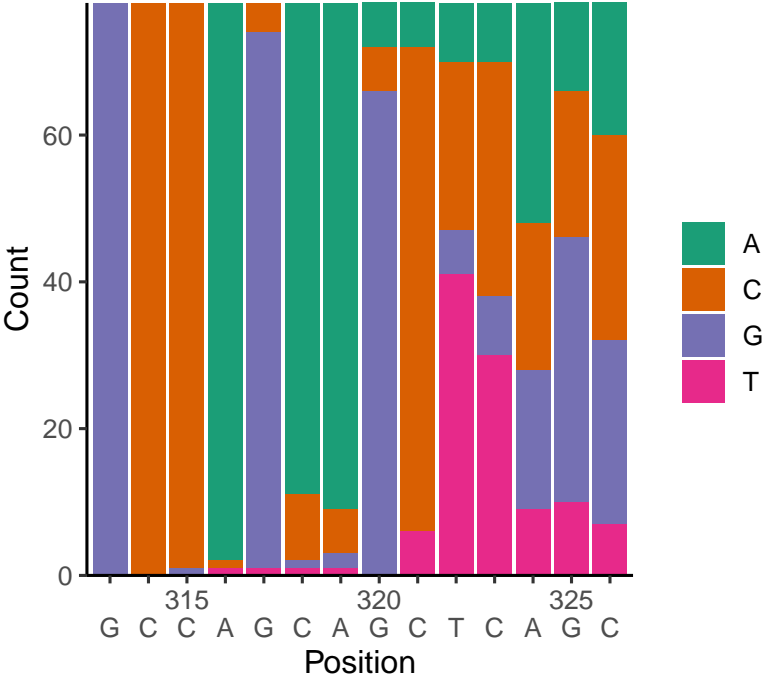
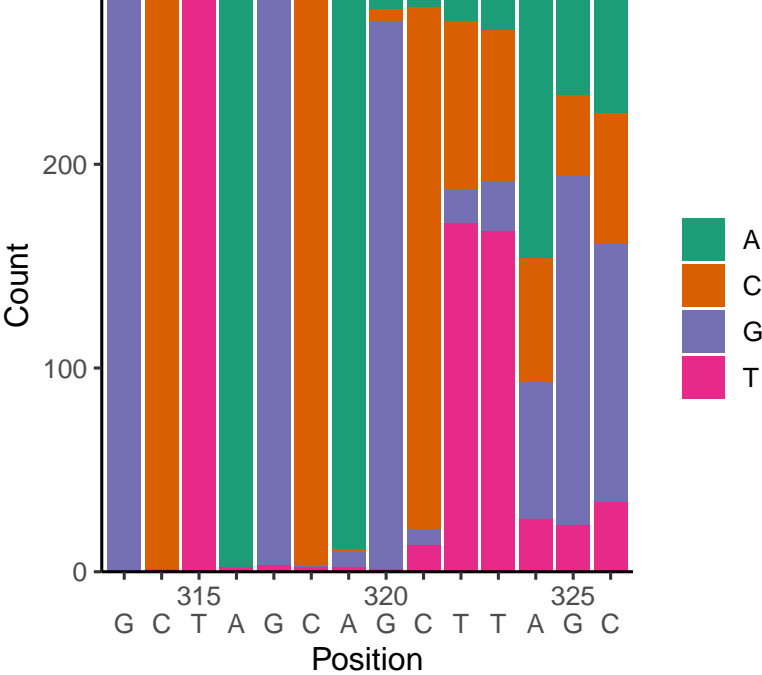


Gene TRBV7-1*ap01_G291C_T296C



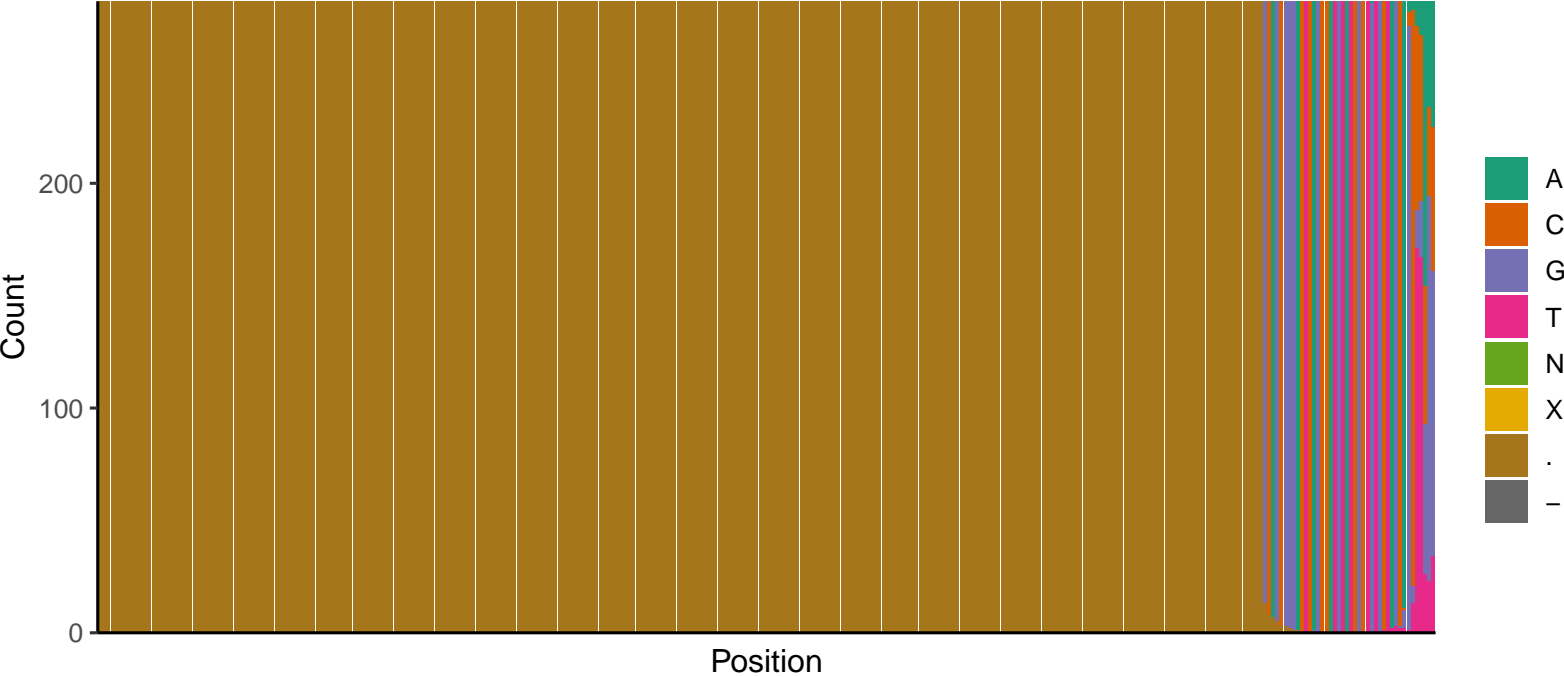
Gene TRBV7-7*ap01_C315T



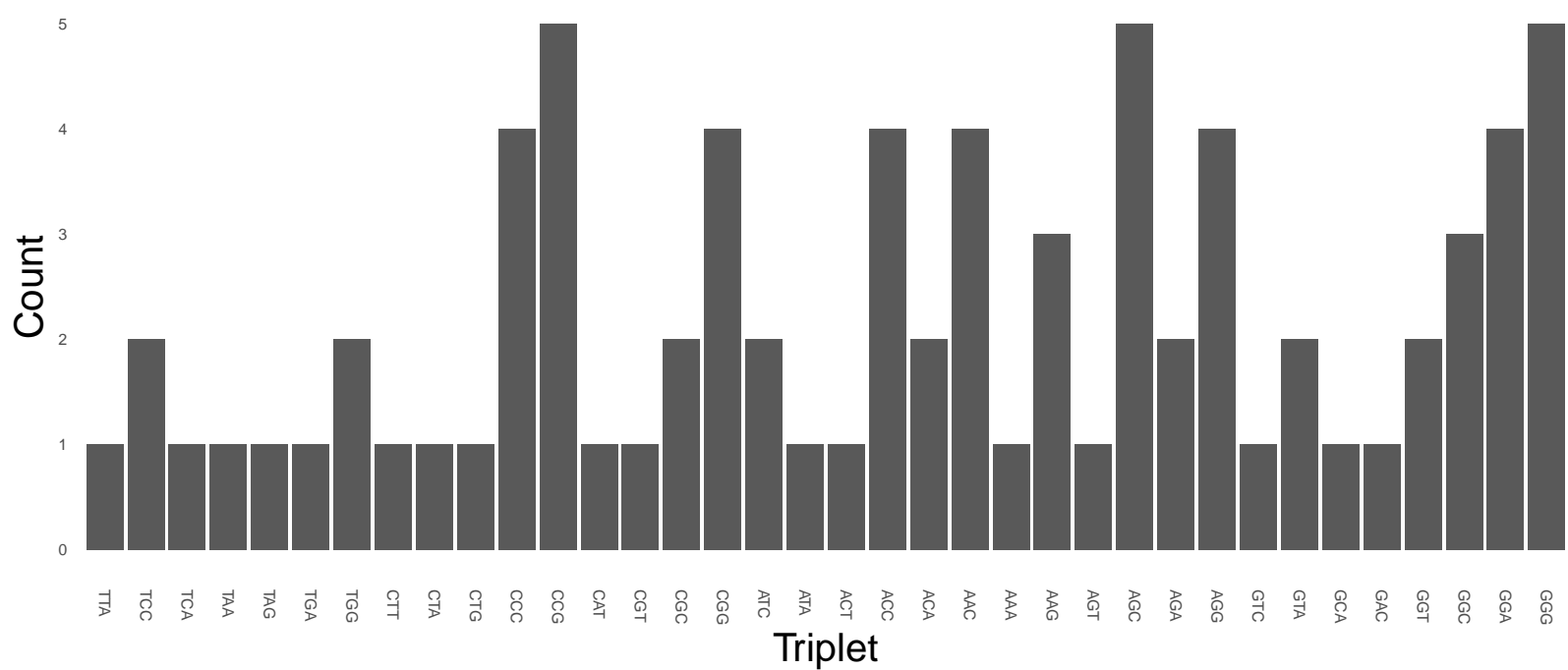
Gene TRBV7-1*ap01_G291C_T296C



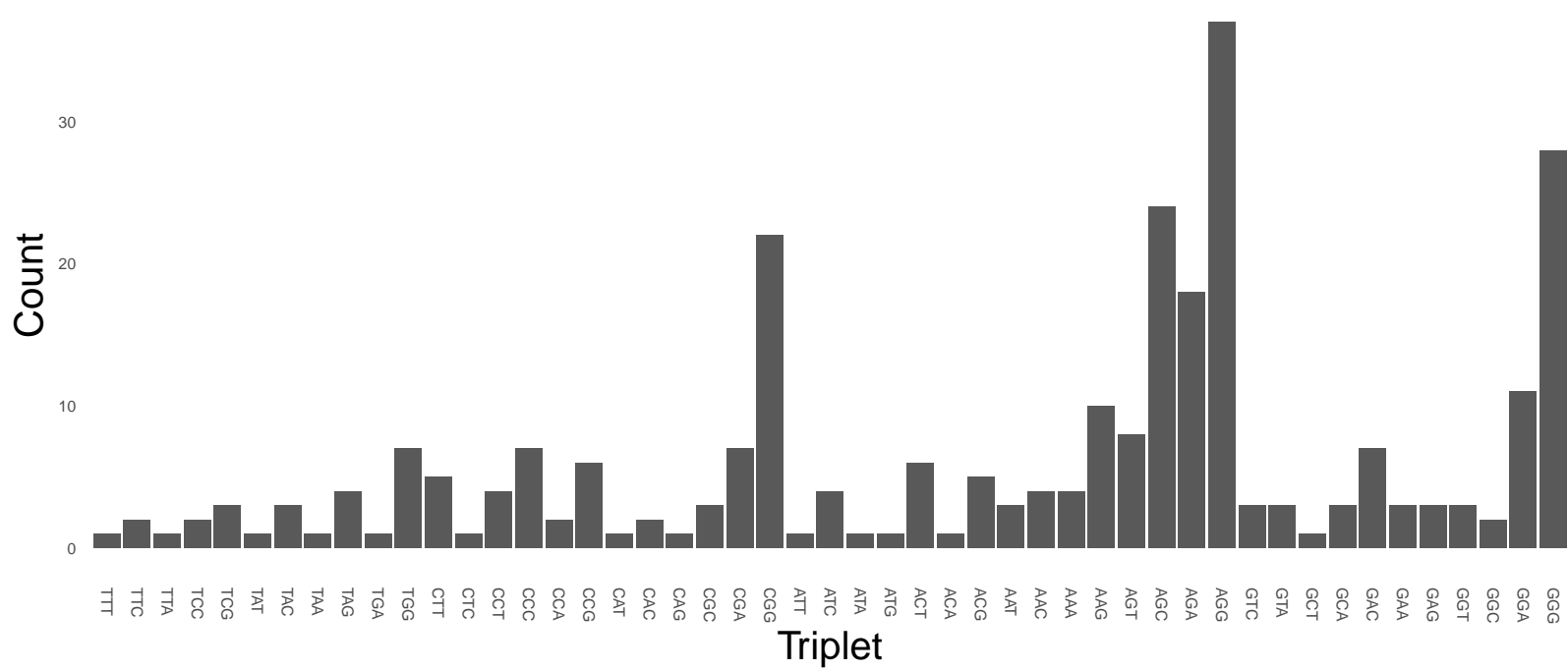
Gene TRBV7-7*ap01_C315T



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

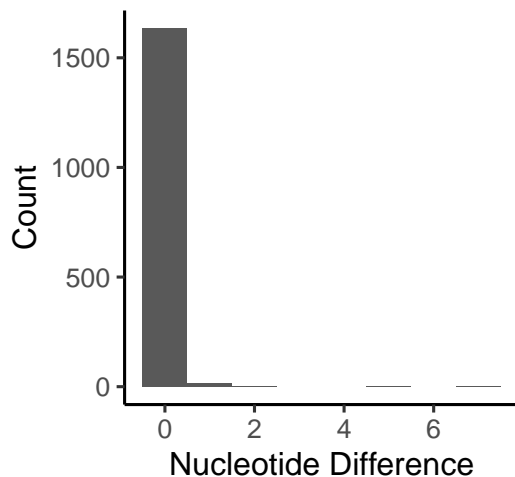


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



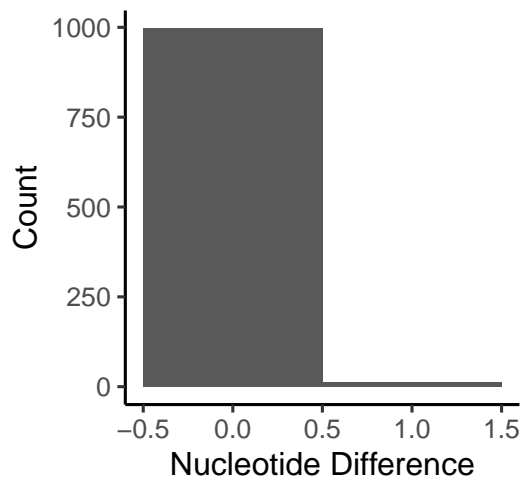
TRBV10-1*ap01

1653 sequences assigned
1634 (98.9%) exact matches, in which:
1605 unique CDR3
13 unique J



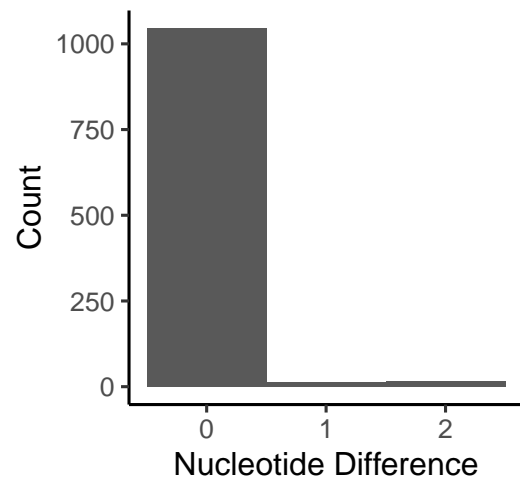
TRBV10-2*ap01

1010 sequences assigned
997 (98.7%) exact matches, in which:
978 unique CDR3
13 unique J



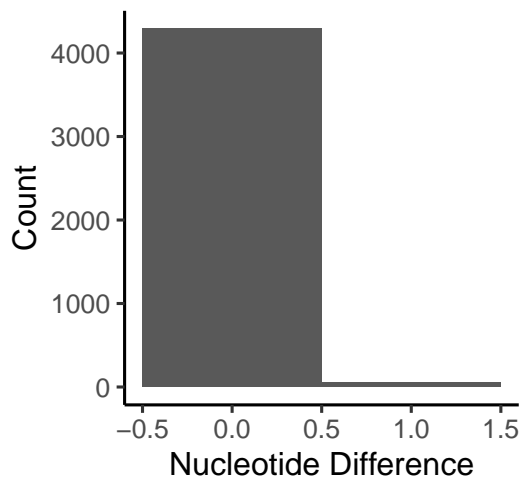
TRBV13*ap01

1076 sequences assigned
1045 (97.1%) exact matches, in which:
1022 unique CDR3
13 unique J



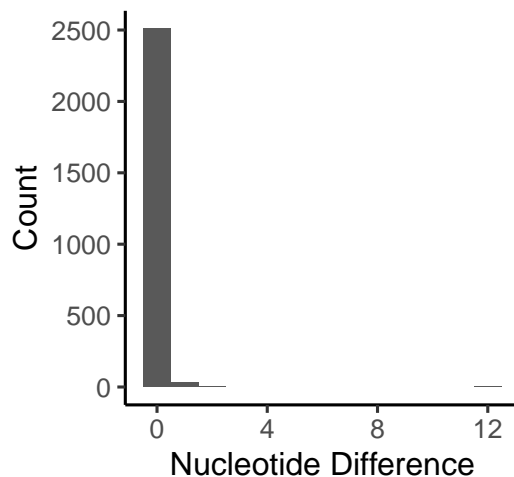
TRBV20-1*ap01

4343 sequences assigned
4291 (98.8%) exact matches, in which:
4202 unique CDR3
13 unique J



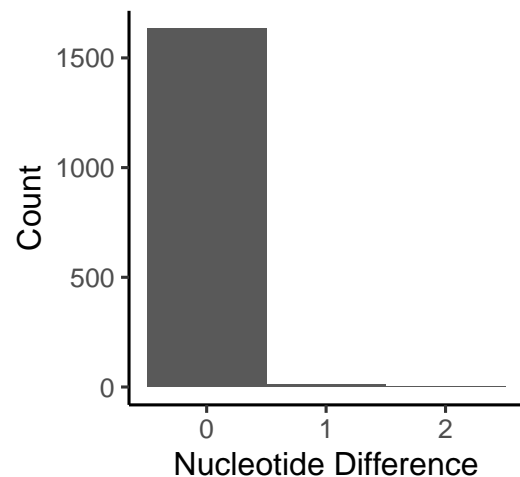
TRBV10-3*ap01

2540 sequences assigned
2509 (98.8%) exact matches, in which:
2457 unique CDR3
13 unique J



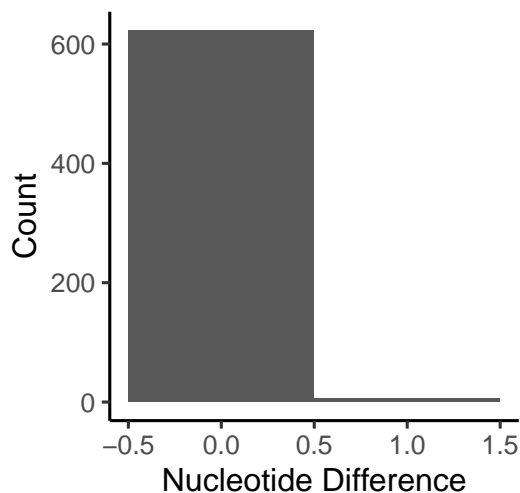
TRBV14*ap01

1647 sequences assigned
1633 (99.1%) exact matches, in which:
1597 unique CDR3
13 unique J



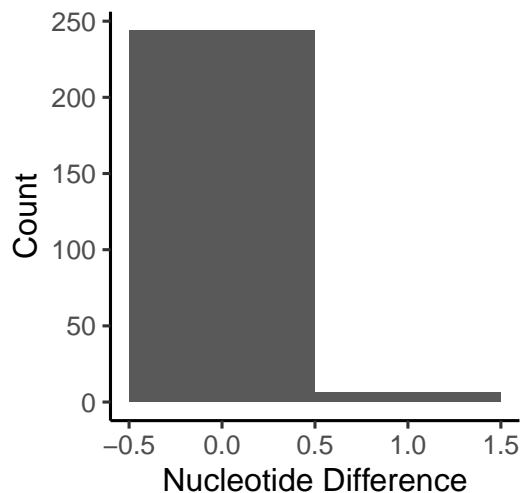
TRBV20-1*ap02

629 sequences assigned
623 (99%) exact matches, in which:
611 unique CDR3
13 unique J



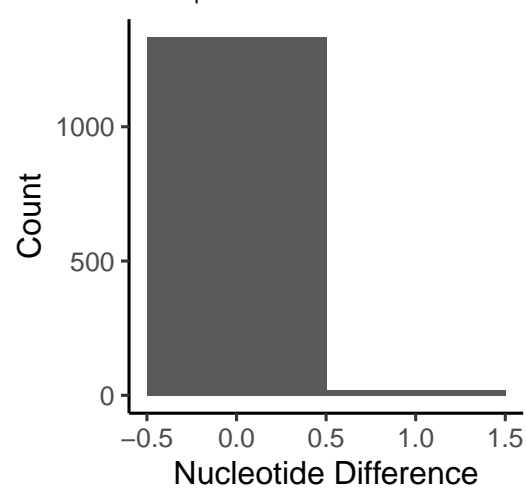
TRBV1*ap01

250 sequences assigned
244 (97.6%) exact matches, in which:
241 unique CDR3
13 unique J



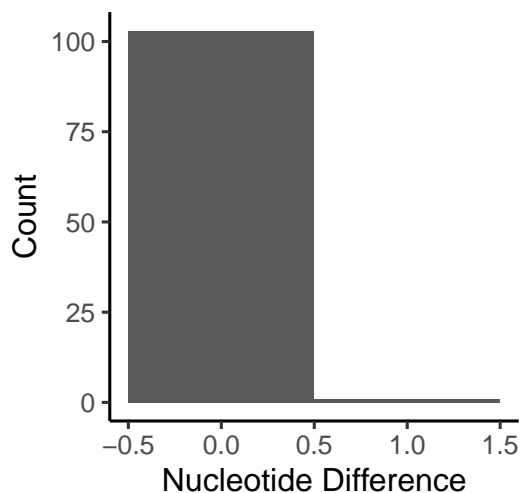
TRBV15*ap02

1354 sequences assigned
1334 (98.5%) exact matches, in which:
1303 unique CDR3
13 unique J



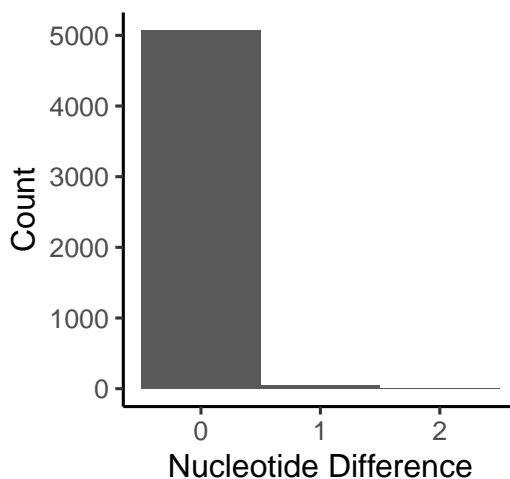
TRBV16*ap01

104 sequences assigned
103 (99%) exact matches, in which:
103 unique CDR3
12 unique J



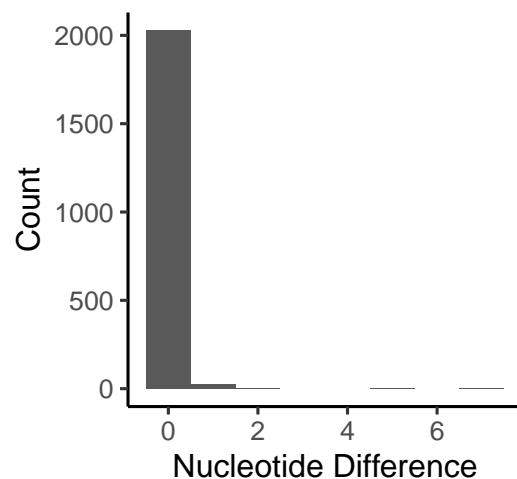
TRBV2*ap01

5122 sequences assigned
5070 (99%) exact matches, in which:
4979 unique CDR3
13 unique J



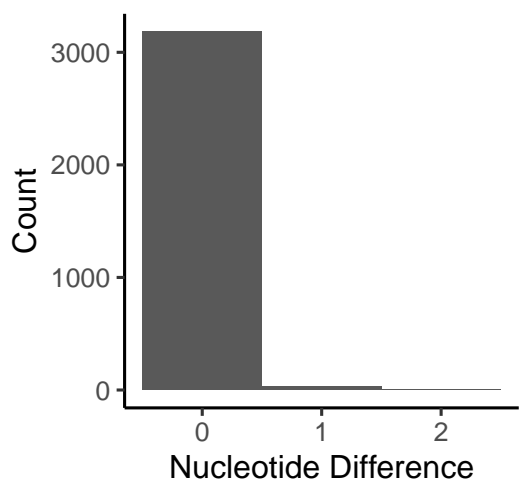
TRBV30*ap01

2059 sequences assigned
2028 (98.5%) exact matches, in which:
2013 unique CDR3
13 unique J



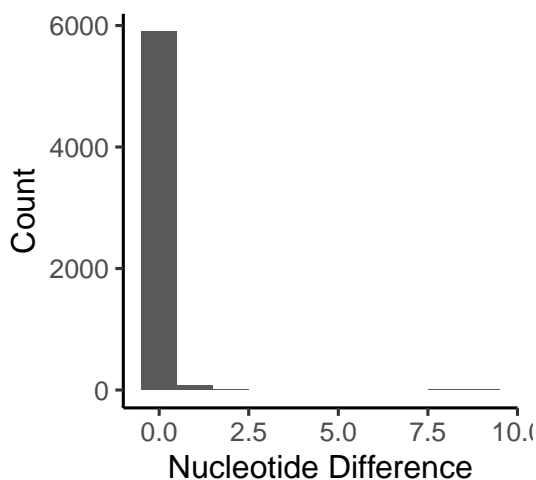
TRBV18*ap01

3216 sequences assigned
3183 (99%) exact matches, in which:
3127 unique CDR3
13 unique J



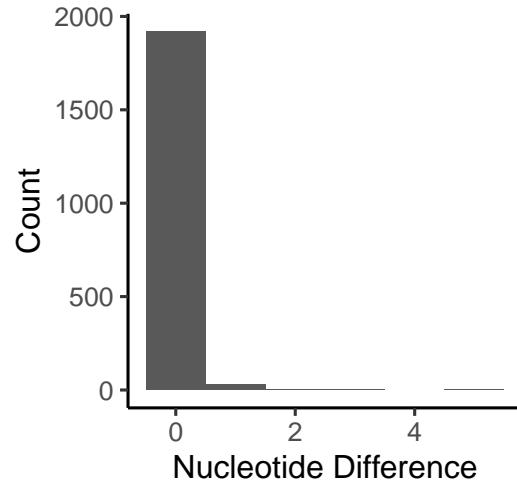
TRBV27*ap01

5970 sequences assigned
5898 (98.8%) exact matches, in which:
5786 unique CDR3
13 unique J



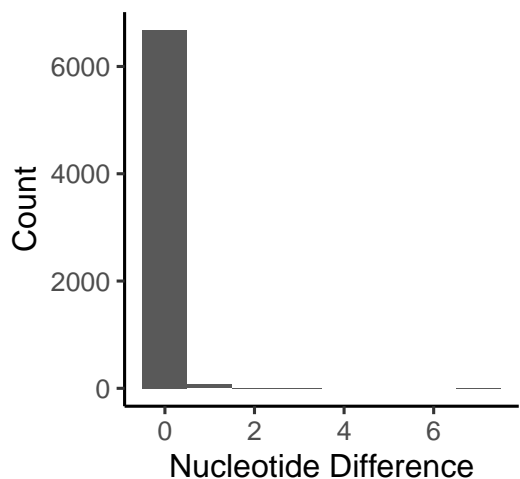
TRBV30*ap02

1948 sequences assigned
1918 (98.5%) exact matches, in which:
1908 unique CDR3
13 unique J



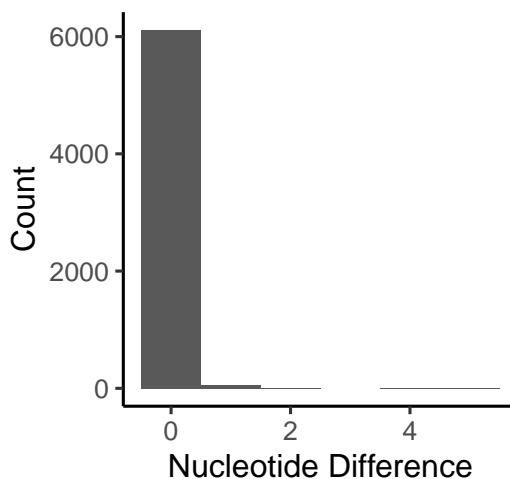
TRBV19*ap01

6755 sequences assigned
6679 (98.9%) exact matches, in which:
6566 unique CDR3
13 unique J



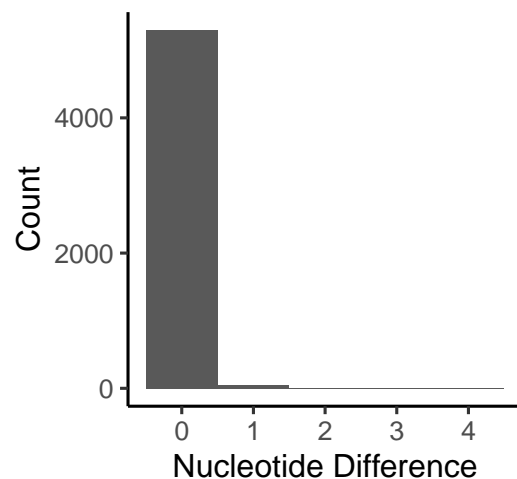
TRBV28*ap01

6177 sequences assigned
6112 (98.9%) exact matches, in which:
5992 unique CDR3
13 unique J



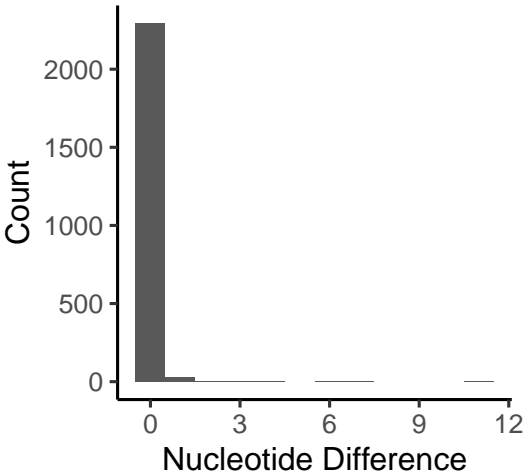
TRBV9*ap01

5355 sequences assigned
5299 (99%) exact matches, in which:
5195 unique CDR3
13 unique J



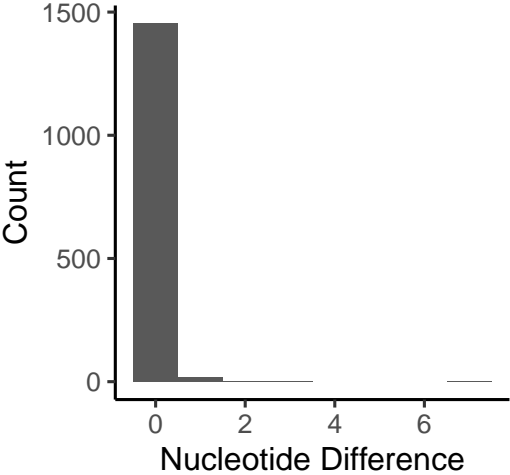
TRBV21-1*ap01

2337 sequences assigned
2293 (98.1%) exact matches, in which:
2238 unique CDR3
13 unique J



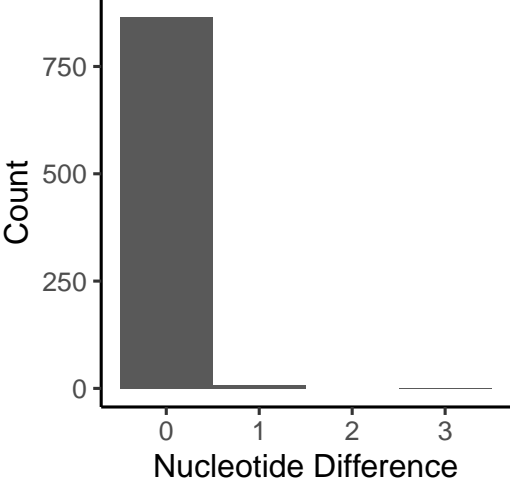
TRBV11-3*ap01

1474 sequences assigned
1454 (98.6%) exact matches, in which:
1436 unique CDR3
13 unique J



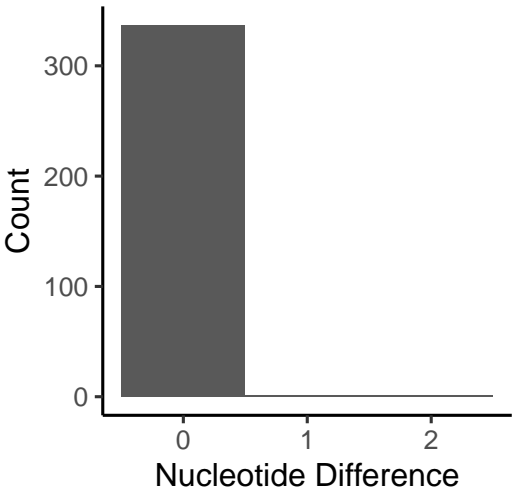
TRBV12-5*ap01

874 sequences assigned
866 (99.1%) exact matches, in which:
847 unique CDR3
13 unique J



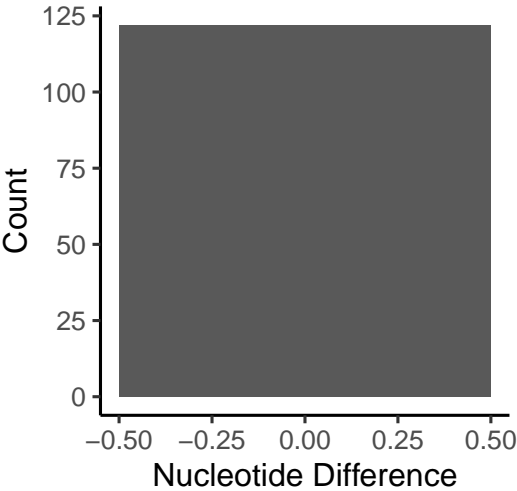
TRBV11-1*ap01

339 sequences assigned
337 (99.4%) exact matches, in which:
330 unique CDR3
13 unique J



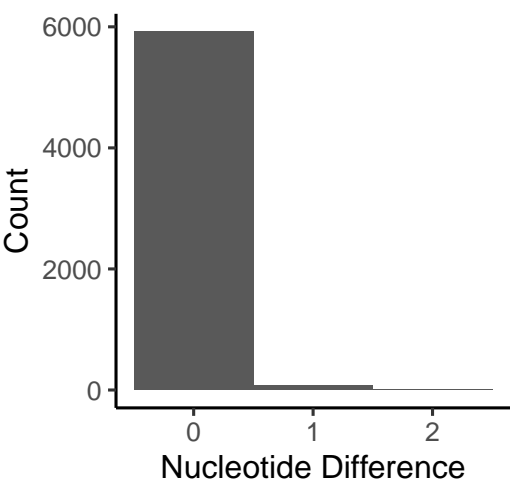
TRBV12-1*ap01

122 sequences assigned
122 (100%) exact matches, in which:
121 unique CDR3
12 unique J



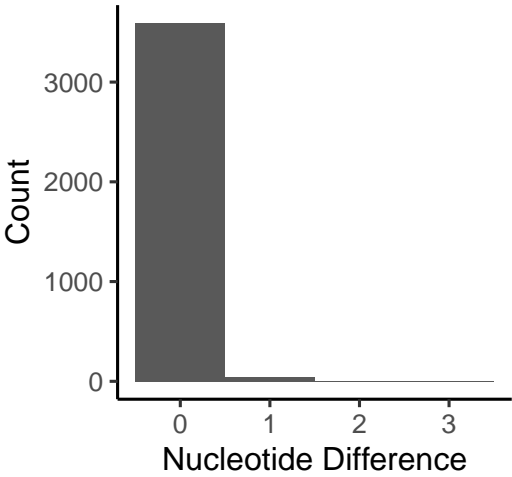
TRBV12-34*ap01

5994 sequences assigned
5919 (98.7%) exact matches, in which:
5808 unique CDR3
13 unique J



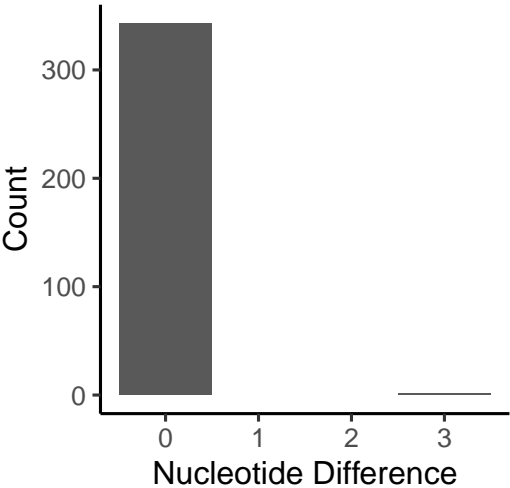
TRBV11-2*ap01

3636 sequences assigned
3592 (98.8%) exact matches, in which:
3500 unique CDR3
13 unique J



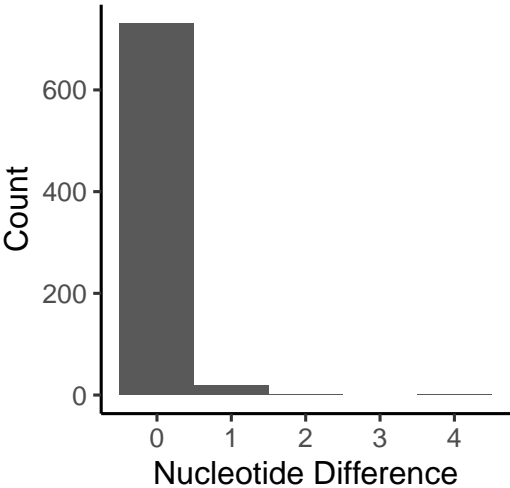
TRBV12-2*ap01

344 sequences assigned
343 (99.7%) exact matches, in which:
335 unique CDR3
13 unique J



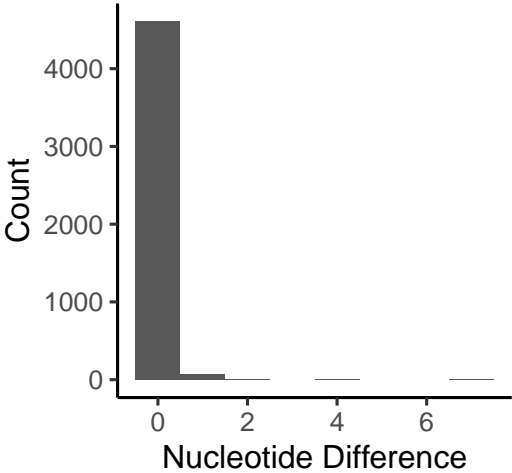
TRBV23-1*ap01

752 sequences assigned
731 (97.2%) exact matches, in which:
714 unique CDR3
13 unique J



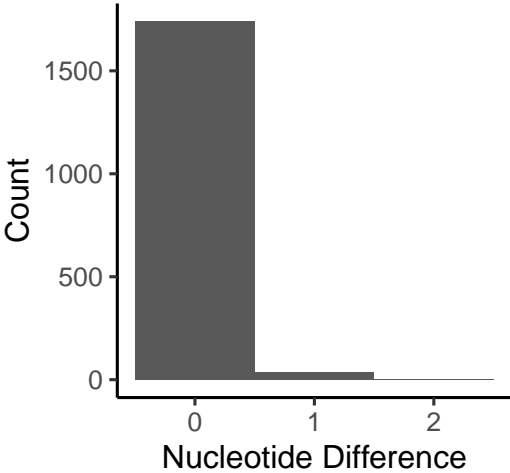
TRBV3-12*ap01

4679 sequences assigned
4608 (98.5%) exact matches, in which:
4521 unique CDR3
13 unique J



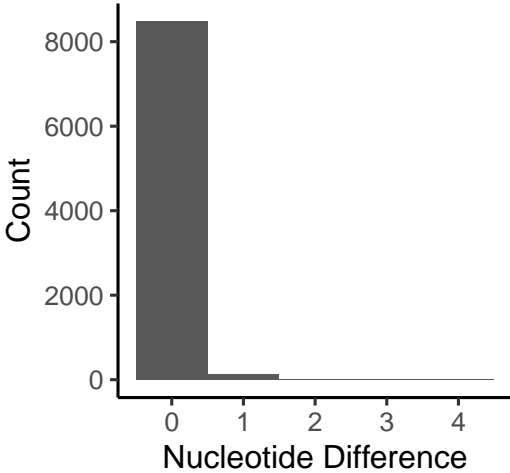
TRBV4-2*ap01

1778 sequences assigned
1740 (97.9%) exact matches, in which:
1716 unique CDR3
13 unique J



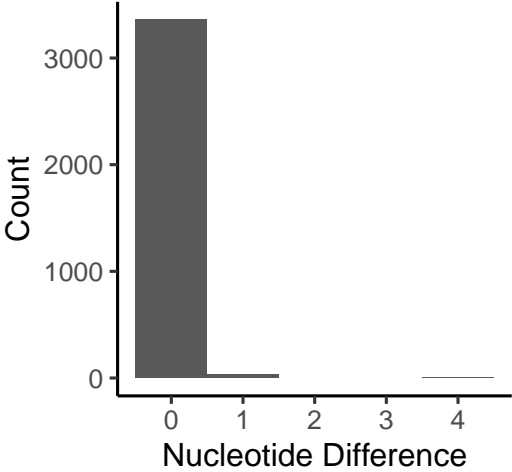
TRBV5-1*ap01

8617 sequences assigned
8480 (98.4%) exact matches, in which:
8272 unique CDR3
13 unique J



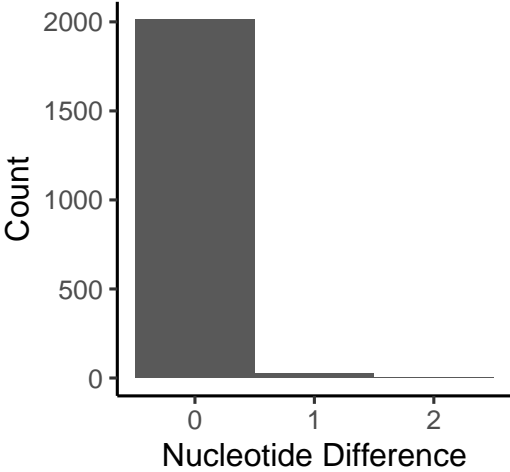
TRBV4-1*ap01

3397 sequences assigned
3359 (98.9%) exact matches, in which:
3286 unique CDR3
13 unique J



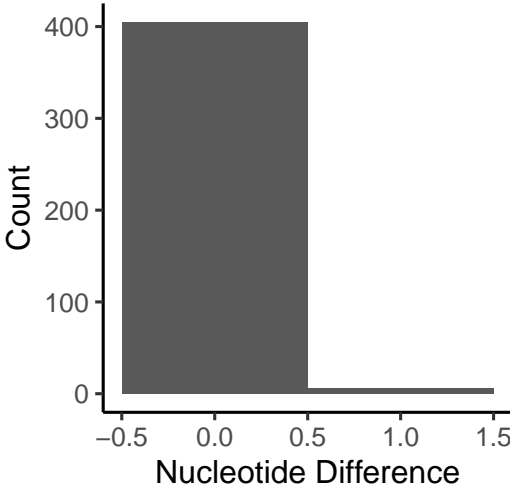
TRBV4-3*ap01

2040 sequences assigned
2012 (98.6%) exact matches, in which:
1987 unique CDR3
13 unique J



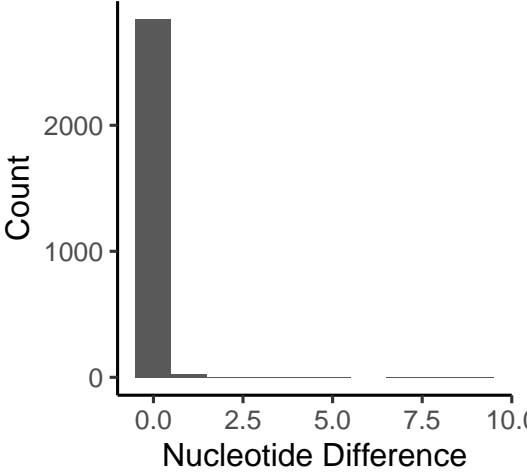
TRBV5-3*ap01

411 sequences assigned
405 (98.5%) exact matches, in which:
396 unique CDR3
13 unique J



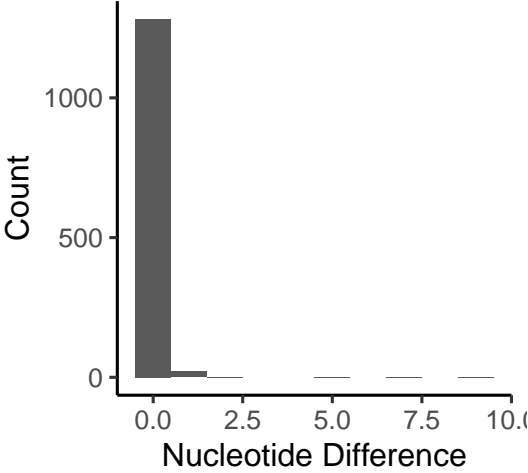
TRBV24-1*ap01

2877 sequences assigned
2843 (98.8%) exact matches, in which:
2802 unique CDR3
13 unique J



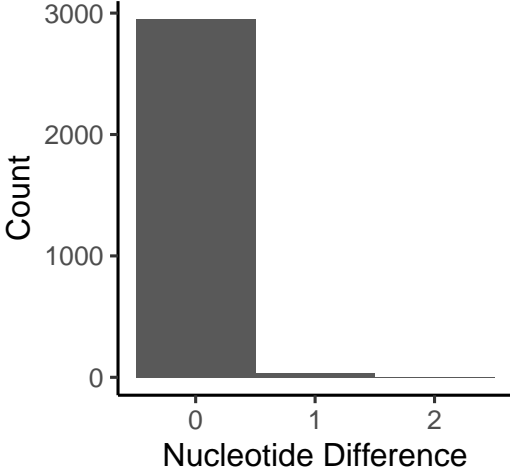
TRBV25-1*ap01

1307 sequences assigned
1282 (98.1%) exact matches, in which:
1265 unique CDR3
13 unique J



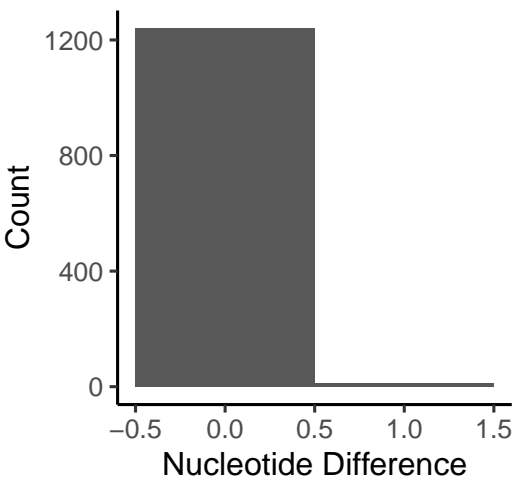
TRBV5-4*ap01

2989 sequences assigned
2951 (98.7%) exact matches, in which:
2885 unique CDR3
13 unique J



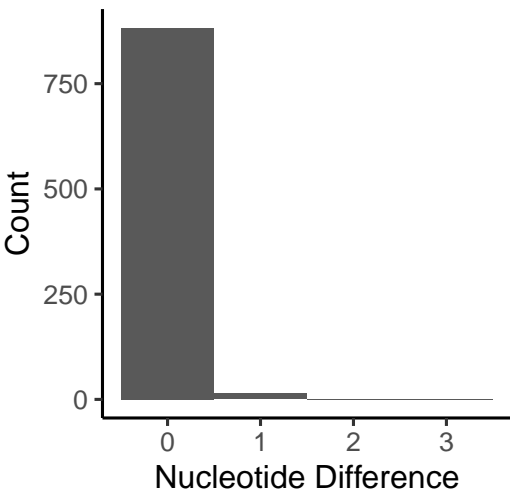
TRBV5-5*ap01

1251 sequences assigned
1240 (99.1%) exact matches, in which:
1216 unique CDR3
13 unique J



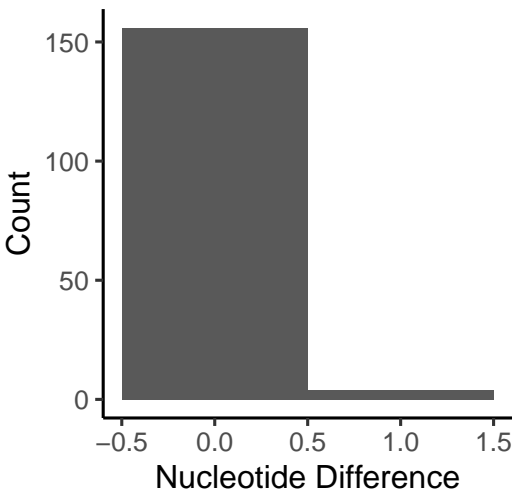
TRBV5-8*ap01

899 sequences assigned
883 (98.2%) exact matches, in which:
866 unique CDR3
13 unique J



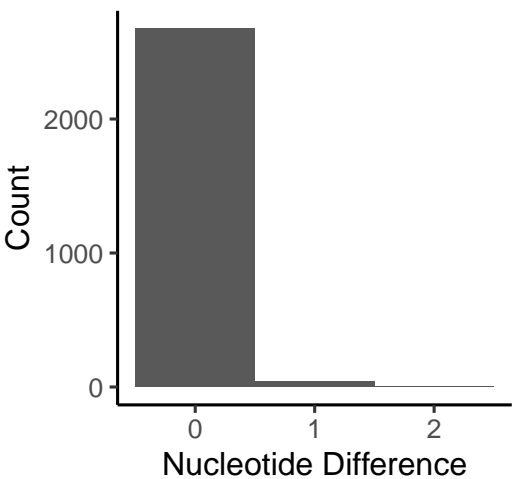
TRBV6-7*ap01

160 sequences assigned
156 (97.5%) exact matches, in which:
151 unique CDR3
13 unique J



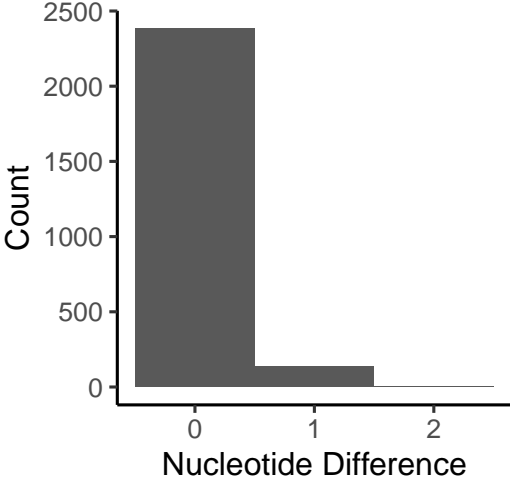
TRBV5-6*ap01

2713 sequences assigned
2674 (98.6%) exact matches, in which:
2615 unique CDR3
13 unique J



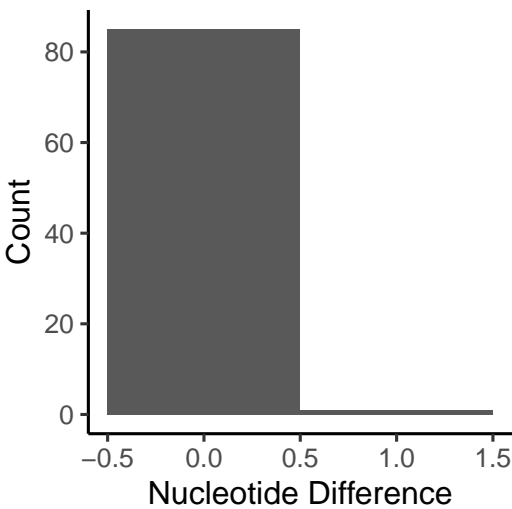
TRBV6-1*ap01

2523 sequences assigned
2382 (94.4%) exact matches, in which:
2335 unique CDR3
13 unique J



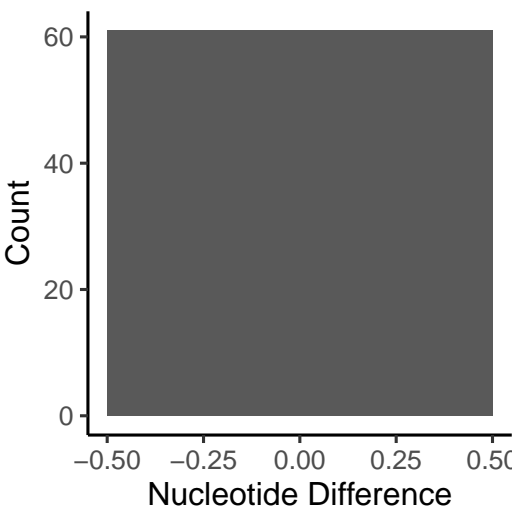
TRBV6-8*ap01

86 sequences assigned
85 (98.8%) exact matches, in which:
83 unique CDR3
13 unique J



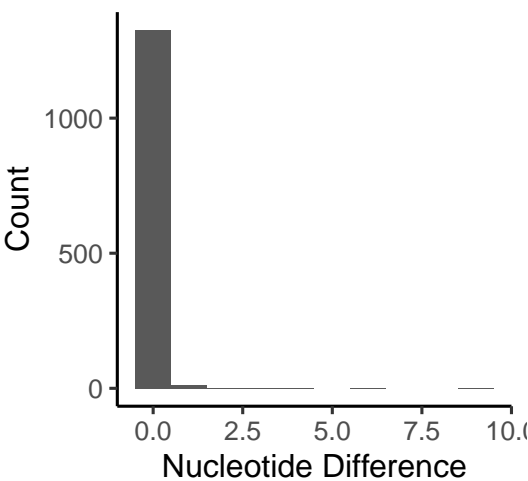
TRBV5-7*ap01

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



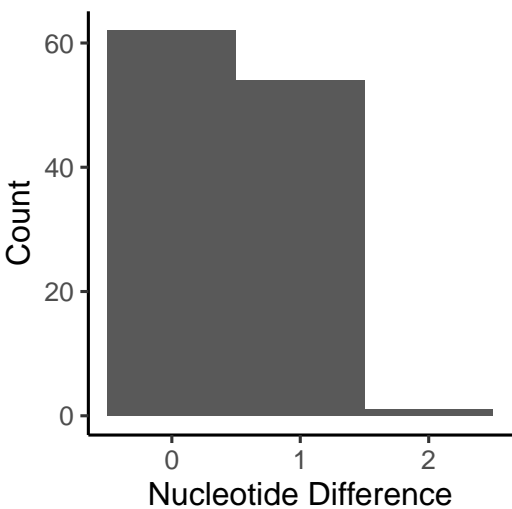
TRBV6-4*ap01

1344 sequences assigned
1326 (98.7%) exact matches, in which:
1300 unique CDR3
13 unique J



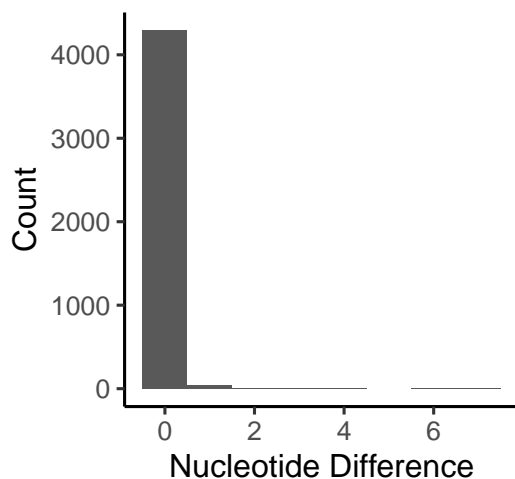
TRBV6-9*ap01

117 sequences assigned
62 (53%) exact matches, in which:
61 unique CDR3
13 unique J



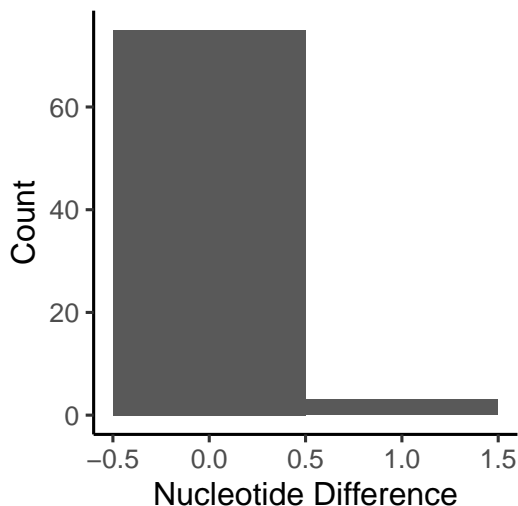
TRBV6-23*ap01

4339 sequences assigned
4292 (98.9%) exact matches, in which:
4212 unique CDR3
13 unique J



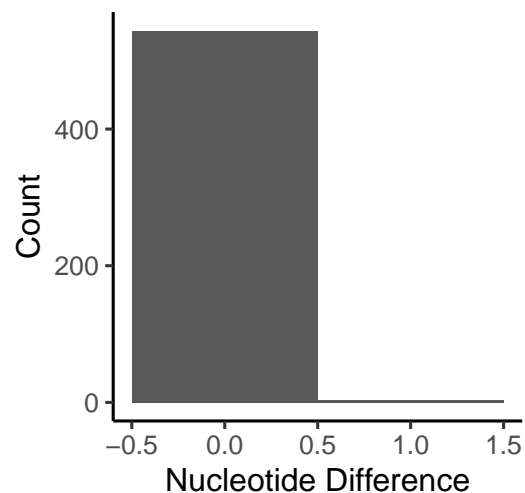
TRBV7-1*ap01_G291C_T

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



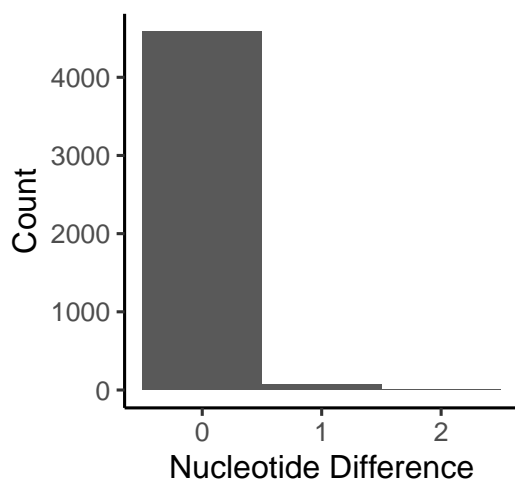
TRBV7-3*ap02

548 sequences assigned
544 (99.3%) exact matches, in which:
536 unique CDR3
13 unique J



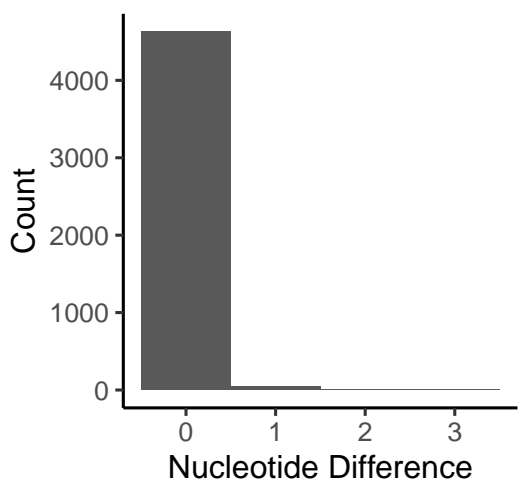
TRBV6-56*ap01

4649 sequences assigned
4583 (98.6%) exact matches, in which:
4488 unique CDR3
13 unique J



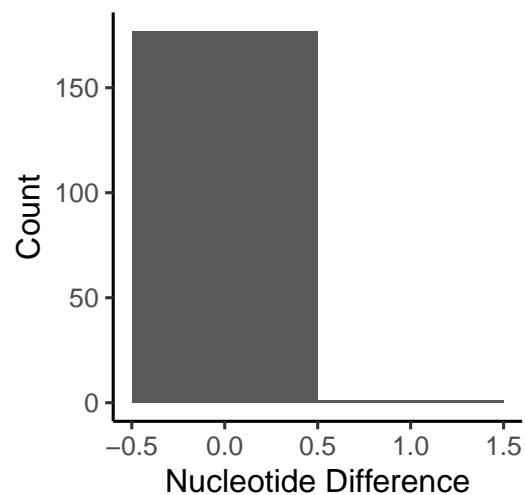
TRBV7-2*ap01

4673 sequences assigned
4628 (99%) exact matches, in which:
4544 unique CDR3
13 unique J



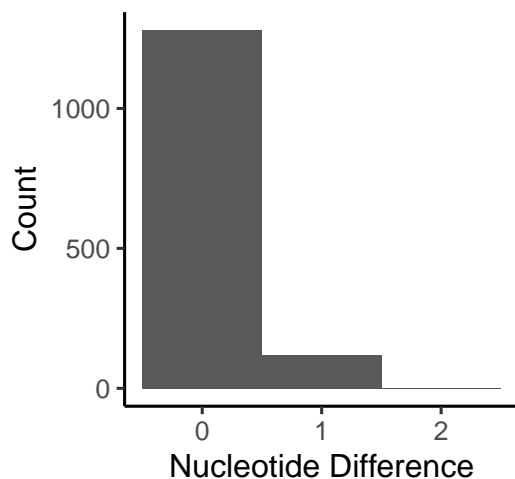
TRBV7-4*ap01

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



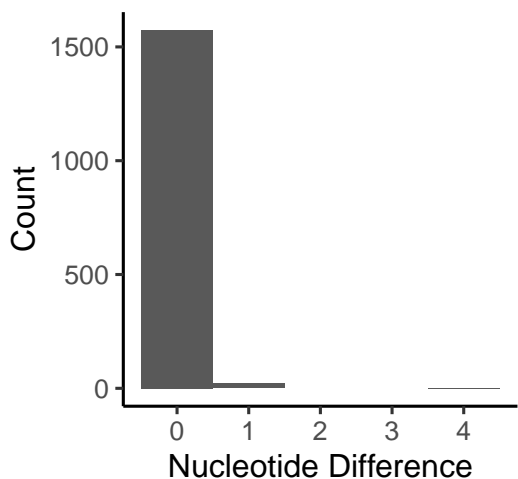
TRBV6-56*ap02

1400 sequences assigned
1280 (91.4%) exact matches, in which:
1250 unique CDR3
13 unique J



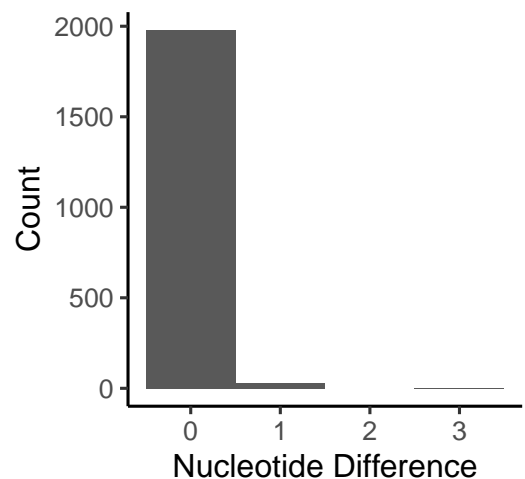
TRBV7-3*ap01

1596 sequences assigned
1574 (98.6%) exact matches, in which:
1556 unique CDR3
13 unique J



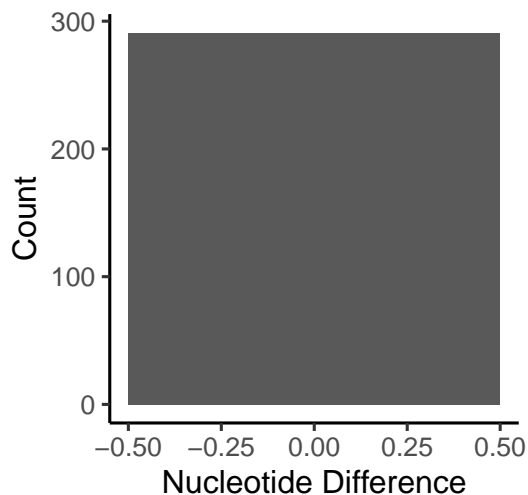
TRBV7-6*ap01

2008 sequences assigned
1979 (98.6%) exact matches, in which:
1936 unique CDR3
13 unique J



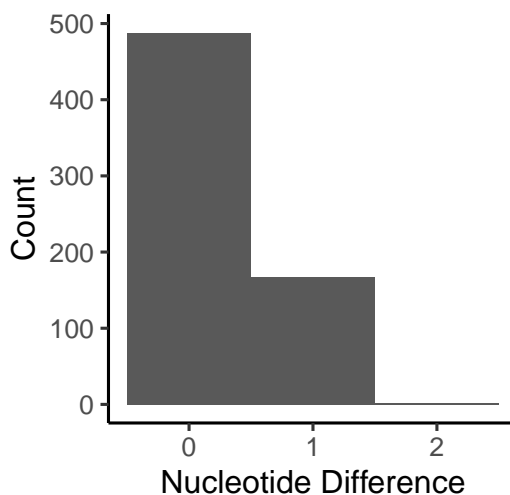
TRBV7-7*ap01

291 sequences assigned
291 (100%) exact matches, in which:
286 unique CDR3
13 unique J



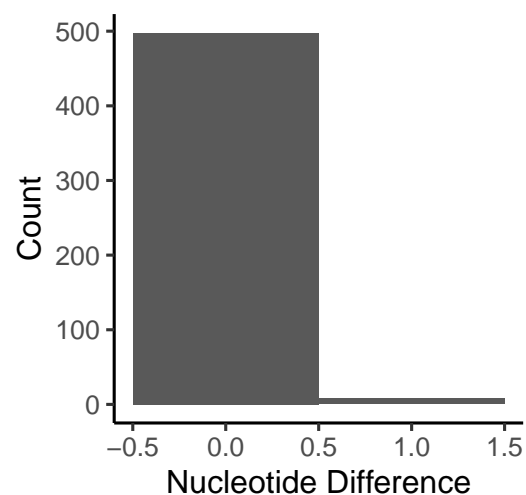
TRBV7-8*ap03

657 sequences assigned
488 (74.3%) exact matches, in which:
475 unique CDR3
13 unique J



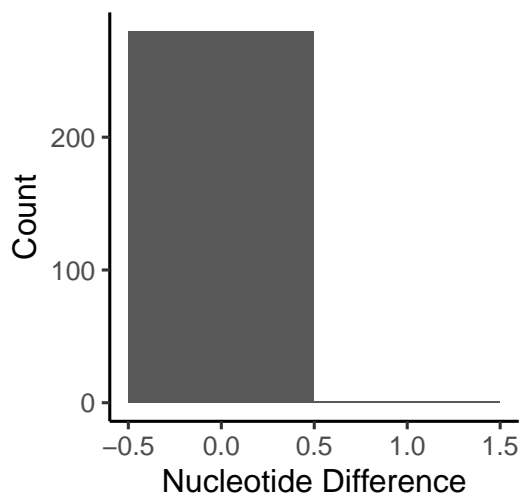
TRBV29-1*ap02

506 sequences assigned
498 (98.4%) exact matches, in which:
491 unique CDR3
13 unique J



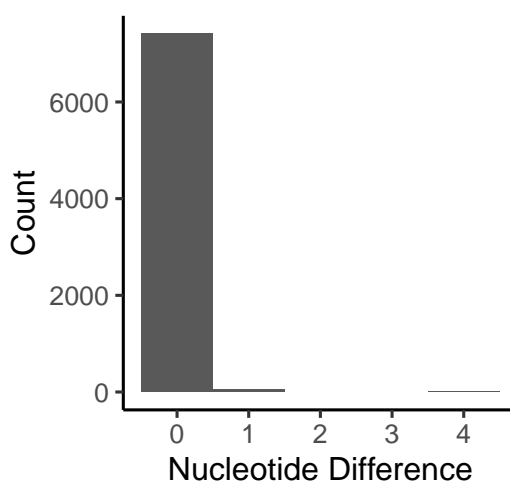
TRBV7-7*ap01_C315T

281 sequences assigned
280 (99.6%) exact matches, in which:
275 unique CDR3
12 unique J



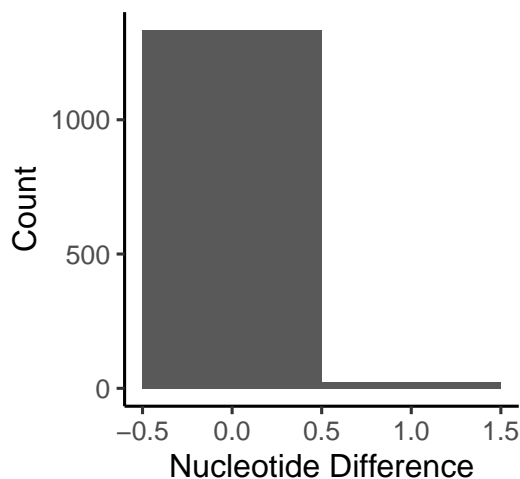
TRBV7-9*ap01

7471 sequences assigned
7412 (99.2%) exact matches, in which:
7297 unique CDR3
13 unique J



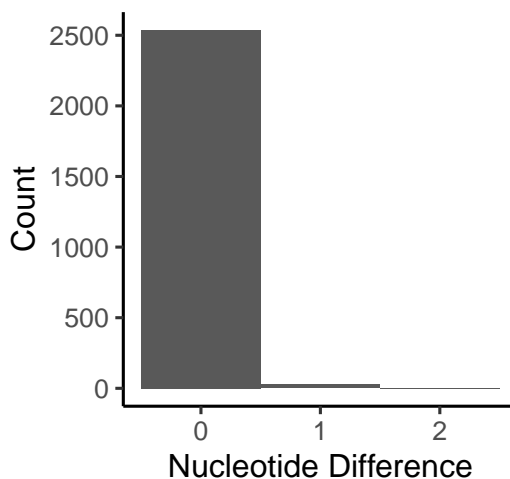
TRBV7-8*ap01

1357 sequences assigned
1334 (98.3%) exact matches, in which:
1304 unique CDR3
13 unique J

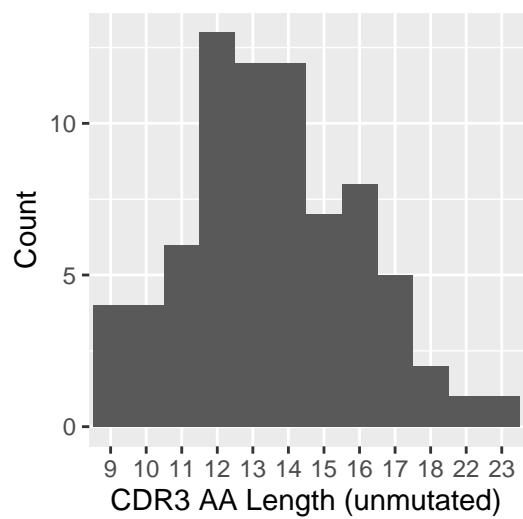


TRBV29-1*ap01

2567 sequences assigned
2537 (98.8%) exact matches, in which:
2506 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

