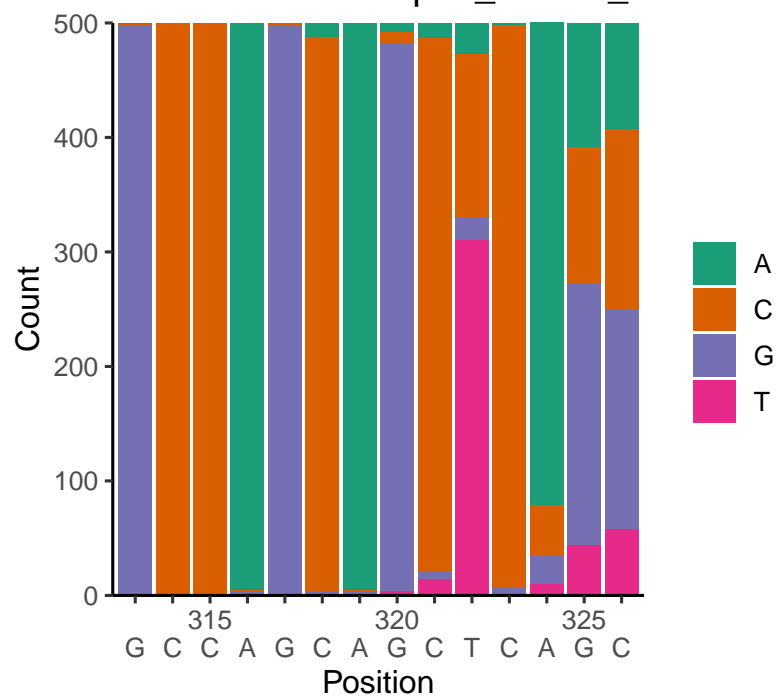
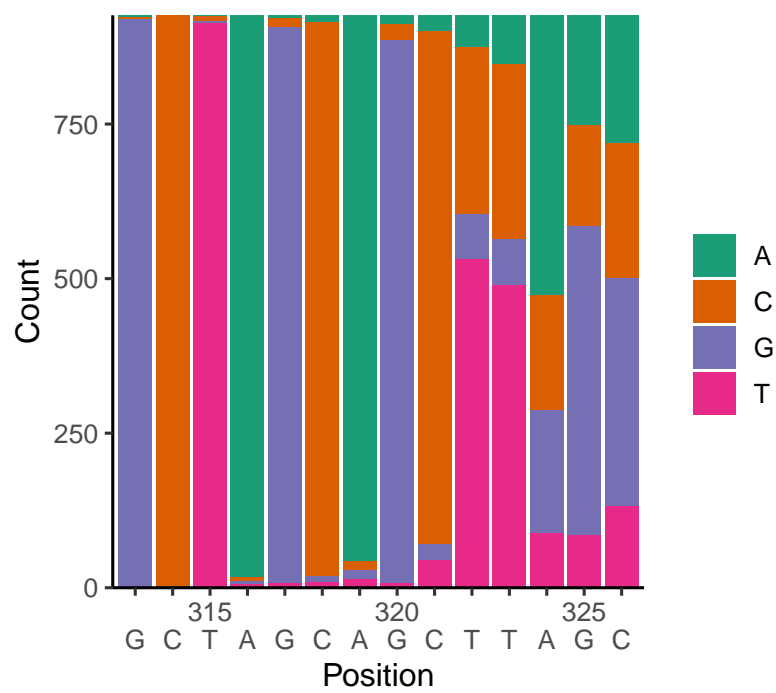


Gene TRBV7-1*ap01_T296C_T300C



Gene TRBV7-7*ap01_C315T



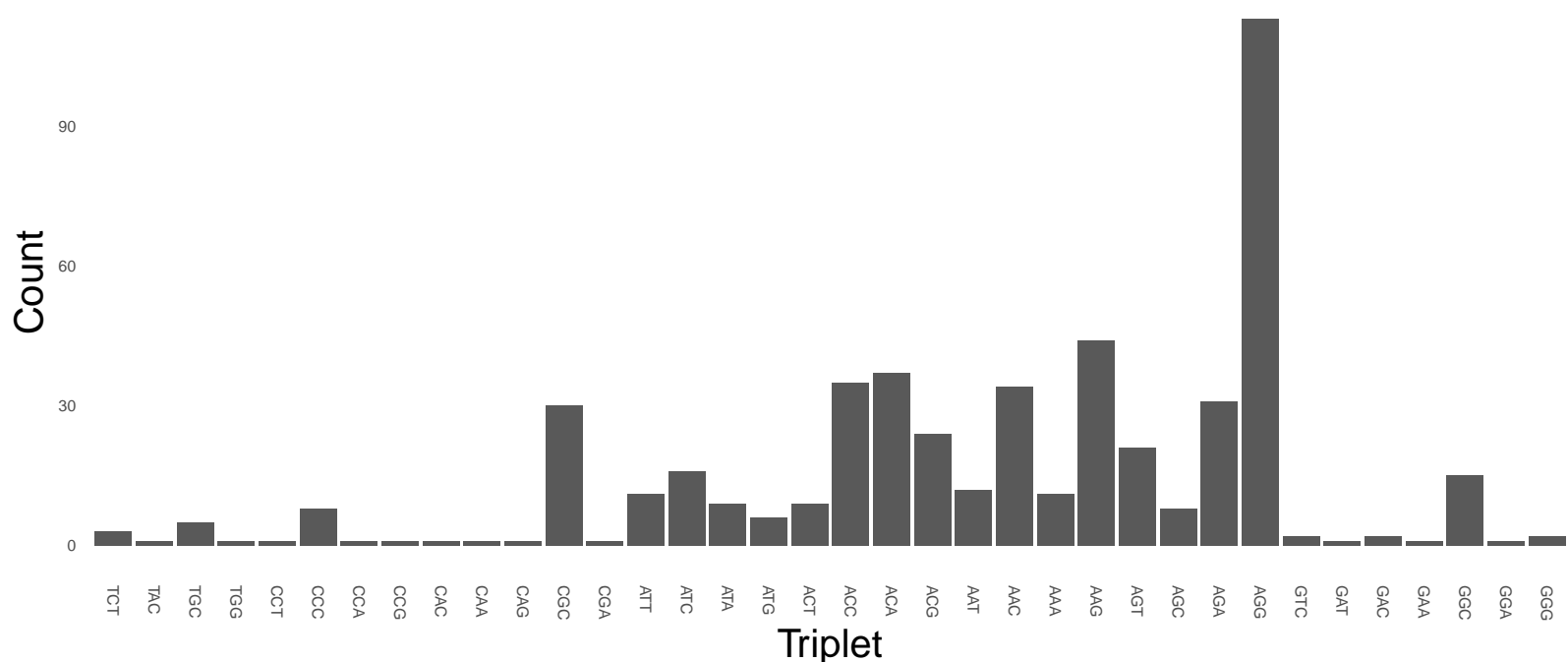
Gene TRBV7-1*ap01_T296C_T300C



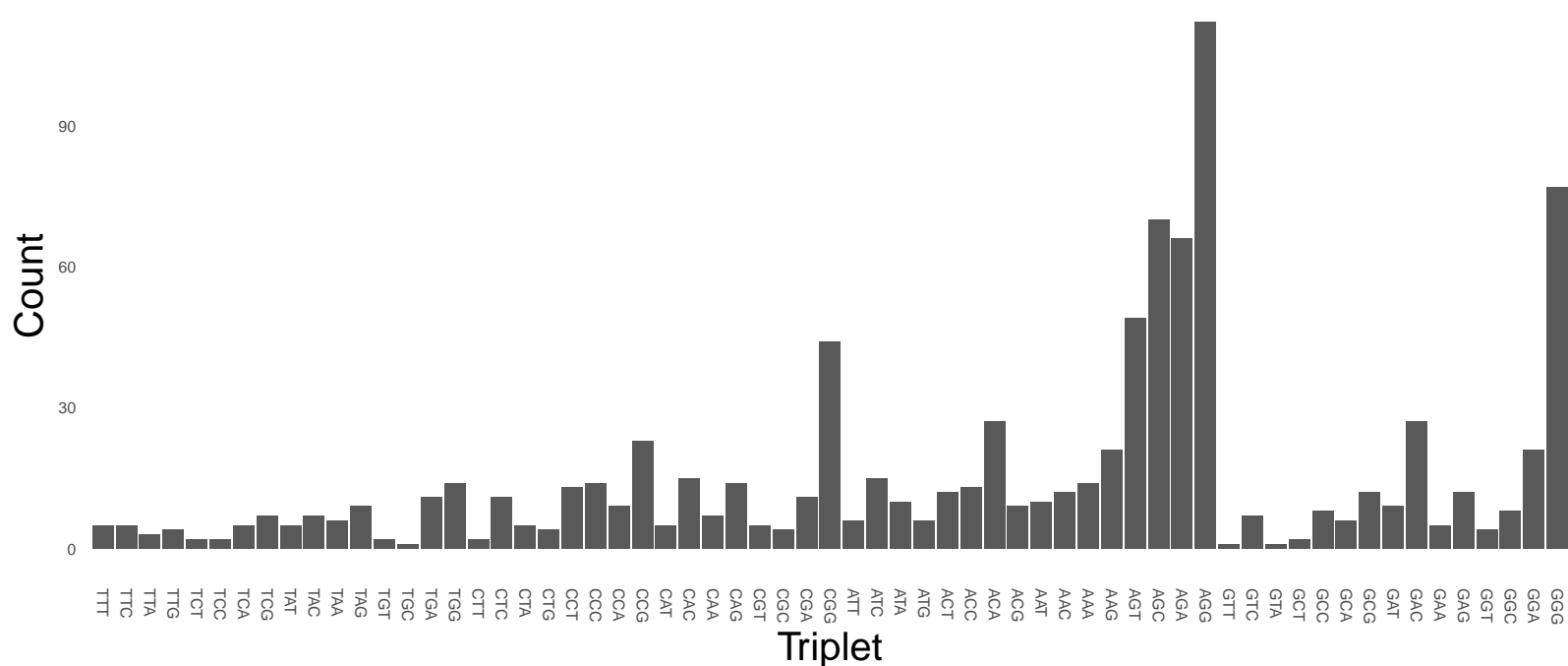
Gene TRBV7-7*ap01_C315T



TRBV7-1*ap01_T296C_T300C- Final 3 nucleotides as a triplet

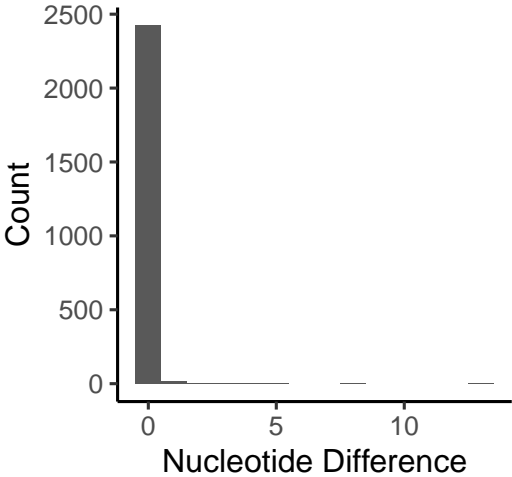


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



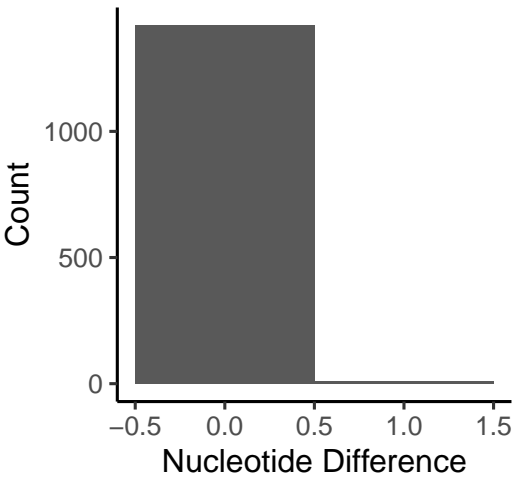
TRBV10-1*ap01

2449 sequences assigned
2424 (99%) exact matches, in which:
2391 unique CDR3
13 unique J



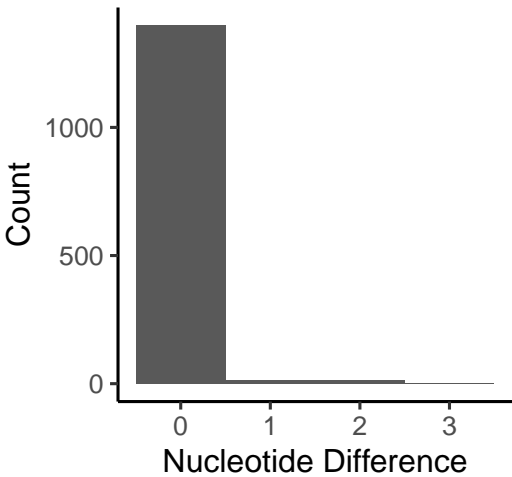
TRBV10-2*ap01

1429 sequences assigned
1420 (99.4%) exact matches, in which:
1395 unique CDR3
13 unique J



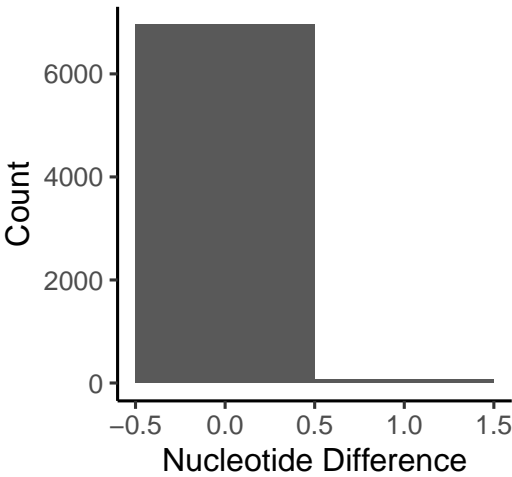
TRBV13*ap01

1427 sequences assigned
1398 (98%) exact matches, in which:
1375 unique CDR3
13 unique J



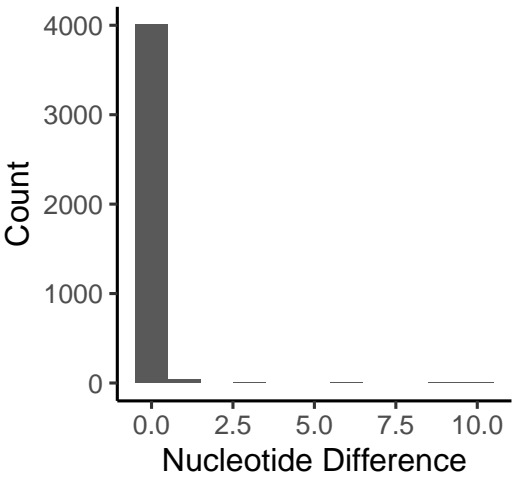
TRBV20-1*ap01

7029 sequences assigned
6954 (98.9%) exact matches, in which:
6863 unique CDR3
13 unique J



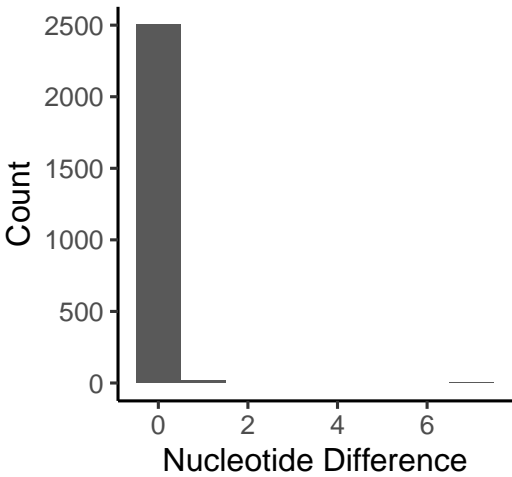
TRBV10-3*ap01

4053 sequences assigned
4006 (98.8%) exact matches, in which:
3948 unique CDR3
13 unique J



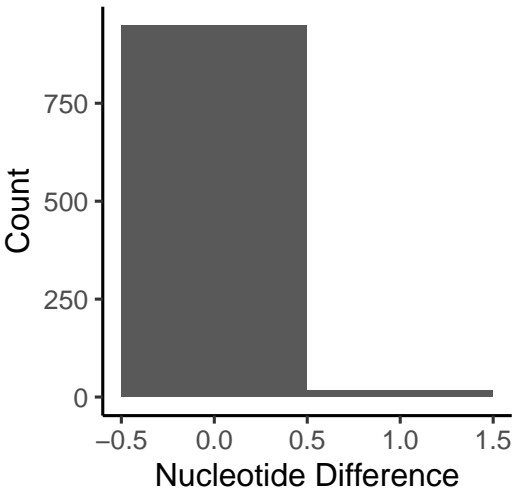
TRBV14*ap01

2522 sequences assigned
2503 (99.2%) exact matches, in which:
2479 unique CDR3
13 unique J



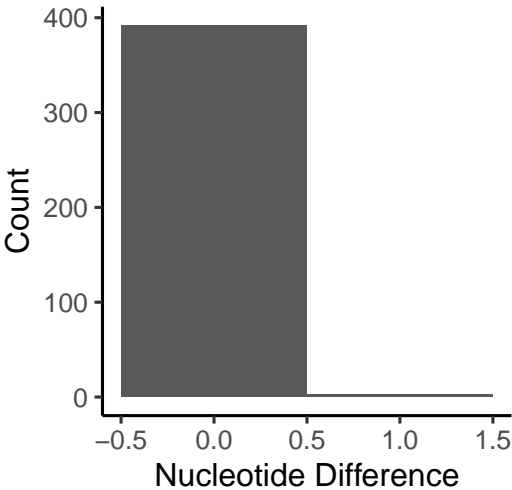
TRBV20-1*ap02

965 sequences assigned
949 (98.3%) exact matches, in which:
937 unique CDR3
13 unique J



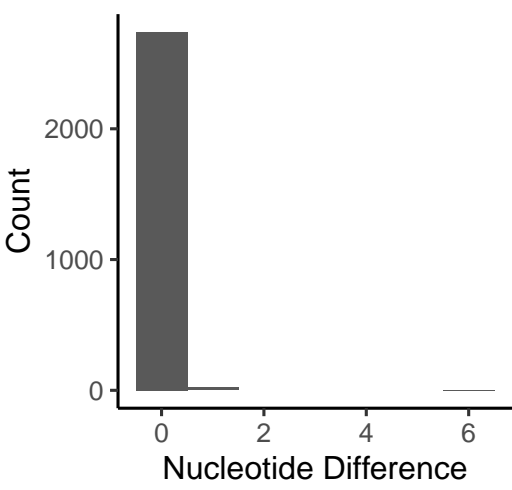
TRBV1*ap01

395 sequences assigned
392 (99.2%) exact matches, in which:
380 unique CDR3
13 unique J



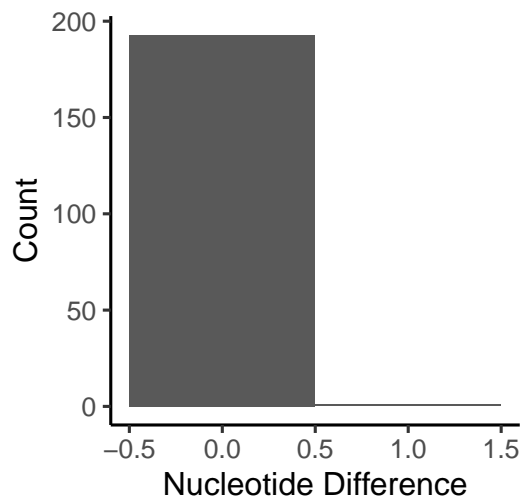
TRBV15*ap02

2762 sequences assigned
2740 (99.2%) exact matches, in which:
2696 unique CDR3
13 unique J



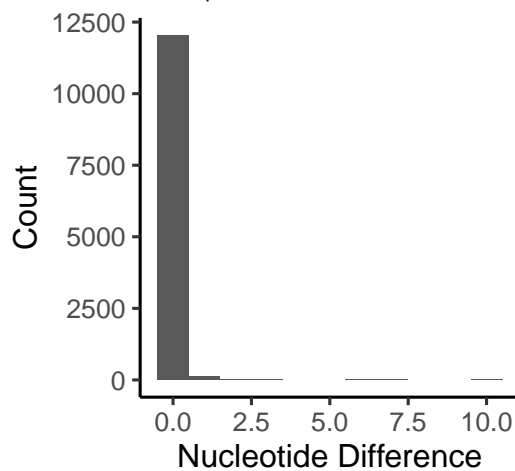
TRBV16*ap01

194 sequences assigned
193 (99.5%) exact matches, in which:
193 unique CDR3
13 unique J



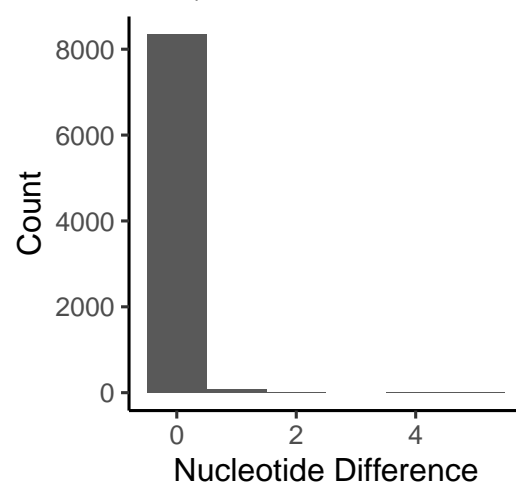
TRBV19*ap01

12177 sequences assigned
12044 (98.9%) exact matches, in which:
11965 unique CDR3
13 unique J



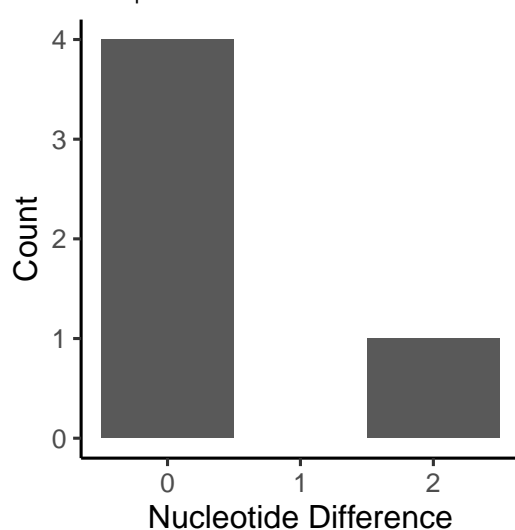
TRBV28*ap01

8429 sequences assigned
8345 (99%) exact matches, in which:
8255 unique CDR3
13 unique J



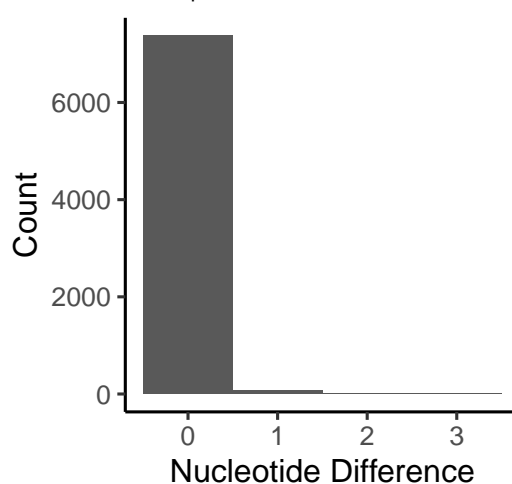
TRBV17*ap01

5 sequences assigned
4 (80%) exact matches, in which:
4 unique CDR3
3 unique J



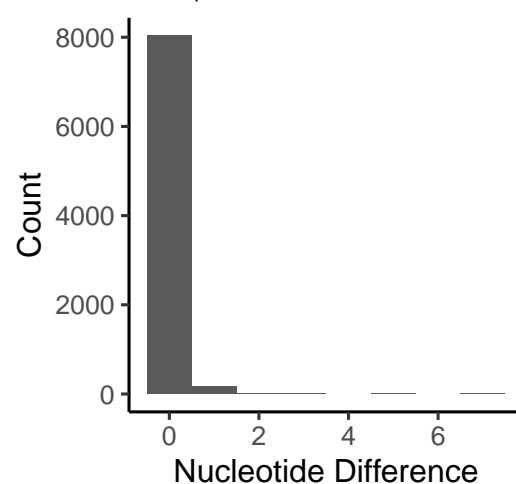
TRBV2*ap01

7450 sequences assigned
7374 (99%) exact matches, in which:
7264 unique CDR3
13 unique J



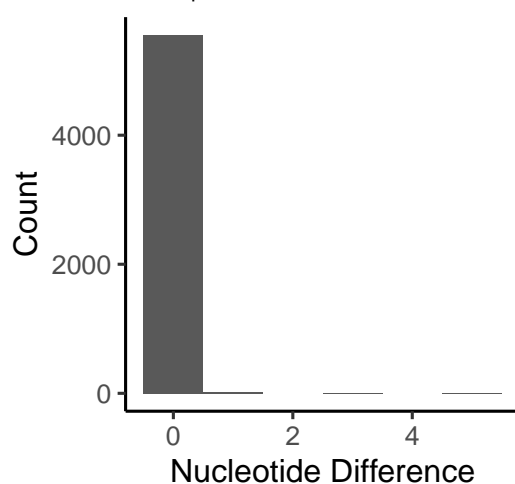
TRBV30*ap01

8219 sequences assigned
8034 (97.7%) exact matches, in which:
7823 unique CDR3
13 unique J



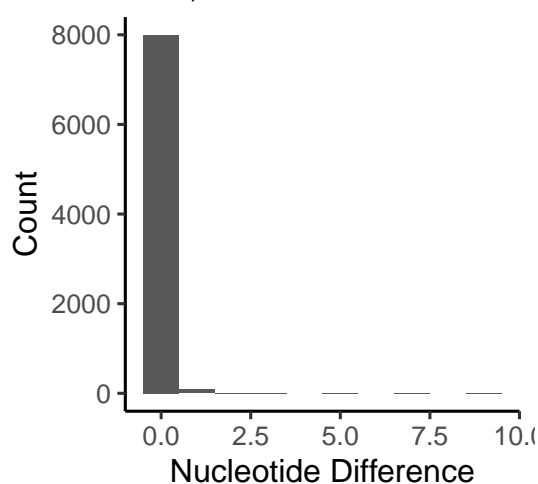
TRBV18*ap01

5577 sequences assigned
5552 (99.6%) exact matches, in which:
5526 unique CDR3
13 unique J



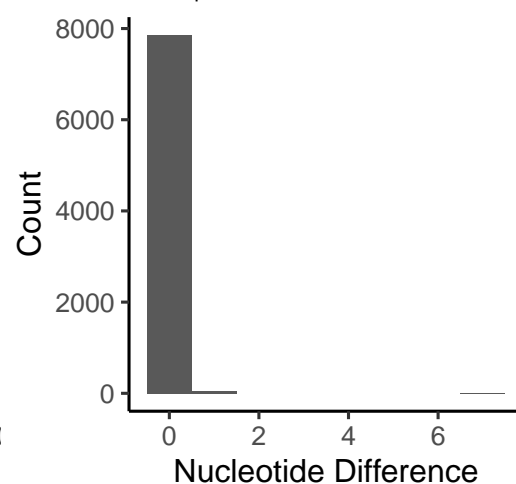
TRBV27*ap01

8087 sequences assigned
7994 (98.9%) exact matches, in which:
7913 unique CDR3
13 unique J



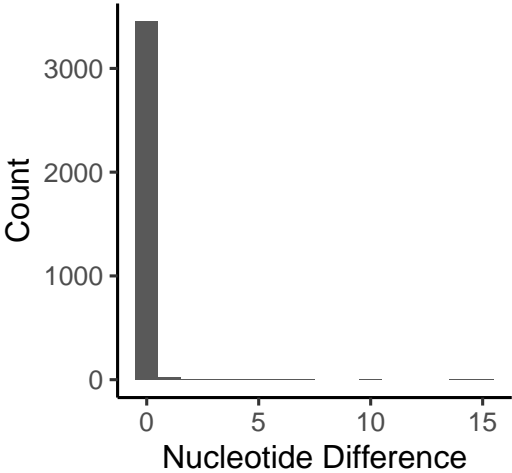
TRBV9*ap01

7903 sequences assigned
7857 (99.4%) exact matches, in which:
7798 unique CDR3
13 unique J



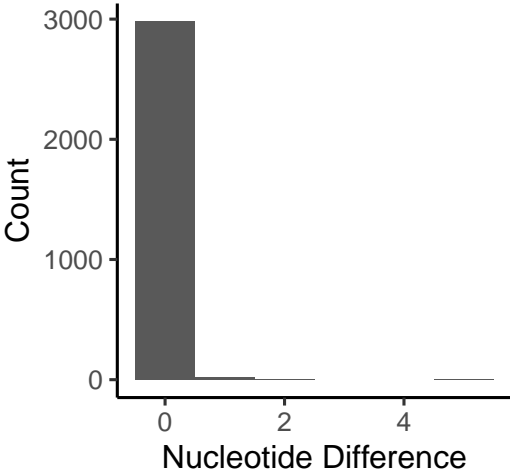
TRBV21-1*ap01

3517 sequences assigned
3453 (98.2%) exact matches, in which:
3437 unique CDR3
13 unique J



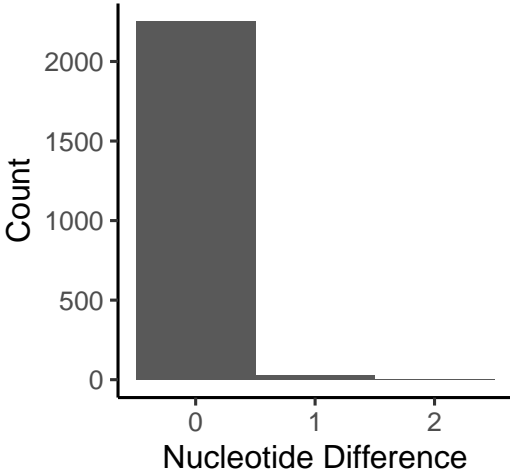
TRBV11-3*ap01

3006 sequences assigned
2981 (99.2%) exact matches, in which:
2965 unique CDR3
13 unique J



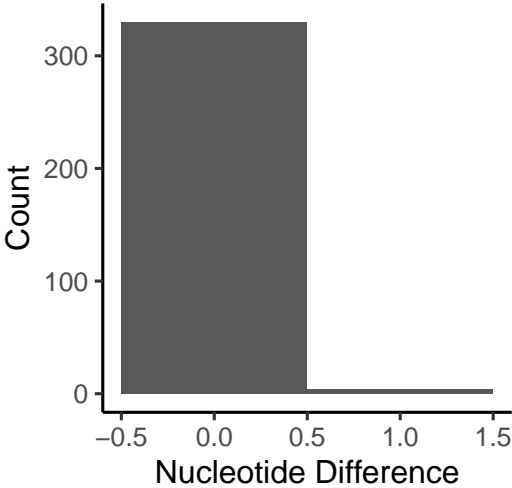
TRBV12-5*ap01

2284 sequences assigned
2252 (98.6%) exact matches, in which:
2220 unique CDR3
13 unique J



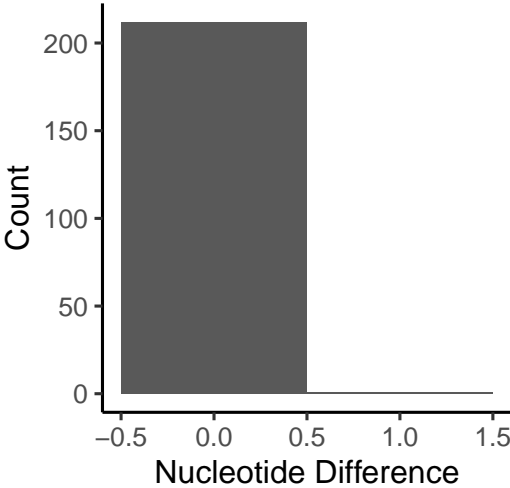
TRBV11-1*ap01

334 sequences assigned
330 (98.8%) exact matches, in which:
329 unique CDR3
13 unique J



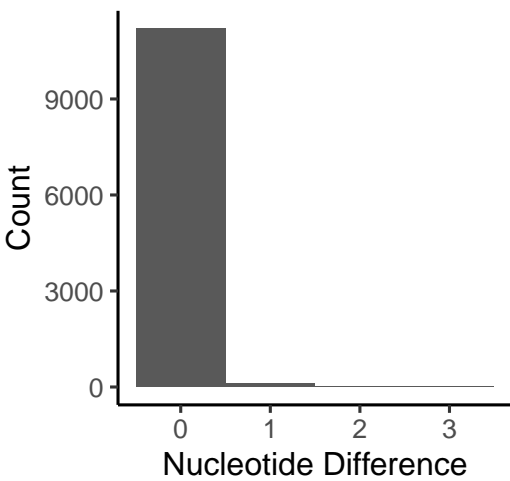
TRBV12-1*ap01

213 sequences assigned
212 (99.5%) exact matches, in which:
209 unique CDR3
13 unique J



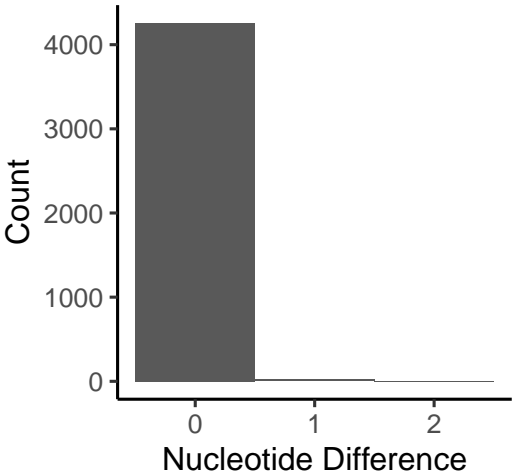
TRBV12-34*ap01

11304 sequences assigned
11195 (99%) exact matches, in which:
11041 unique CDR3
13 unique J



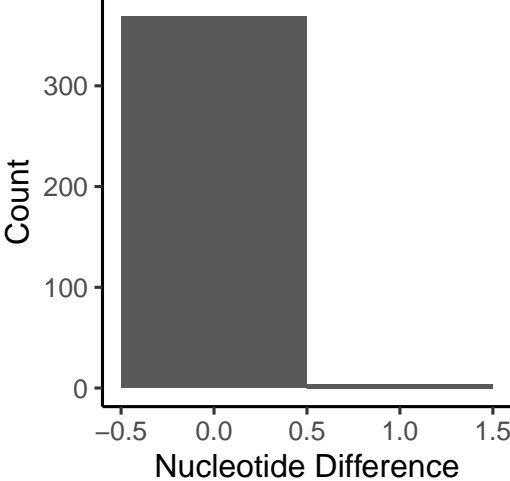
TRBV11-2*ap01

4282 sequences assigned
4257 (99.4%) exact matches, in which:
4220 unique CDR3
13 unique J



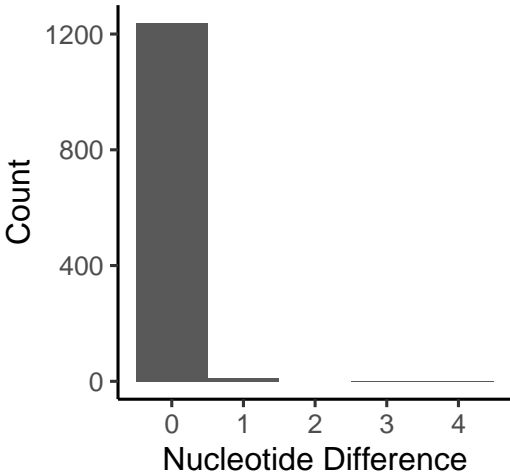
TRBV12-2*ap01

373 sequences assigned
369 (98.9%) exact matches, in which:
363 unique CDR3
13 unique J



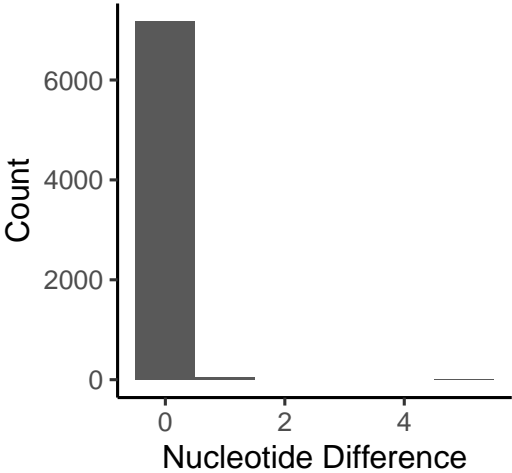
TRBV23-1*ap01

1251 sequences assigned
1238 (99%) exact matches, in which:
1226 unique CDR3
13 unique J



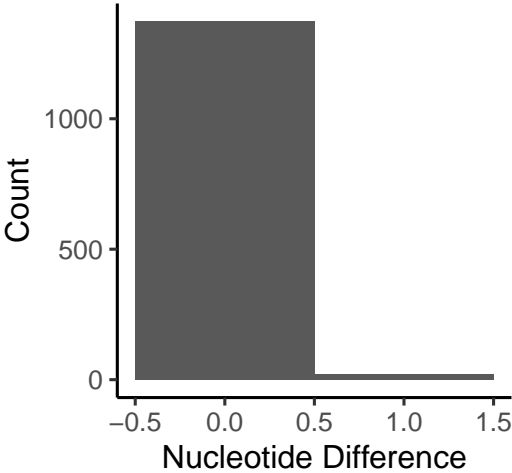
TRBV3-12*ap01

7230 sequences assigned
7173 (99.2%) exact matches, in which:
7121 unique CDR3
13 unique J



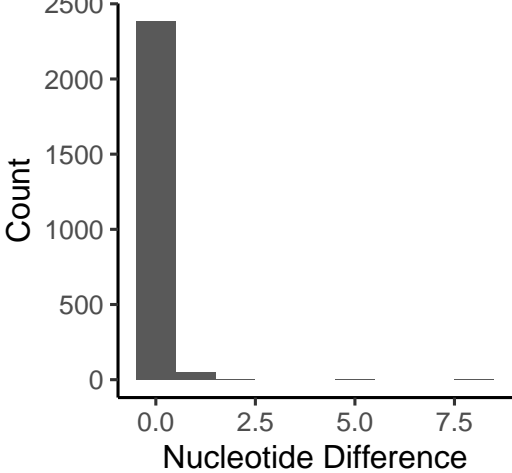
TRBV4-2*ap01

1393 sequences assigned
1373 (98.6%) exact matches, in which:
1348 unique CDR3
13 unique J



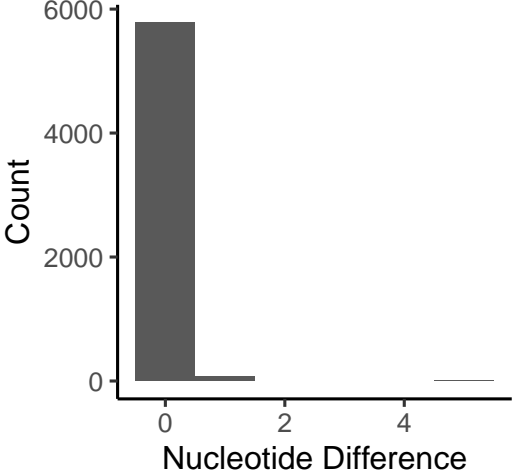
TRBV25-1*ap01

2437 sequences assigned
2383 (97.8%) exact matches, in which:
2329 unique CDR3
13 unique J



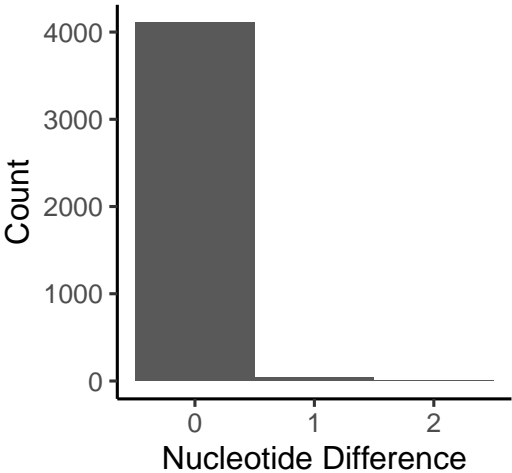
TRBV4-1*ap01

5853 sequences assigned
5780 (98.8%) exact matches, in which:
5673 unique CDR3
13 unique J



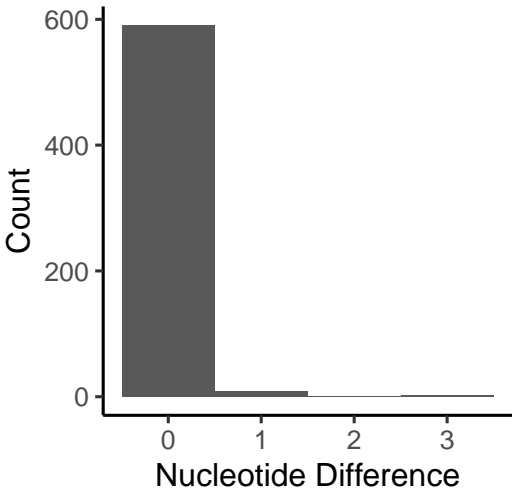
TRBV4-3*ap01

4154 sequences assigned
4107 (98.9%) exact matches, in which:
4062 unique CDR3
13 unique J



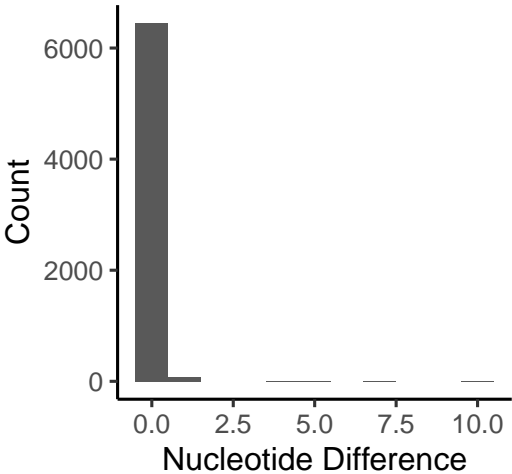
TRBV5-3*ap01

604 sequences assigned
591 (97.8%) exact matches, in which:
581 unique CDR3
13 unique J



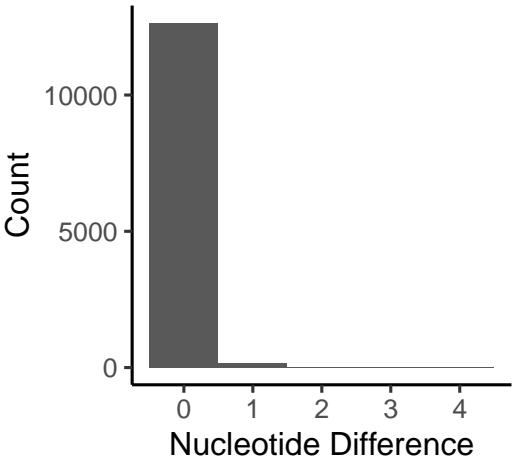
TRBV24-1*ap01

6534 sequences assigned
6450 (98.7%) exact matches, in which:
6350 unique CDR3
13 unique J



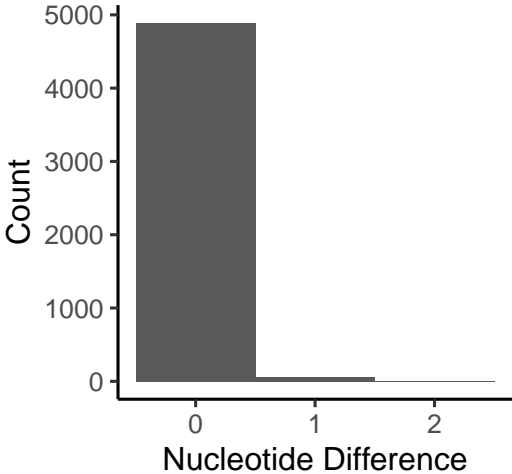
TRBV5-1*ap01

12815 sequences assigned
12650 (98.7%) exact matches, in which:
12407 unique CDR3
13 unique J



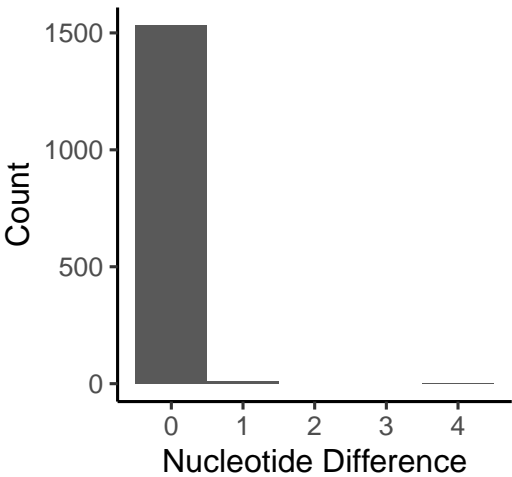
TRBV5-4*ap01

4949 sequences assigned
4888 (98.8%) exact matches, in which:
4815 unique CDR3
13 unique J



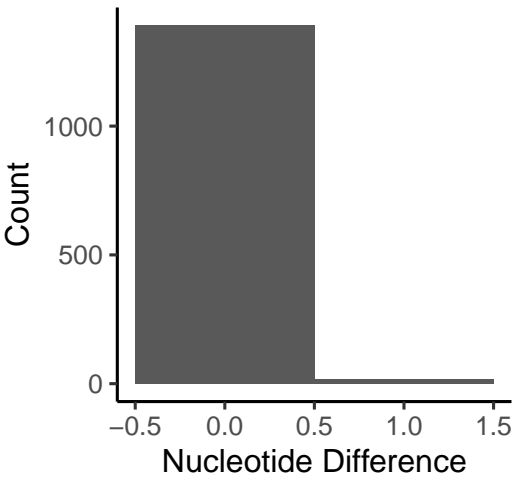
TRBV5-5*ap01

1542 sequences assigned
1532 (99.4%) exact matches, in which:
1520 unique CDR3
13 unique J



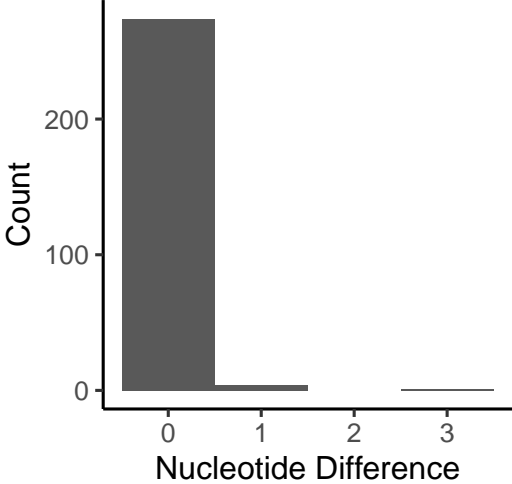
TRBV5-8*ap01

1407 sequences assigned
1391 (98.9%) exact matches, in which:
1379 unique CDR3
13 unique J



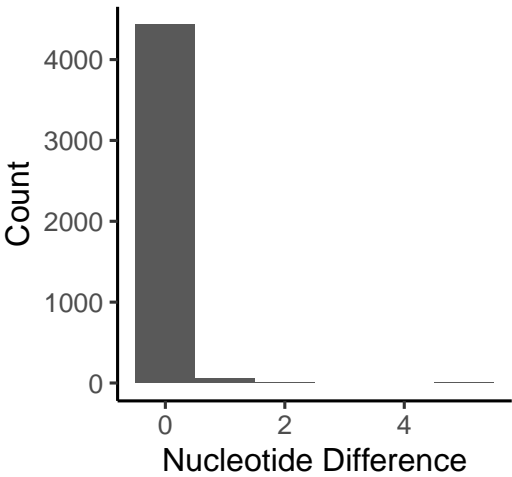
TRBV6-7*ap01

279 sequences assigned
274 (98.2%) exact matches, in which:
271 unique CDR3
13 unique J



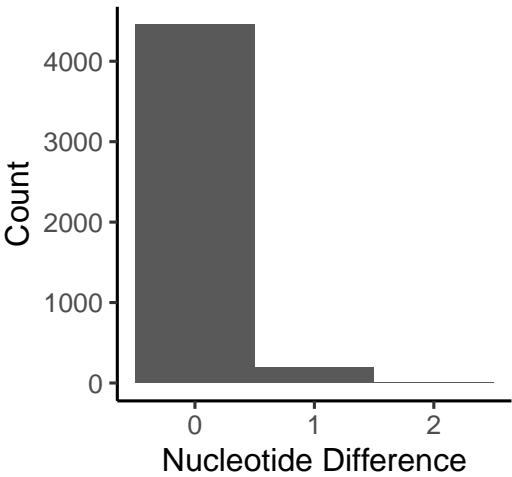
TRBV5-6*ap01

4486 sequences assigned
4431 (98.8%) exact matches, in which:
4301 unique CDR3
13 unique J



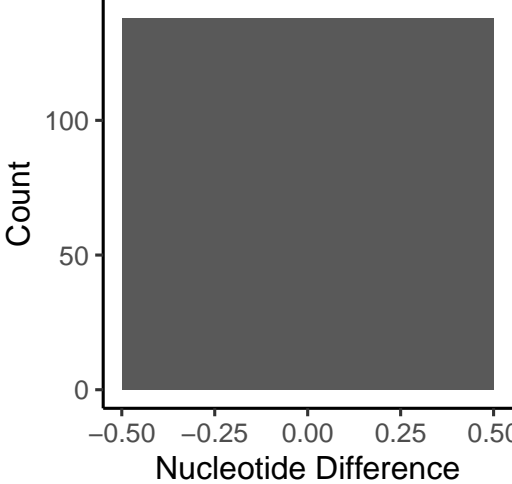
TRBV6-1*ap01

4654 sequences assigned
4454 (95.7%) exact matches, in which:
4333 unique CDR3
13 unique J



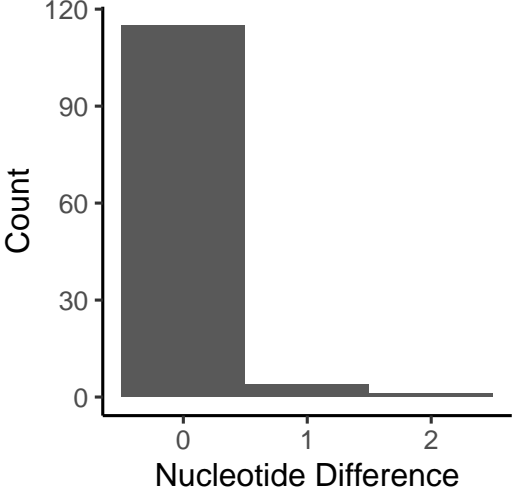
TRBV6-8*ap01

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



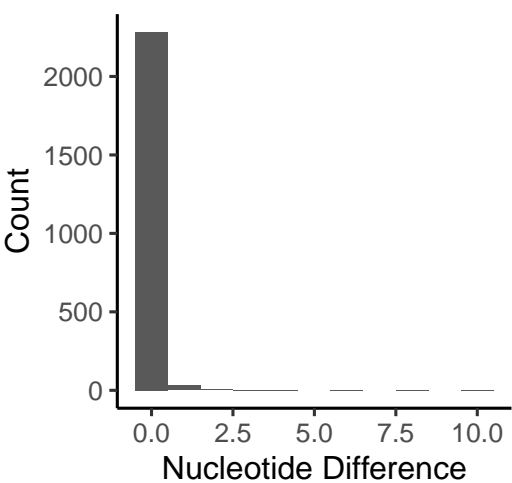
TRBV5-7*ap01

120 sequences assigned
115 (95.8%) exact matches, in which:
107 unique CDR3
13 unique J



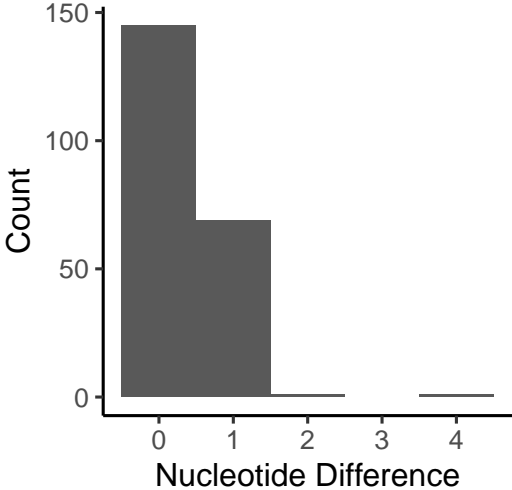
TRBV6-4*ap01

2327 sequences assigned
2283 (98.1%) exact matches, in which:
2260 unique CDR3
13 unique J



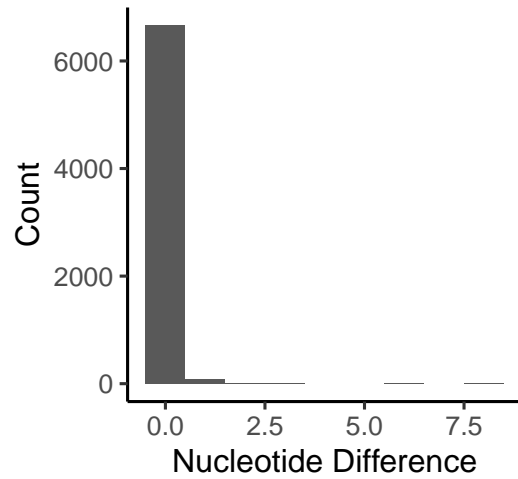
TRBV6-9*ap01

216 sequences assigned
145 (67.1%) exact matches, in which:
143 unique CDR3
13 unique J



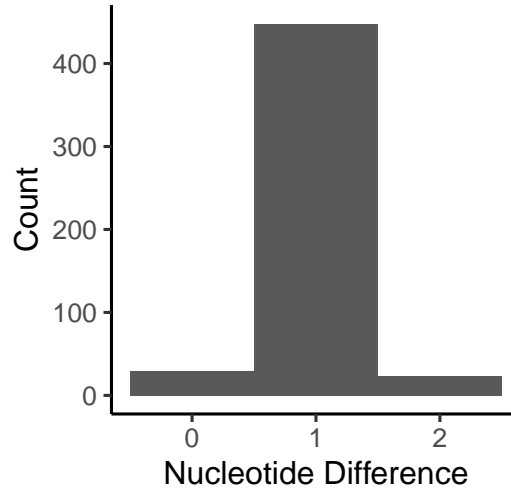
TRBV6-23*ap01

6760 sequences assigned
6661 (98.5%) exact matches, in which:
6496 unique CDR3
13 unique J



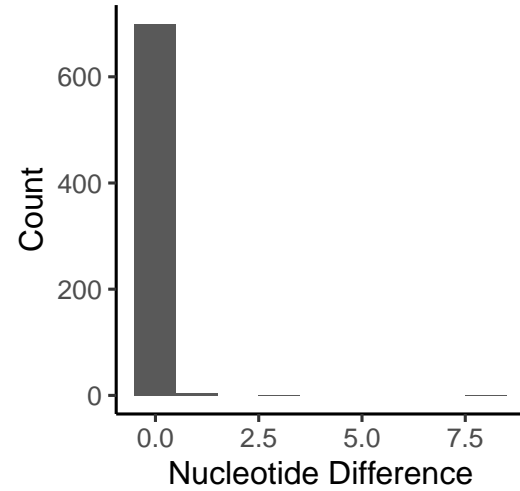
TRBV7-1*ap01_T296C_1

500 sequences assigned
29 (5.8%) exact matches, in which:
29 unique CDR3
11 unique J



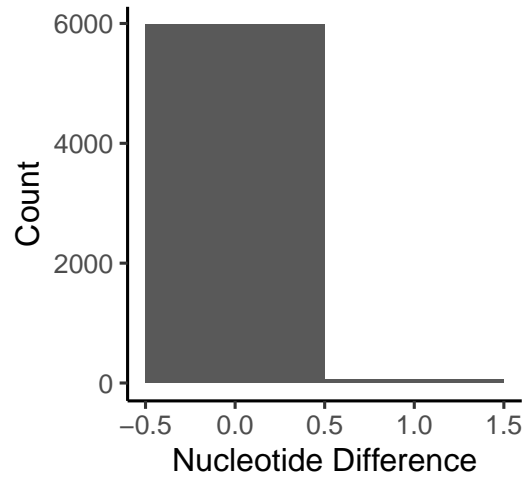
TRBV7-3*ap02

706 sequences assigned
700 (99.2%) exact matches, in which:
695 unique CDR3
13 unique J



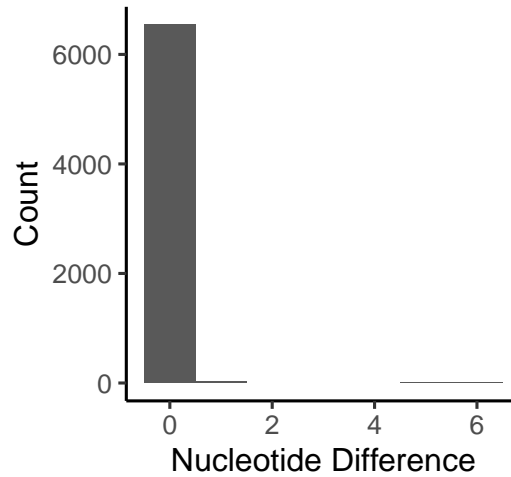
TRBV6-56*ap01

6044 sequences assigned
5979 (98.9%) exact matches, in which:
5834 unique CDR3
13 unique J



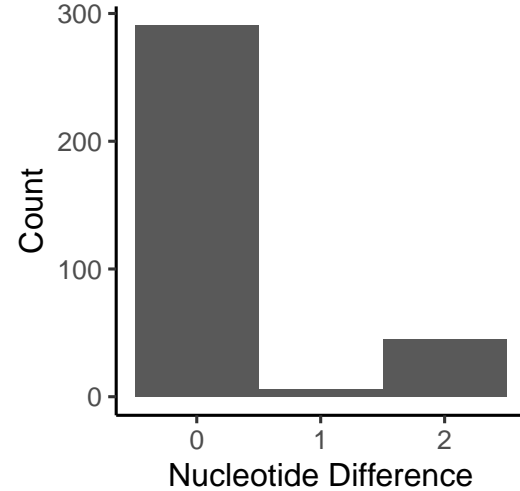
TRBV7-2*ap01

6576 sequences assigned
6542 (99.5%) exact matches, in which:
6498 unique CDR3
13 unique J



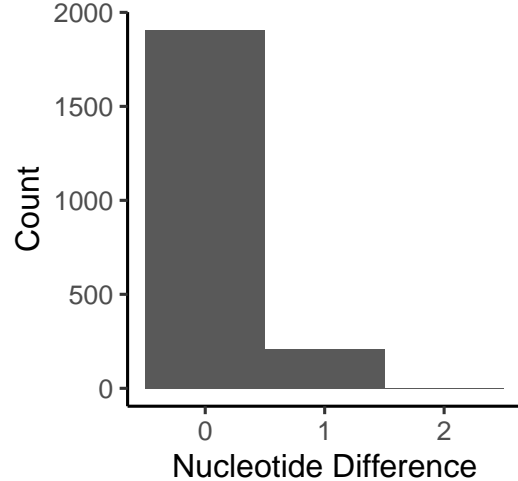
TRBV7-4*ap01

342 sequences assigned
291 (85.1%) exact matches, in which:
288 unique CDR3
13 unique J



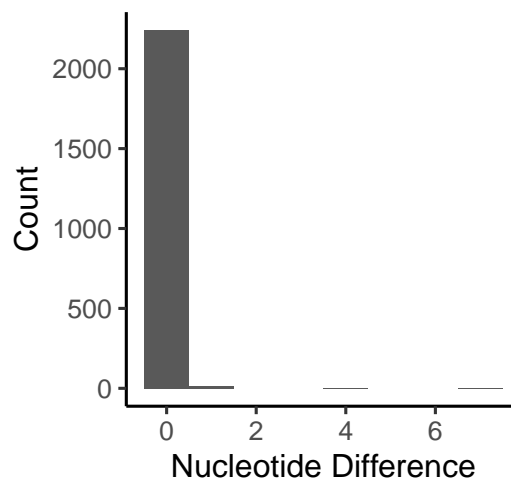
TRBV6-56*ap02

2116 sequences assigned
1906 (90.1%) exact matches, in which:
1854 unique CDR3
13 unique J



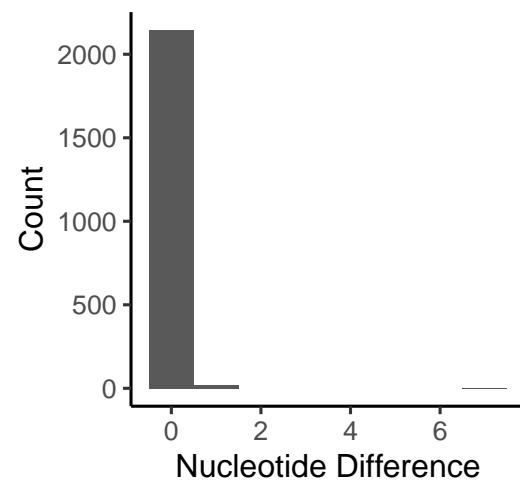
TRBV7-3*ap01

2257 sequences assigned
2242 (99.3%) exact matches, in which:
2224 unique CDR3
13 unique J



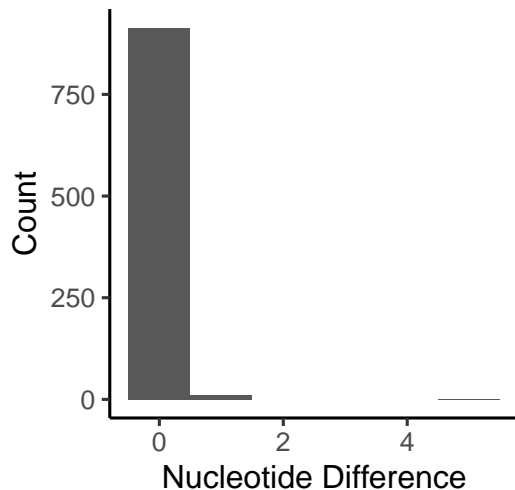
TRBV7-6*ap01

2165 sequences assigned
2145 (99.1%) exact matches, in which:
2121 unique CDR3
14 unique J



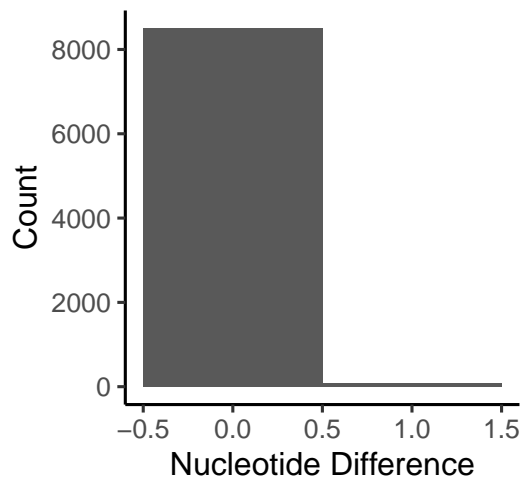
TRBV7-7*ap01_C315T

926 sequences assigned
914 (98.7%) exact matches, in which:
898 unique CDR3
13 unique J



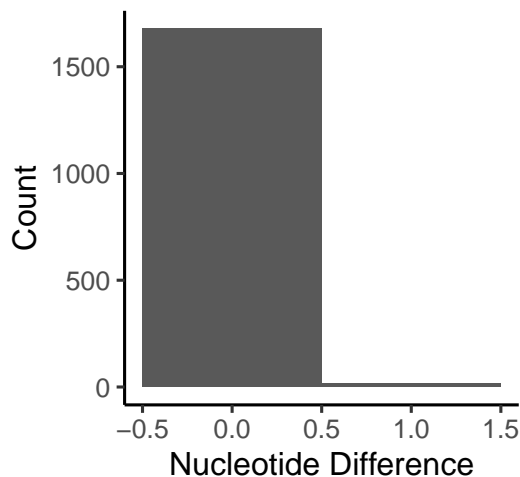
TRBV7-9*ap01

8573 sequences assigned
8500 (99.1%) exact matches, in which:
8395 unique CDR3
13 unique J



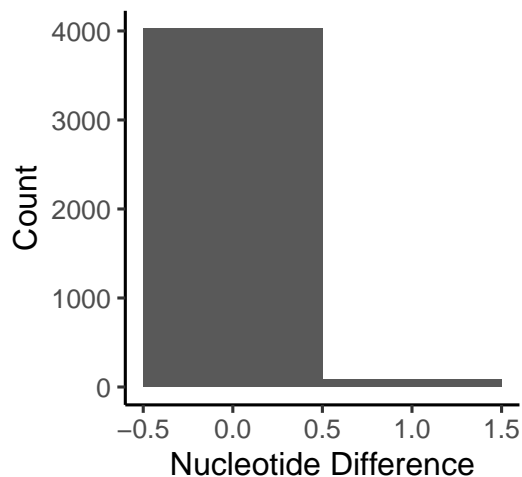
TRBV7-8*ap01

1694 sequences assigned
1678 (99.1%) exact matches, in which:
1660 unique CDR3
13 unique J



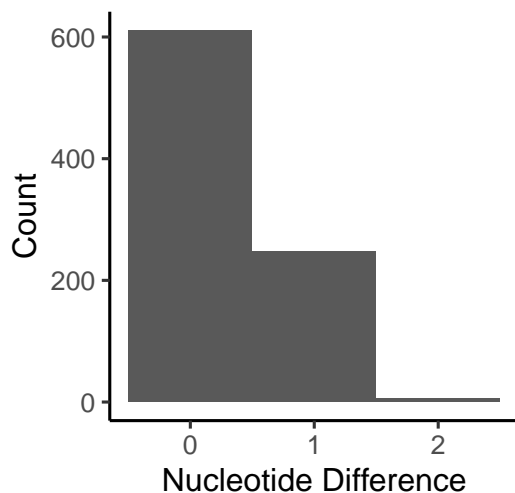
TRBV29-1*ap01

4110 sequences assigned
4025 (97.9%) exact matches, in which:
3887 unique CDR3
13 unique J



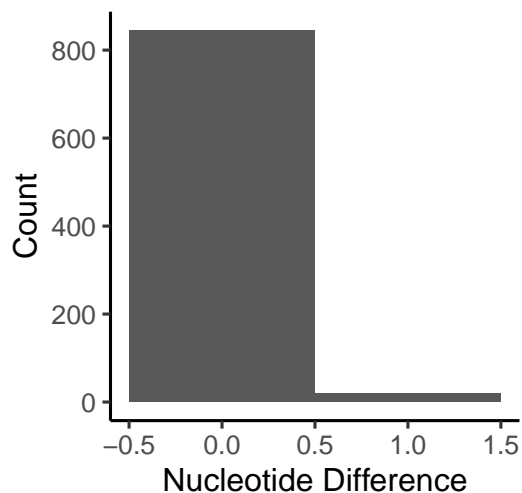
TRBV7-8*ap03

864 sequences assigned
611 (70.7%) exact matches, in which:
600 unique CDR3
13 unique J

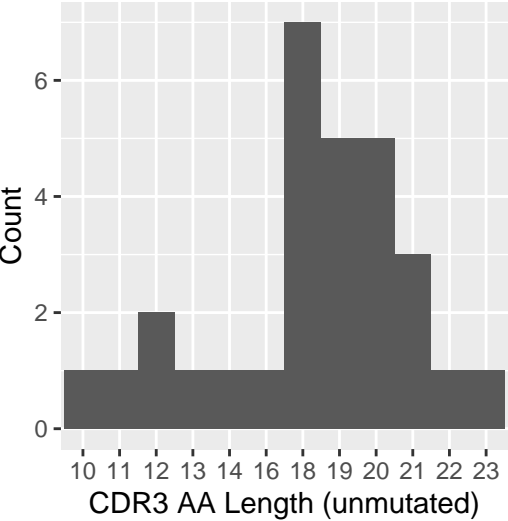


TRBV29-1*ap02

865 sequences assigned
845 (97.7%) exact matches, in which:
818 unique CDR3
13 unique J



TRBV7-1*ap01_T296C_T300C



TRBV7-7*ap01_C315T

