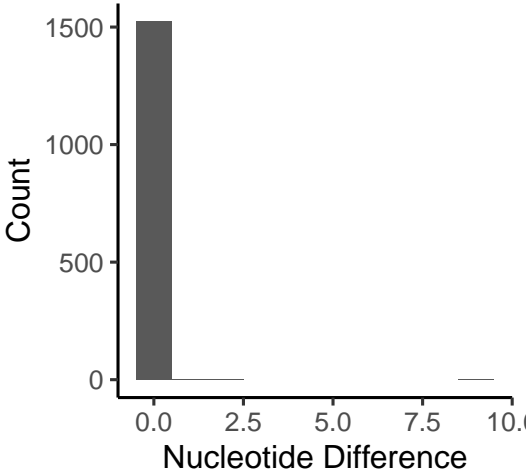
TRBV5-7*ap01

55 sequences assigned
55 (100%) exact matches, in which:
55 unique CDR3
11 unique J



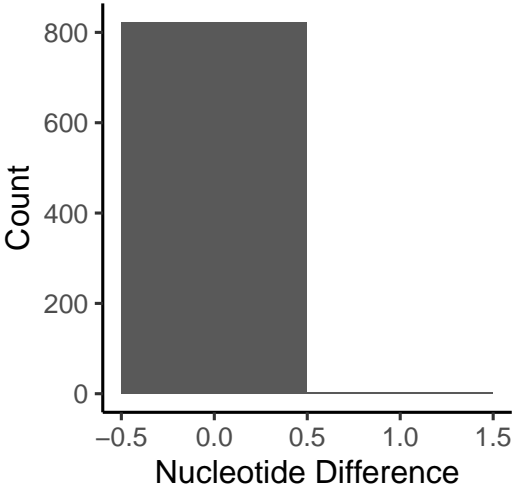
TRBV6-4*ap01

1530 sequences assigned
1524 (99.6%) exact matches, in which:
1524 unique CDR3
13 unique J



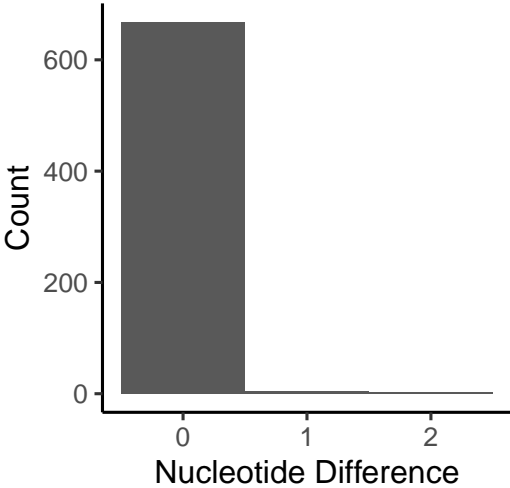
TRBV5-5*ap01

826 sequences assigned
823 (99.6%) exact matches, in which:
823 unique CDR3
12 unique J



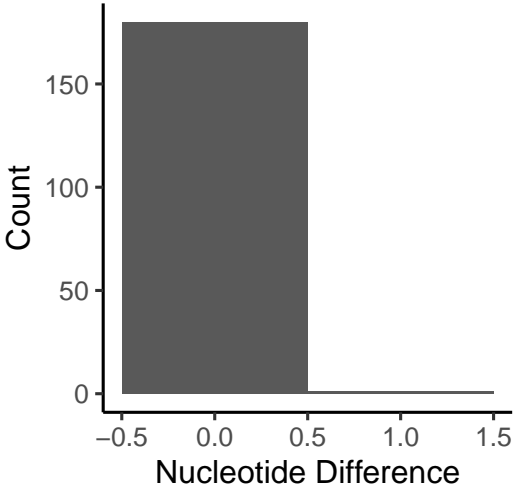
TRBV5-8*ap01

674 sequences assigned
668 (99.1%) exact matches, in which:
668 unique CDR3
12 unique J



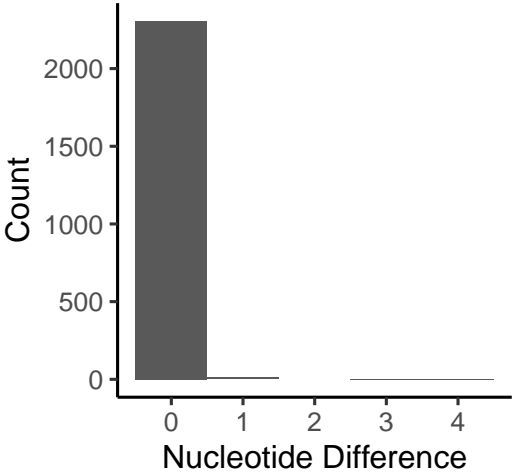
TRBV6-7*ap01

181 sequences assigned
180 (99.4%) exact matches, in which:
180 unique CDR3
11 unique J



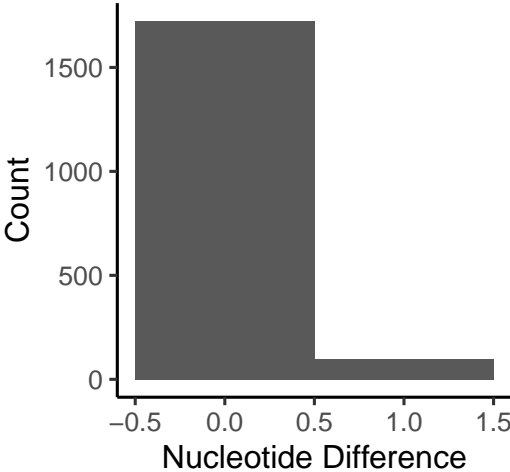
TRBV5-6*ap01

2319 sequences assigned
2306 (99.4%) exact matches, in which:
2294 unique CDR3
13 unique J



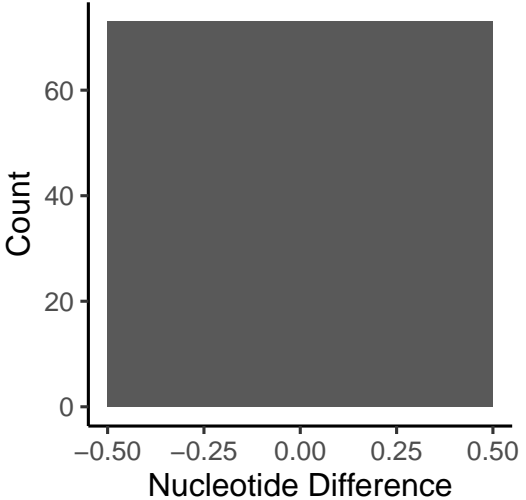
TRBV6-1*ap01

1821 sequences assigned
1723 (94.6%) exact matches, in which:
1718 unique CDR3
13 unique J



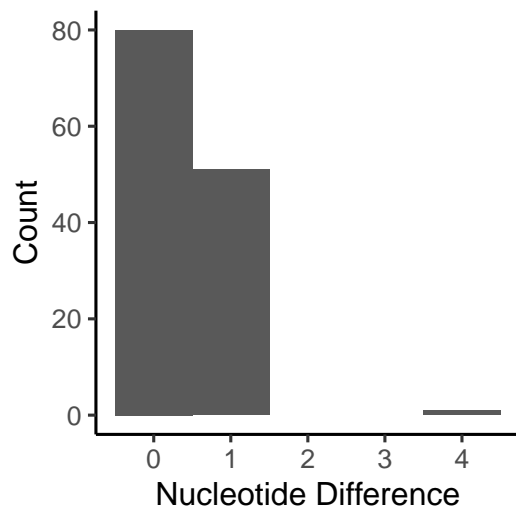
TRBV6-8*ap01

73 sequences assigned
73 (100%) exact matches, in which:
73 unique CDR3
12 unique J



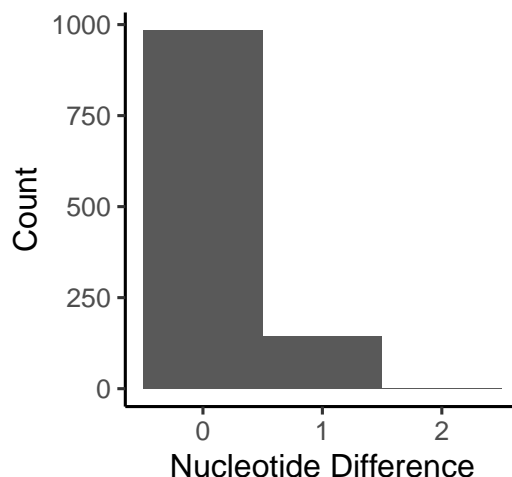
TRBV6–9*ap01

132 sequences assigned
80 (60.6%) exact matches, in which:
79 unique CDR3
12 unique J



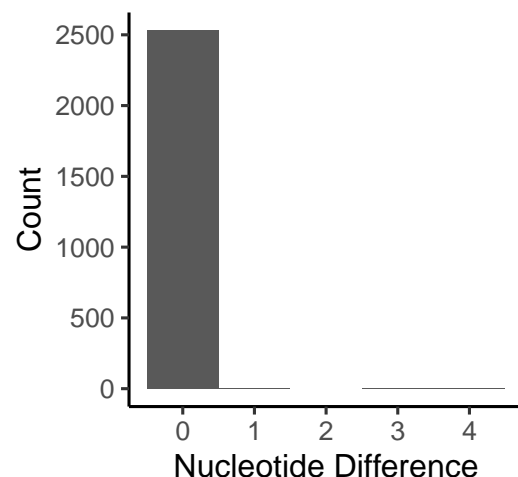
TRBV6–56*ap02

1128 sequences assigned
984 (87.2%) exact matches, in which:
980 unique CDR3
13 unique J



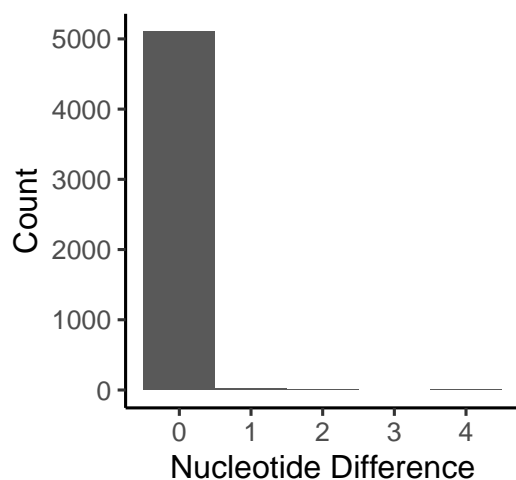
TRBV7–3*ap01

2539 sequences assigned
2531 (99.7%) exact matches, in which:
2523 unique CDR3
13 unique J



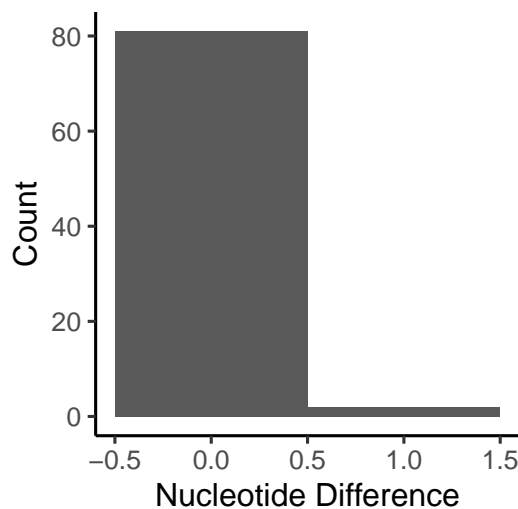
TRBV6–23*ap01

5121 sequences assigned
5102 (99.6%) exact matches, in which:
5080 unique CDR3
13 unique J



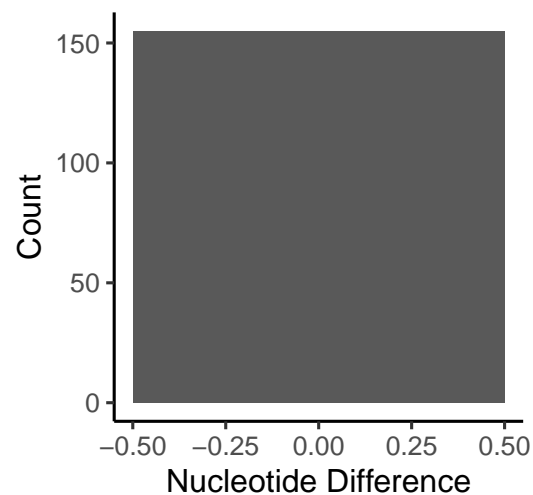
TRBV7–1*ap01_G291C_T

83 sequences assigned
81 (97.6%) exact matches, in which:
81 unique CDR3
11 unique J



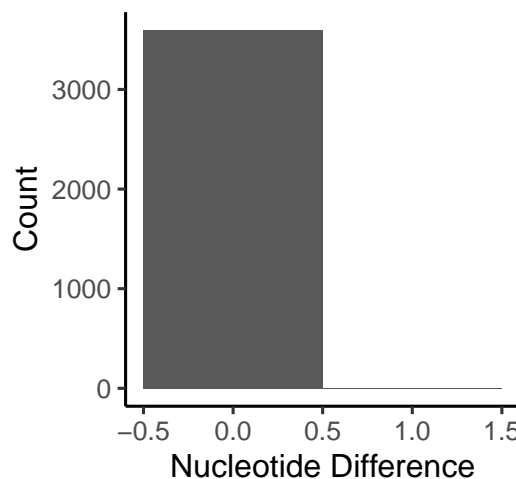
TRBV7–4*ap01

155 sequences assigned
155 (100%) exact matches, in which:
155 unique CDR3
12 unique J



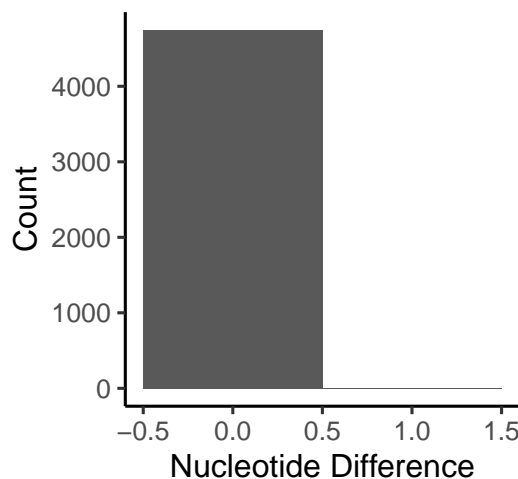
TRBV6–56*ap01

3601 sequences assigned
3596 (99.9%) exact matches, in which:
3582 unique CDR3
13 unique J



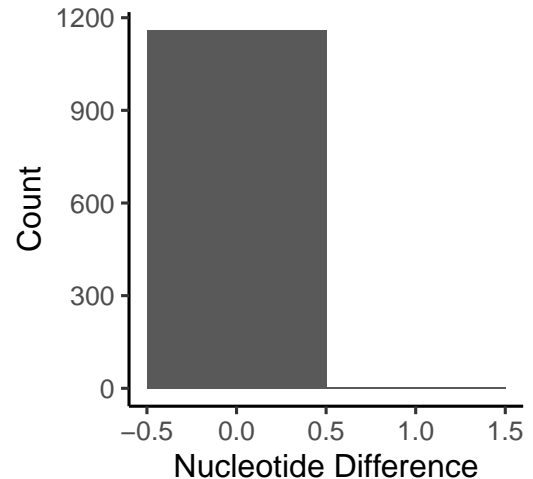
TRBV7–2*ap01

4753 sequences assigned
4745 (99.8%) exact matches, in which:
4737 unique CDR3
13 unique J



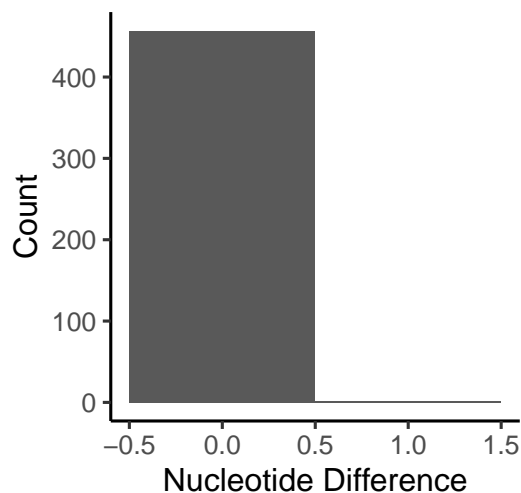
TRBV7–6*ap01

1165 sequences assigned
1160 (99.6%) exact matches, in which:
1160 unique CDR3
13 unique J



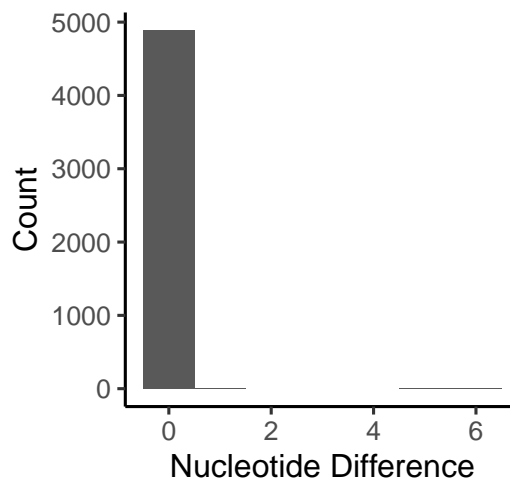
TRBV7-7*ap01_C315T

459 sequences assigned
457 (99.6%) exact matches, in which:
456 unique CDR3
12 unique J



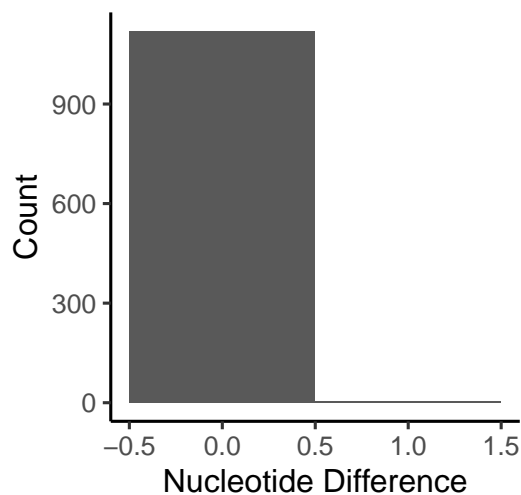
TRBV7-9*ap01

4898 sequences assigned
4887 (99.8%) exact matches, in which:
4880 unique CDR3
13 unique J



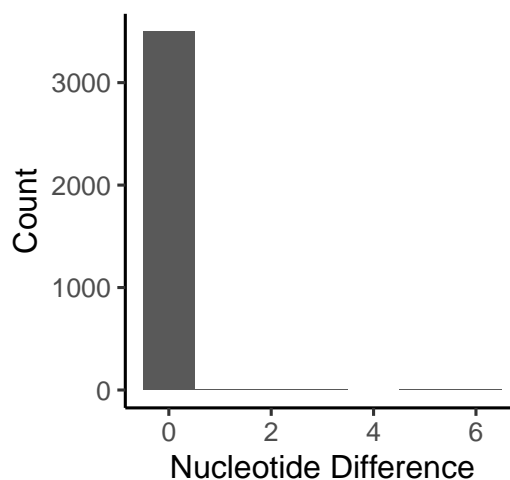
TRBV7-8*ap01

1124 sequences assigned
1120 (99.6%) exact matches, in which:
1118 unique CDR3
13 unique J



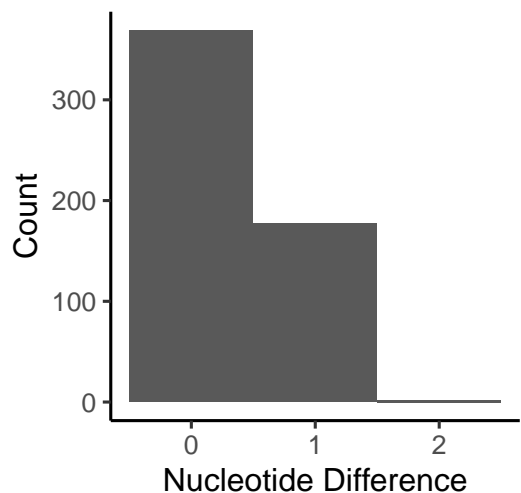
TRBV29-1*ap01

3511 sequences assigned
3497 (99.6%) exact matches, in which:
3487 unique CDR3
12 unique J

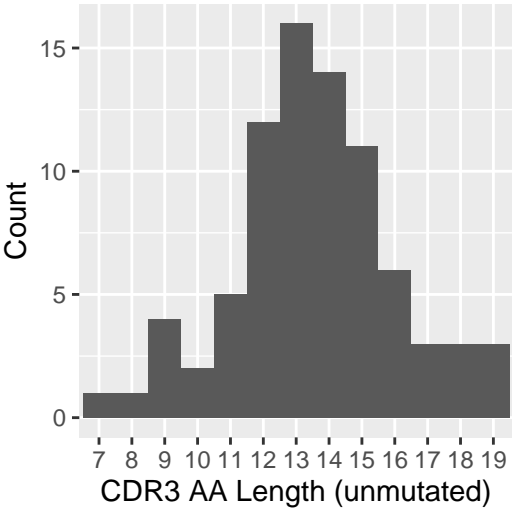


TRBV7-8*ap03

548 sequences assigned
369 (67.3%) exact matches, in which:
369 unique CDR3
12 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

