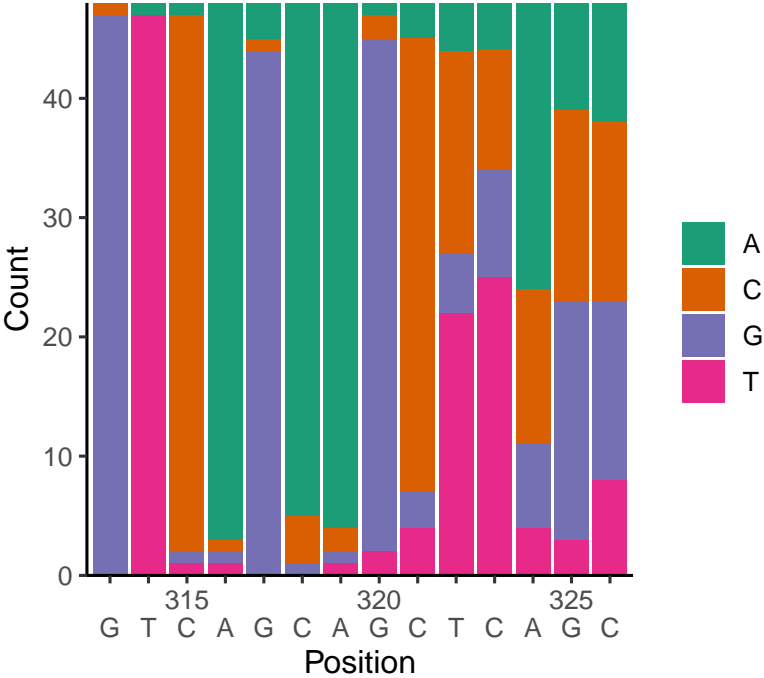
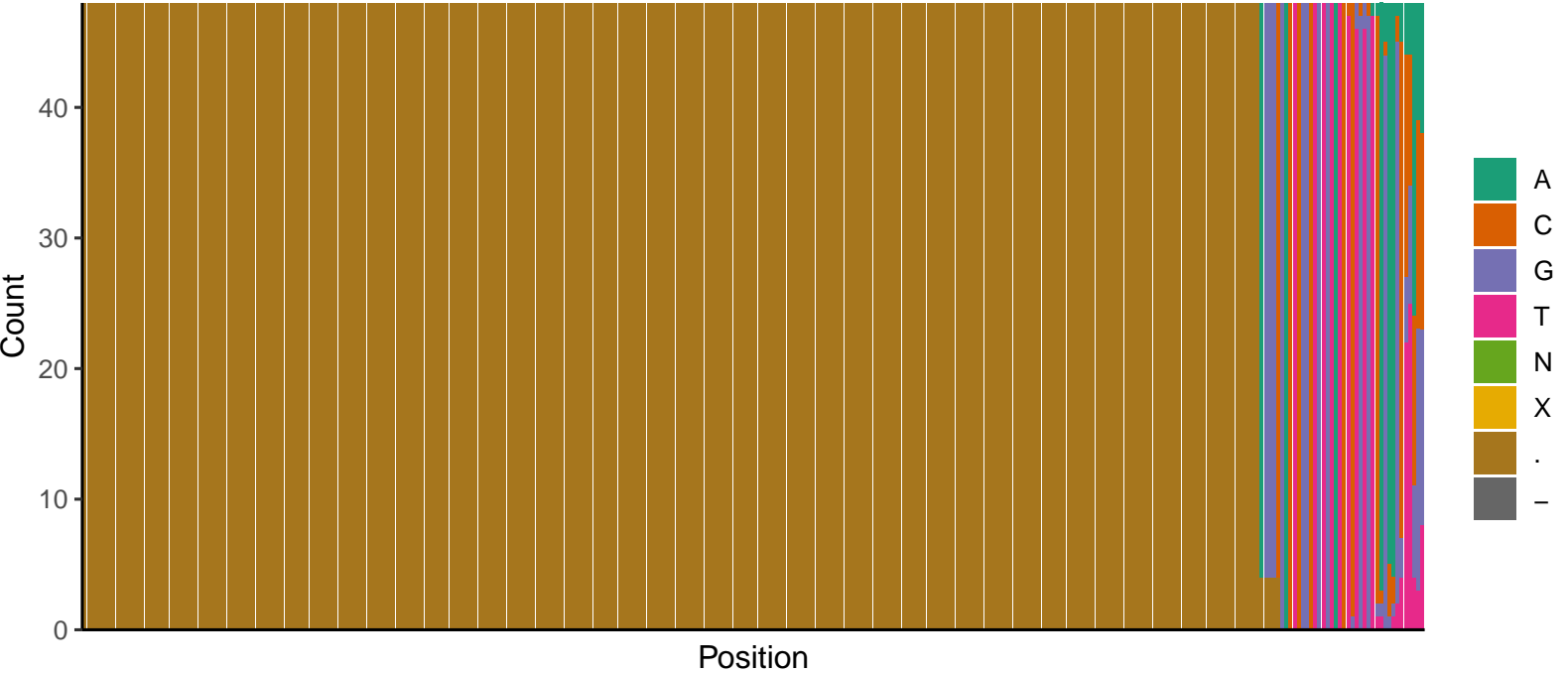


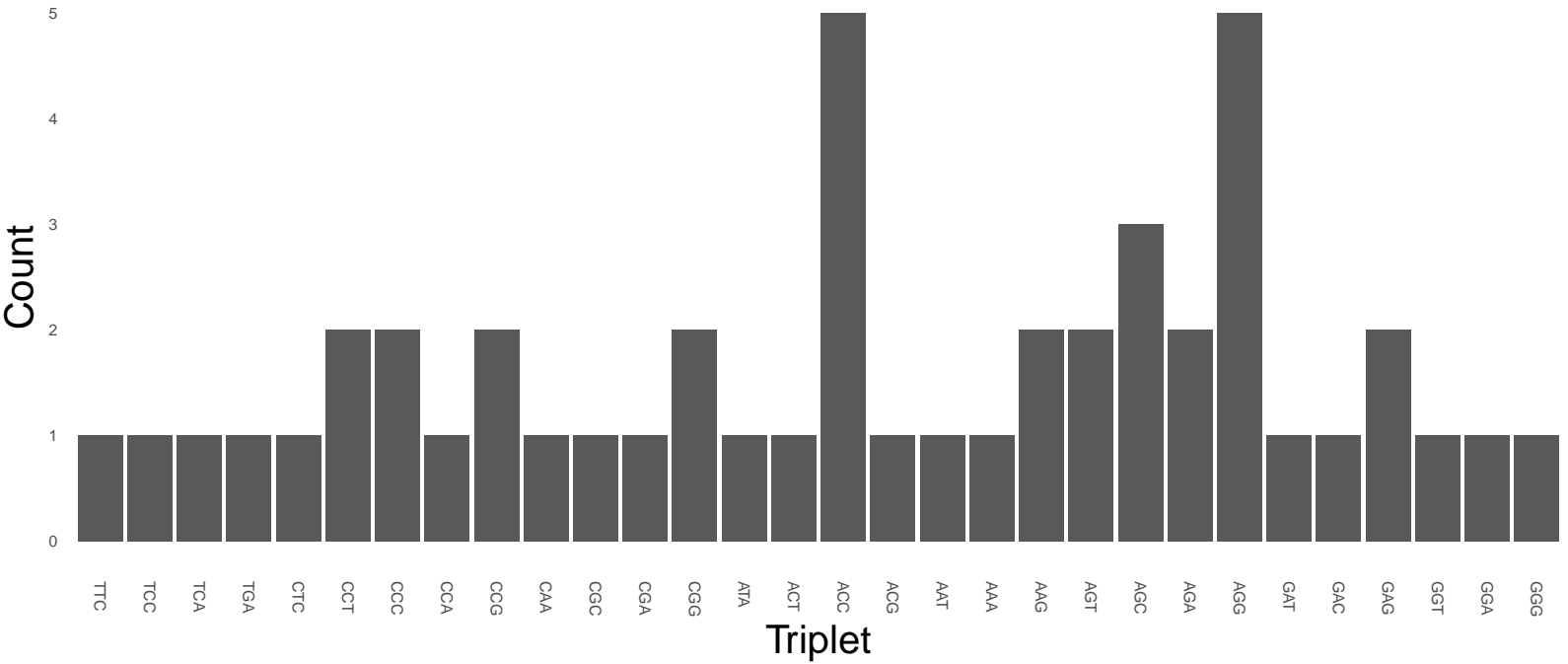
Gene TRBV7-1*ap01_T296C_C314T



Gene TRBV7-1*ap01_T296C_C314T

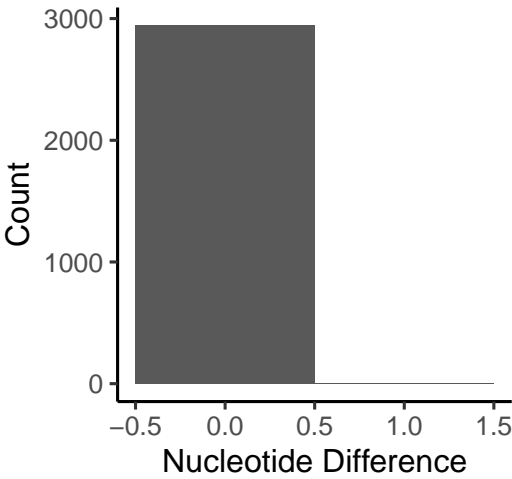


TRBV7-1*ap01_T296C_C314T- Final 3 nucleotides as a triplet



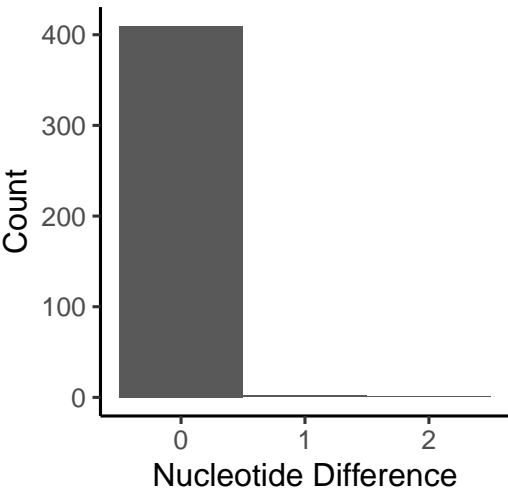
TRBV20–1*ap01

2950 sequences assigned
2944 (99.8%) exact matches, in which:
2932 unique CDR3
13 unique J



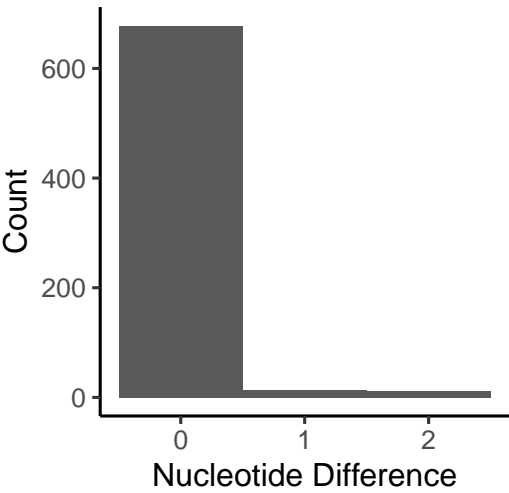
TRBV10–2*ap01

413 sequences assigned
410 (99.3%) exact matches, in which:
410 unique CDR3
13 unique J



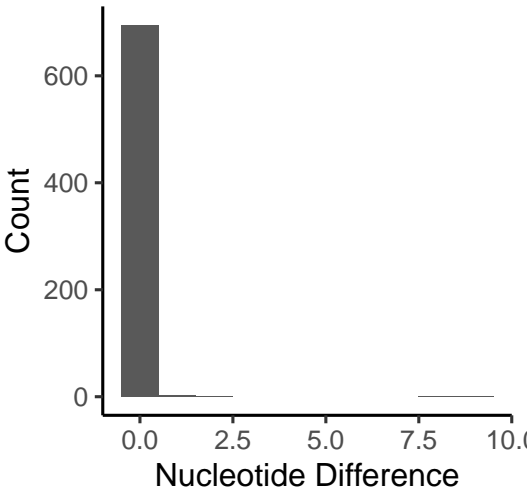
TRBV13*ap01

703 sequences assigned
678 (96.4%) exact matches, in which:
673 unique CDR3
13 unique J



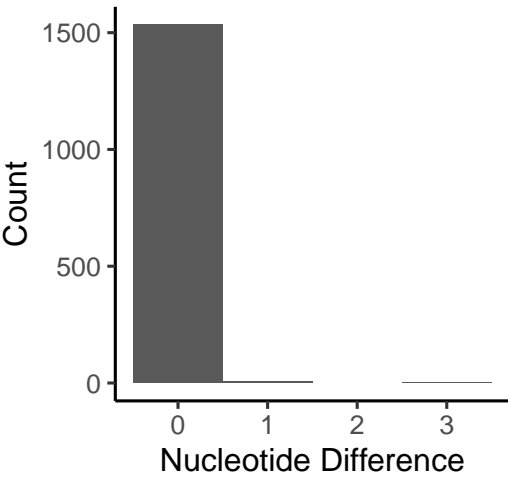
TRBV10–1*ap01

700 sequences assigned
695 (99.3%) exact matches, in which:
694 unique CDR3
13 unique J



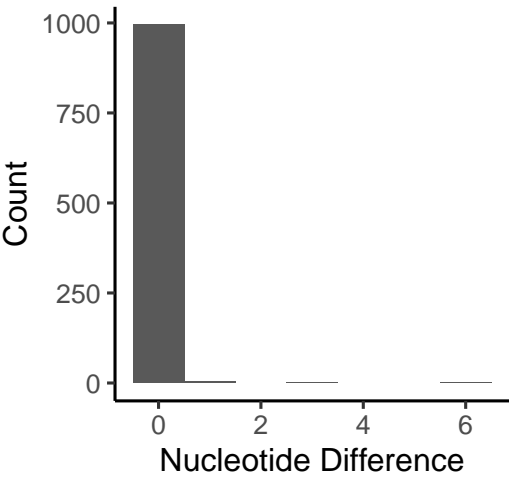
TRBV10–3*ap01

1543 sequences assigned
1534 (99.4%) exact matches, in which:
1530 unique CDR3
13 unique J



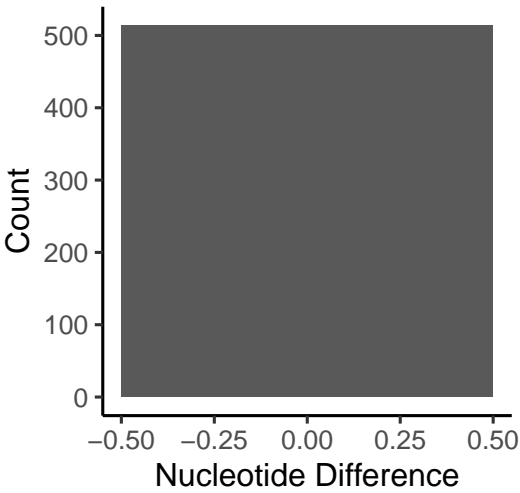
TRBV14*ap01

1002 sequences assigned
995 (99.3%) exact matches, in which:
995 unique CDR3
13 unique J



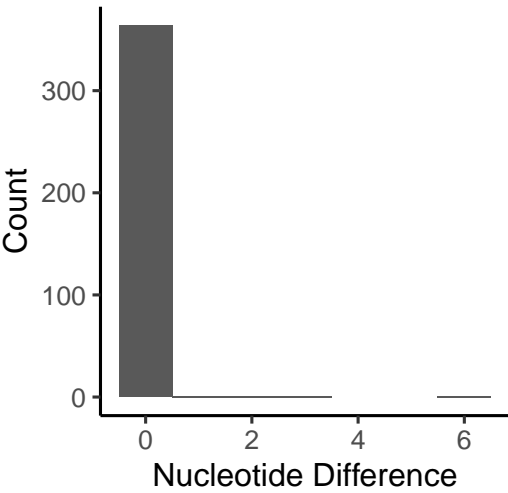
TRBV20–1*ap02

514 sequences assigned
514 (100%) exact matches, in which:
511 unique CDR3
13 unique J



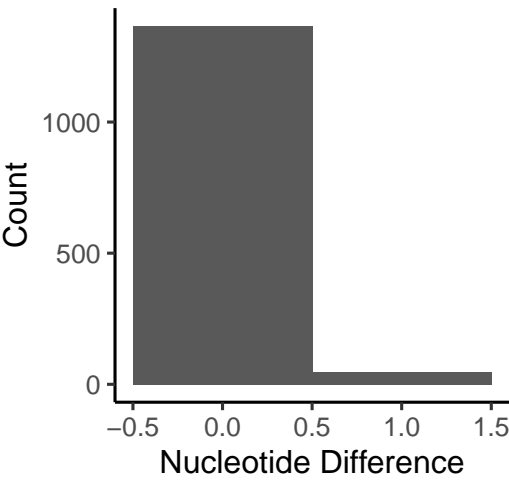
TRBV1*ap01

368 sequences assigned
364 (98.9%) exact matches, in which:
361 unique CDR3
13 unique J



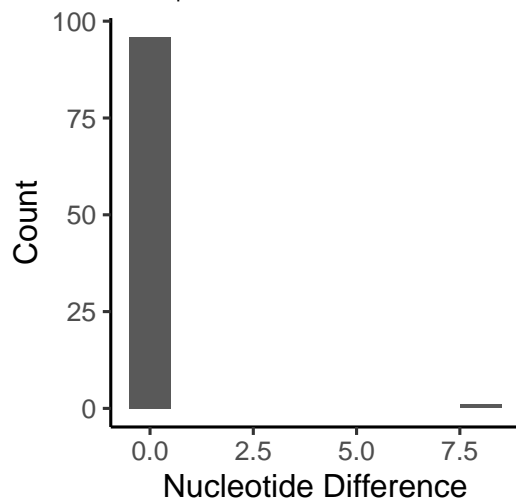
TRBV15*ap02

1412 sequences assigned
1366 (96.7%) exact matches, in which:
1360 unique CDR3
13 unique J



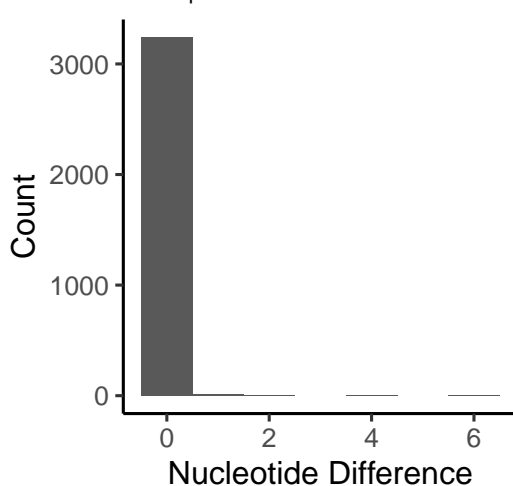
TRBV16*ap01

97 sequences assigned
96 (99%) exact matches, in which:
96 unique CDR3
12 unique J



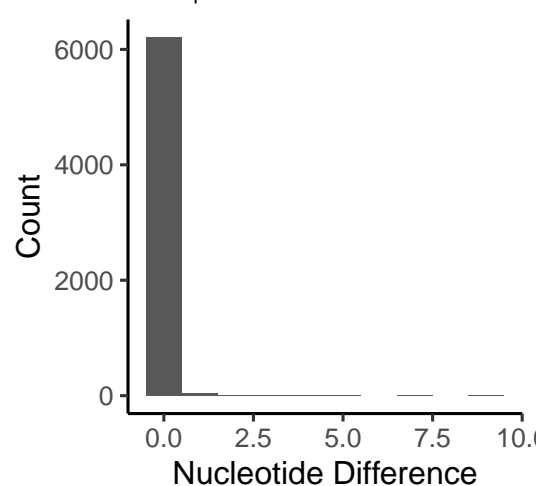
TRBV2*ap01

3253 sequences assigned
3240 (99.6%) exact matches, in which:
3231 unique CDR3
14 unique J



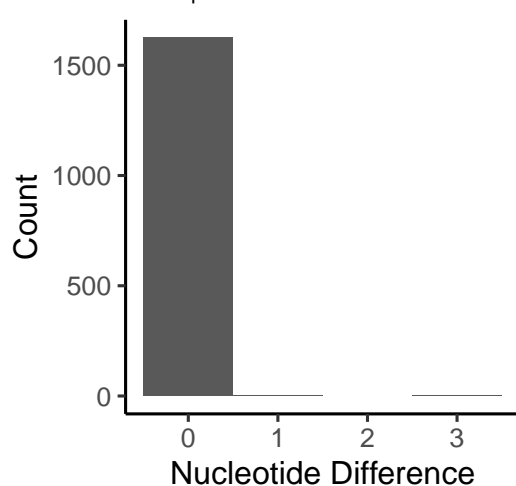
TRBV30*ap01

6263 sequences assigned
6208 (99.1%) exact matches, in which:
6173 unique CDR3
13 unique J



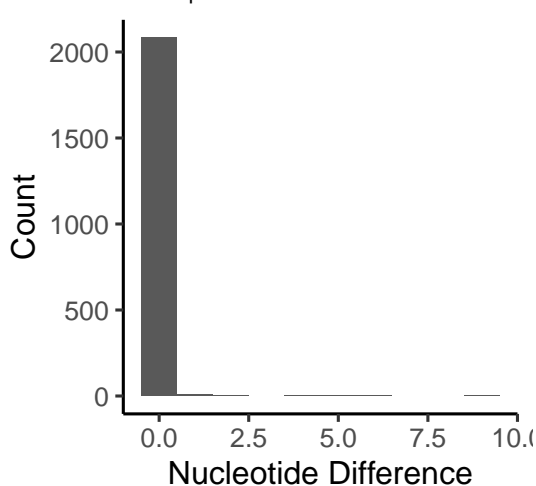
TRBV18*ap01

1627 sequences assigned
1625 (99.9%) exact matches, in which:
1622 unique CDR3
13 unique J



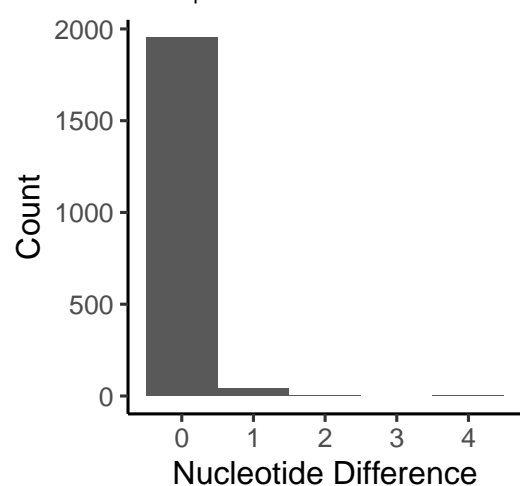
TRBV27*ap01

2096 sequences assigned
2083 (99.4%) exact matches, in which:
2076 unique CDR3
13 unique J



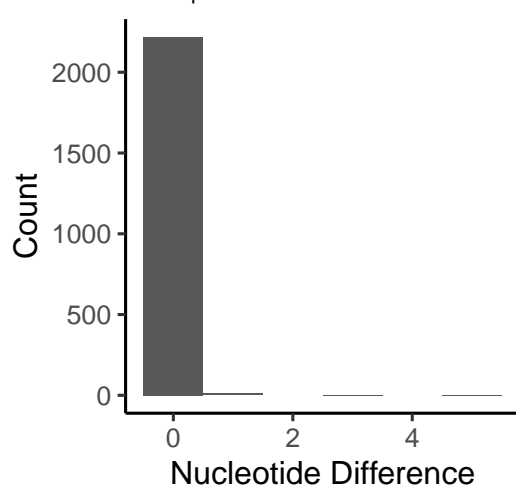
TRBV9*ap01

1998 sequences assigned
1952 (97.7%) exact matches, in which:
1946 unique CDR3
13 unique J



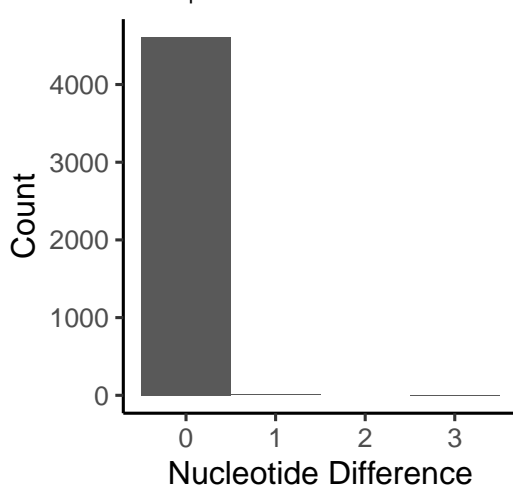
TRBV19*ap01

2232 sequences assigned
2218 (99.4%) exact matches, in which:
2213 unique CDR3
13 unique J



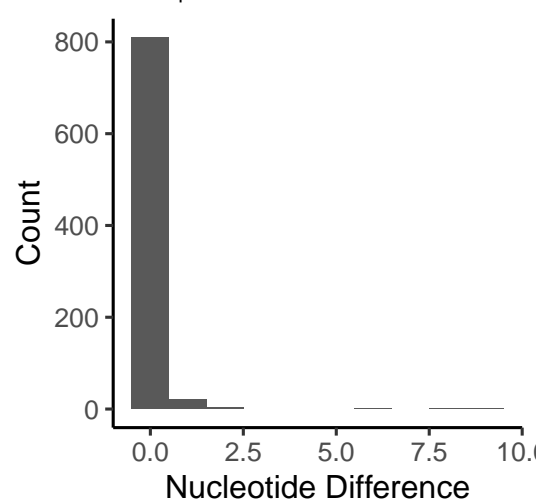
TRBV28*ap01

4622 sequences assigned
4611 (99.8%) exact matches, in which:
4606 unique CDR3
13 unique J



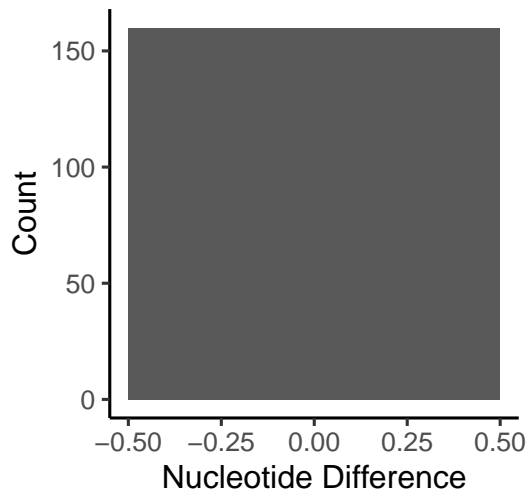
TRBV21-1*ap01

838 sequences assigned
810 (96.7%) exact matches, in which:
806 unique CDR3
13 unique J



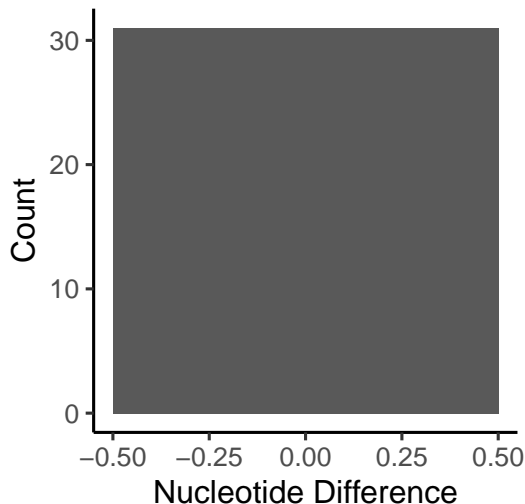
TRBV11-1*ap01

160 sequences assigned
160 (100%) exact matches, in which:
159 unique CDR3
13 unique J



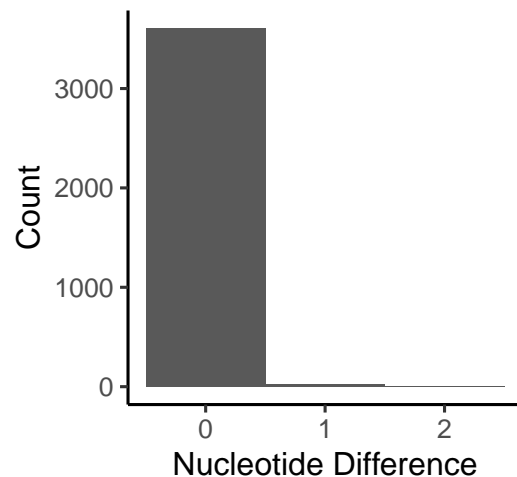
TRBV12-1*ap01

31 sequences assigned
31 (100%) exact matches, in which:
31 unique CDR3
9 unique J



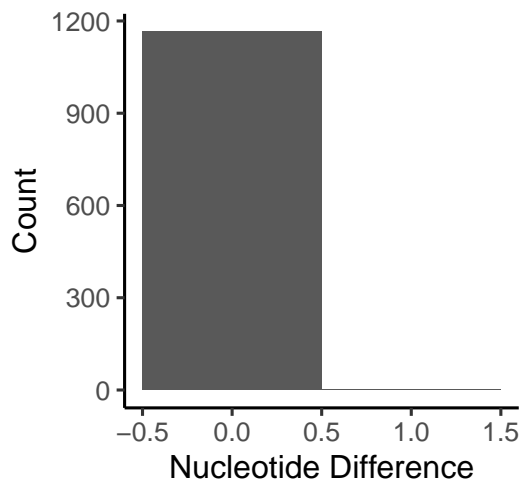
TRBV12-34*ap01

3628 sequences assigned
3605 (99.4%) exact matches, in which:
3598 unique CDR3
13 unique J



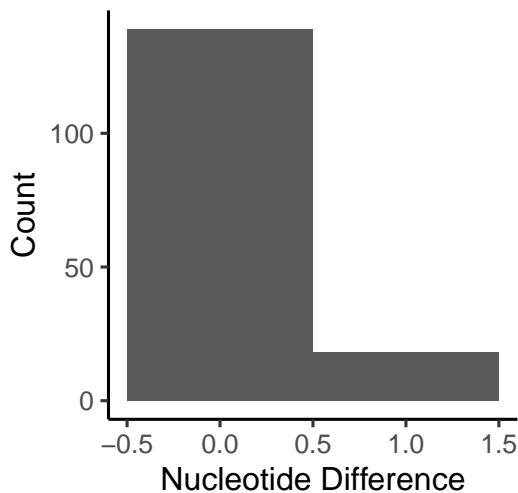
TRBV11-2*ap01

1168 sequences assigned
1165 (99.7%) exact matches, in which:
1163 unique CDR3
13 unique J



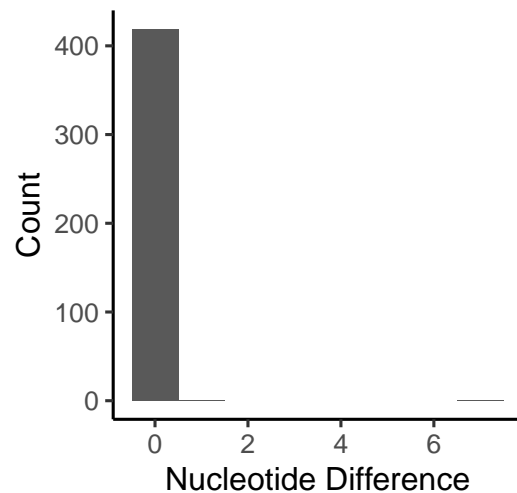
TRBV12-2*ap01

157 sequences assigned
139 (88.5%) exact matches, in which:
139 unique CDR3
12 unique J



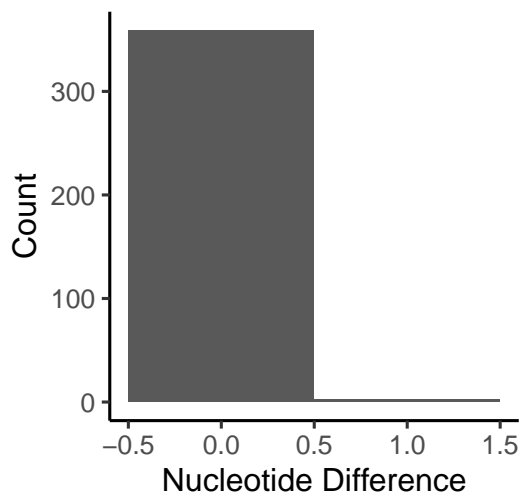
TRBV23-1*ap01

421 sequences assigned
419 (99.5%) exact matches, in which:
419 unique CDR3
13 unique J



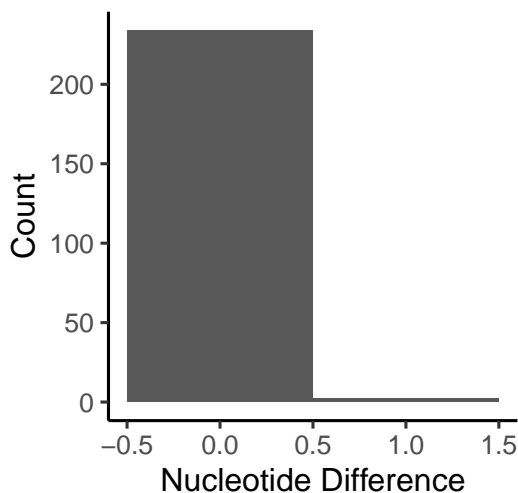
TRBV11-3*ap01

361 sequences assigned
359 (99.4%) exact matches, in which:
358 unique CDR3
13 unique J



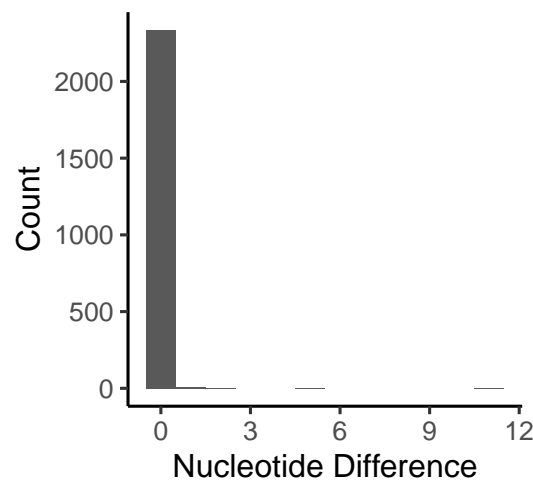
TRBV12-5*ap01

236 sequences assigned
234 (99.2%) exact matches, in which:
234 unique CDR3
13 unique J



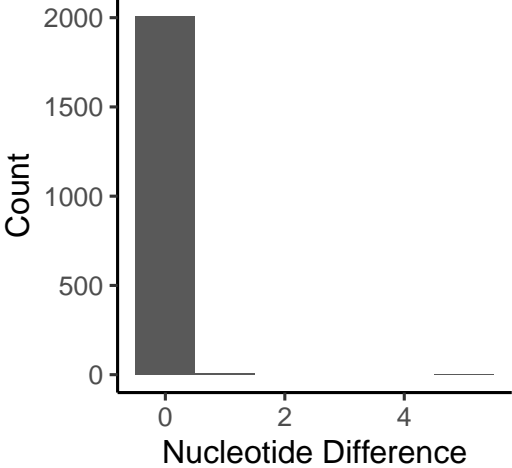
TRBV3-12*ap01

2345 sequences assigned
2335 (99.6%) exact matches, in which:
2333 unique CDR3
13 unique J



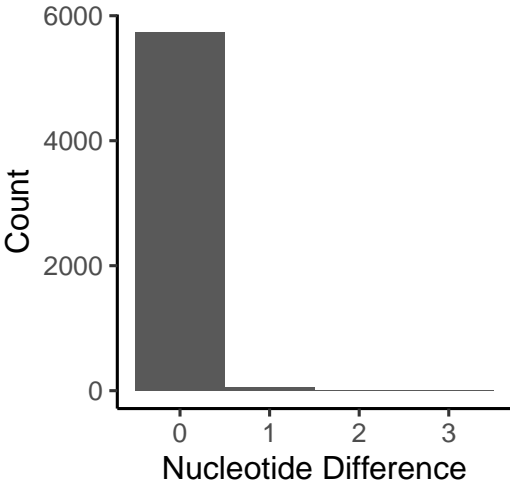
TRBV4-1*ap01

2017 sequences assigned
2007 (99.5%) exact matches, in which:
2004 unique CDR3
13 unique J



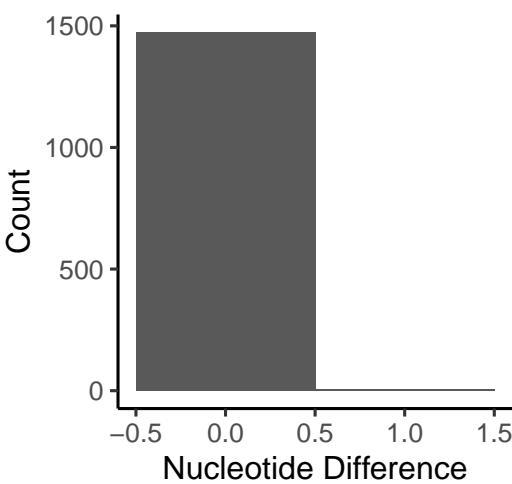
TRBV5-1*ap01

5789 sequences assigned
5733 (99%) exact matches, in which:
5721 unique CDR3
13 unique J



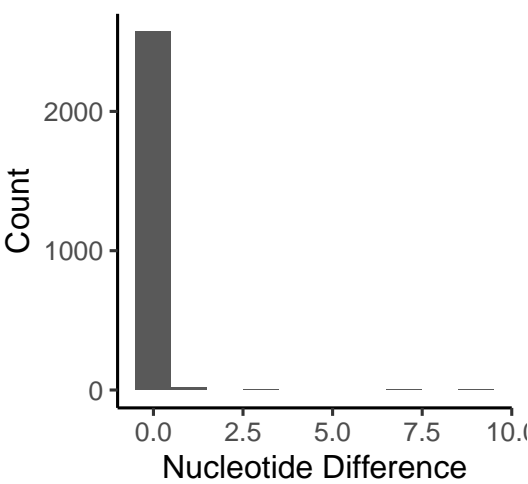
TRBV5-4*ap01

1479 sequences assigned
1473 (99.6%) exact matches, in which:
1467 unique CDR3
13 unique J



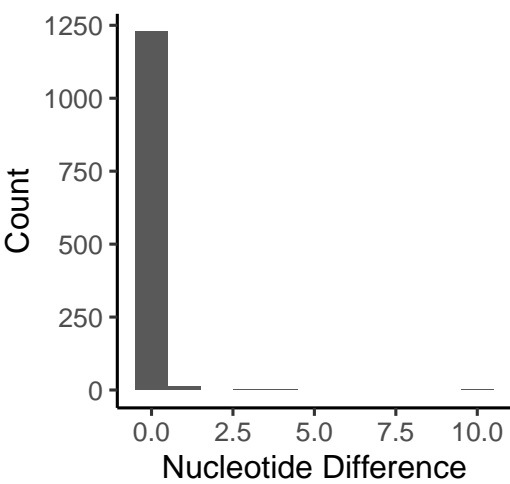
TRBV24-1*ap01

2591 sequences assigned
2572 (99.3%) exact matches, in which:
2550 unique CDR3
13 unique J



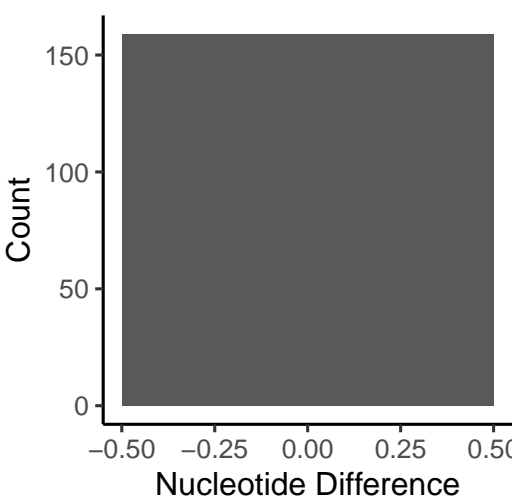
TRBV25-1*ap01

1243 sequences assigned
1228 (98.8%) exact matches, in which:
1226 unique CDR3
13 unique J



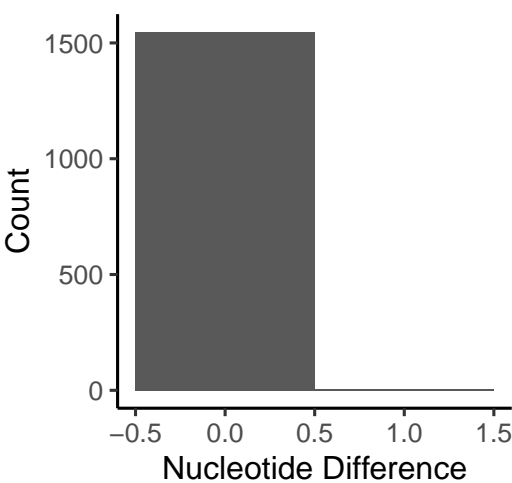
TRBV5-5*ap01

159 sequences assigned
159 (100%) exact matches, in which:
159 unique CDR3
13 unique J



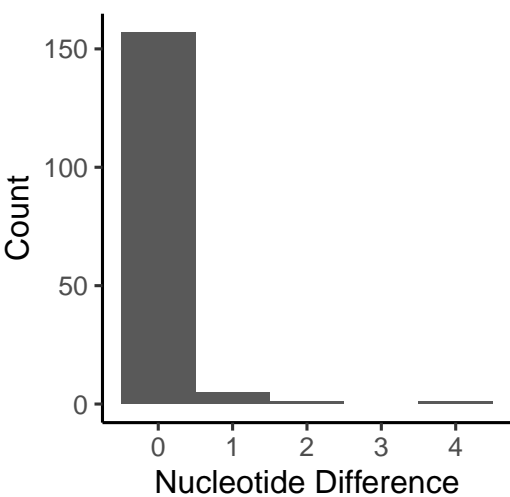
TRBV4-2*ap01

1554 sequences assigned
1547 (99.5%) exact matches, in which:
1541 unique CDR3
13 unique J



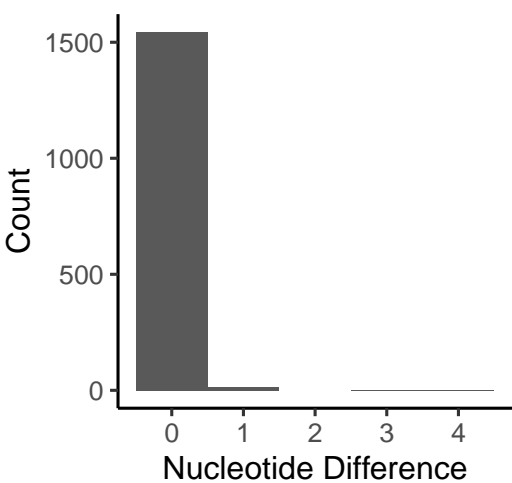
TRBV5-3*ap01

164 sequences assigned
157 (95.7%) exact matches, in which:
157 unique CDR3
13 unique J



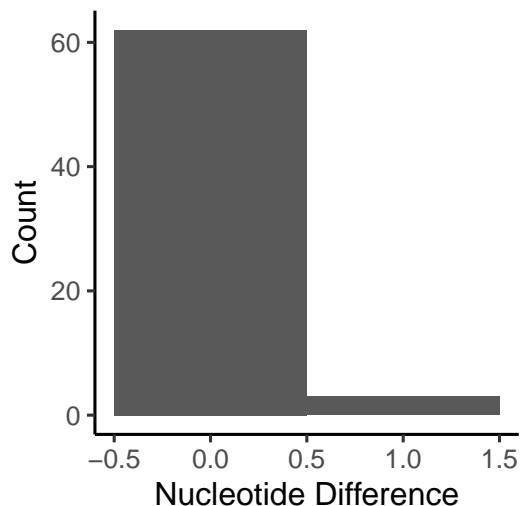
TRBV5-6*ap01

1560 sequences assigned
1544 (99%) exact matches, in which:
1538 unique CDR3
13 unique J



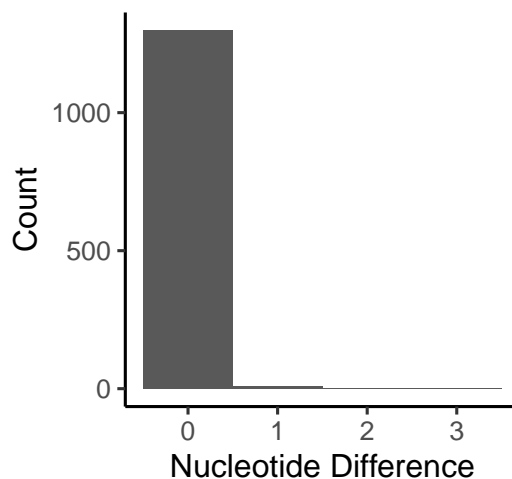
TRBV5-7*ap01

65 sequences assigned
62 (95.4%) exact matches, in which:
62 unique CDR3
11 unique J



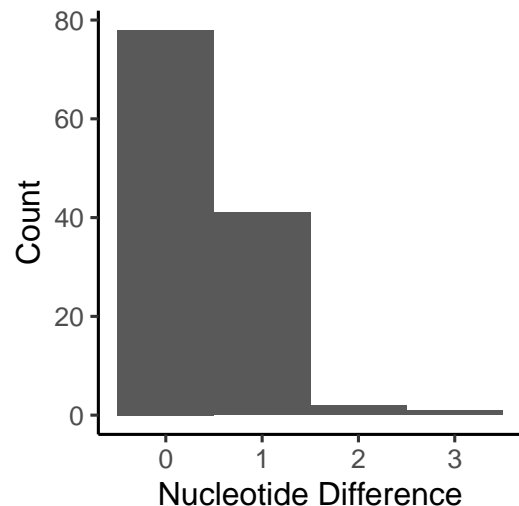
TRBV6-4*ap01

1309 sequences assigned
1298 (99.2%) exact matches, in which:
1297 unique CDR3
13 unique J



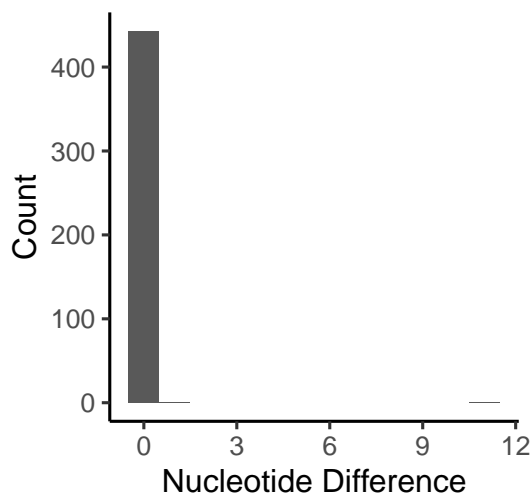
TRBV6-9*ap01

122 sequences assigned
78 (63.9%) exact matches, in which:
78 unique CDR3
13 unique J



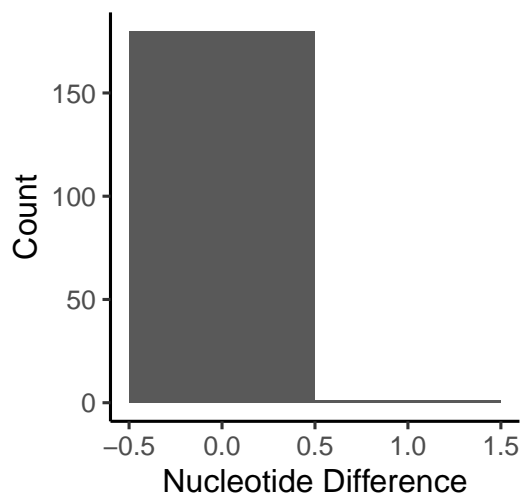
TRBV5-8*ap01

445 sequences assigned
443 (99.6%) exact matches, in which:
443 unique CDR3
13 unique J



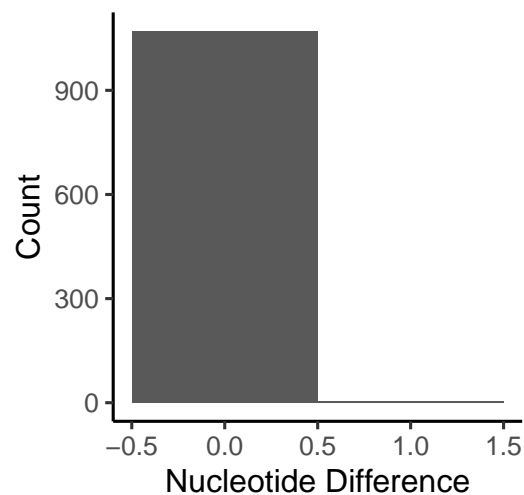
TRBV6-7*ap01

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



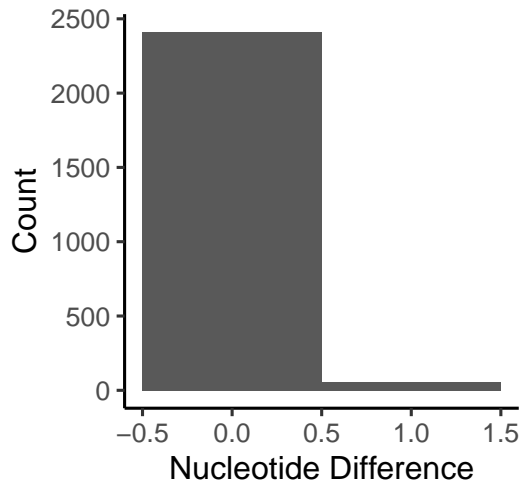
TRBV6-23*ap01

1075 sequences assigned
1071 (99.6%) exact matches, in which:
1070 unique CDR3
13 unique J



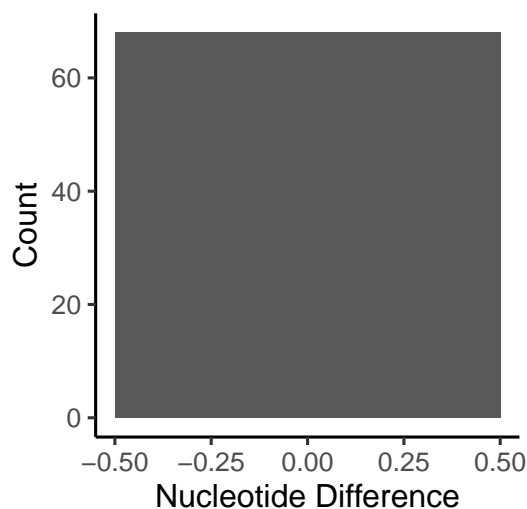
TRBV6-1*ap01

2469 sequences assigned
2411 (97.7%) exact matches, in which:
2404 unique CDR3
13 unique J



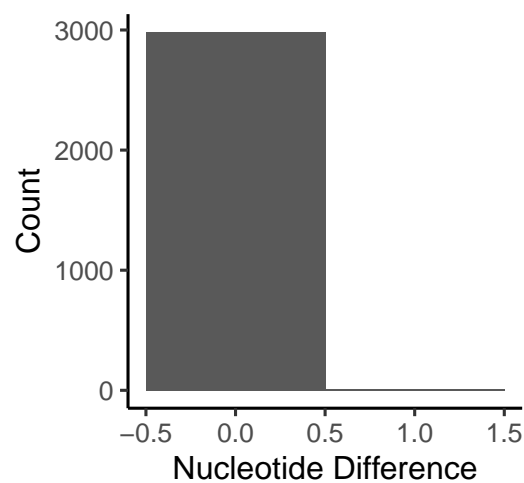
TRBV6-8*ap01

68 sequences assigned
68 (100%) exact matches, in which:
68 unique CDR3
12 unique J



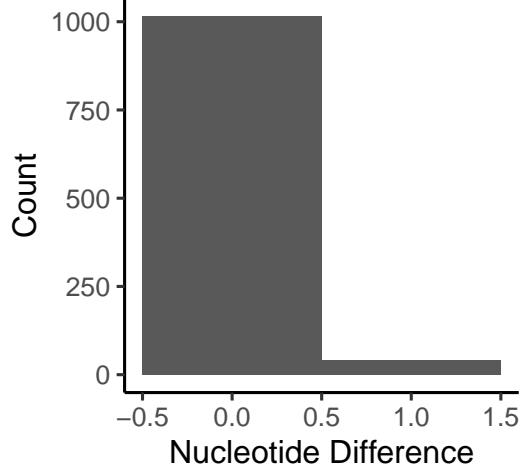
TRBV6-56*ap01

2995 sequences assigned
2983 (99.6%) exact matches, in which:
2967 unique CDR3
13 unique J



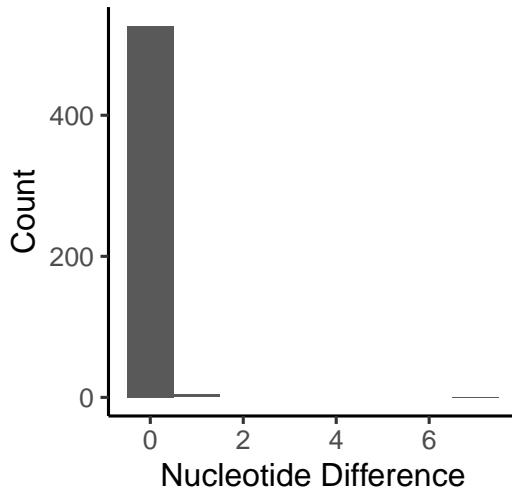
TRBV6-56*ap02

1056 sequences assigned
1015 (96.1%) exact matches, in which:
1006 unique CDR3
13 unique J



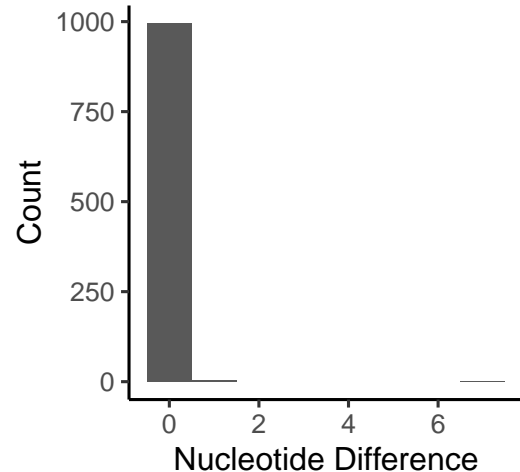
TRBV7-3*ap01

532 sequences assigned
527 (99.1%) exact matches, in which:
526 unique CDR3
13 unique J



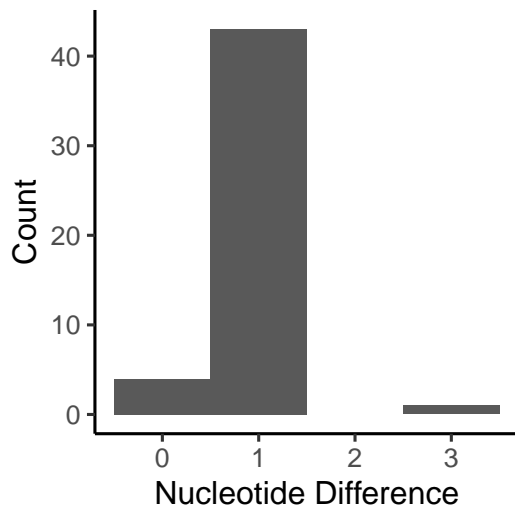
TRBV7-6*ap01

1000 sequences assigned
995 (99.5%) exact matches, in which:
992 unique CDR3
13 unique J



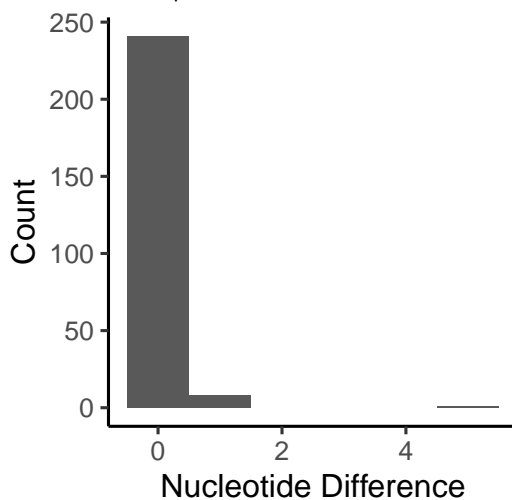
TRBV7-1*ap01_T296C_C

48 sequences assigned
4 (8.3%) exact matches, in which:
4 unique CDR3
3 unique J



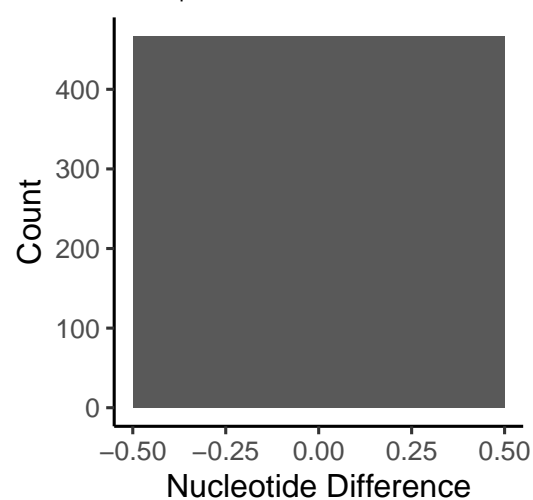
TRBV7-3*ap03

250 sequences assigned
241 (96.4%) exact matches, in which:
241 unique CDR3
13 unique J



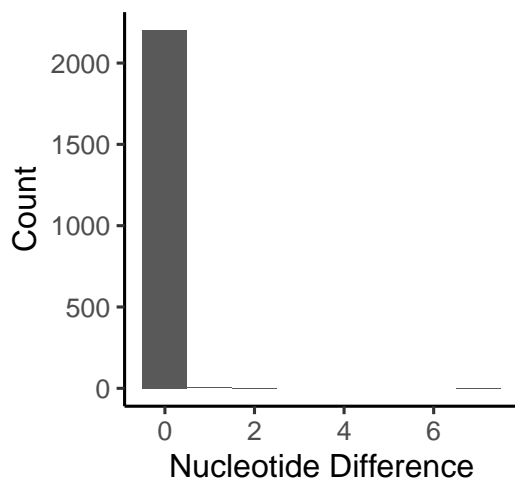
TRBV7-7*ap01

467 sequences assigned
467 (100%) exact matches, in which:
466 unique CDR3
13 unique J



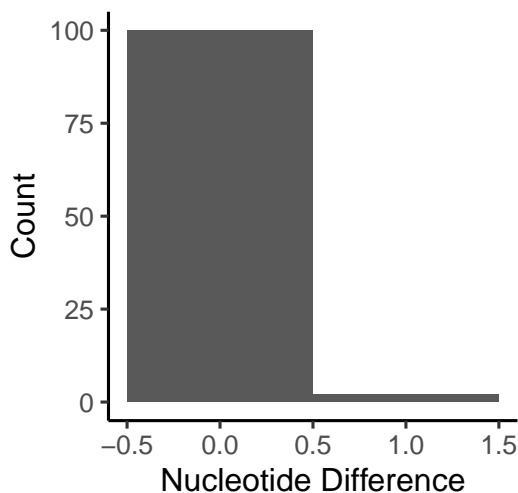
TRBV7-2*ap01

2211 sequences assigned
2203 (99.6%) exact matches, in which:
2197 unique CDR3
13 unique J



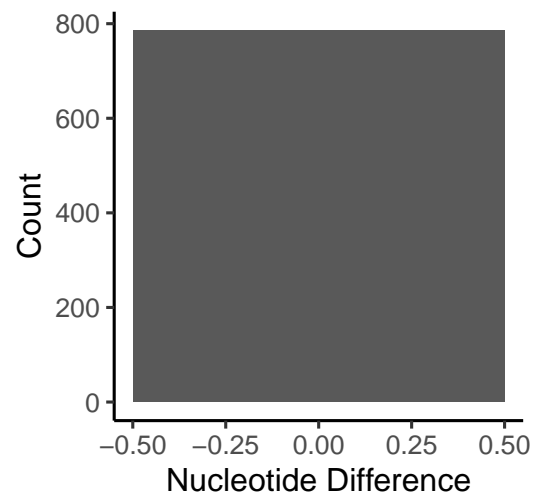
TRBV7-4*ap01

102 sequences assigned
100 (98%) exact matches, in which:
99 unique CDR3
13 unique J



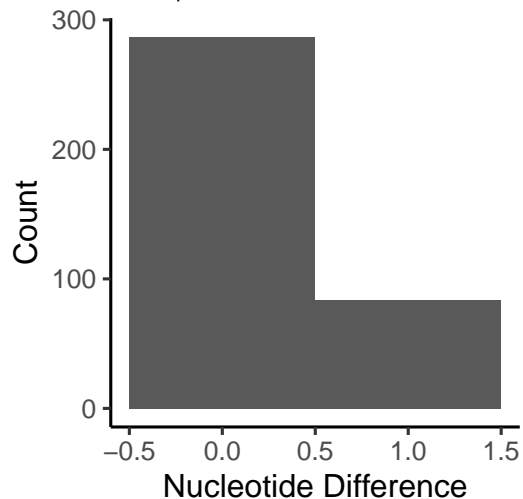
TRBV7-8*ap01

786 sequences assigned
786 (100%) exact matches, in which:
785 unique CDR3
13 unique J



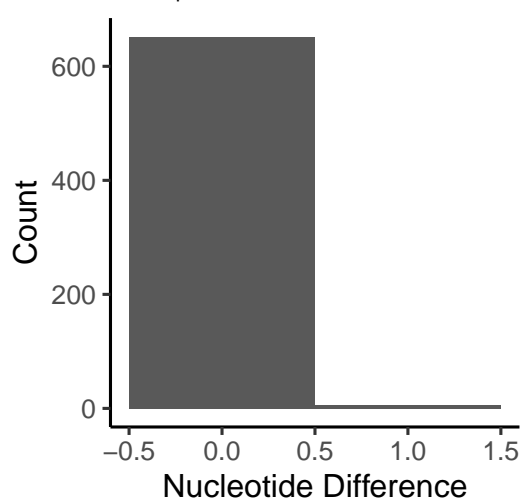
TRBV7–8*ap03

371 sequences assigned
287 (77.4%) exact matches, in which:
286 unique CDR3
13 unique J



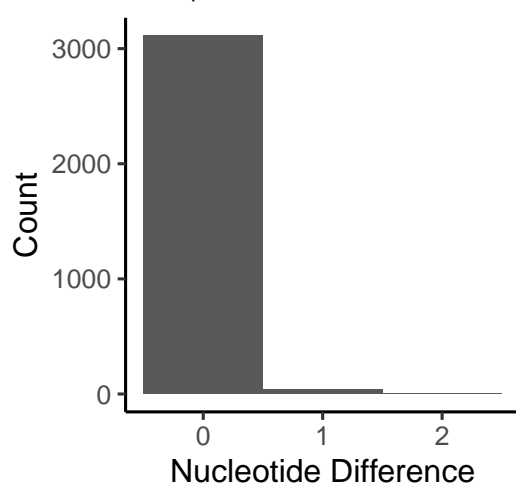
TRBV29–1*ap02

658 sequences assigned
652 (99.1%) exact matches, in which:
642 unique CDR3
13 unique J



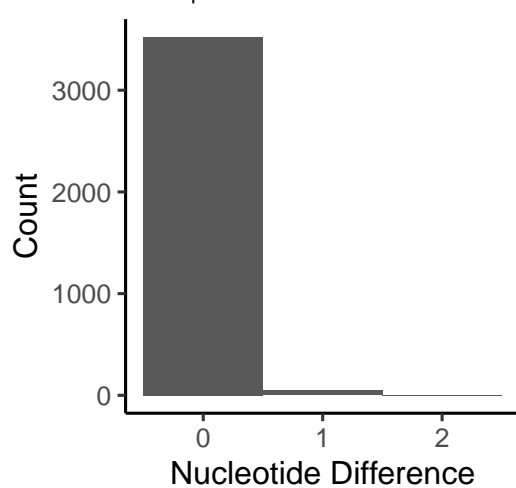
TRBV7–9*ap01

3152 sequences assigned
3112 (98.7%) exact matches, in which:
3104 unique CDR3
13 unique J

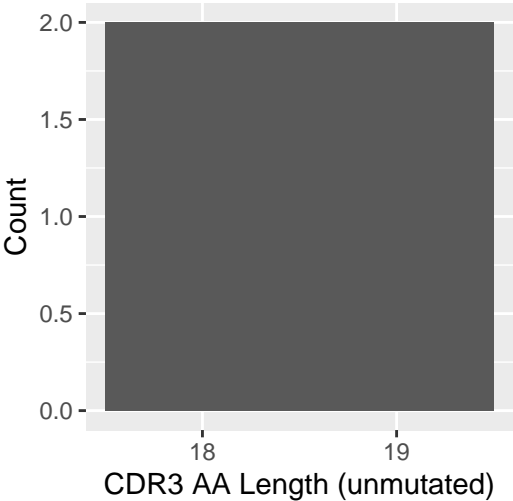


TRBV29–1*ap01

3571 sequences assigned
3523 (98.7%) exact matches, in which:
3489 unique CDR3
13 unique J



TRBV7-1*ap01_T296C_C314T





[illegible]