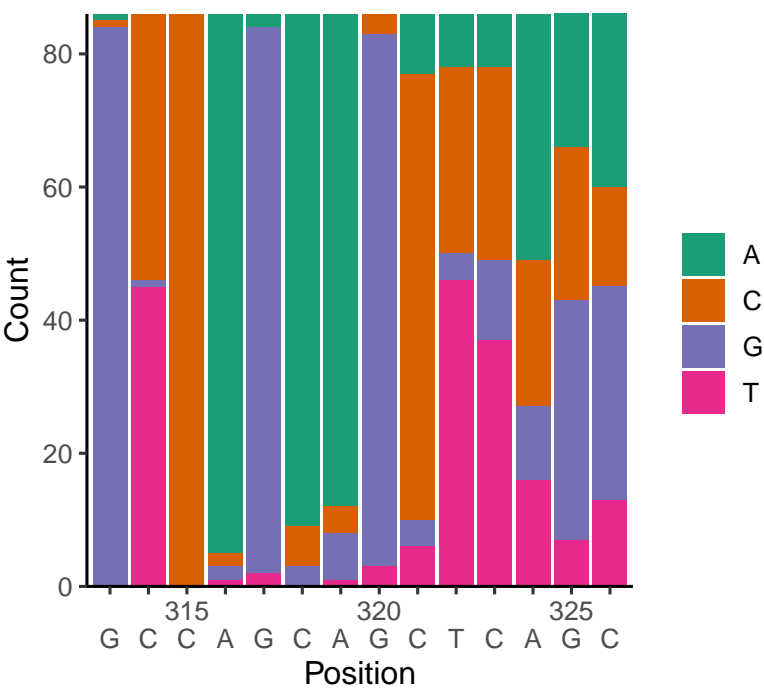
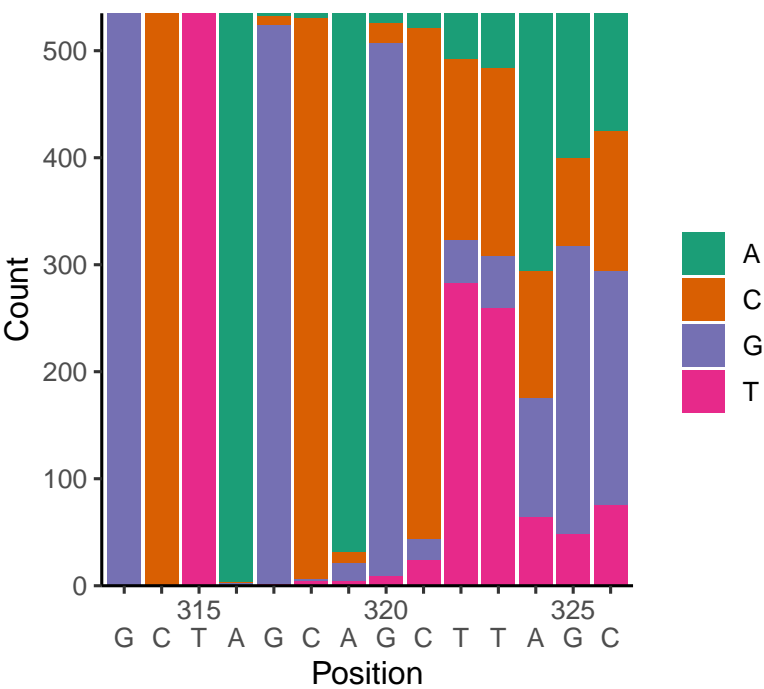


Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-7*ap01_C315T



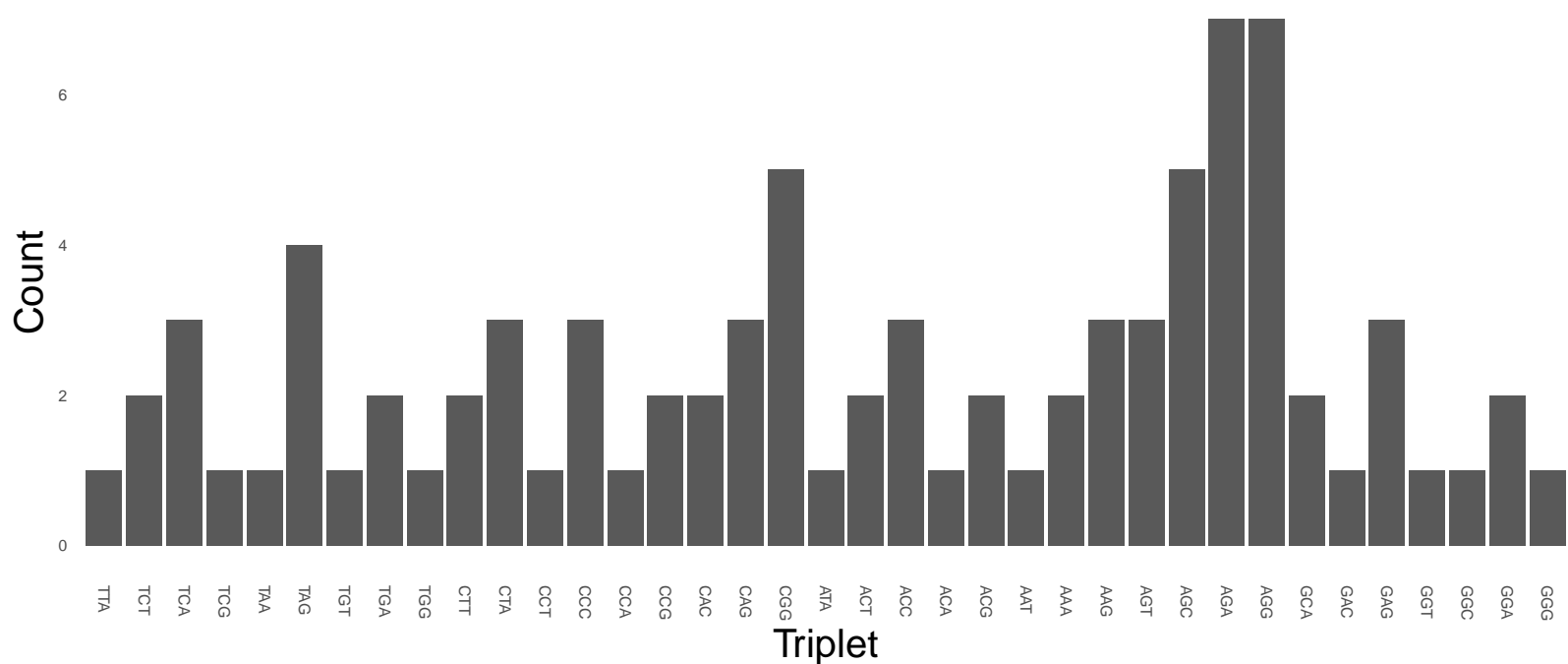
Gene TRBV7-1*ap01_G291C_T296C



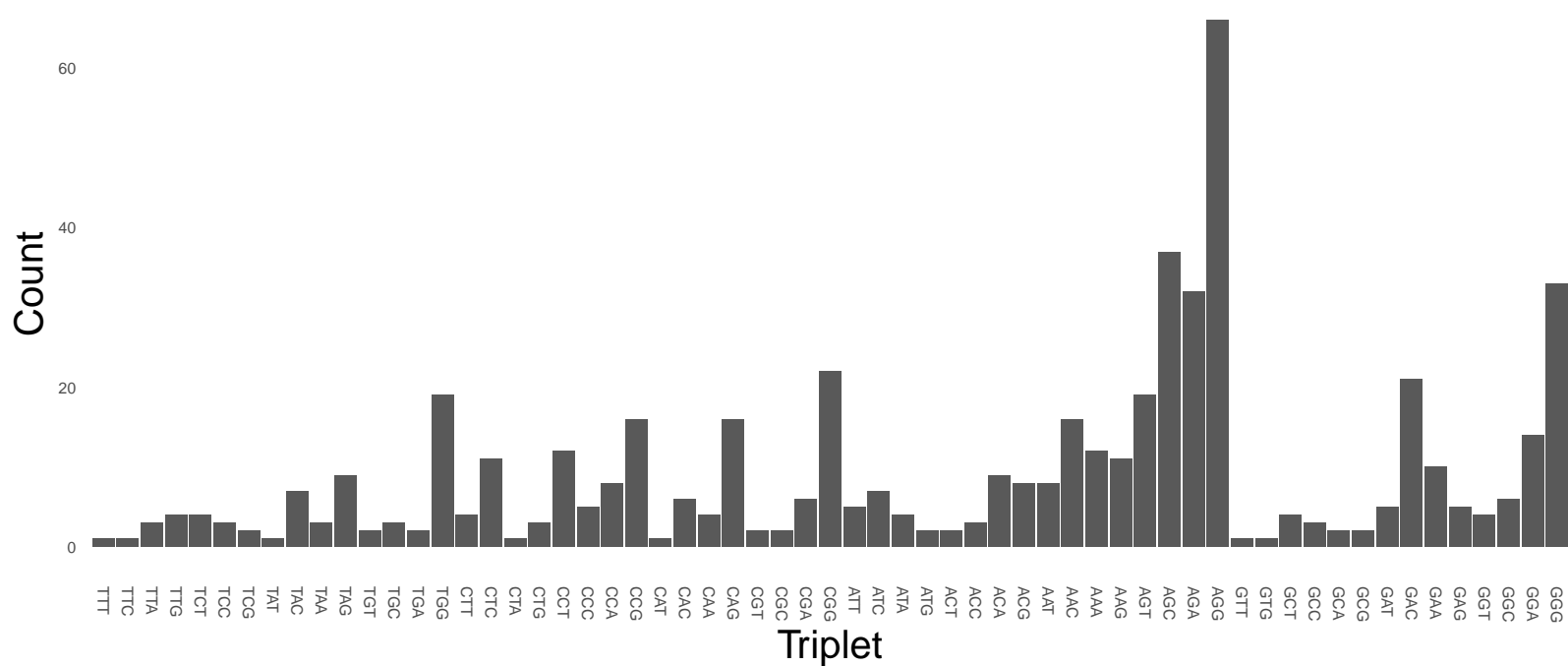
Gene TRBV7-7*ap01_C315T



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

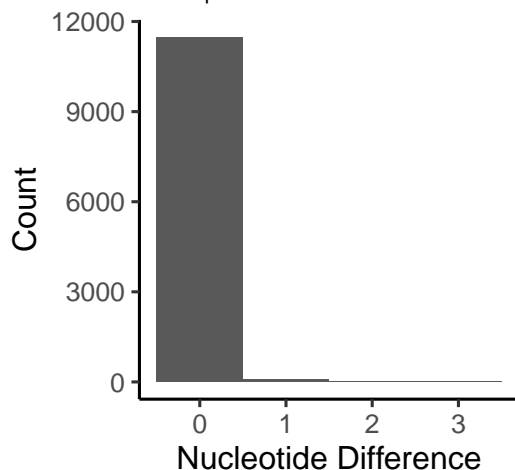


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



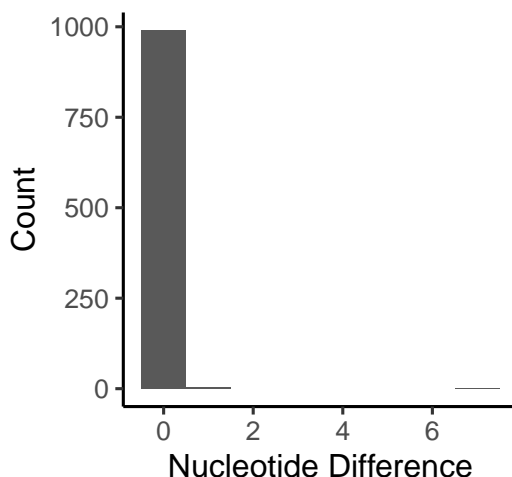
TRBV20-1*ap01

11609 sequences assigned
11479 (98.9%) exact matches, in which:
11367 unique CDR3
13 unique J



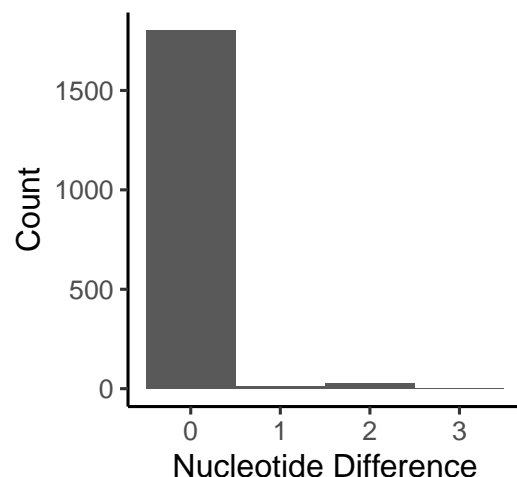
TRBV10-2*ap01

995 sequences assigned
990 (99.5%) exact matches, in which:
987 unique CDR3
13 unique J



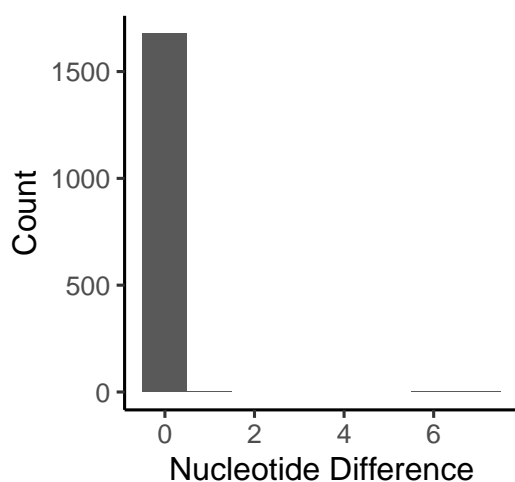
TRBV13*ap01

1845 sequences assigned
1802 (97.7%) exact matches, in which:
1792 unique CDR3
13 unique J



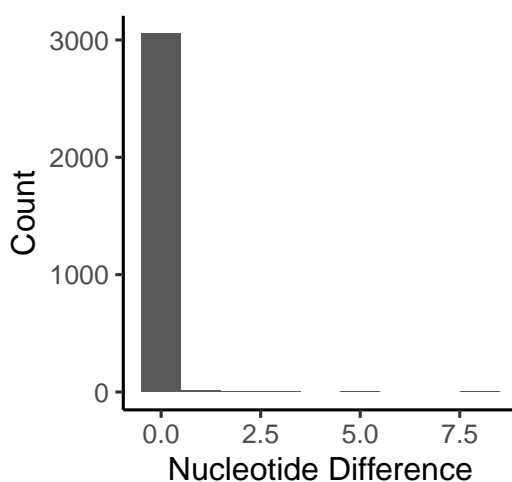
TRBV10-1*ap01

1683 sequences assigned
1677 (99.6%) exact matches, in which:
1673 unique CDR3
13 unique J



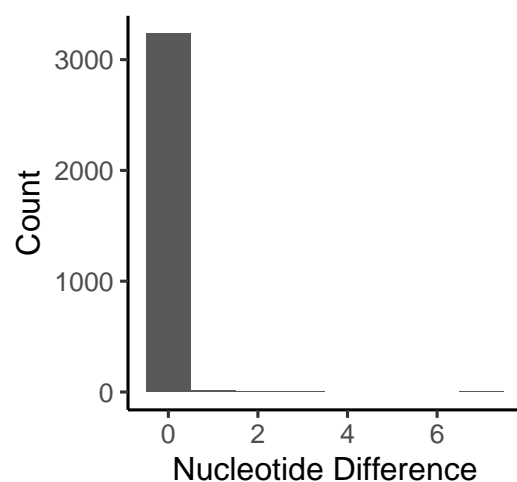
TRBV10-3*ap01

3068 sequences assigned
3053 (99.5%) exact matches, in which:
3041 unique CDR3
13 unique J



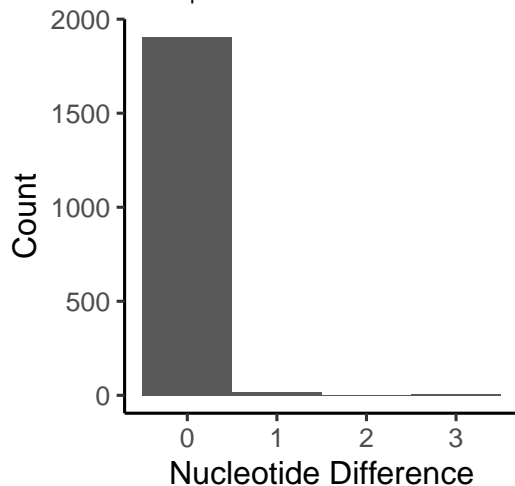
TRBV14*ap01

3248 sequences assigned
3234 (99.6%) exact matches, in which:
3219 unique CDR3
13 unique J



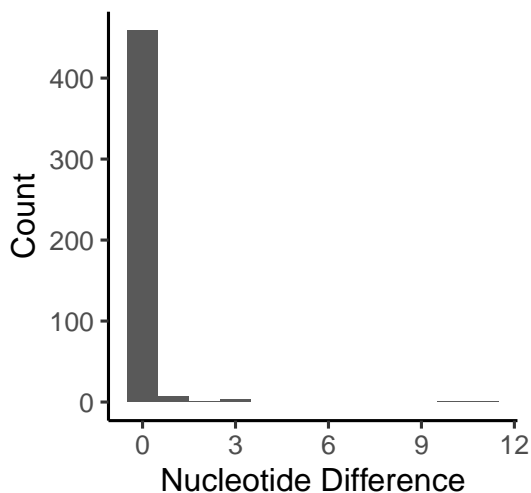
TRBV20-1*ap02

1932 sequences assigned
1905 (98.6%) exact matches, in which:
1878 unique CDR3
13 unique J



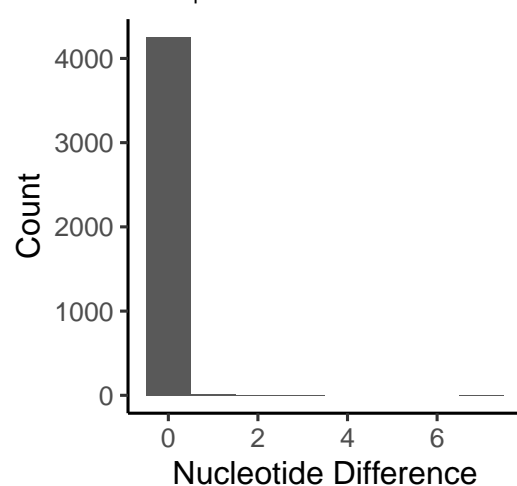
TRBV1*ap01

472 sequences assigned
459 (97.2%) exact matches, in which:
451 unique CDR3
13 unique J



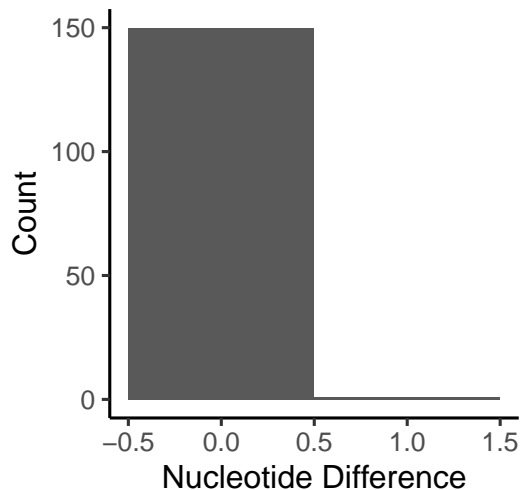
TRBV15*ap02

4278 sequences assigned
4254 (99.4%) exact matches, in which:
4229 unique CDR3
13 unique J



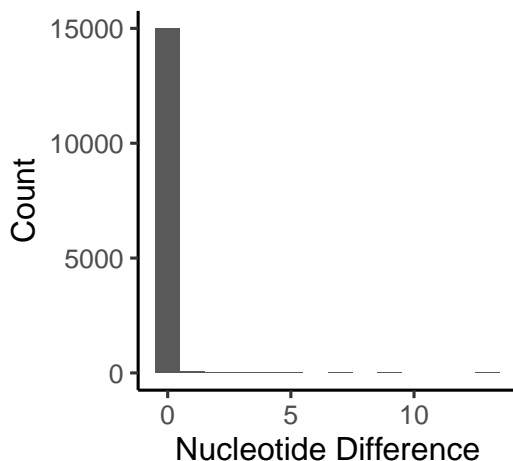
TRBV16*ap01

151 sequences assigned
150 (99.3%) exact matches, in which:
150 unique CDR3
12 unique J



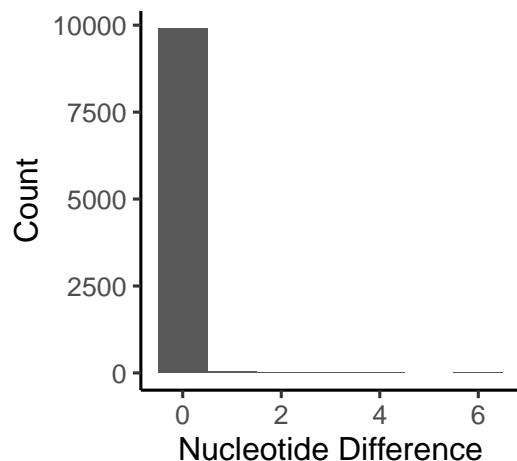
TRBV19*ap01

15111 sequences assigned
15010 (99.3%) exact matches, in which:
14944 unique CDR3
13 unique J



TRBV27*ap01

9969 sequences assigned
9914 (99.4%) exact matches, in which:
9880 unique CDR3
13 unique J



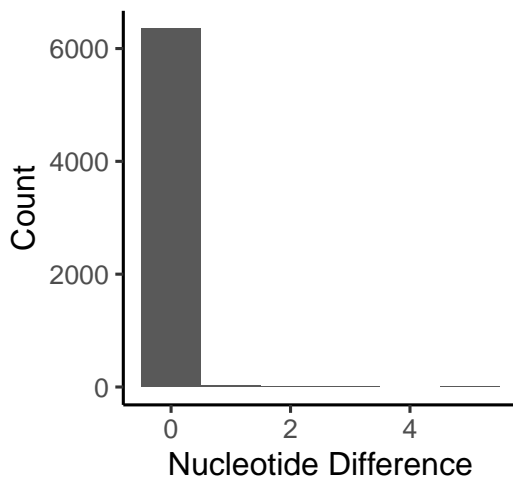
TRBV17*ap01

1 sequences assigned
No exact matches.



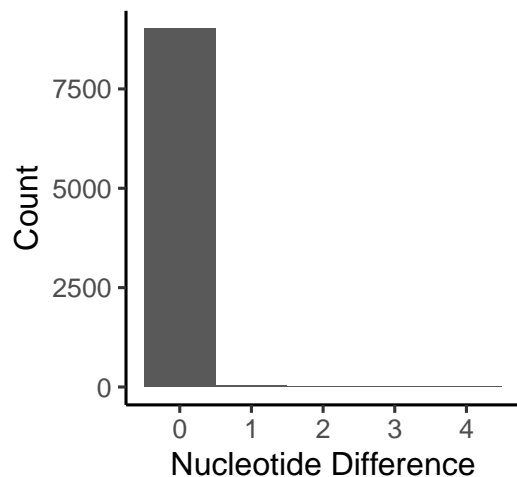
TRBV2*ap01

6383 sequences assigned
6351 (99.5%) exact matches, in which:
6323 unique CDR3
13 unique J



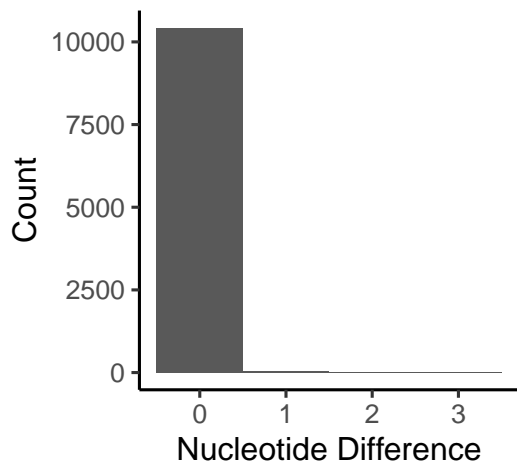
TRBV28*ap01

9054 sequences assigned
9014 (99.6%) exact matches, in which:
8969 unique CDR3
13 unique J



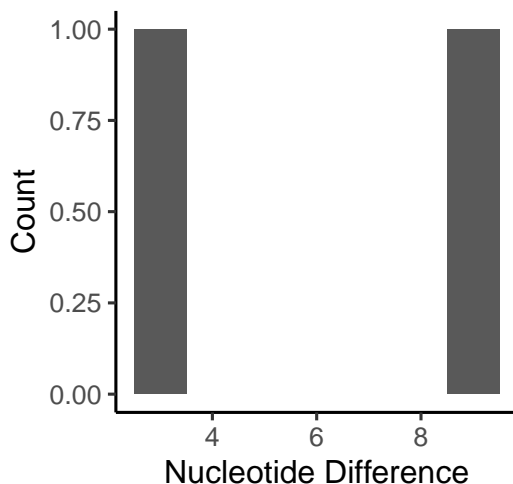
TRBV18*ap01

10493 sequences assigned
10427 (99.4%) exact matches, in which:
10308 unique CDR3
13 unique J



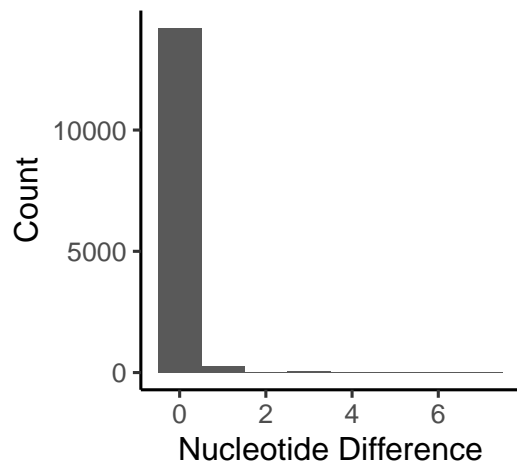
TRBV26*ap01

2 sequences assigned
No exact matches.



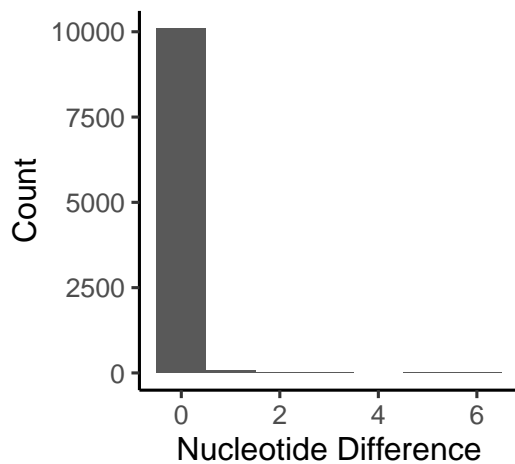
TRBV30*ap01

14578 sequences assigned
14216 (97.5%) exact matches, in which:
13931 unique CDR3
13 unique J



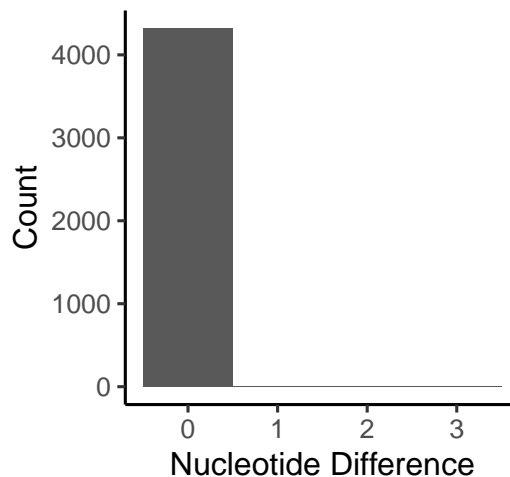
TRBV9*ap01

10180 sequences assigned
10106 (99.3%) exact matches, in which:
10047 unique CDR3
13 unique J



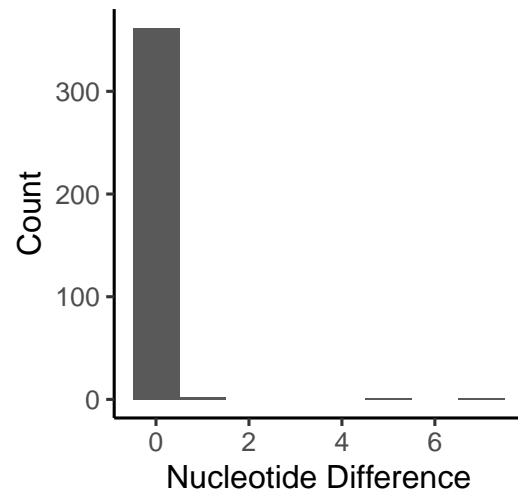
TRBV11-2*ap01

4327 sequences assigned
4319 (99.8%) exact matches, in which:
4306 unique CDR3
13 unique J



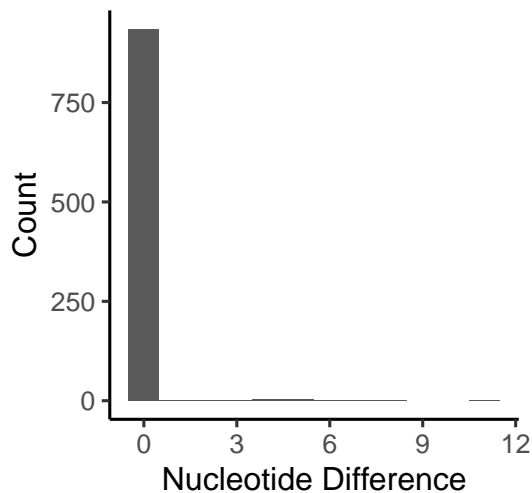
TRBV12-2*ap01

366 sequences assigned
362 (98.9%) exact matches, in which:
362 unique CDR3
13 unique J



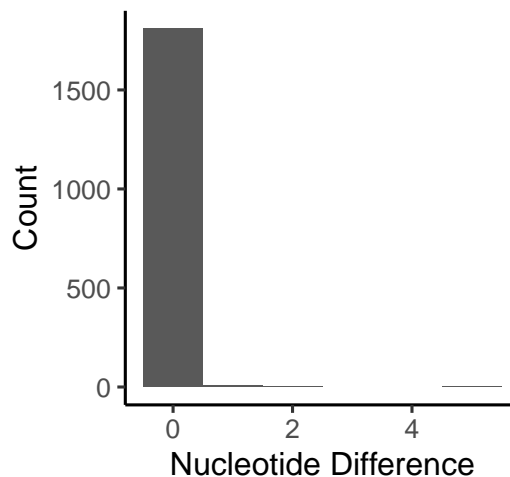
TRBV21-1*ap01

953 sequences assigned
935 (98.1%) exact matches, in which:
934 unique CDR3
13 unique J



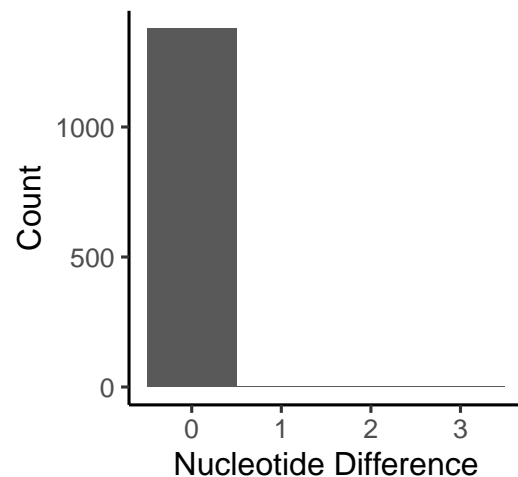
TRBV11-3*ap01

1817 sequences assigned
1809 (99.6%) exact matches, in which:
1804 unique CDR3
13 unique J



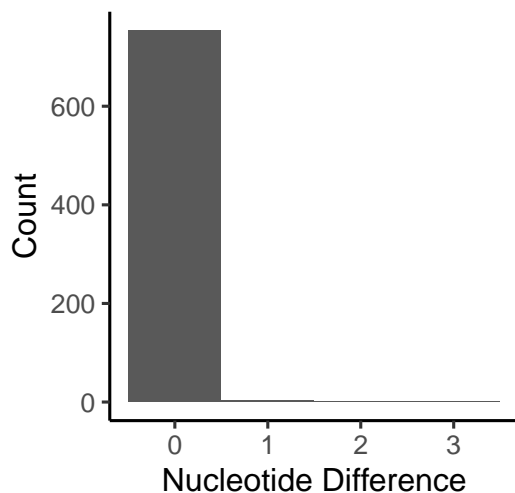
TRBV12-5*ap01

1384 sequences assigned
1378 (99.6%) exact matches, in which:
1374 unique CDR3
13 unique J



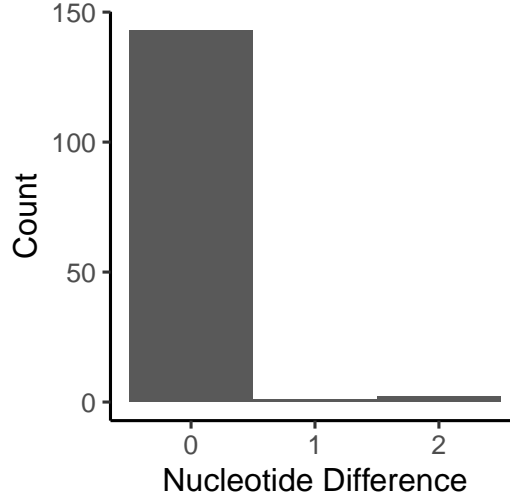
TRBV11-1*ap01

759 sequences assigned
754 (99.3%) exact matches, in which:
751 unique CDR3
13 unique J



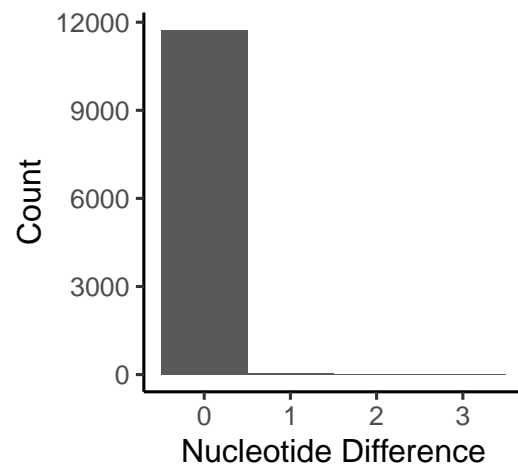
TRBV12-1*ap01

146 sequences assigned
143 (97.9%) exact matches, in which:
142 unique CDR3
13 unique J



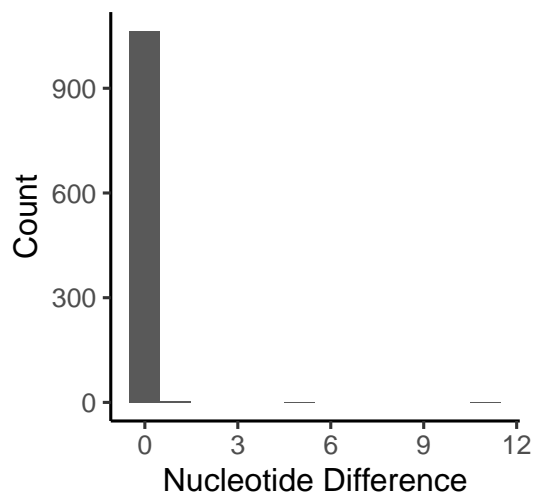
TRBV12-34*ap01

11804 sequences assigned
11742 (99.5%) exact matches, in which:
11692 unique CDR3
13 unique J



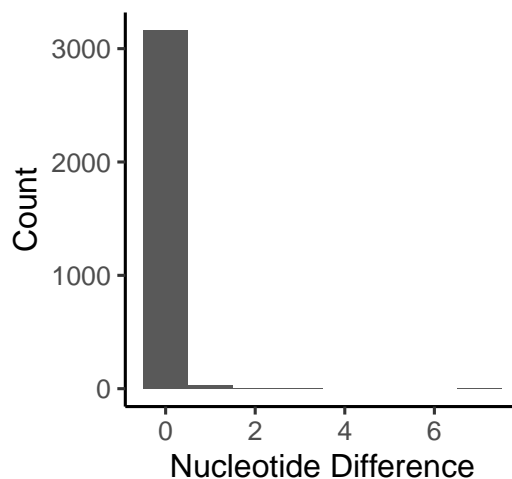
TRBV23-1*ap01

1073 sequences assigned
1065 (99.3%) exact matches, in which:
1058 unique CDR3
13 unique J



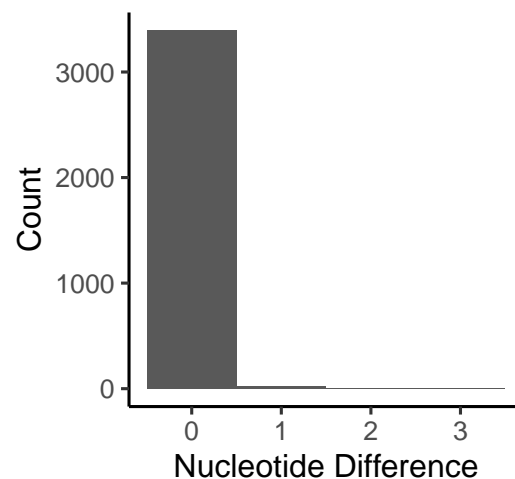
TRBV4-1*ap01

3198 sequences assigned
3161 (98.8%) exact matches, in which:
3123 unique CDR3
13 unique J



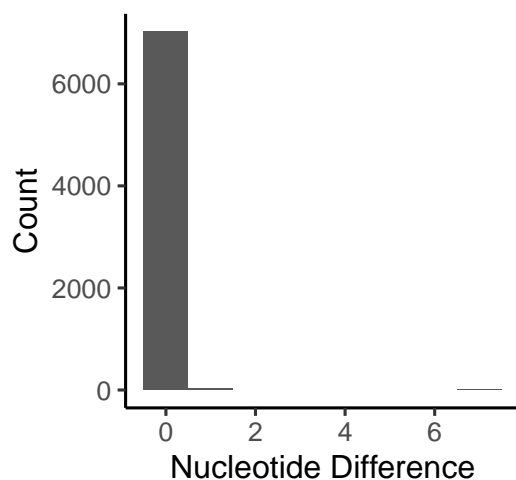
TRBV25-1*ap01

3422 sequences assigned
3394 (99.2%) exact matches, in which:
3367 unique CDR3
13 unique J



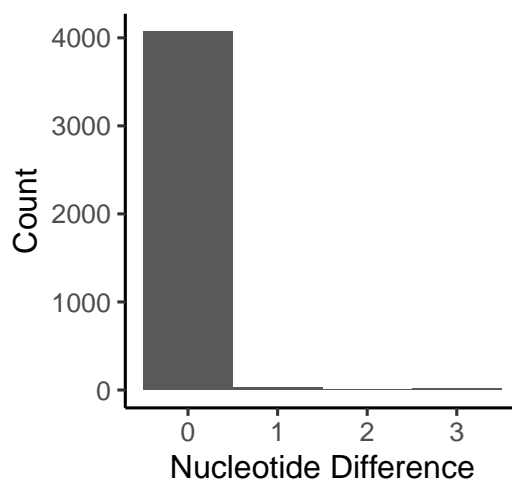
TRBV3-12*ap01

7056 sequences assigned
7021 (99.5%) exact matches, in which:
7007 unique CDR3
13 unique J



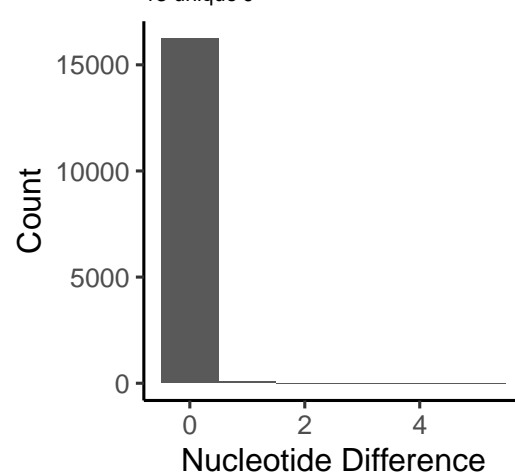
TRBV4-2*ap01

4111 sequences assigned
4069 (99%) exact matches, in which:
4021 unique CDR3
13 unique J



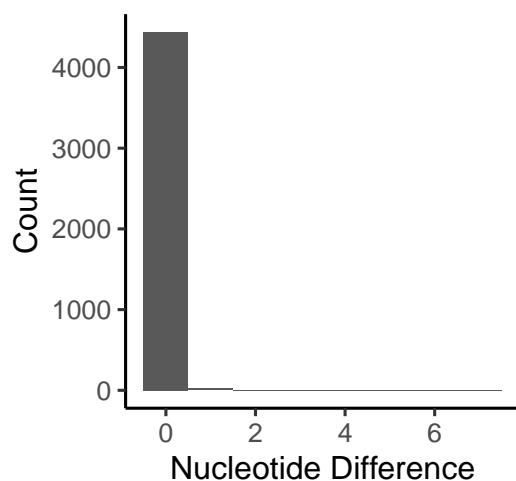
TRBV5-1*ap01

16344 sequences assigned
16241 (99.4%) exact matches, in which:
16107 unique CDR3
13 unique J



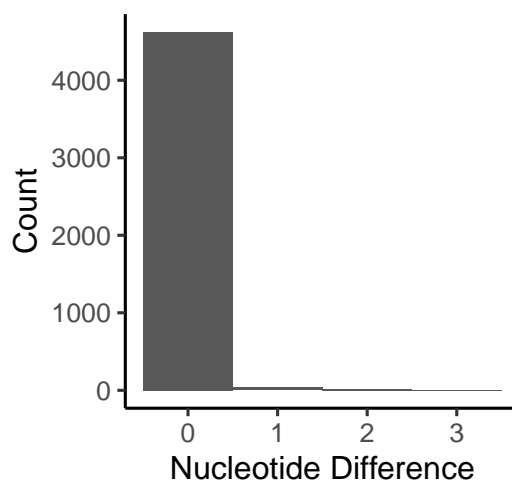
TRBV24-1*ap01

4474 sequences assigned
4439 (99.2%) exact matches, in which:
4411 unique CDR3
13 unique J



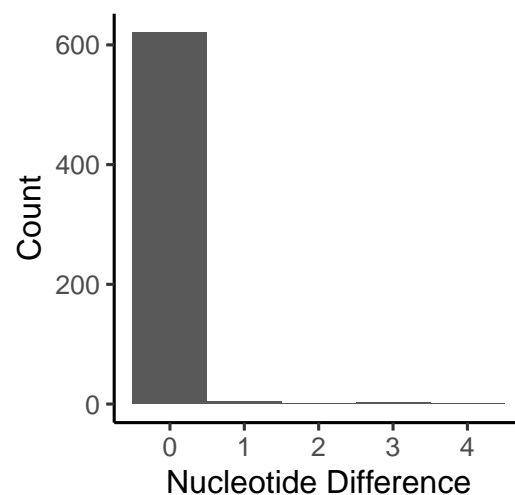
TRBV4-3*ap01

4680 sequences assigned
4622 (98.8%) exact matches, in which:
4558 unique CDR3
13 unique J



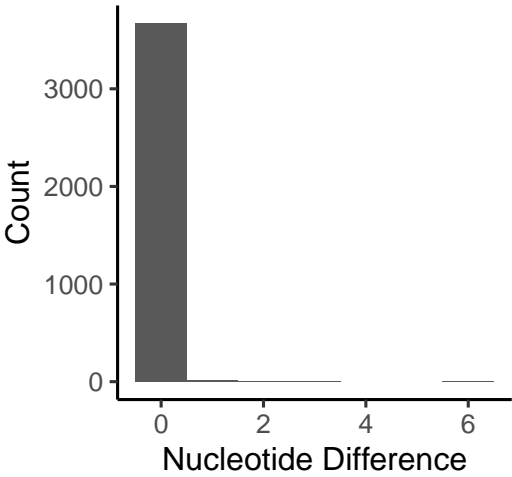
TRBV5-3*ap01

631 sequences assigned
621 (98.4%) exact matches, in which:
616 unique CDR3
13 unique J



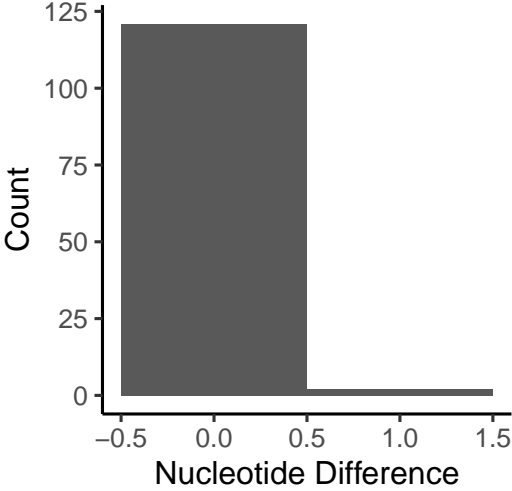
TRBV5-4*ap01

3702 sequences assigned
3670 (99.1%) exact matches, in which:
3659 unique CDR3
13 unique J



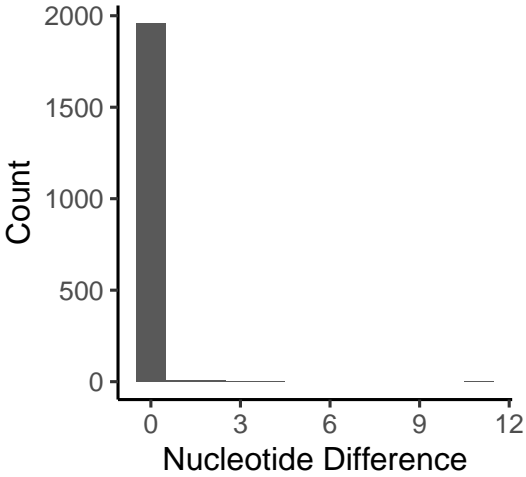
TRBV5-7*ap01

123 sequences assigned
121 (98.4%) exact matches, in which:
121 unique CDR3
13 unique J



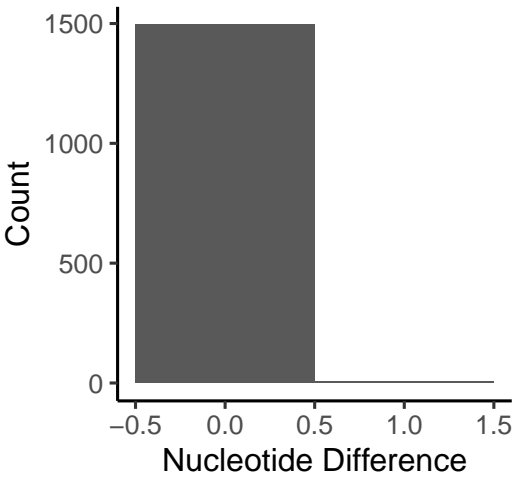
TRBV6-4*ap01

1976 sequences assigned
1958 (99.1%) exact matches, in which:
1950 unique CDR3
13 unique J



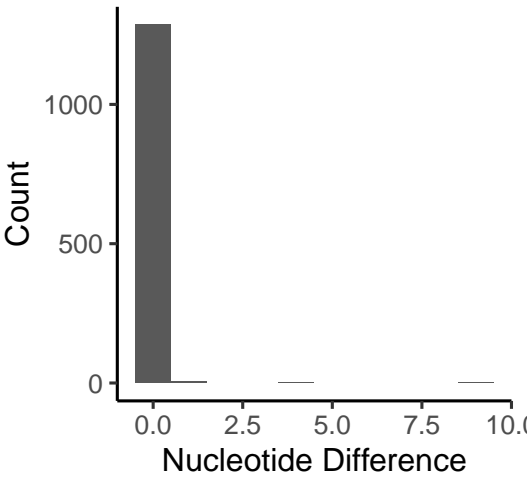
TRBV5-5*ap01

1502 sequences assigned
1495 (99.5%) exact matches, in which:
1492 unique CDR3
13 unique J



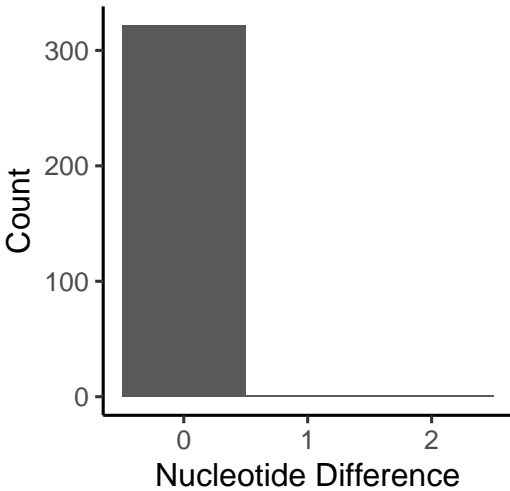
TRBV5-8*ap01

1295 sequences assigned
1286 (99.3%) exact matches, in which:
1284 unique CDR3
13 unique J



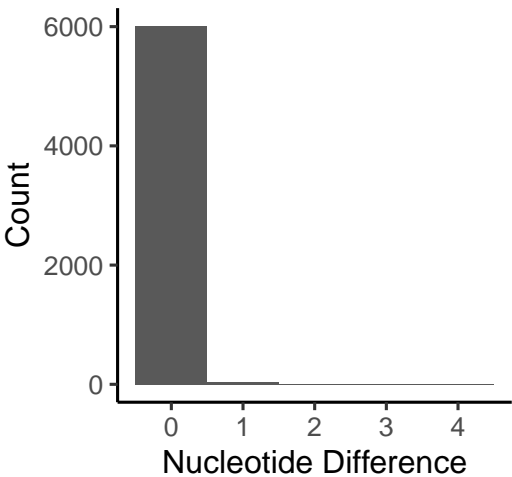
TRBV6-7*ap01

324 sequences assigned
322 (99.4%) exact matches, in which:
322 unique CDR3
13 unique J



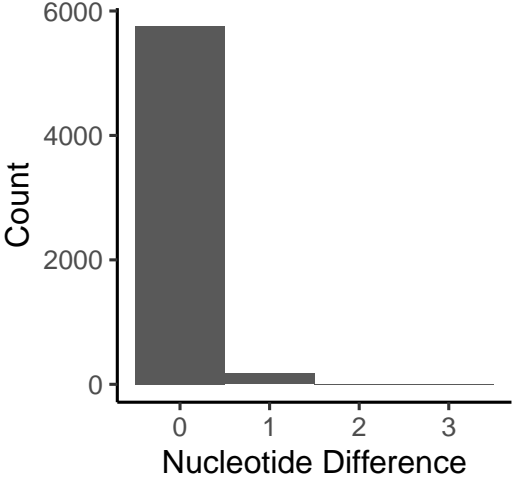
TRBV5-6*ap01

6051 sequences assigned
6010 (99.3%) exact matches, in which:
5945 unique CDR3
13 unique J



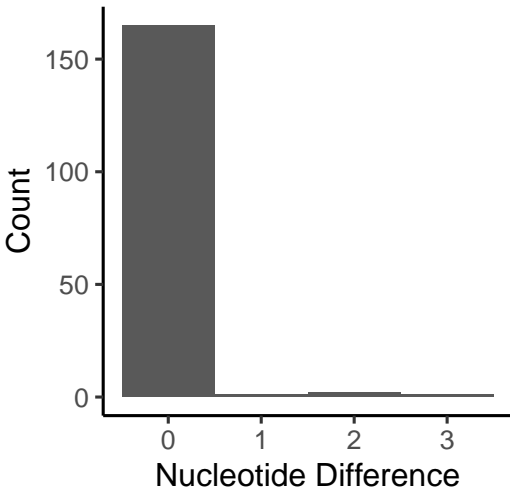
TRBV6-1*ap01

5934 sequences assigned
5758 (97%) exact matches, in which:
5718 unique CDR3
13 unique J



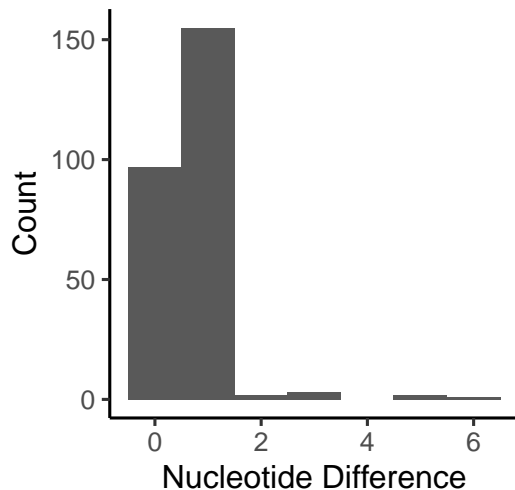
TRBV6-8*ap01

169 sequences assigned
165 (97.6%) exact matches, in which:
163 unique CDR3
13 unique J



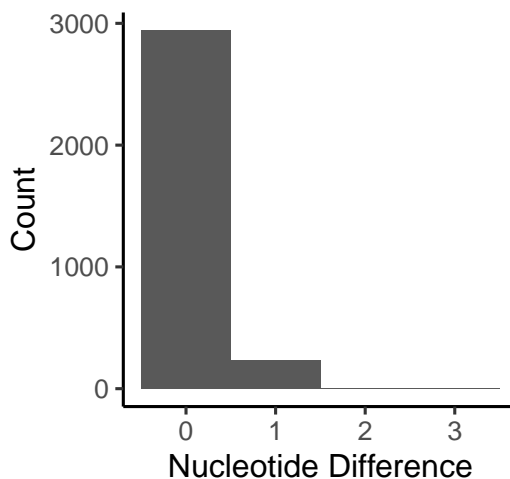
TRBV6–9*ap01

260 sequences assigned
97 (37.3%) exact matches, in which:
97 unique CDR3
12 unique J



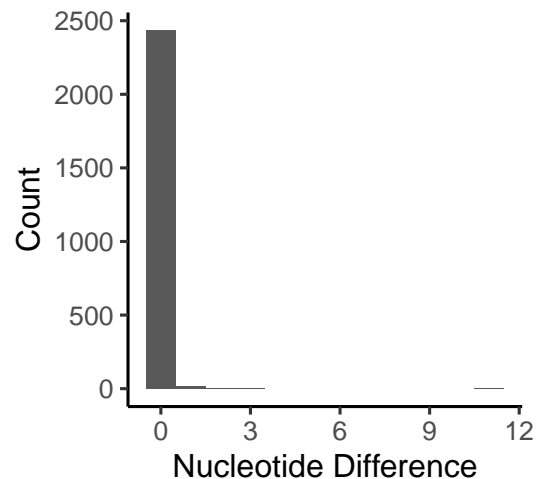
TRBV6–56*ap02

3182 sequences assigned
2942 (92.5%) exact matches, in which:
2905 unique CDR3
13 unique J



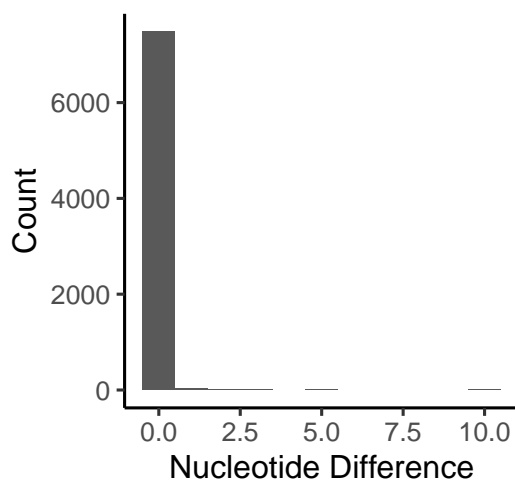
TRBV7–3*ap01

2456 sequences assigned
2434 (99.1%) exact matches, in which:
2427 unique CDR3
13 unique J



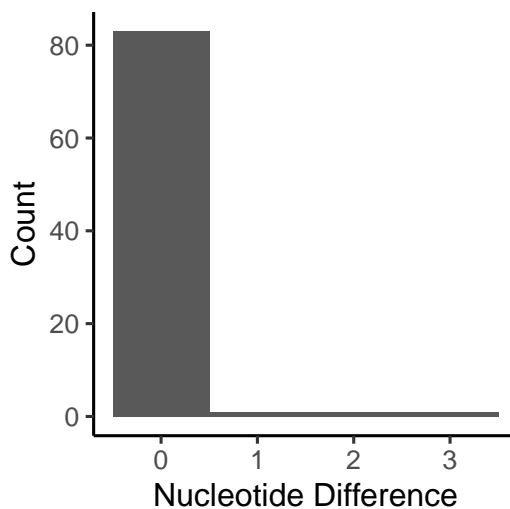
TRBV6–23*ap01

7519 sequences assigned
7480 (99.5%) exact matches, in which:
7423 unique CDR3
13 unique J



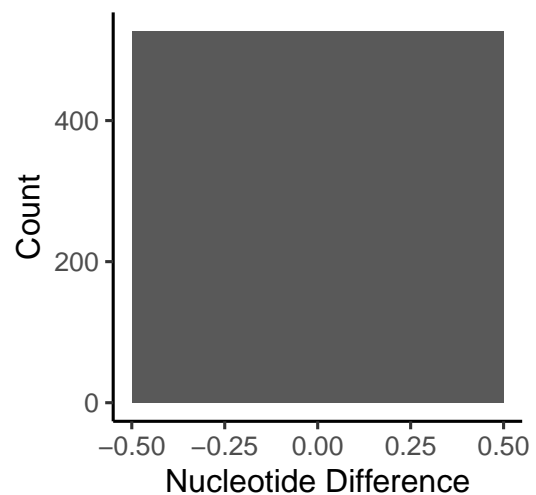
TRBV7–1*ap01_G291C_T

86 sequences assigned
83 (96.5%) exact matches, in which:
83 unique CDR3
13 unique J



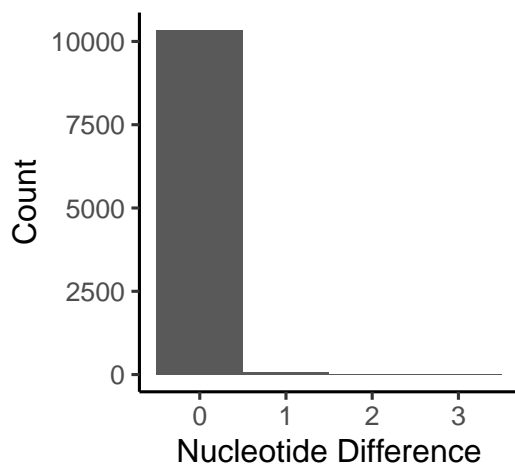
TRBV7–3*ap03

527 sequences assigned
527 (100%) exact matches, in which:
524 unique CDR3
13 unique J



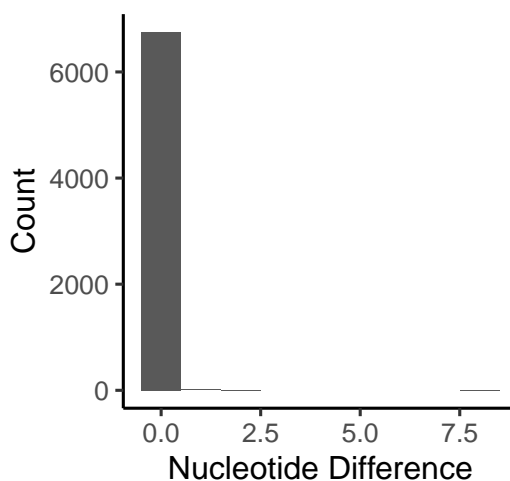
TRBV6–56*ap01

10429 sequences assigned
10349 (99.2%) exact matches, in which:
10216 unique CDR3
13 unique J



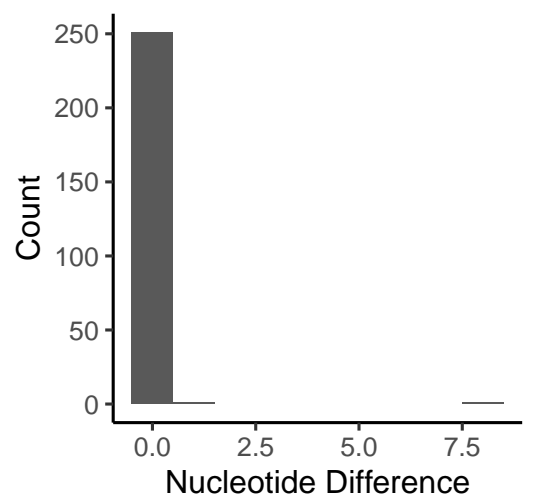
TRBV7–2*ap01

6774 sequences assigned
6752 (99.7%) exact matches, in which:
6731 unique CDR3
13 unique J



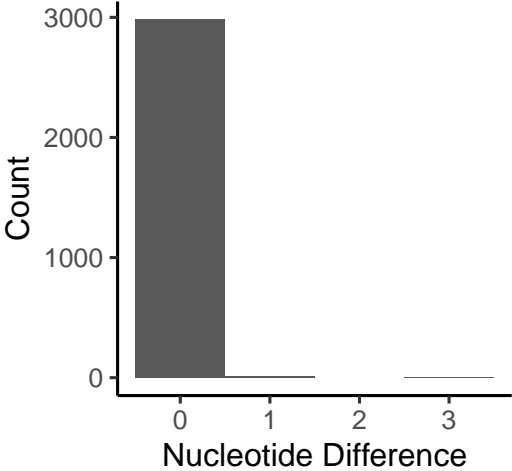
TRBV7–4*ap01

253 sequences assigned
251 (99.2%) exact matches, in which:
251 unique CDR3
13 unique J



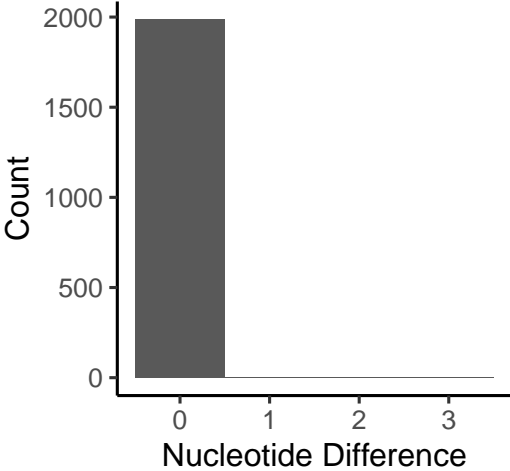
TRBV7-6*ap01

2995 sequences assigned
2983 (99.6%) exact matches, in which:
2976 unique CDR3
13 unique J



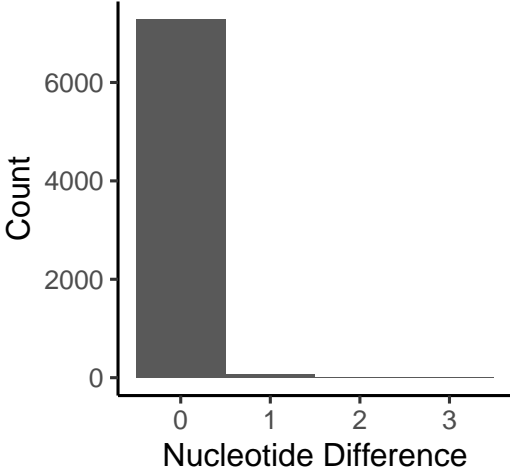
TRBV7-8*ap01

1995 sequences assigned
1987 (99.6%) exact matches, in which:
1979 unique CDR3
13 unique J



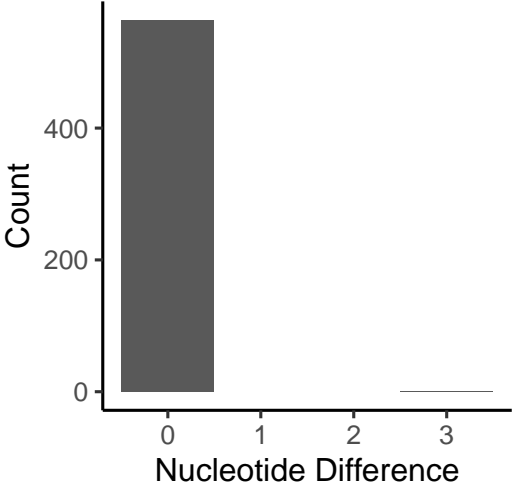
TRBV29-1*ap01

7381 sequences assigned
7282 (98.7%) exact matches, in which:
7154 unique CDR3
13 unique J



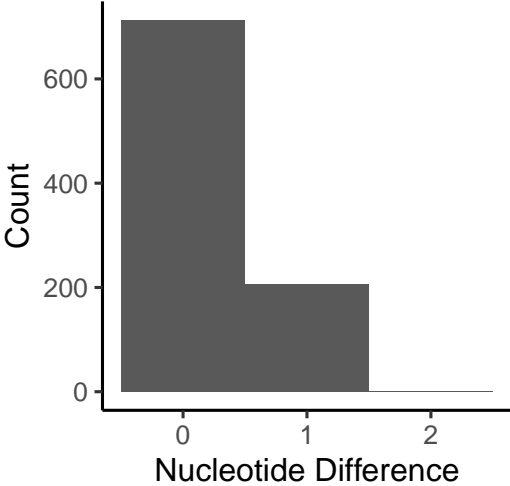
TRBV7-7*ap01

565 sequences assigned
564 (99.8%) exact matches, in which:
562 unique CDR3
13 unique J



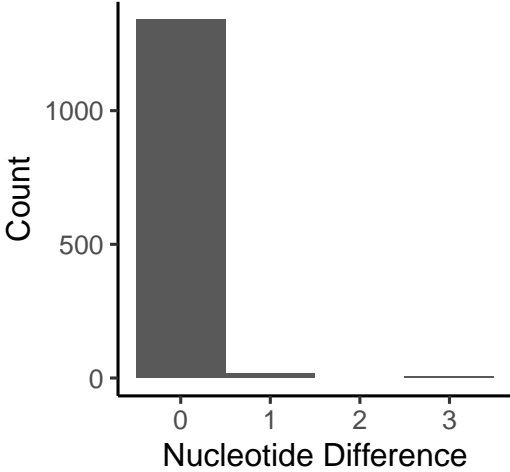
TRBV7-8*ap03

921 sequences assigned
713 (77.4%) exact matches, in which:
707 unique CDR3
13 unique J



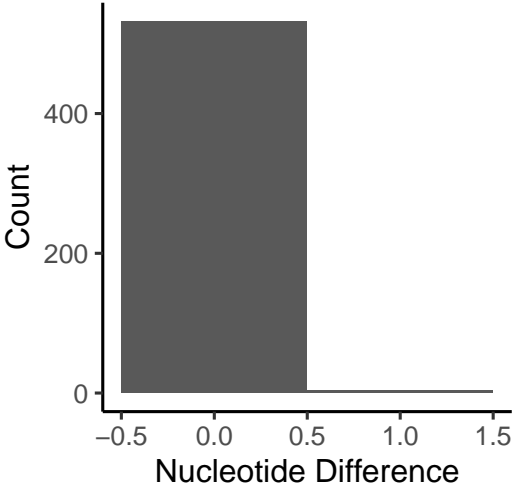
TRBV29-1*ap02

1364 sequences assigned
1340 (98.2%) exact matches, in which:
1316 unique CDR3
13 unique J



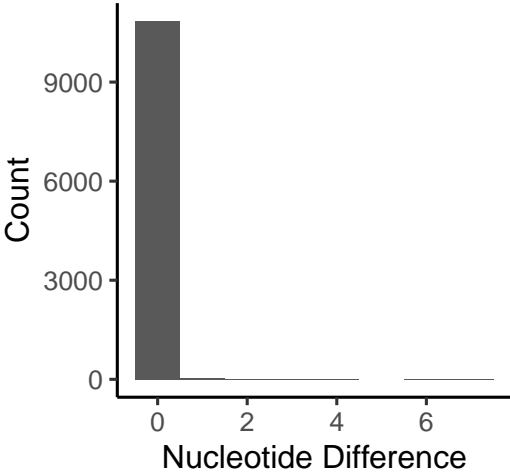
TRBV7-7*ap01_C315T

535 sequences assigned
532 (99.4%) exact matches, in which:
530 unique CDR3
13 unique J

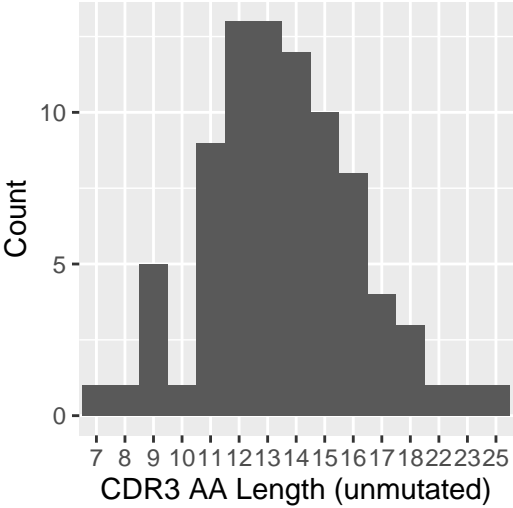


TRBV7-9*ap01

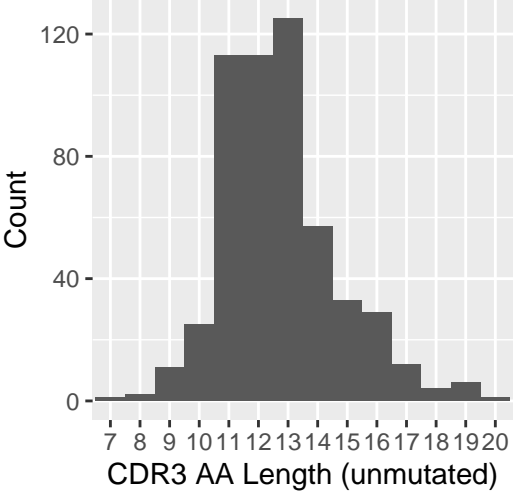
10896 sequences assigned
10848 (99.6%) exact matches, in which:
10799 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]