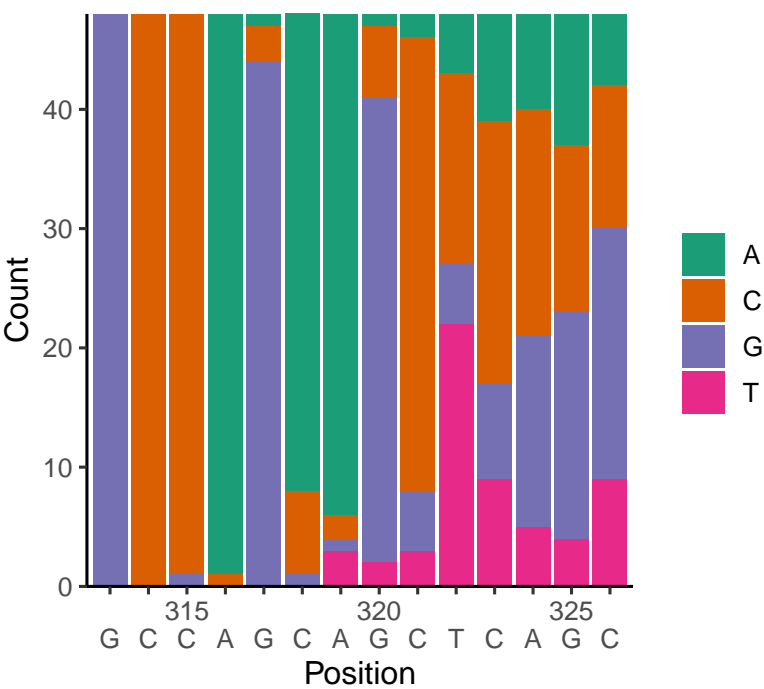
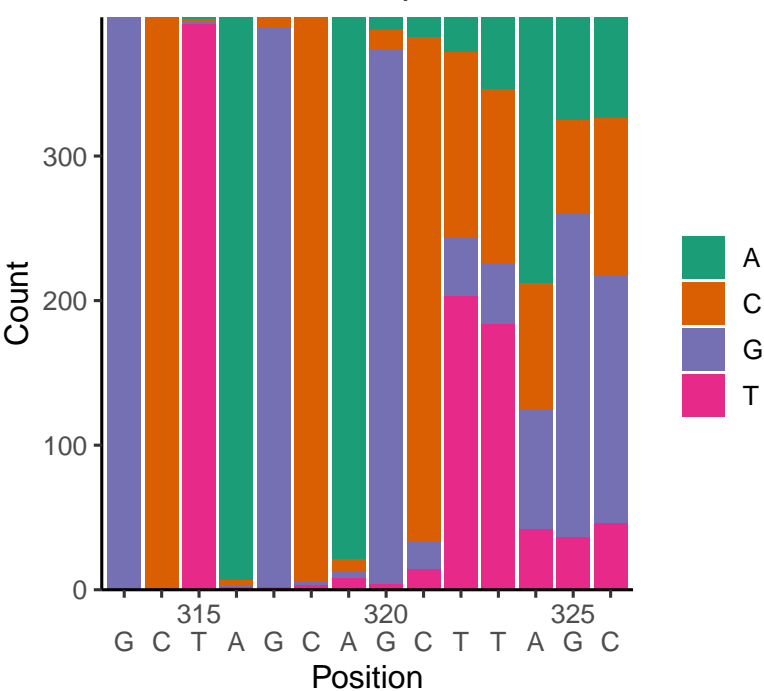


Gene TRBV7-1*ap01_T296C



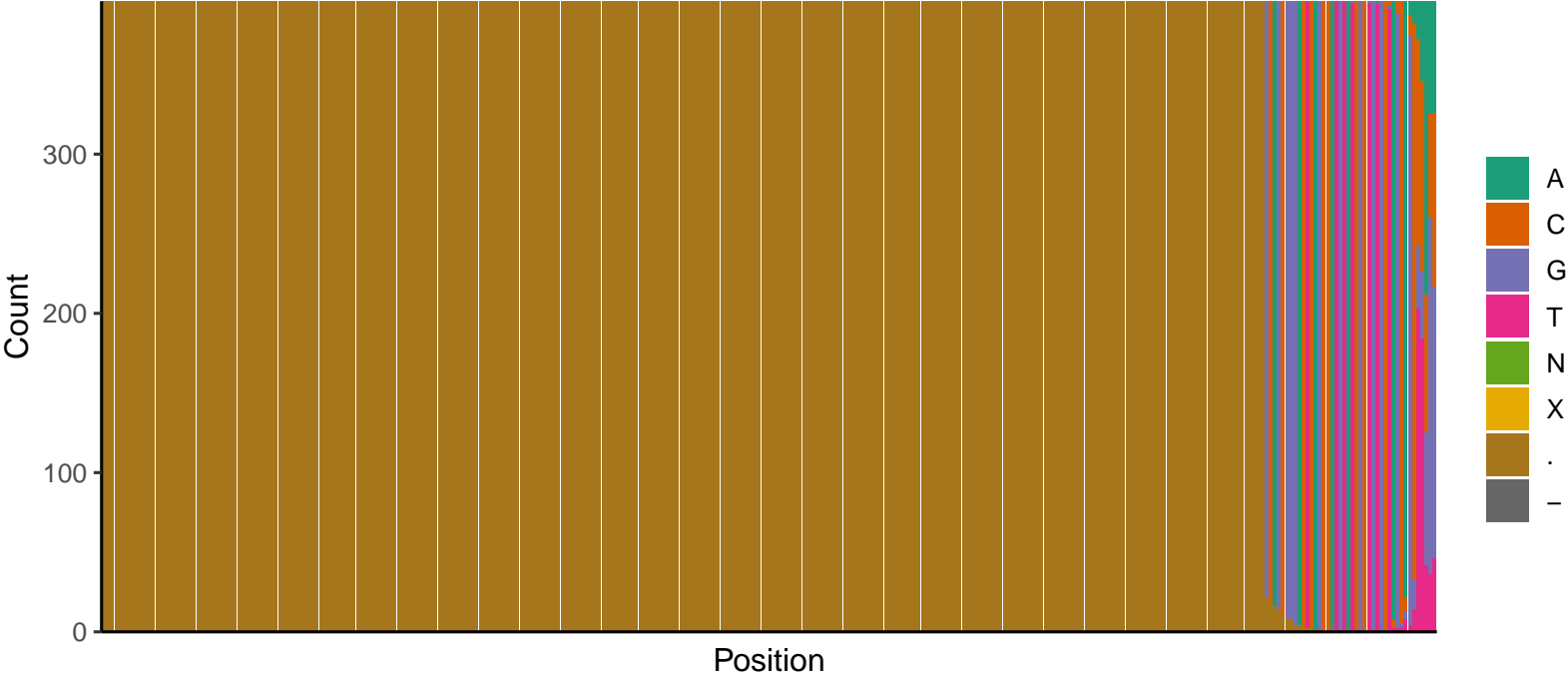
Gene TRBV7-7*ap01_C315T



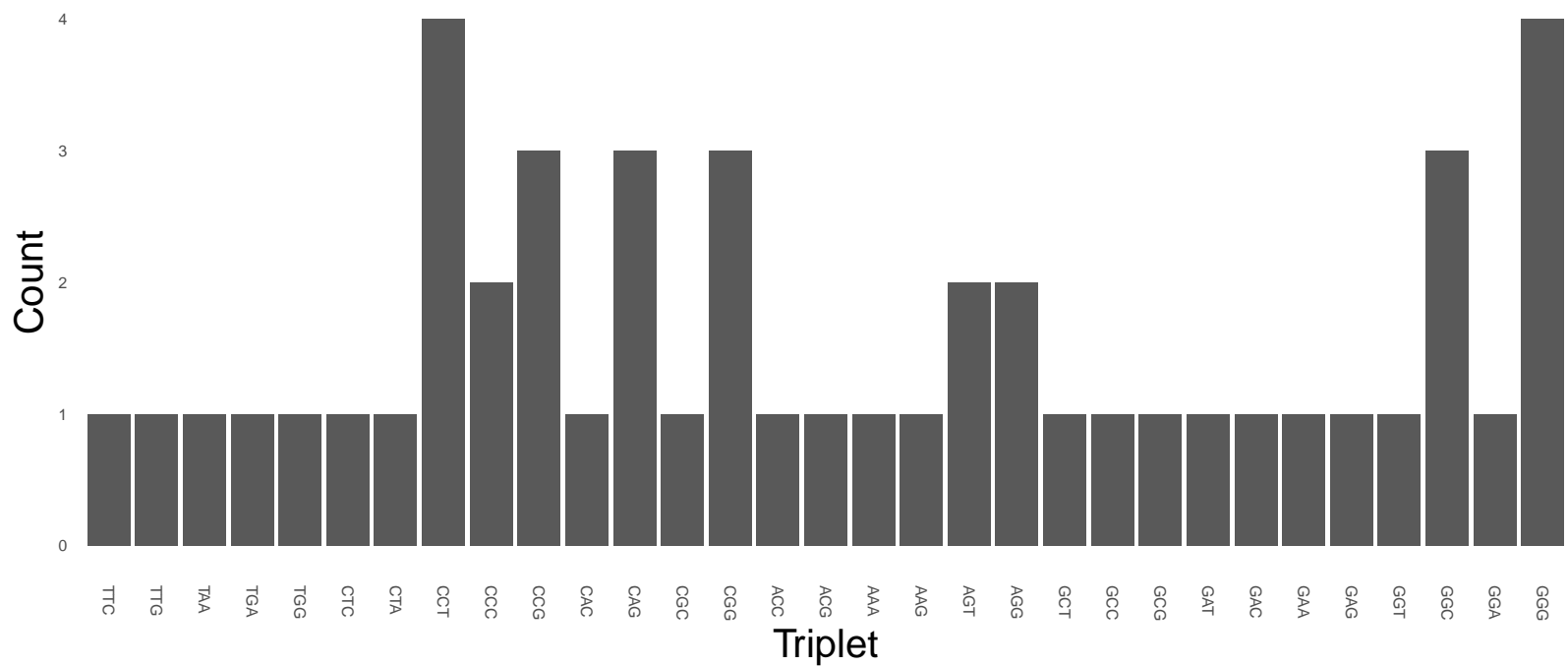
Gene TRBV7-1*ap01_T296C



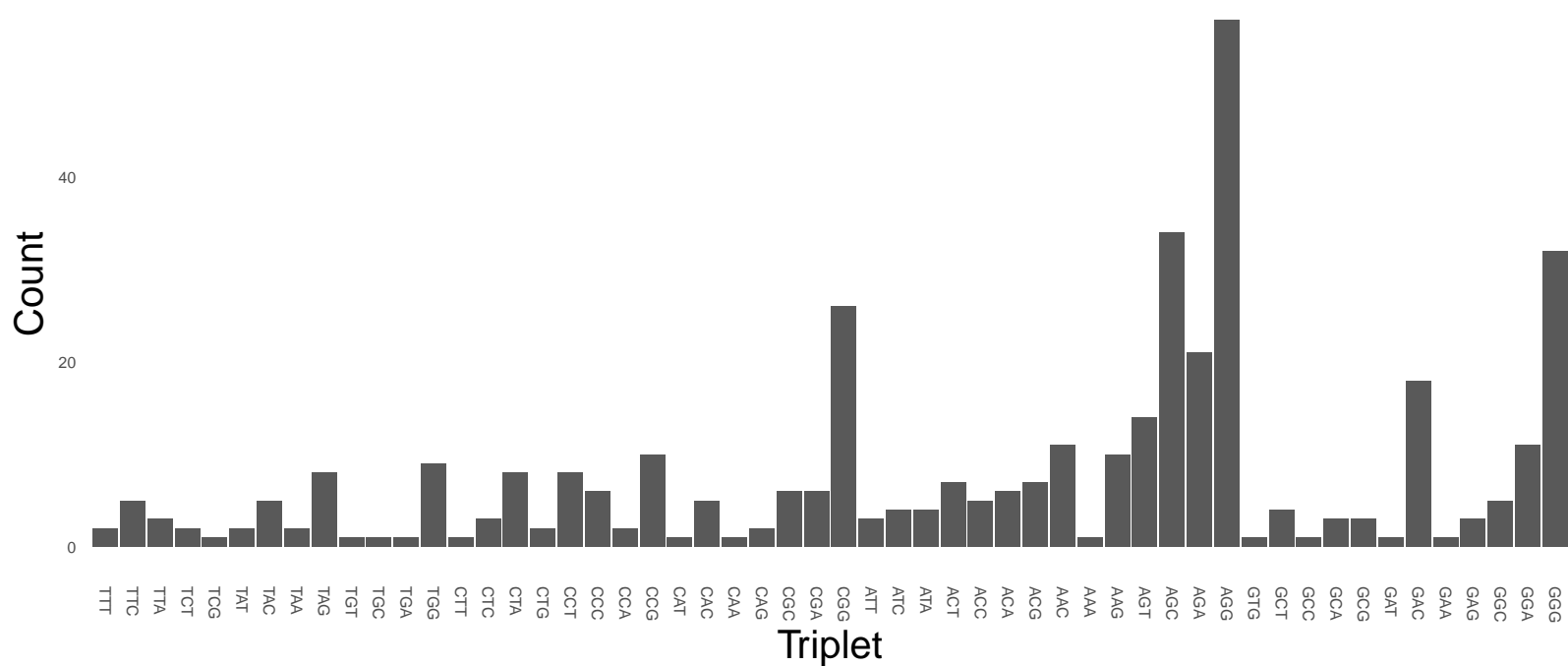
Gene TRBV7-7*ap01_C315T



TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet

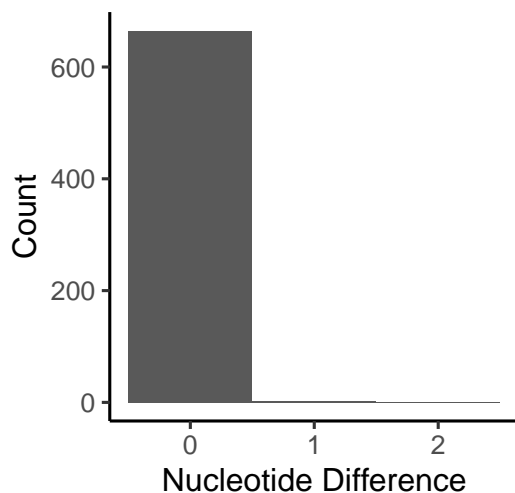


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



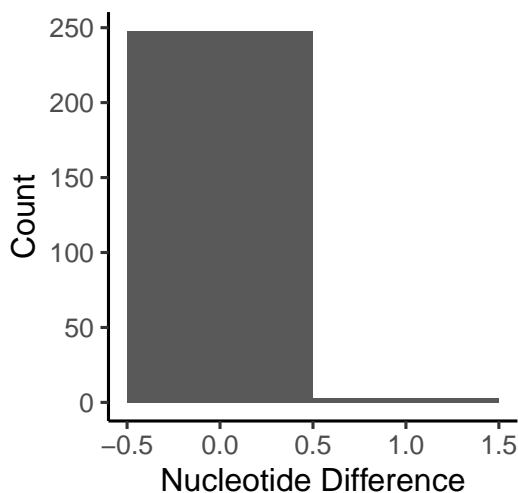
TRBV10–1*ap01

668 sequences assigned
665 (99.6%) exact matches, in which:
644 unique CDR3
13 unique J



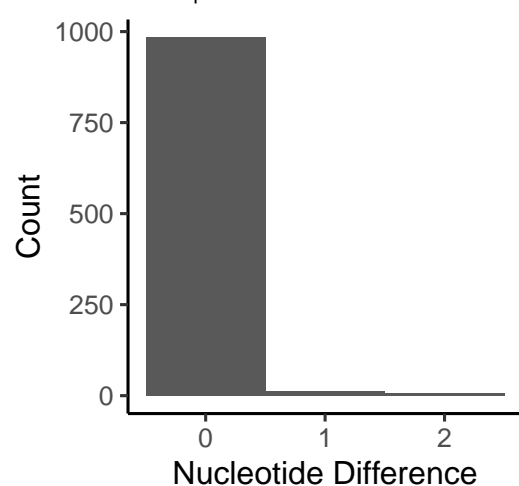
TRBV10–2*ap01

251 sequences assigned
248 (98.8%) exact matches, in which:
244 unique CDR3
13 unique J



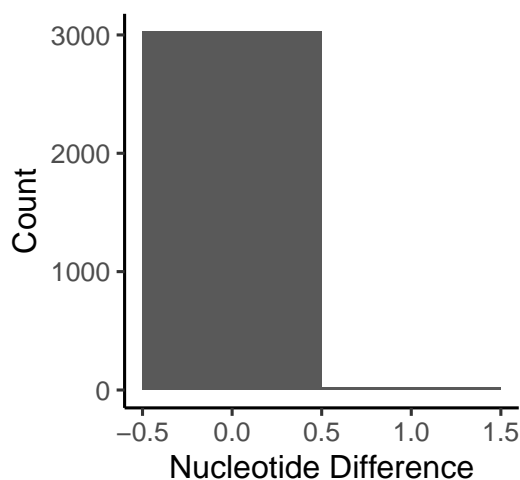
TRBV13*ap01

1004 sequences assigned
984 (98%) exact matches, in which:
938 unique CDR3
13 unique J



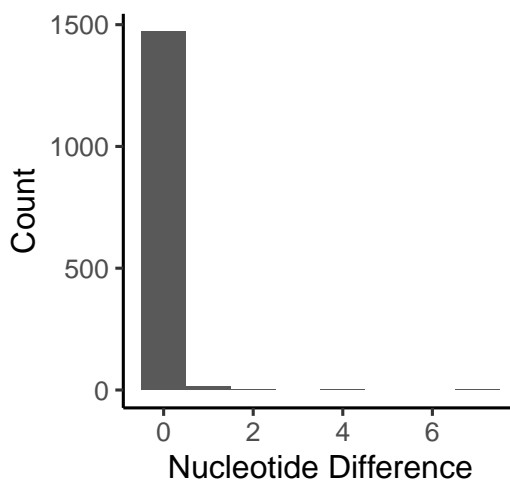
TRBV20–1*ap01

3051 sequences assigned
3027 (99.2%) exact matches, in which:
2974 unique CDR3
13 unique J



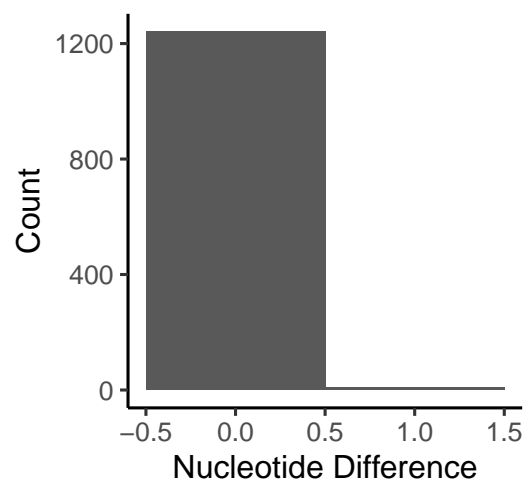
TRBV10–3*ap01

1489 sequences assigned
1471 (98.8%) exact matches, in which:
1423 unique CDR3
13 unique J



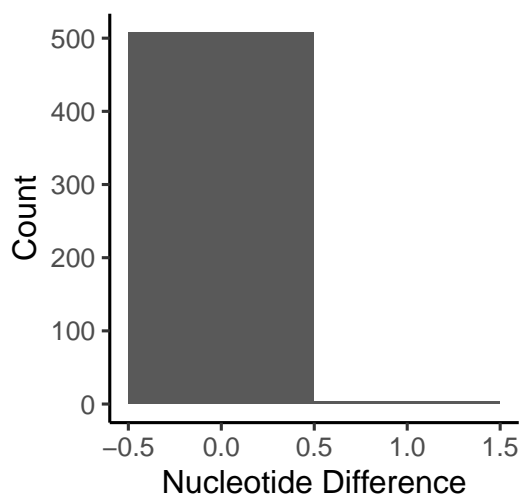
TRBV14*ap01

1250 sequences assigned
1241 (99.3%) exact matches, in which:
1217 unique CDR3
13 unique J



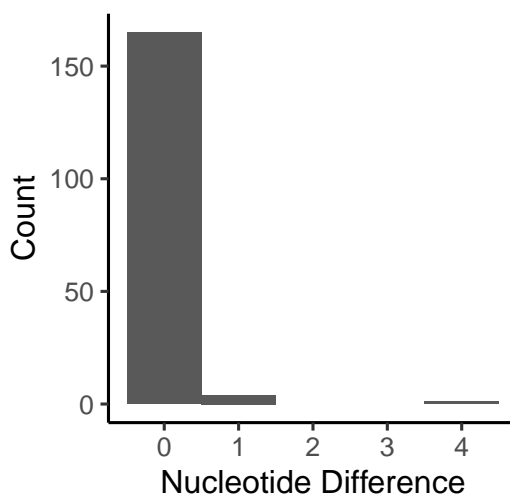
TRBV20–1*ap02

511 sequences assigned
508 (99.4%) exact matches, in which:
504 unique CDR3
13 unique J



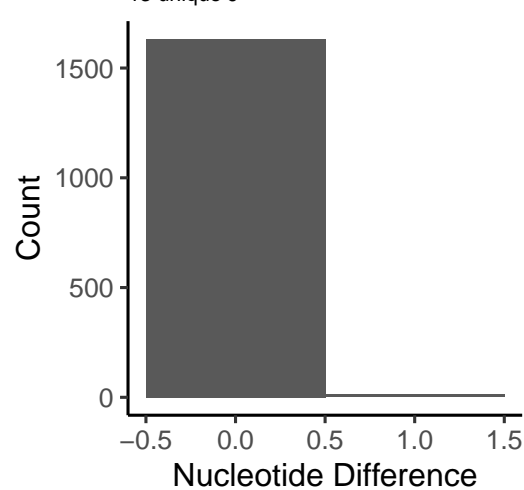
TRBV1*ap01

170 sequences assigned
165 (97.1%) exact matches, in which:
156 unique CDR3
13 unique J



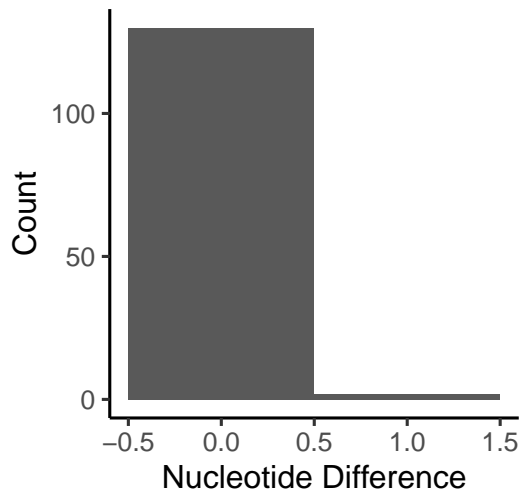
TRBV15*ap02

1644 sequences assigned
1632 (99.3%) exact matches, in which:
1587 unique CDR3
13 unique J



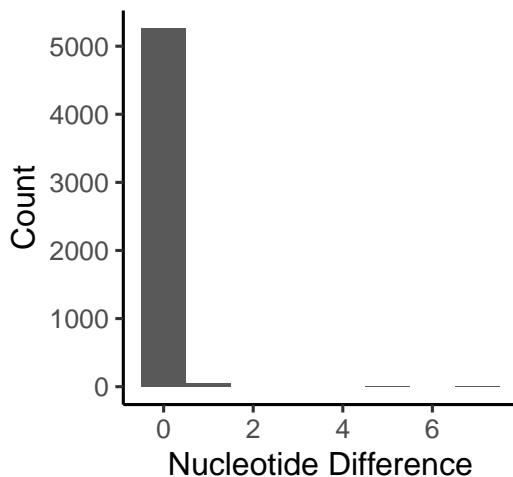
TRBV16*ap01

132 sequences assigned
130 (98.5%) exact matches, in which:
129 unique CDR3
13 unique J



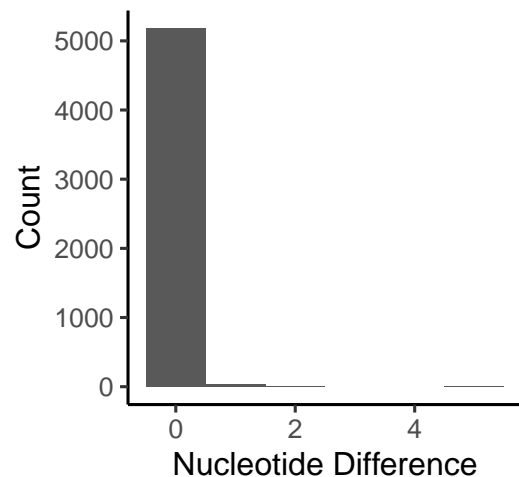
TRBV19*ap01

5315 sequences assigned
5261 (99%) exact matches, in which:
5185 unique CDR3
13 unique J



TRBV28*ap01

5224 sequences assigned
5180 (99.2%) exact matches, in which:
5076 unique CDR3
13 unique J



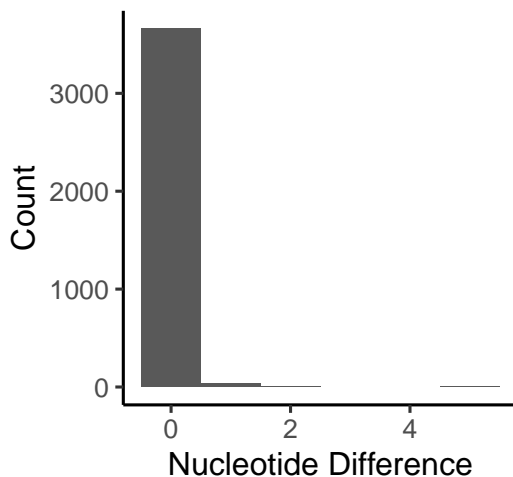
TRBV17*ap01

1 sequences assigned
No exact matches.



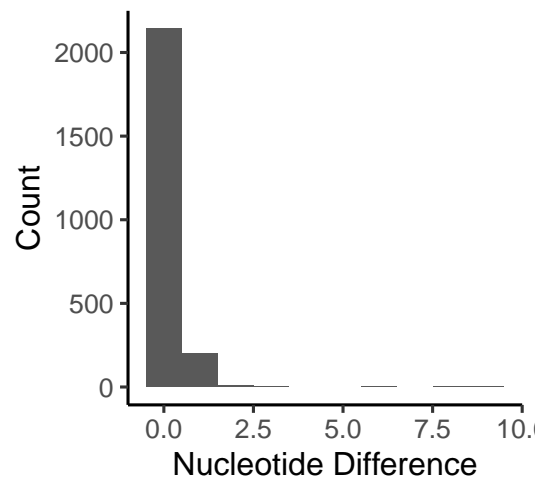
TRBV2*ap01

3701 sequences assigned
3660 (98.9%) exact matches, in which:
3550 unique CDR3
13 unique J



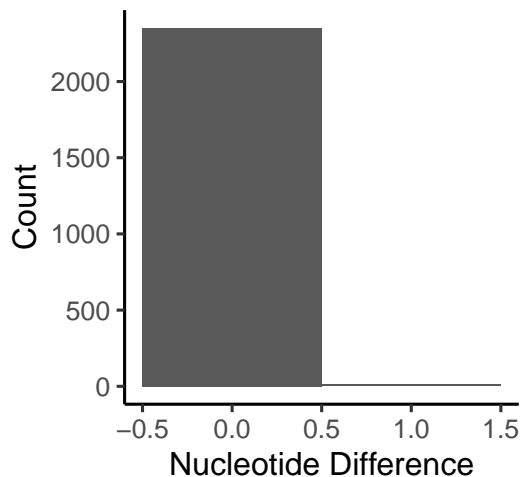
TRBV30*ap01

2353 sequences assigned
2142 (91%) exact matches, in which:
2031 unique CDR3
13 unique J



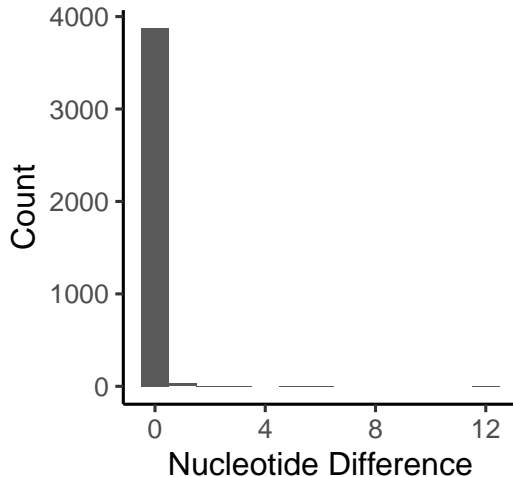
TRBV18*ap01

2362 sequences assigned
2351 (99.5%) exact matches, in which:
2317 unique CDR3
13 unique J



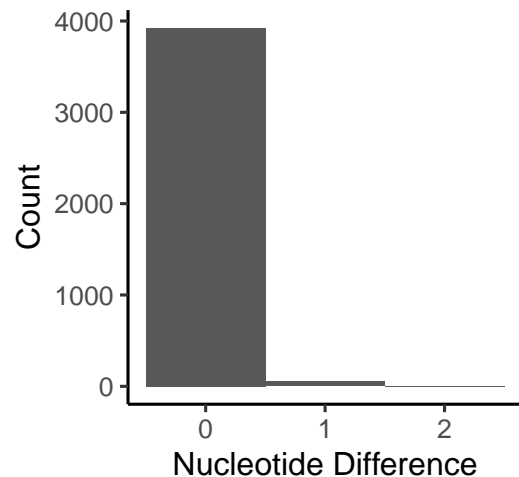
TRBV27*ap01

3919 sequences assigned
3876 (98.9%) exact matches, in which:
3777 unique CDR3
13 unique J



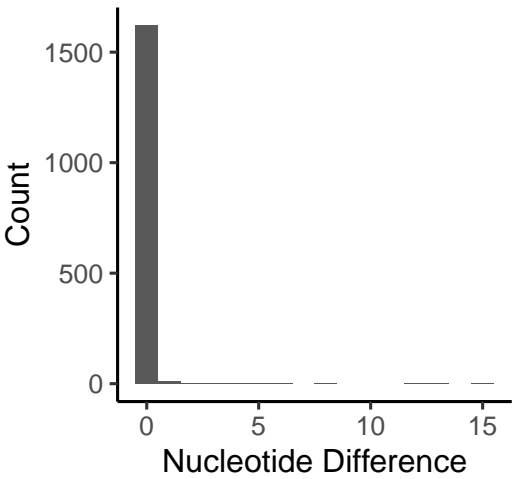
TRBV9*ap01

3976 sequences assigned
3923 (98.7%) exact matches, in which:
3877 unique CDR3
13 unique J



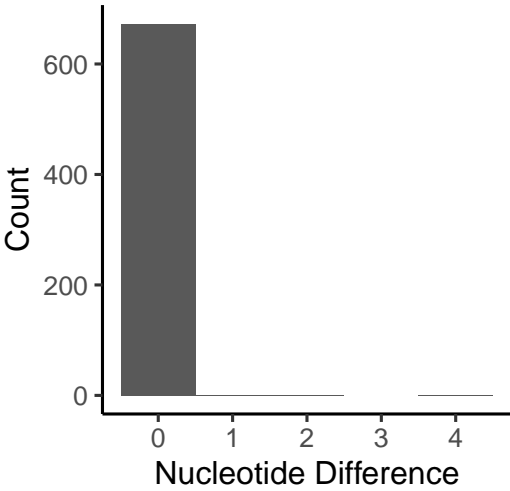
TRBV21-1*ap01

1647 sequences assigned
1621 (98.4%) exact matches, in which:
1594 unique CDR3
13 unique J



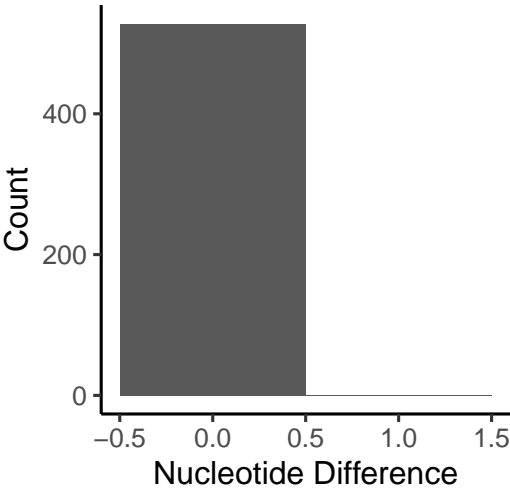
TRBV11-3*ap01

676 sequences assigned
673 (99.6%) exact matches, in which:
666 unique CDR3
13 unique J



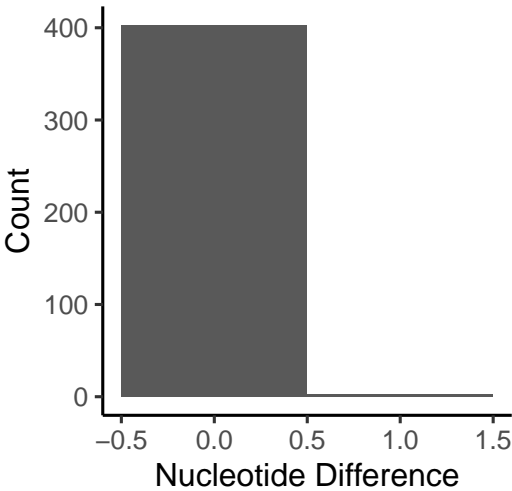
TRBV12-5*ap01

529 sequences assigned
528 (99.8%) exact matches, in which:
519 unique CDR3
13 unique J



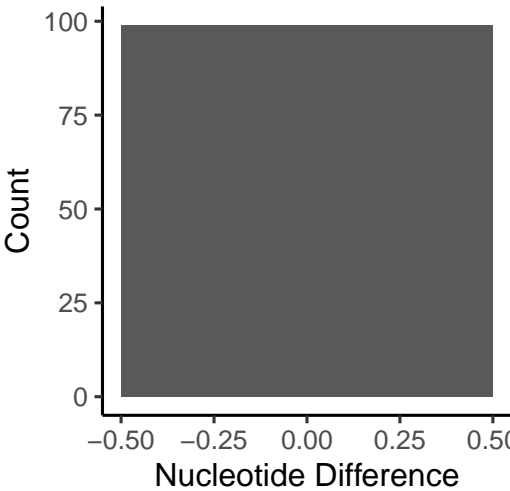
TRBV11-1*ap01

406 sequences assigned
403 (99.3%) exact matches, in which:
397 unique CDR3
13 unique J



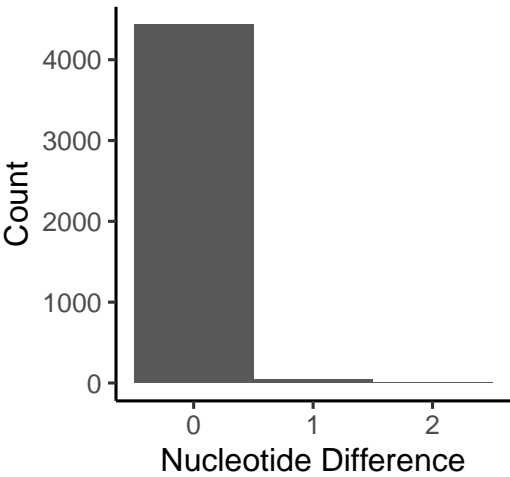
TRBV12-1*ap01

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



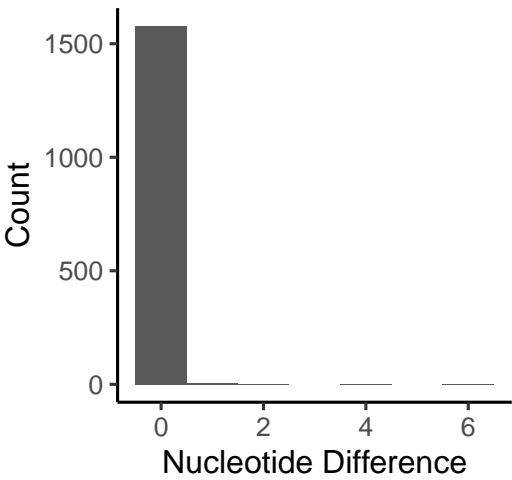
TRBV12-34*ap01

4482 sequences assigned
4433 (98.9%) exact matches, in which:
4322 unique CDR3
13 unique J



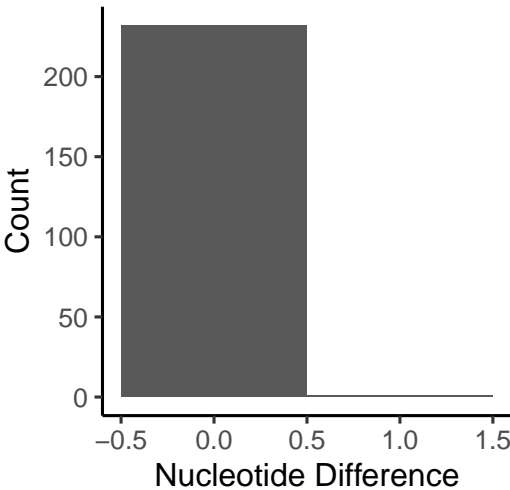
TRBV11-2*ap01

1587 sequences assigned
1578 (99.4%) exact matches, in which:
1553 unique CDR3
13 unique J



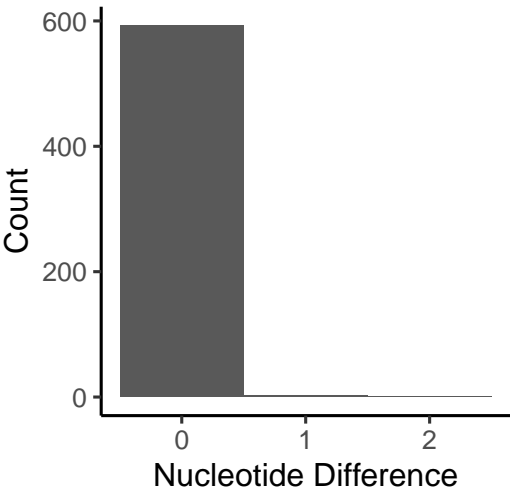
TRBV12-2*ap01

233 sequences assigned
232 (99.6%) exact matches, in which:
226 unique CDR3
13 unique J



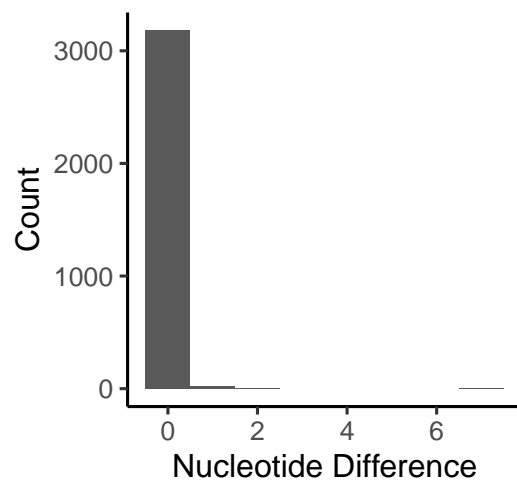
TRBV23-1*ap01

596 sequences assigned
593 (99.5%) exact matches, in which:
575 unique CDR3
13 unique J



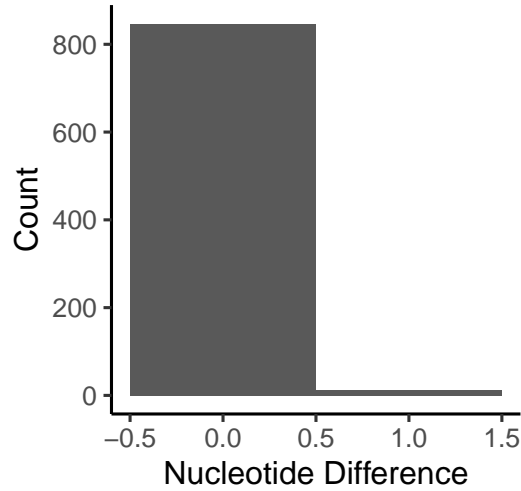
TRBV3-12*ap01

3208 sequences assigned
3181 (99.2%) exact matches, in which:
3115 unique CDR3
13 unique J



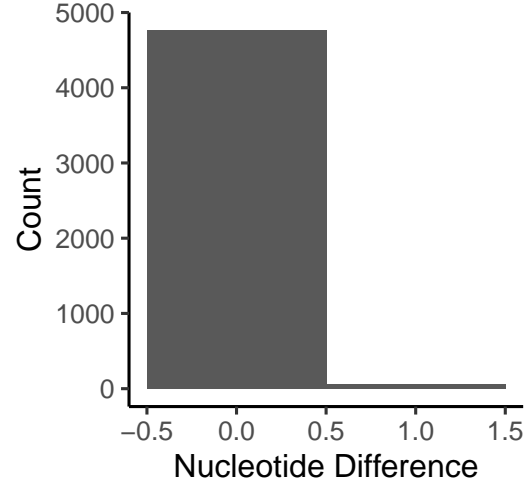
TRBV4-2*ap01

860 sequences assigned
847 (98.5%) exact matches, in which:
818 unique CDR3
13 unique J



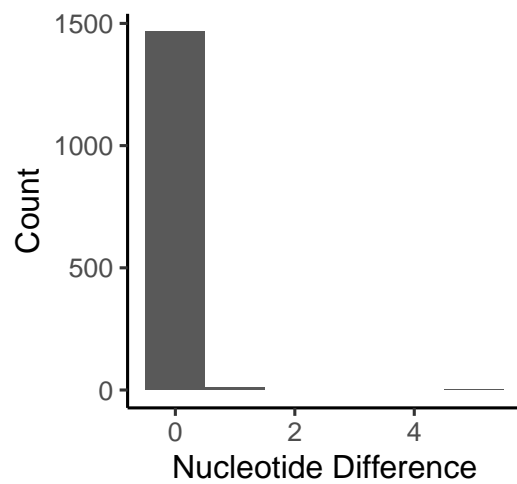
TRBV5-1*ap01

4826 sequences assigned
4762 (98.7%) exact matches, in which:
4609 unique CDR3
13 unique J



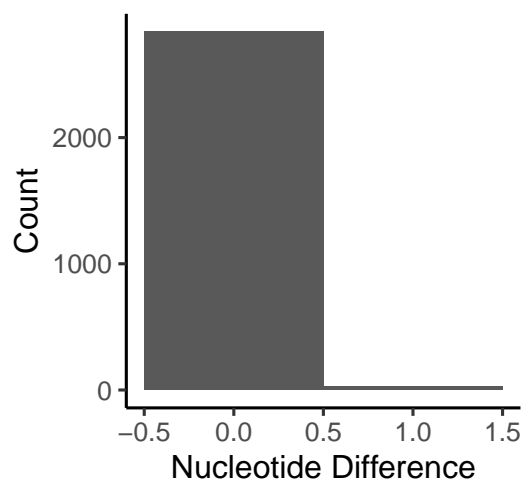
TRBV4-1*ap01

1478 sequences assigned
1466 (99.2%) exact matches, in which:
1406 unique CDR3
13 unique J



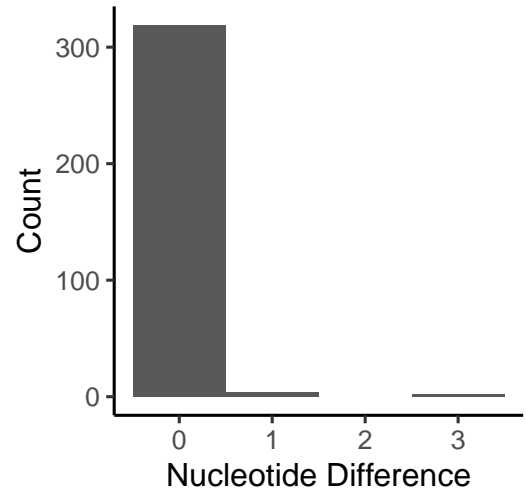
TRBV4-3*ap01

2867 sequences assigned
2839 (99%) exact matches, in which:
2745 unique CDR3
13 unique J



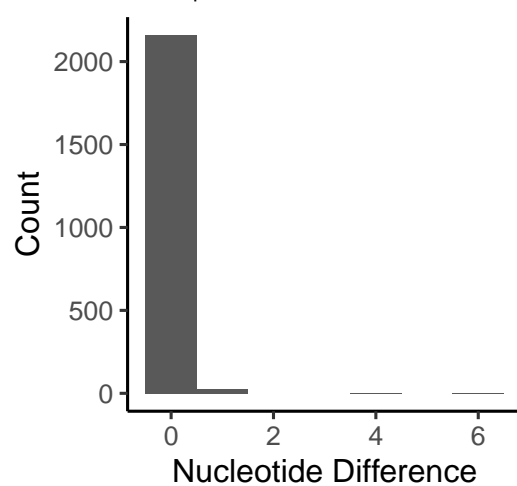
TRBV5-3*ap01

325 sequences assigned
319 (98.2%) exact matches, in which:
309 unique CDR3
13 unique J



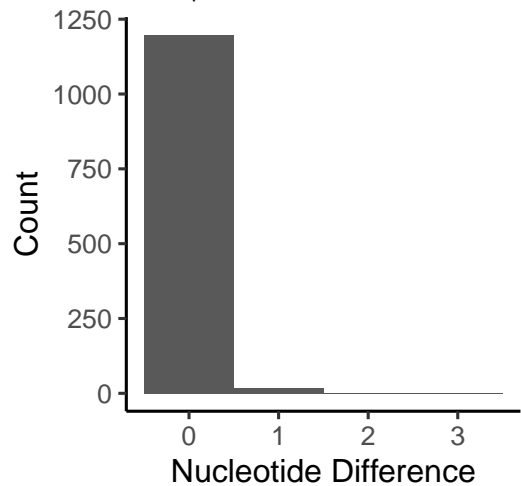
TRBV24-1*ap01

2188 sequences assigned
2160 (98.7%) exact matches, in which:
2087 unique CDR3
13 unique J



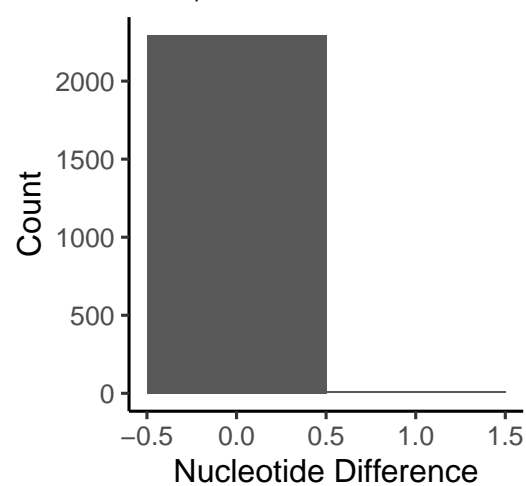
TRBV25-1*ap01

1218 sequences assigned
1197 (98.3%) exact matches, in which:
1148 unique CDR3
13 unique J



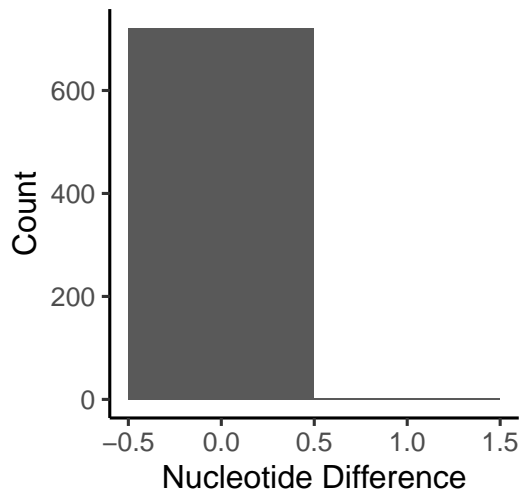
TRBV5-4*ap01

2306 sequences assigned
2295 (99.5%) exact matches, in which:
2224 unique CDR3
13 unique J



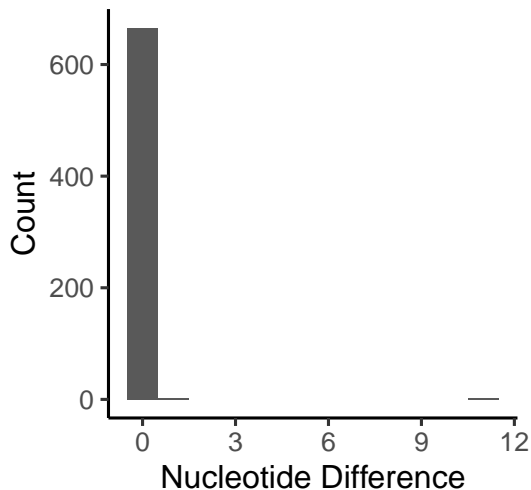
TRBV5-5*ap01

725 sequences assigned
722 (99.6%) exact matches, in which:
714 unique CDR3
13 unique J



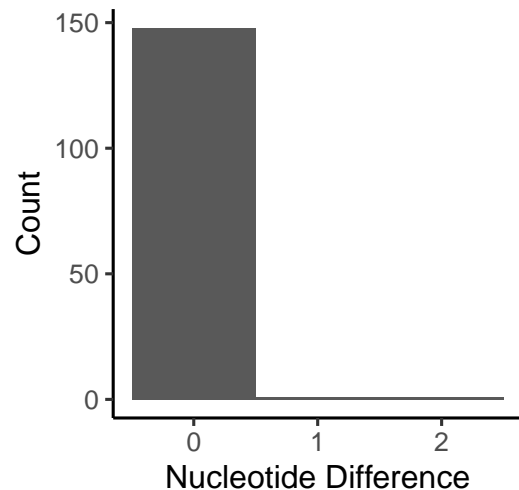
TRBV5-8*ap01

671 sequences assigned
666 (99.3%) exact matches, in which:
646 unique CDR3
13 unique J



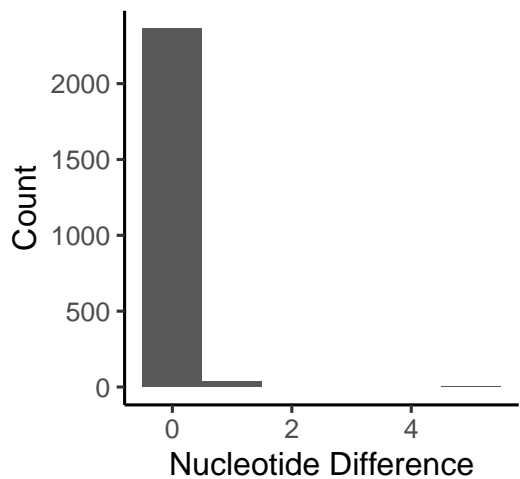
TRBV6-7*ap01

150 sequences assigned
148 (98.7%) exact matches, in which:
139 unique CDR3
13 unique J



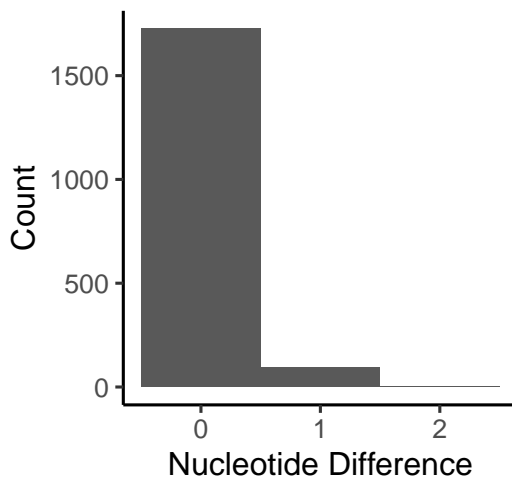
TRBV5-6*ap01

2397 sequences assigned
2362 (98.5%) exact matches, in which:
2259 unique CDR3
13 unique J



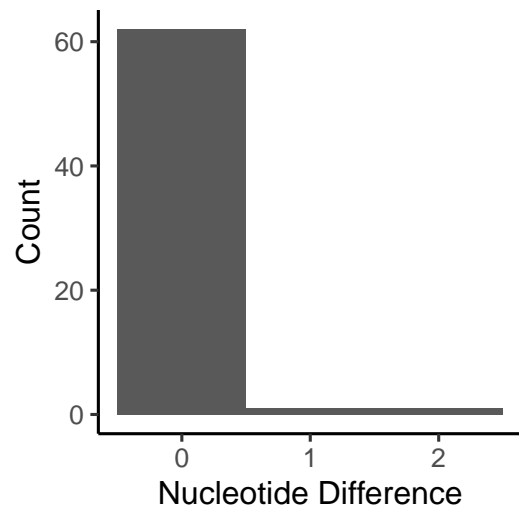
TRBV6-1*ap01

1819 sequences assigned
1726 (94.9%) exact matches, in which:
1663 unique CDR3
13 unique J



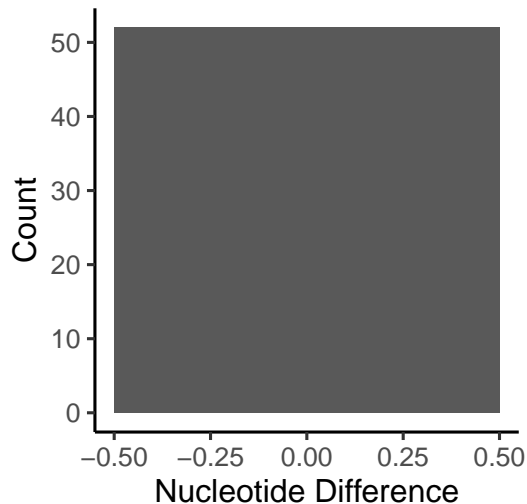
TRBV6-8*ap01

64 sequences assigned
62 (96.9%) exact matches, in which:
60 unique CDR3
10 unique J



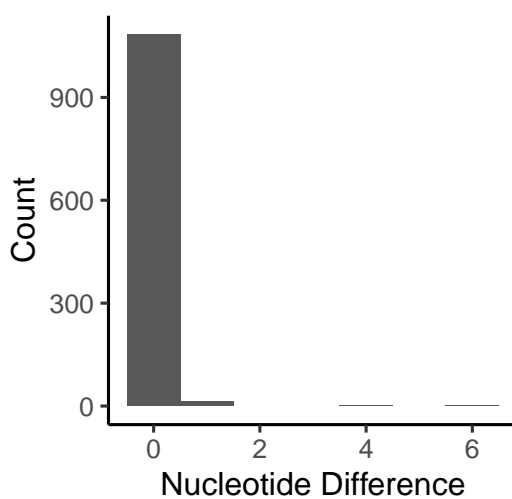
TRBV5-7*ap01

52 sequences assigned
52 (100%) exact matches, in which:
52 unique CDR3
12 unique J



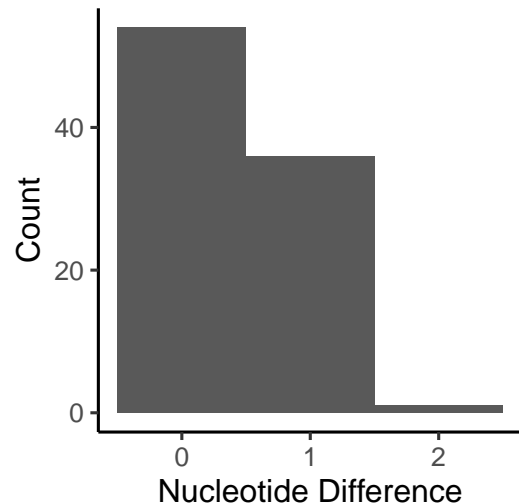
TRBV6-4*ap01

1099 sequences assigned
1084 (98.6%) exact matches, in which:
1064 unique CDR3
13 unique J



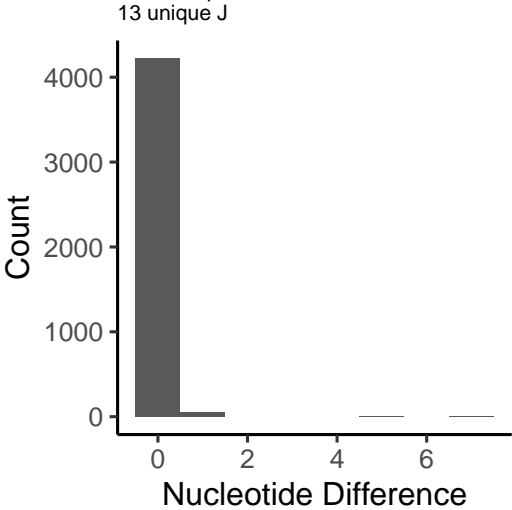
TRBV6-9*ap01

91 sequences assigned
54 (59.3%) exact matches, in which:
52 unique CDR3
13 unique J



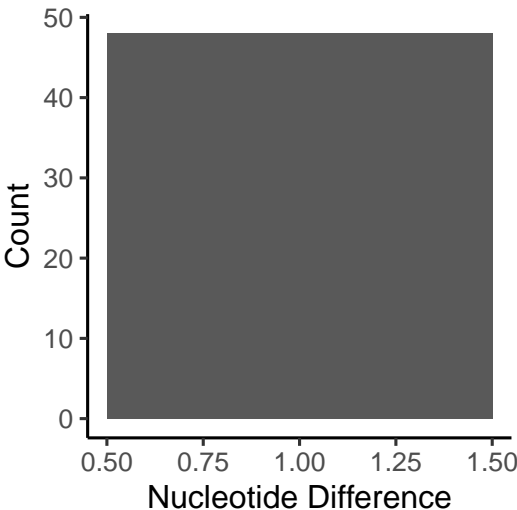
TRBV6-23*ap01

4281 sequences assigned
4222 (98.6%) exact matches, in which:
4017 unique CDR3
13 unique J



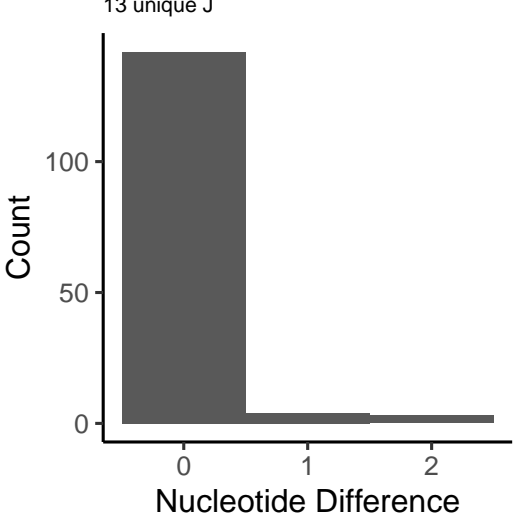
TRBV7-1*ap01_T296C

48 sequences assigned
No exact matches.



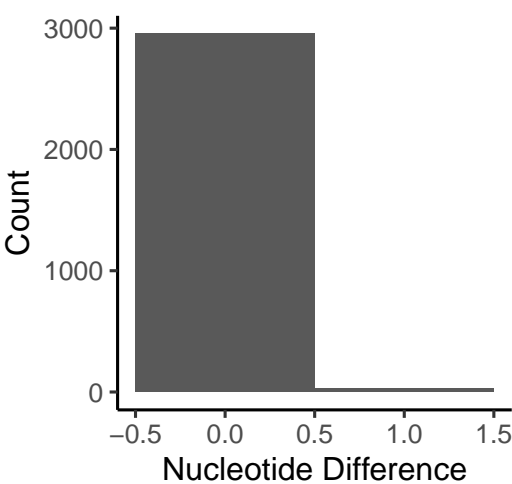
TRBV7-4*ap01

149 sequences assigned
142 (95.3%) exact matches, in which:
141 unique CDR3
13 unique J



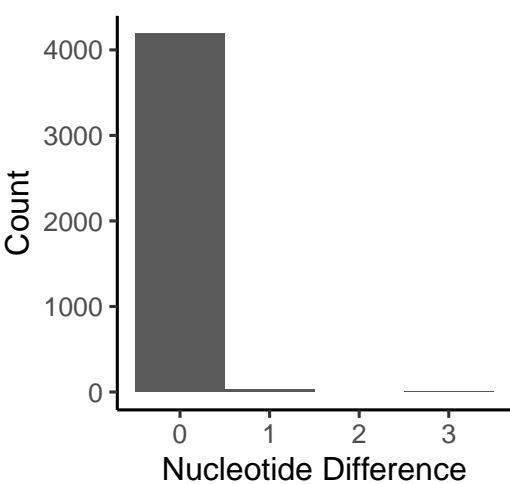
TRBV6-56*ap01

2983 sequences assigned
2954 (99%) exact matches, in which:
2823 unique CDR3
13 unique J



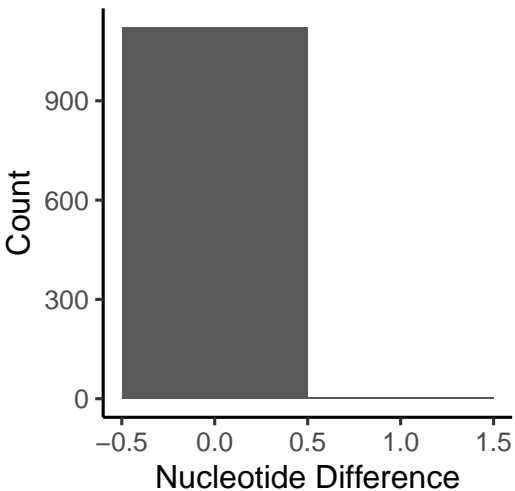
TRBV7-2*ap01

4219 sequences assigned
4189 (99.3%) exact matches, in which:
4095 unique CDR3
13 unique J



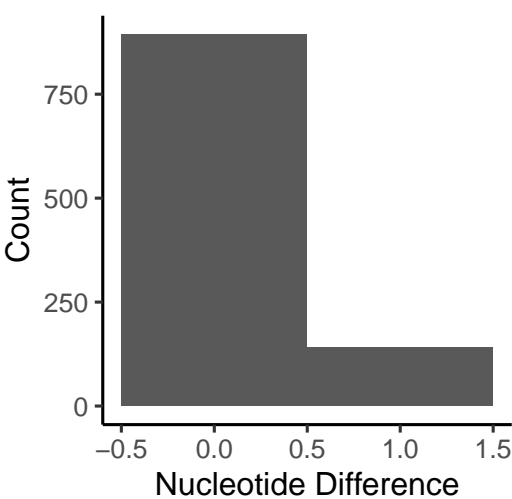
TRBV7-6*ap01

1129 sequences assigned
1123 (99.5%) exact matches, in which:
1096 unique CDR3
13 unique J



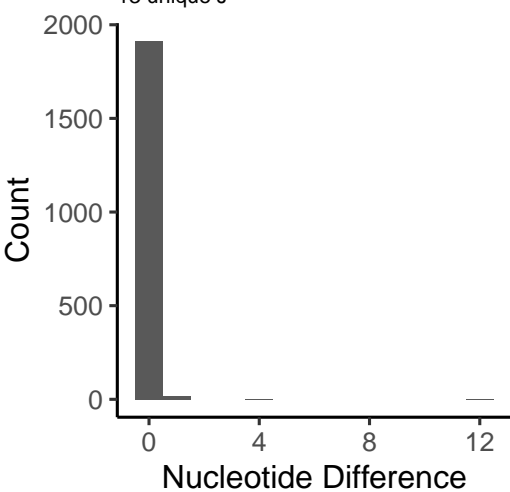
TRBV6-56*ap02

1034 sequences assigned
894 (86.5%) exact matches, in which:
857 unique CDR3
13 unique J



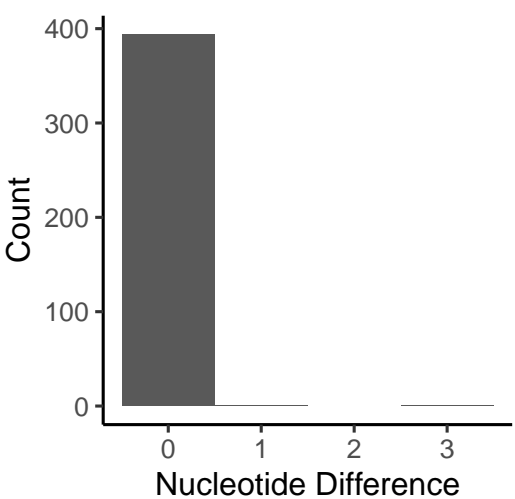
TRBV7-3*ap01

1933 sequences assigned
1913 (99%) exact matches, in which:
1892 unique CDR3
13 unique J



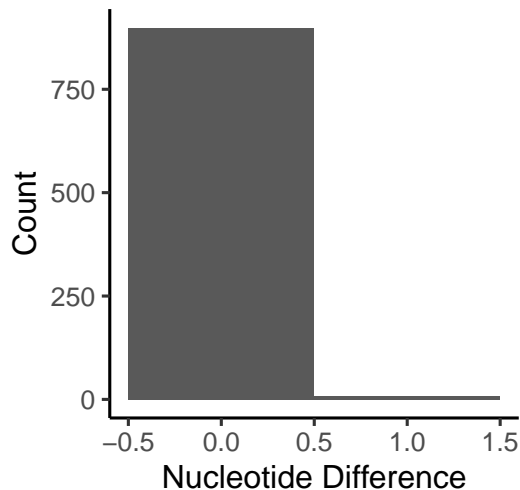
TRBV7-7*ap01_C315T

396 sequences assigned
394 (99.5%) exact matches, in which:
383 unique CDR3
13 unique J



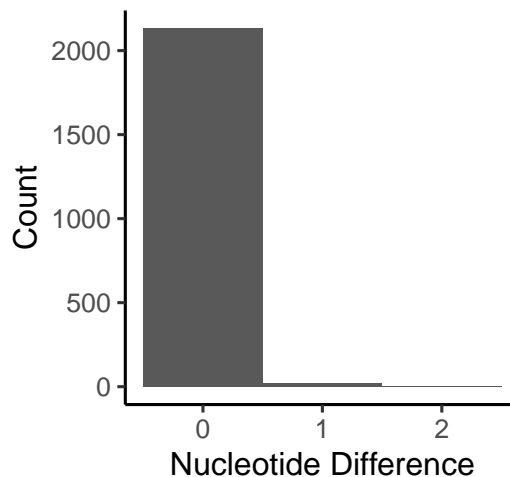
TRBV7-8*ap01

908 sequences assigned
899 (99%) exact matches, in which:
867 unique CDR3
13 unique J



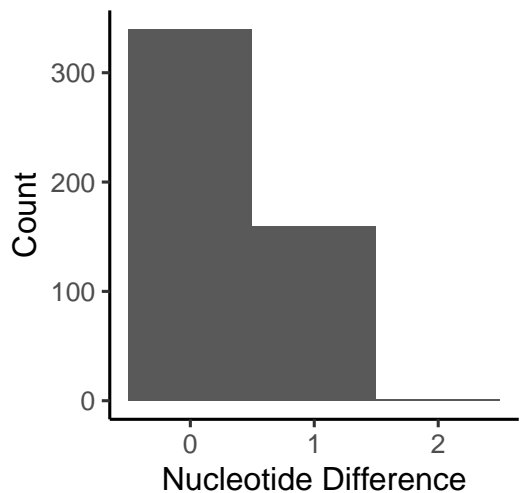
TRBV29-1*ap01

2154 sequences assigned
2132 (99%) exact matches, in which:
2030 unique CDR3
13 unique J



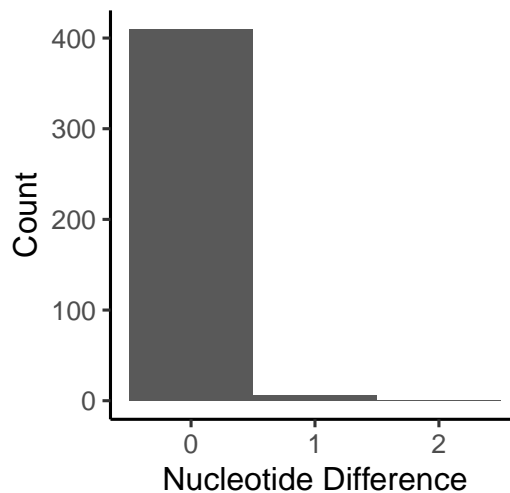
TRBV7-8*ap03

501 sequences assigned
340 (67.9%) exact matches, in which:
331 unique CDR3
13 unique J



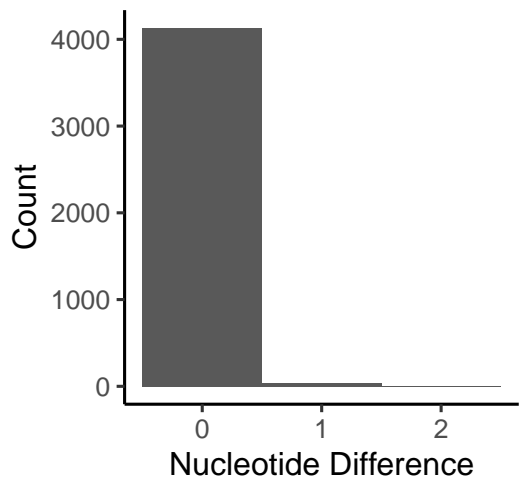
TRBV29-1*ap02

417 sequences assigned
410 (98.3%) exact matches, in which:
399 unique CDR3
13 unique J



TRBV7-9*ap01

4167 sequences assigned
4130 (99.1%) exact matches, in which:
4028 unique CDR3
13 unique J



TRBV7-7*ap01_C315T

