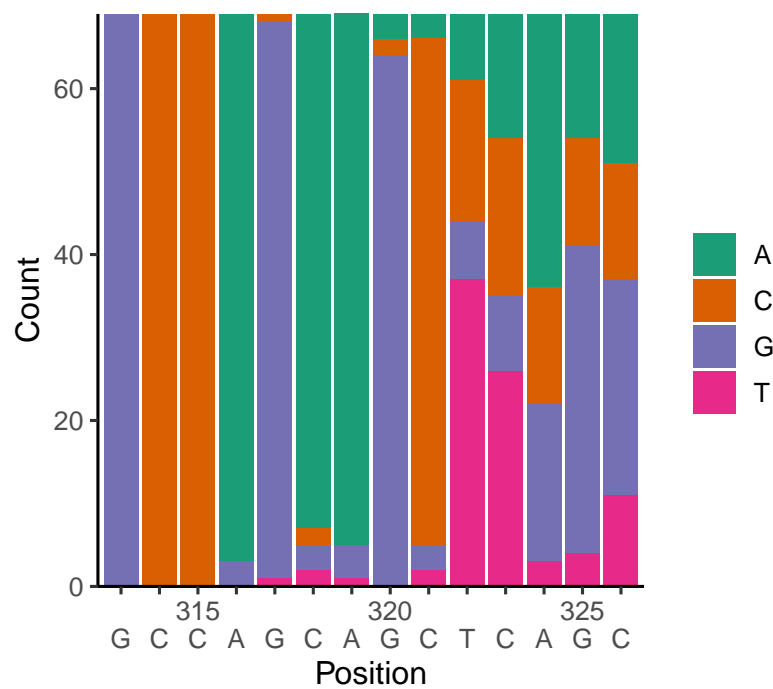
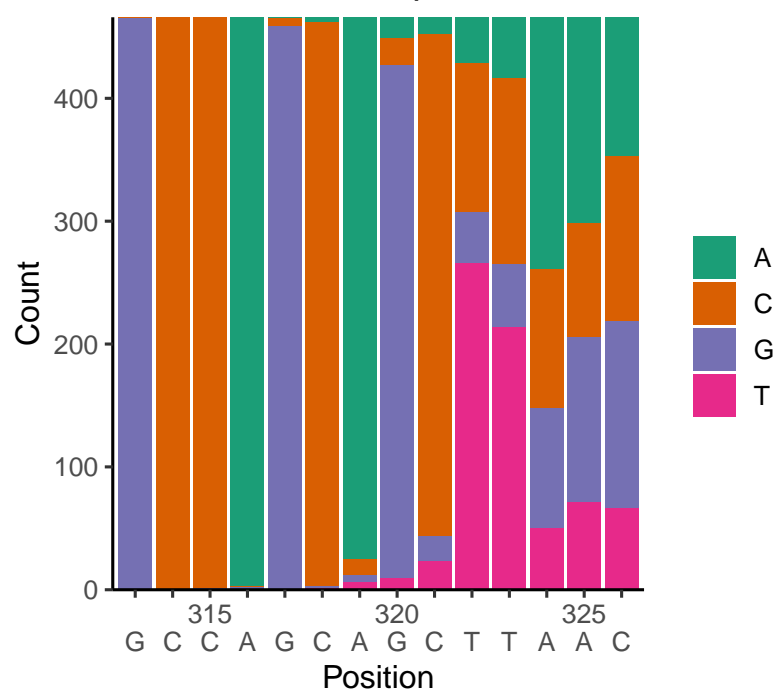


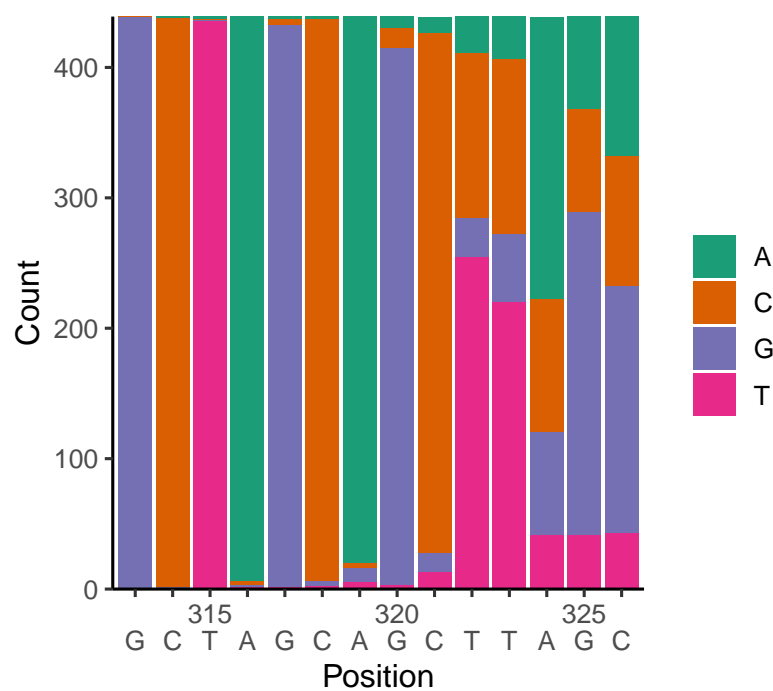
Gene TRBV7-1*ap01_G291C_T296C



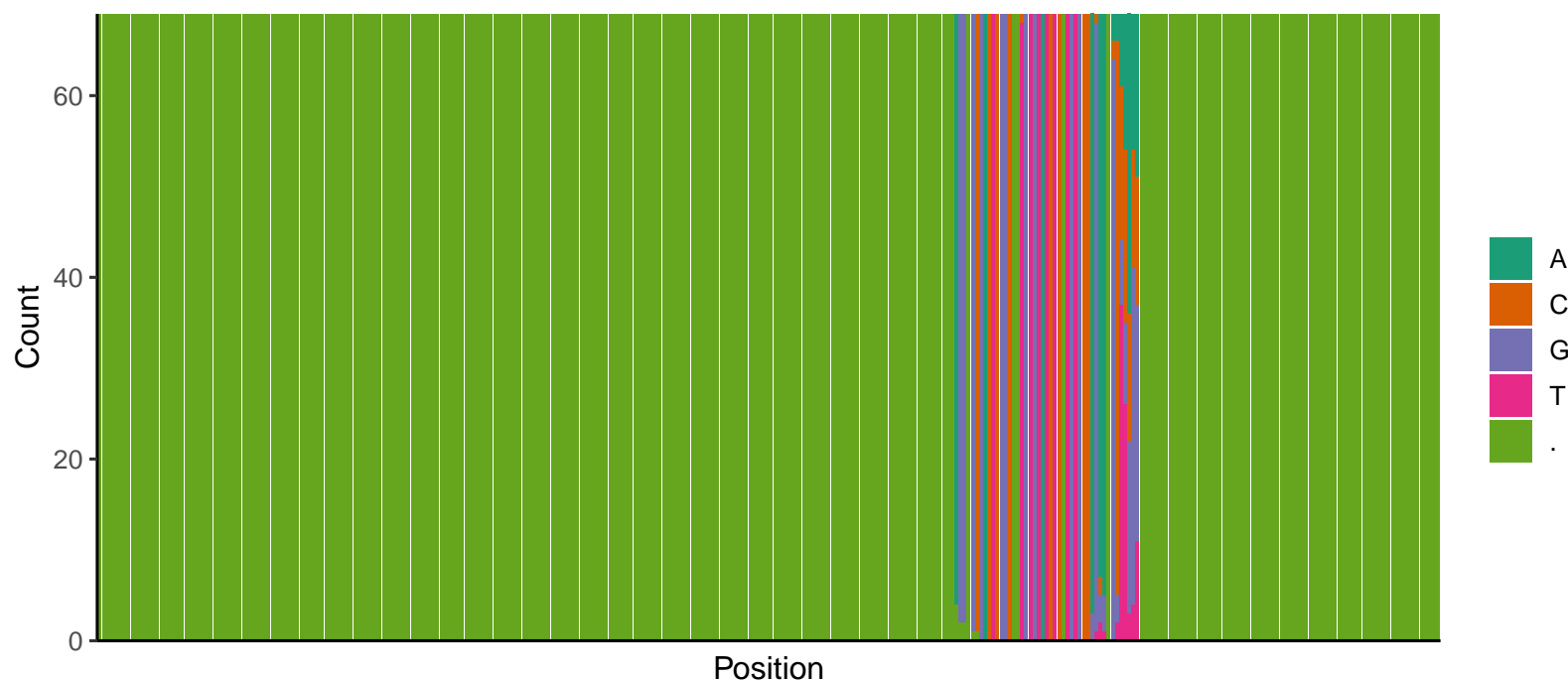
Gene TRBV7-3*ap01_G292T



Gene TRBV7-7*ap01_C315T



Gene TRBV7-1*ap01_G291C_T296C



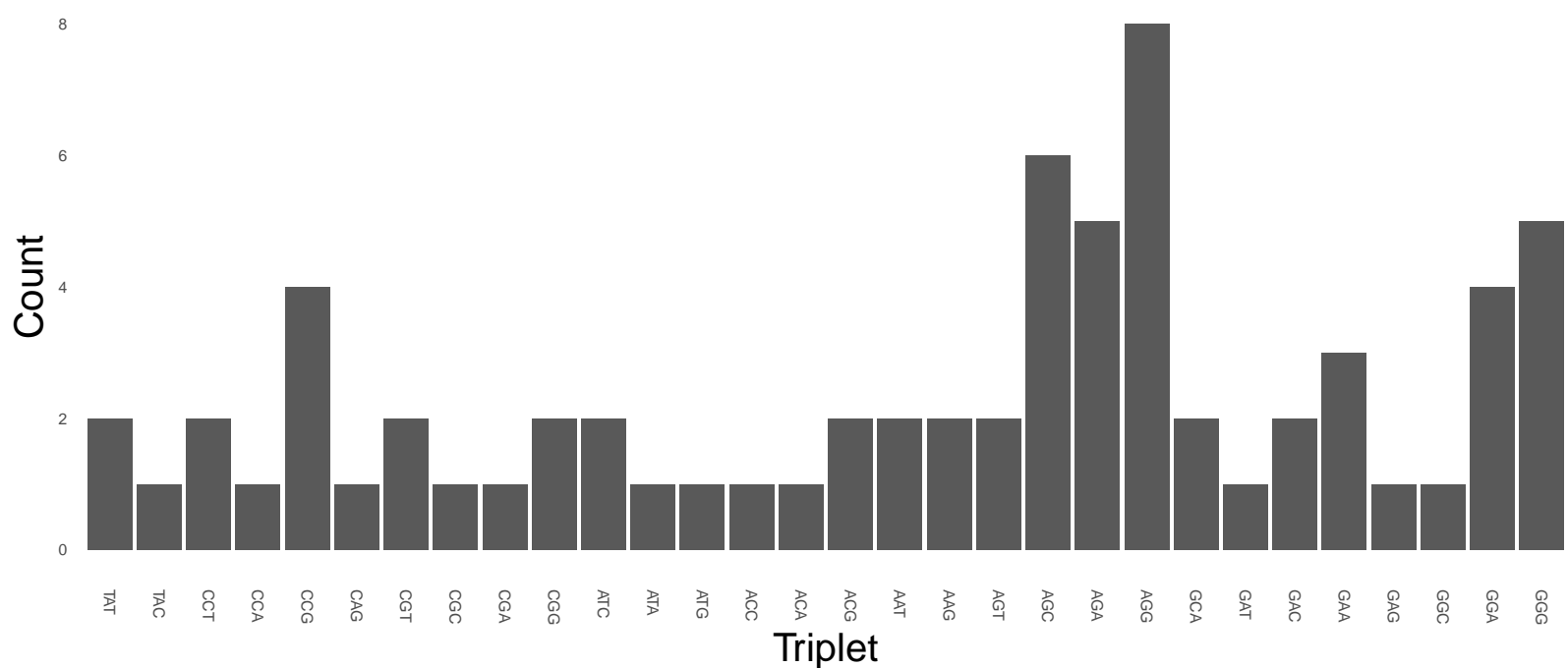
Gene TRBV7-3*ap01_G292T



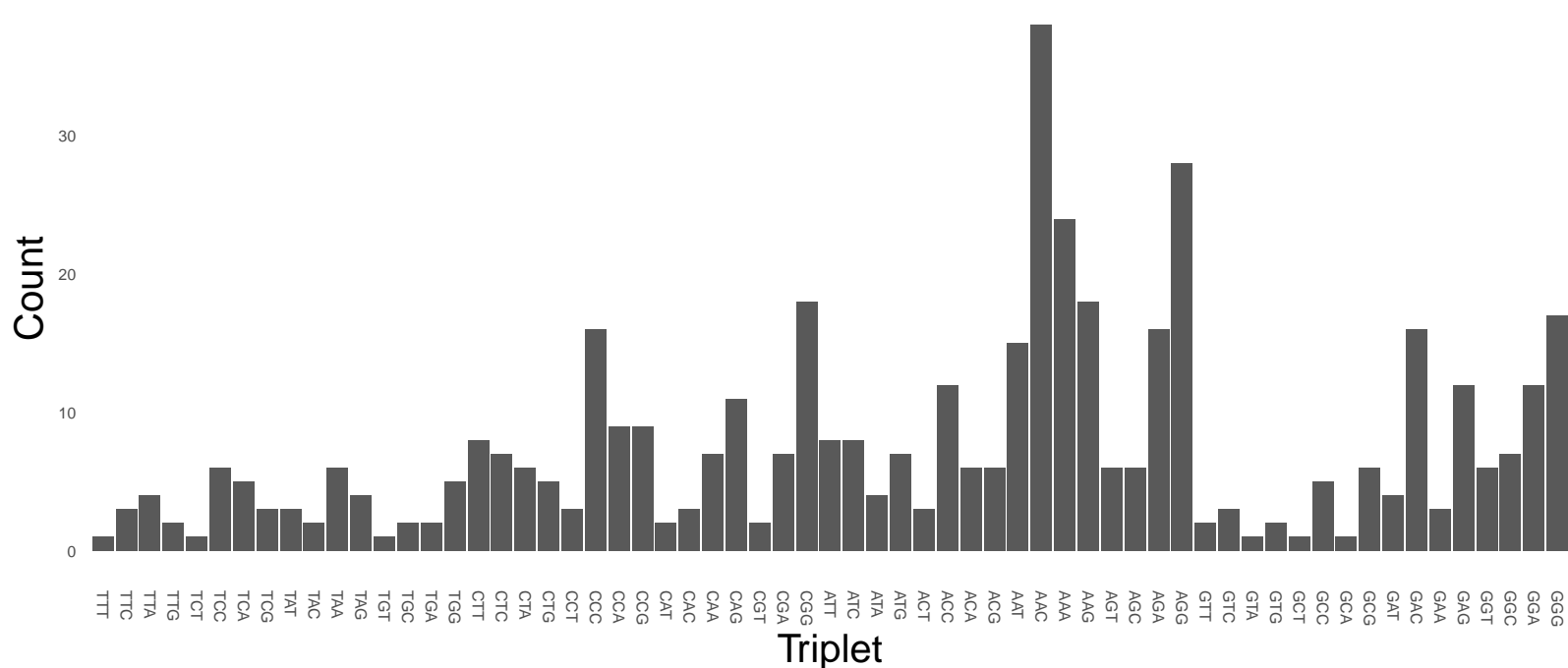
Gene TRBV7-7*ap01_C315T



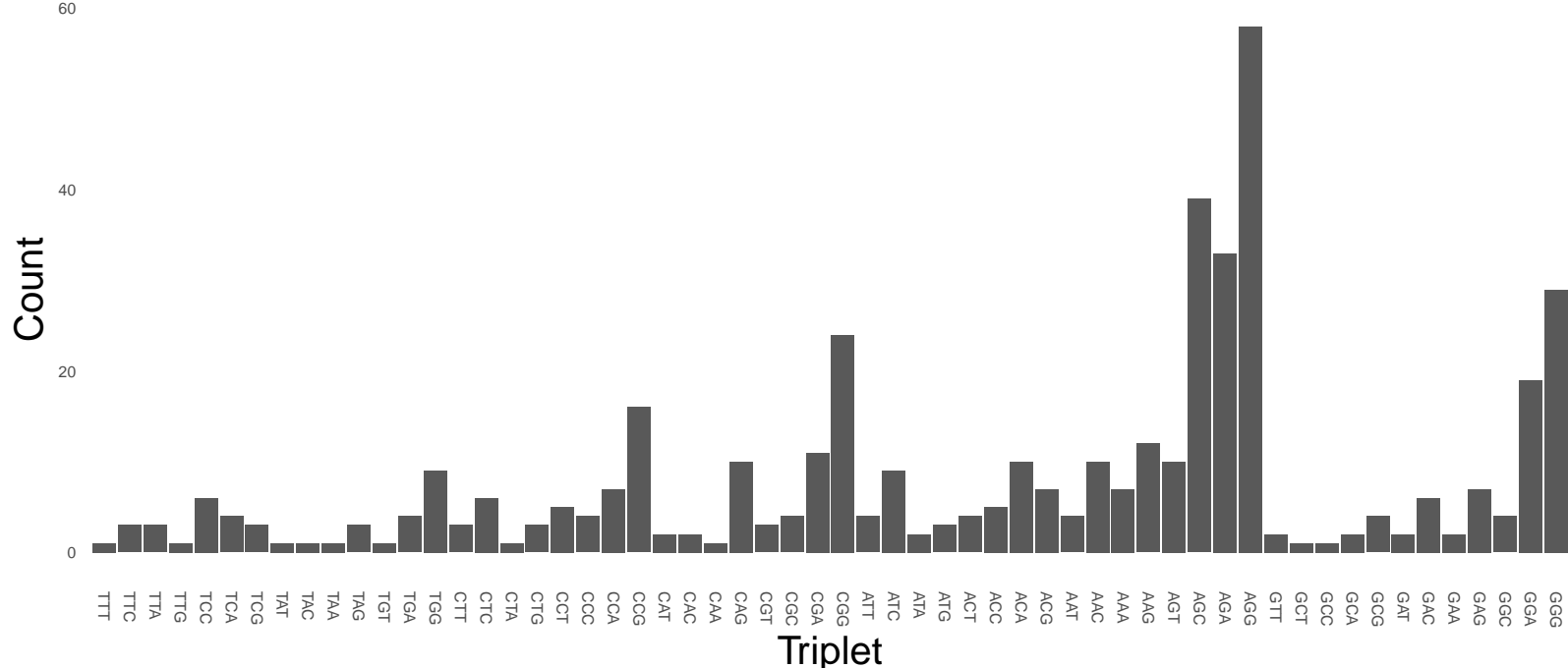
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



TRBV7-3*ap01_G292T- Final 3 nucleotides as a triplet

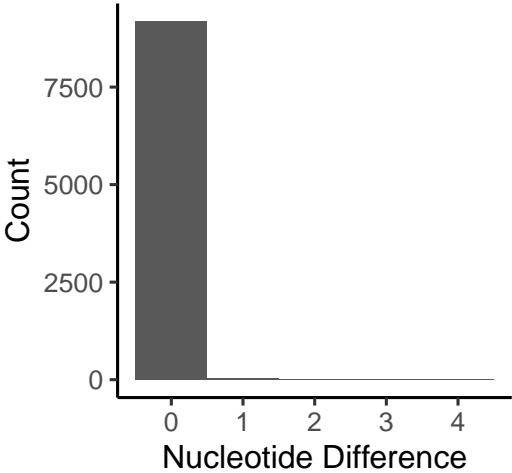


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



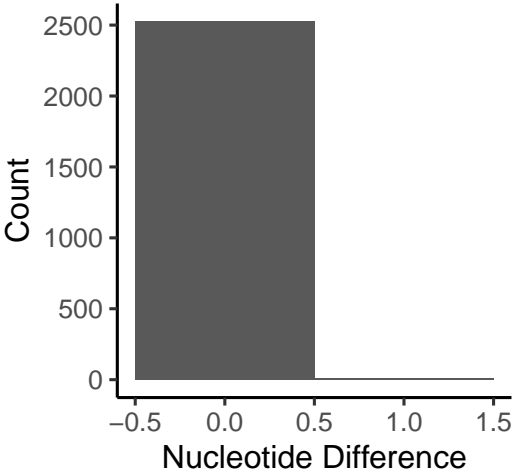
TRBV20-1*ap01

9243 sequences assigned
9184 (99.4%) exact matches, in which:
9144 unique CDR3
13 unique J



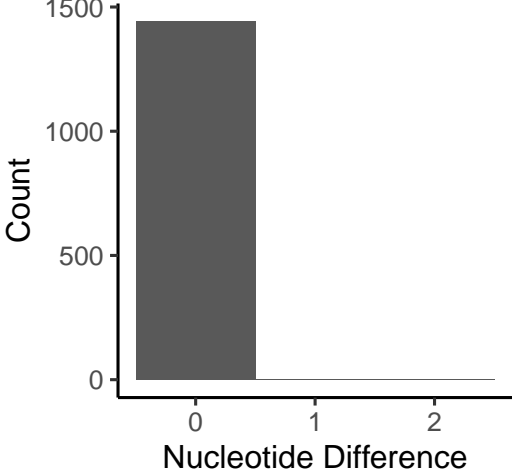
TRBV10-3*ap01

2535 sequences assigned
2526 (99.6%) exact matches, in which:
2519 unique CDR3
13 unique J



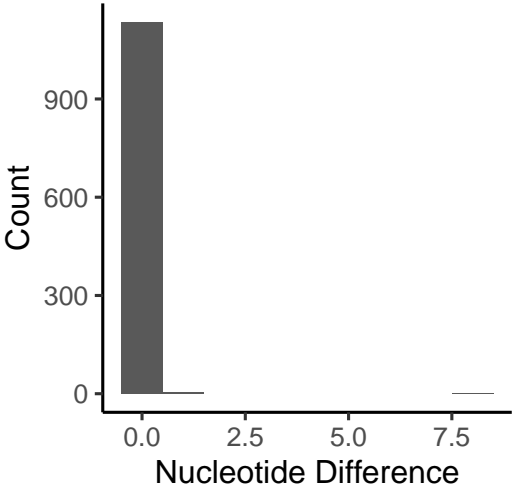
TRBV14*ap01

1444 sequences assigned
1442 (99.9%) exact matches, in which:
1439 unique CDR3
13 unique J



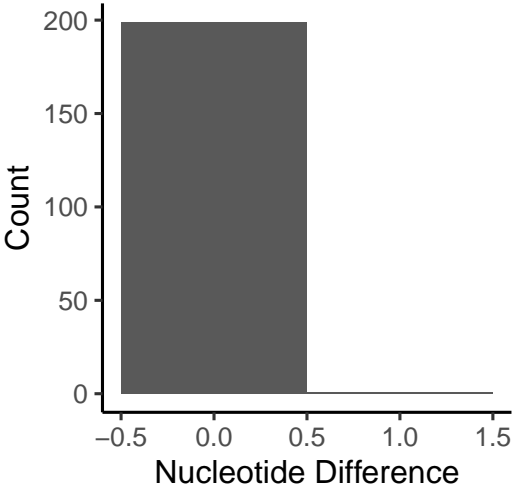
TRBV10-1*ap01

1140 sequences assigned
1135 (99.6%) exact matches, in which:
1132 unique CDR3
13 unique J



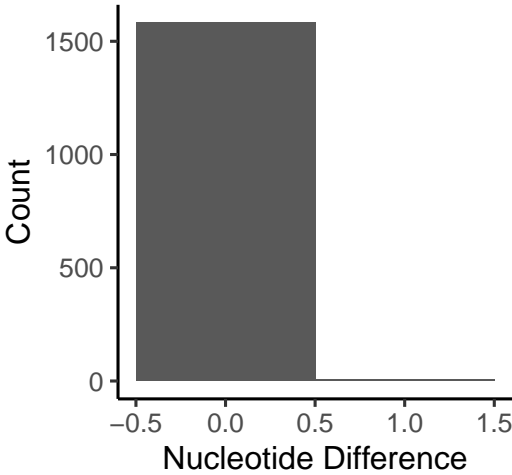
TRBV1*ap01

200 sequences assigned
199 (99.5%) exact matches, in which:
196 unique CDR3
13 unique J



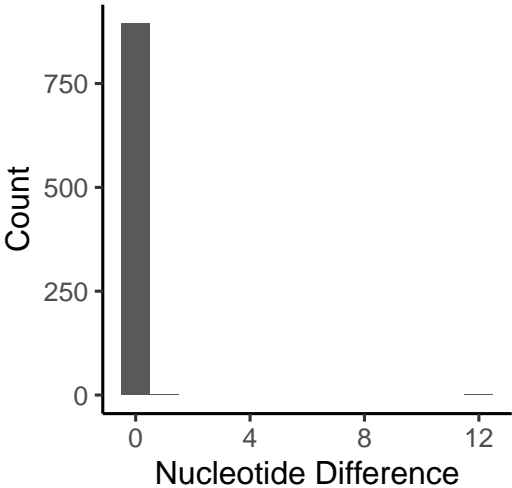
TRBV15*ap02

1587 sequences assigned
1582 (99.7%) exact matches, in which:
1565 unique CDR3
13 unique J



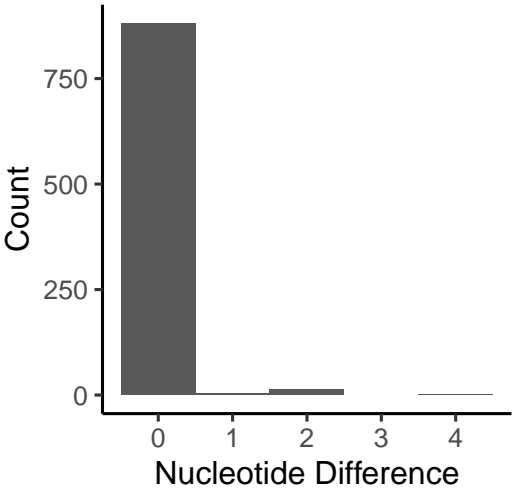
TRBV10-2*ap01

898 sequences assigned
895 (99.7%) exact matches, in which:
892 unique CDR3
13 unique J



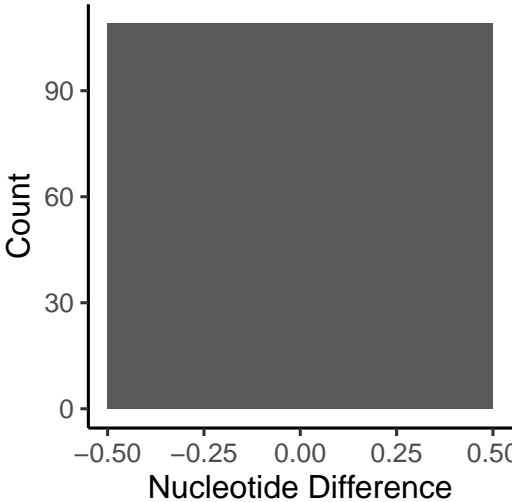
TRBV13*ap01

899 sequences assigned
881 (98%) exact matches, in which:
879 unique CDR3
13 unique J



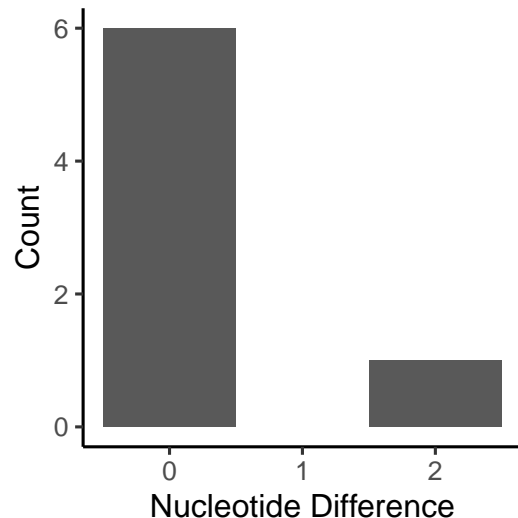
TRBV16*ap01

109 sequences assigned
109 (100%) exact matches, in which:
108 unique CDR3
12 unique J



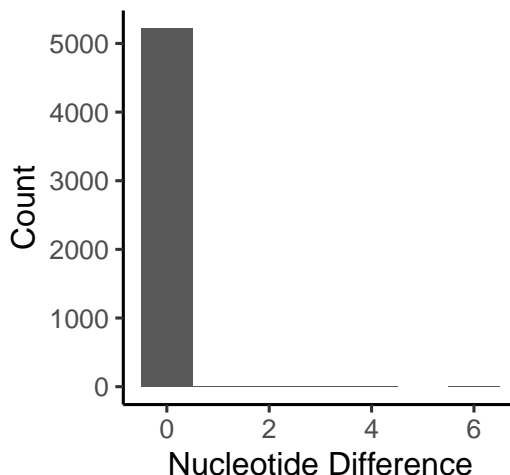
TRBV17*ap01

7 sequences assigned
6 (85.7%) exact matches, in which:
6 unique CDR3
3 unique J



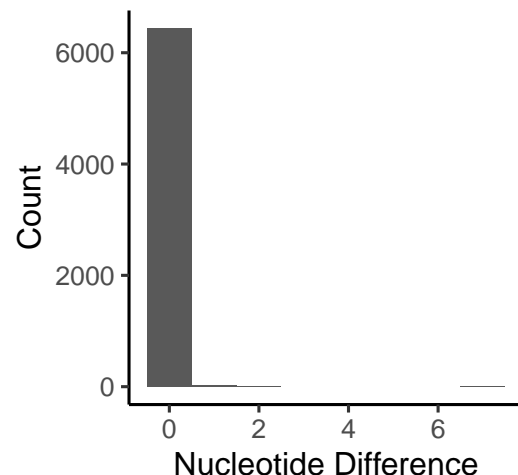
TRBV2*ap01

5239 sequences assigned
5219 (99.6%) exact matches, in which:
5209 unique CDR3
13 unique J



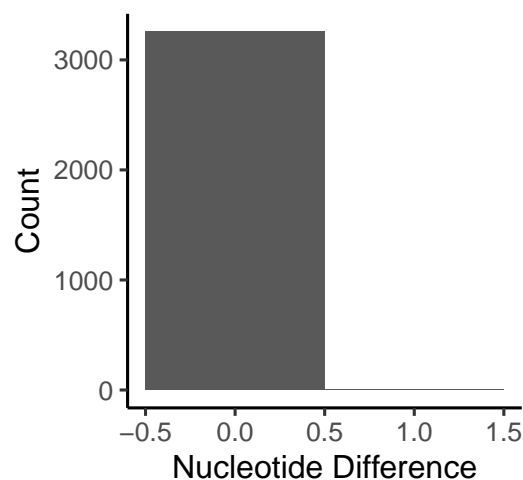
TRBV28*ap01

6465 sequences assigned
6437 (99.6%) exact matches, in which:
6415 unique CDR3
13 unique J



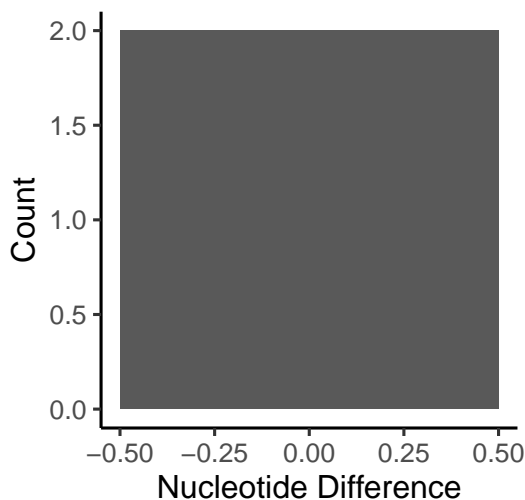
TRBV18*ap01

3259 sequences assigned
3256 (99.9%) exact matches, in which:
3244 unique CDR3
13 unique J



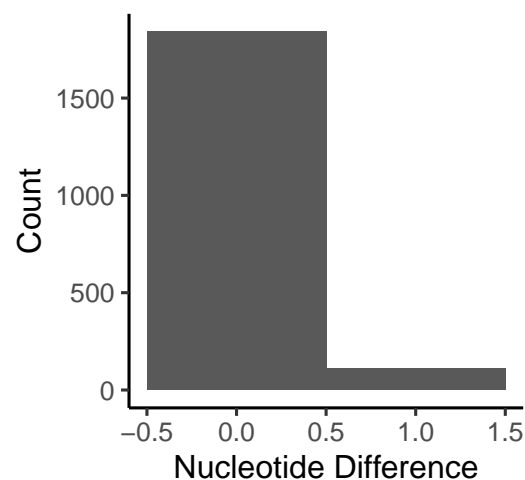
TRBV26*ap01

2 sequences assigned
2 (100%) exact matches, in which:
2 unique CDR3
2 unique J



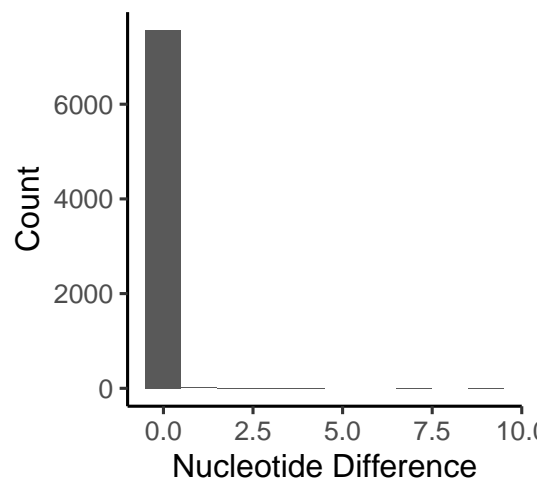
TRBV30*ap01

1949 sequences assigned
1841 (94.5%) exact matches, in which:
1834 unique CDR3
13 unique J



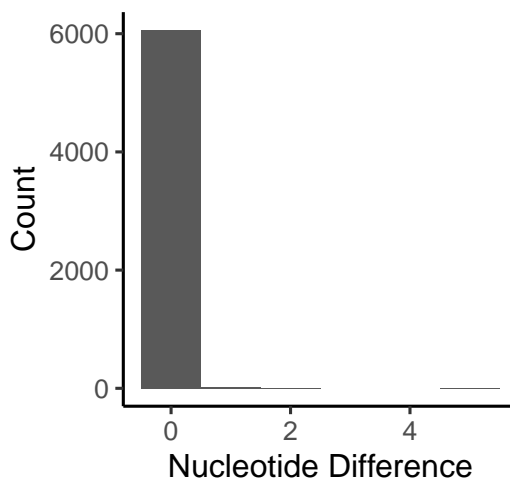
TRBV19*ap01

7590 sequences assigned
7566 (99.7%) exact matches, in which:
7551 unique CDR3
13 unique J



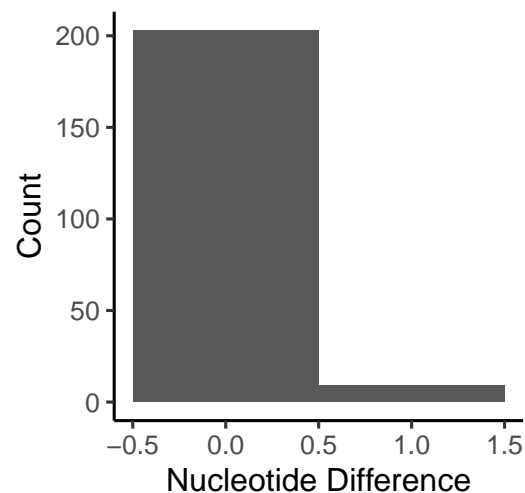
TRBV27*ap01

6090 sequences assigned
6062 (99.5%) exact matches, in which:
6042 unique CDR3
13 unique J



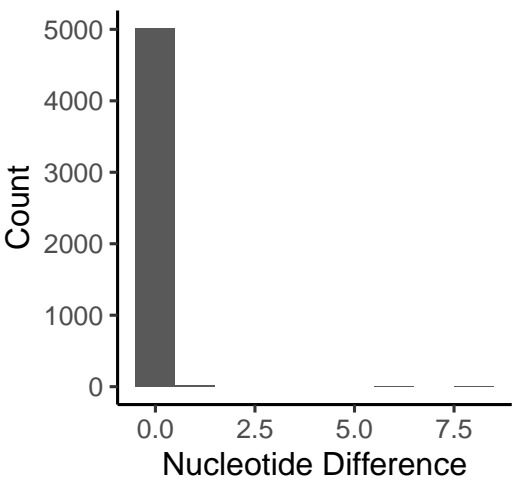
TRBV30*ap03

212 sequences assigned
203 (95.8%) exact matches, in which:
203 unique CDR3
11 unique J



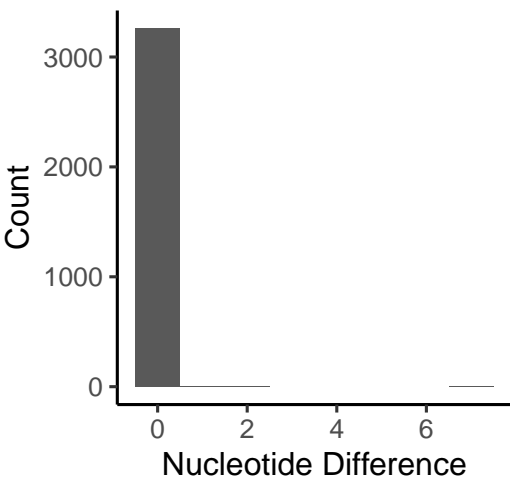
TRBV9*ap01

5033 sequences assigned
5013 (99.6%) exact matches, in which:
4984 unique CDR3
13 unique J



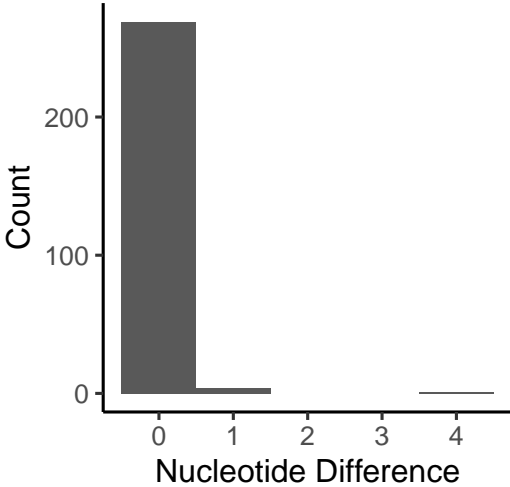
TRBV11-2*ap01

3270 sequences assigned
3260 (99.7%) exact matches, in which:
3247 unique CDR3
13 unique J



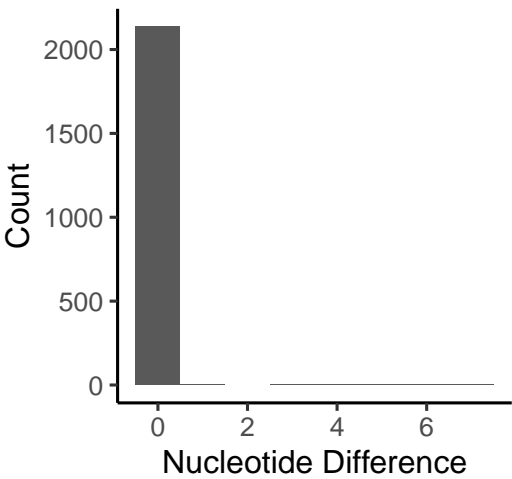
TRBV12-2*ap01

274 sequences assigned
269 (98.2%) exact matches, in which:
265 unique CDR3
13 unique J



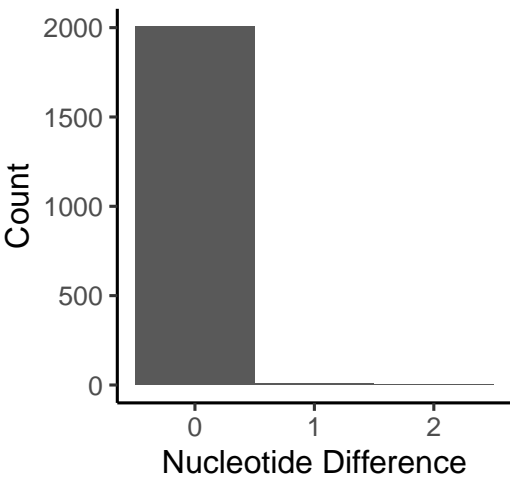
TRBV21-1*ap01

2149 sequences assigned
2136 (99.4%) exact matches, in which:
2133 unique CDR3
13 unique J



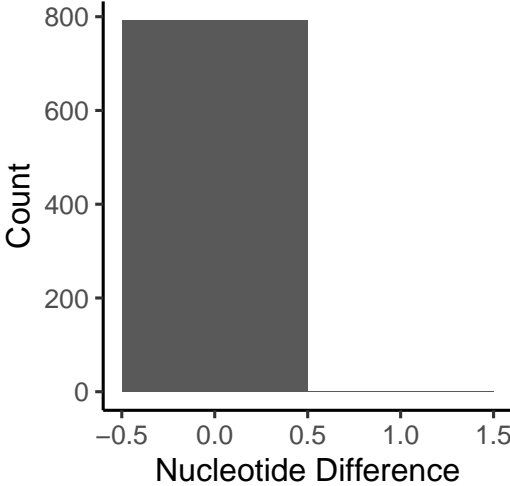
TRBV11-3*ap01

2013 sequences assigned
2005 (99.6%) exact matches, in which:
1988 unique CDR3
13 unique J



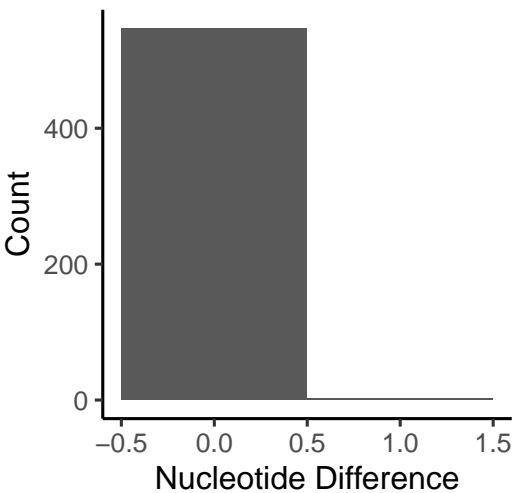
TRBV12-5*ap01

795 sequences assigned
793 (99.7%) exact matches, in which:
792 unique CDR3
13 unique J



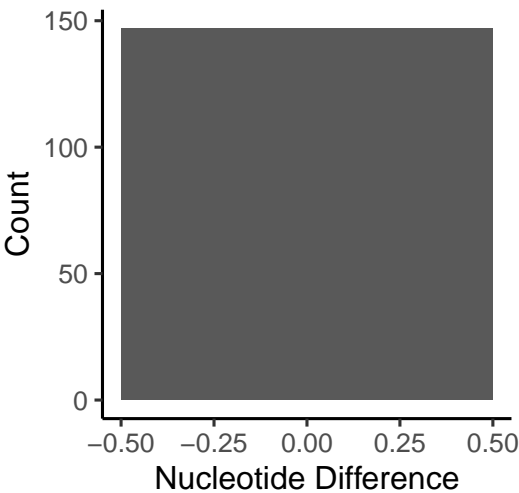
TRBV11-1*ap01

549 sequences assigned
547 (99.6%) exact matches, in which:
543 unique CDR3
13 unique J



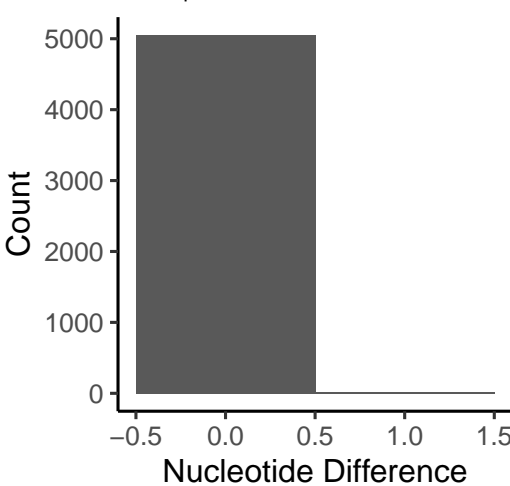
TRBV12-1*ap01

147 sequences assigned
147 (100%) exact matches, in which:
147 unique CDR3
13 unique J



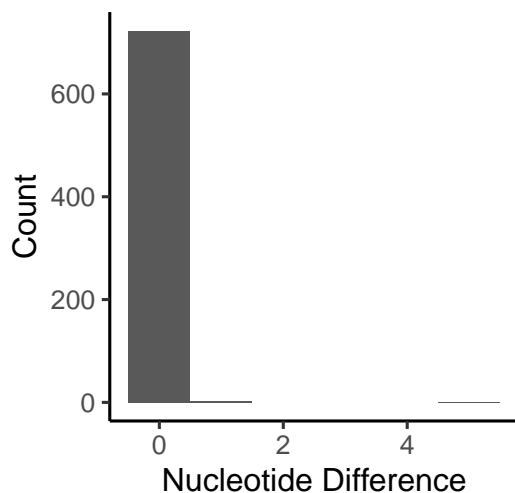
TRBV12-34*ap01

5067 sequences assigned
5052 (99.7%) exact matches, in which:
5039 unique CDR3
13 unique J



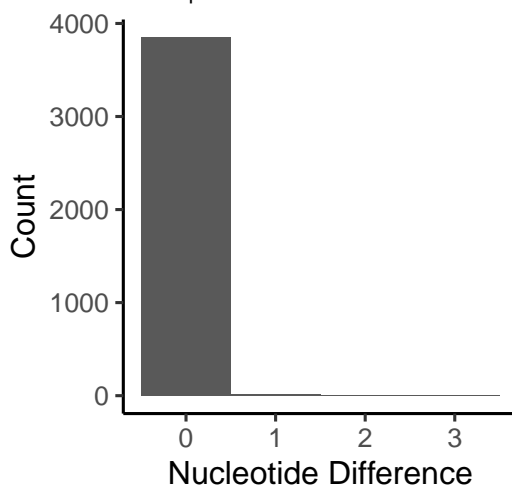
TRBV23-1*ap01

727 sequences assigned
723 (99.4%) exact matches, in which:
719 unique CDR3
13 unique J



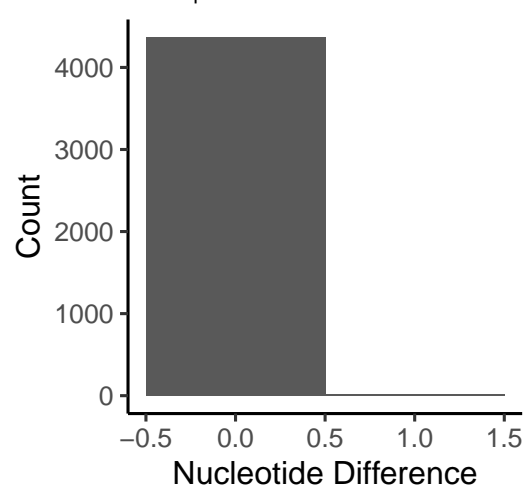
TRBV4-1*ap01

3863 sequences assigned
3850 (99.7%) exact matches, in which:
3830 unique CDR3
13 unique J



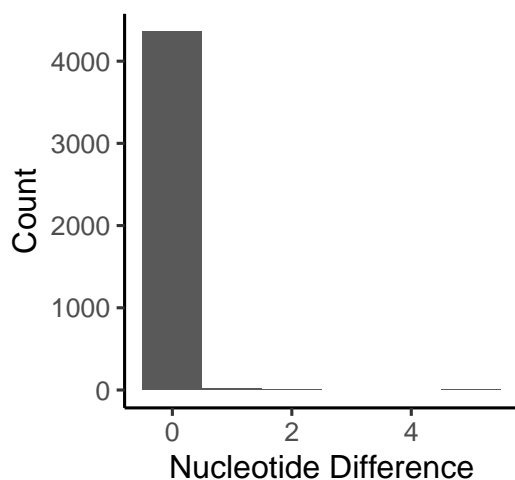
TRBV5-1*ap01

4380 sequences assigned
4366 (99.7%) exact matches, in which:
4314 unique CDR3
13 unique J



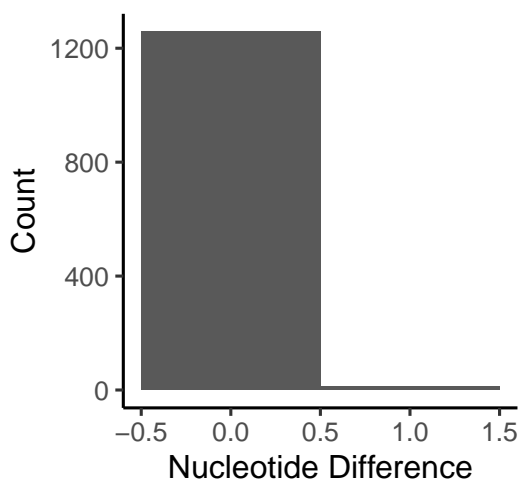
TRBV3-12*ap01

4384 sequences assigned
4358 (99.4%) exact matches, in which:
4354 unique CDR3
13 unique J



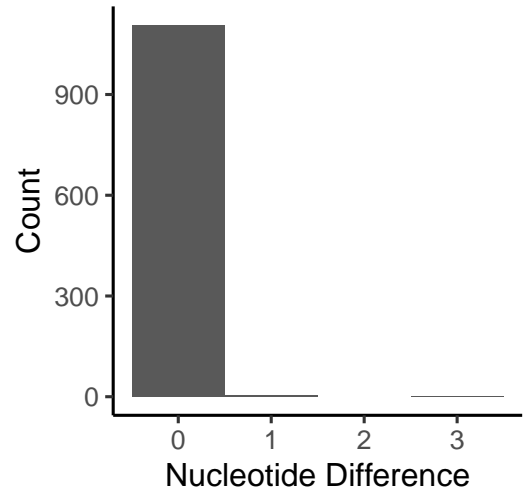
TRBV4-2*ap01

1269 sequences assigned
1258 (99.1%) exact matches, in which:
1254 unique CDR3
13 unique J



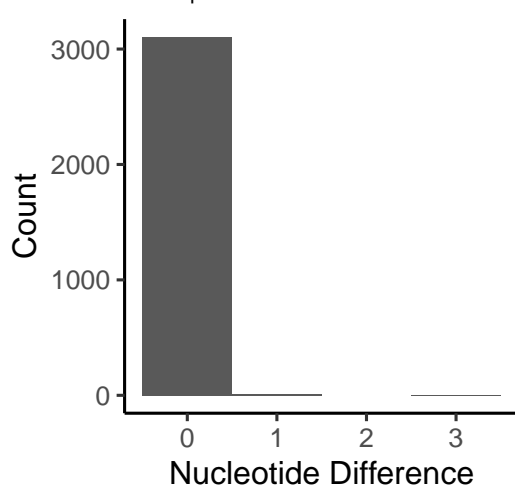
TRBV25-1*ap01

1111 sequences assigned
1107 (99.6%) exact matches, in which:
1105 unique CDR3
13 unique J



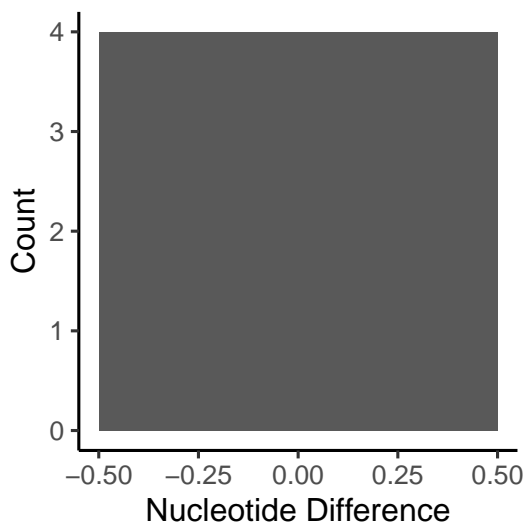
TRBV24-1*ap01

3116 sequences assigned
3104 (99.6%) exact matches, in which:
3098 unique CDR3
13 unique J



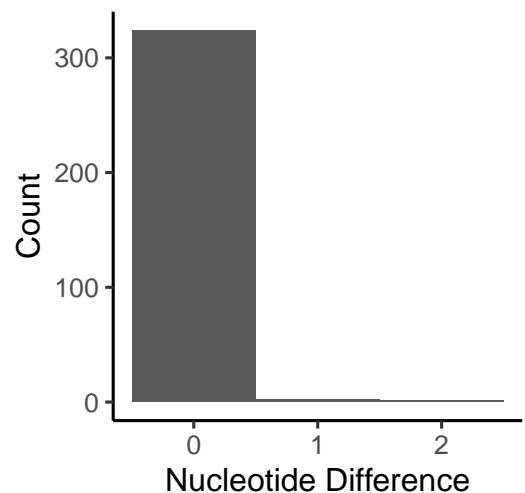
TRBV4-3*ap01

4 sequences assigned
4 (100%) exact matches, in which:
4 unique CDR3
3 unique J



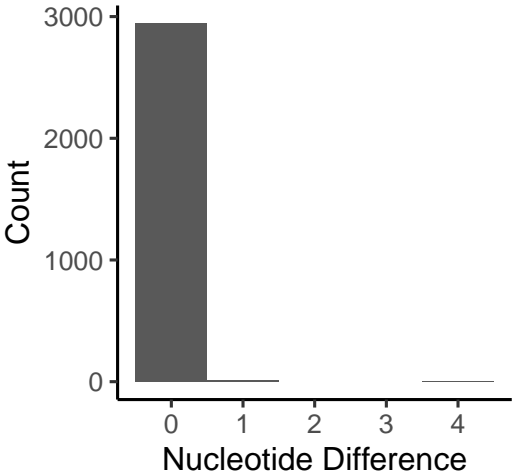
TRBV5-3*ap01

327 sequences assigned
324 (99.1%) exact matches, in which:
321 unique CDR3
13 unique J



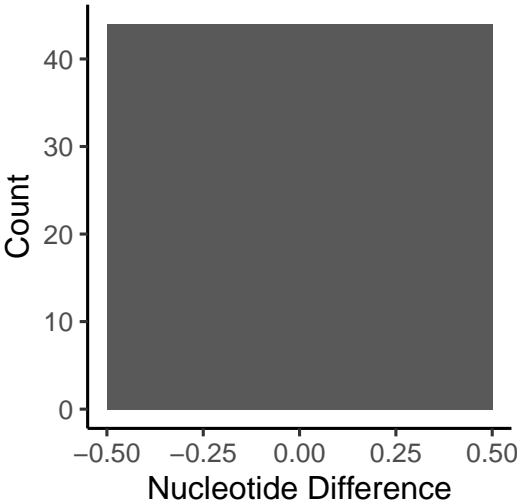
TRBV5-4*ap01

2959 sequences assigned
2944 (99.5%) exact matches, in which:
2932 unique CDR3
13 unique J



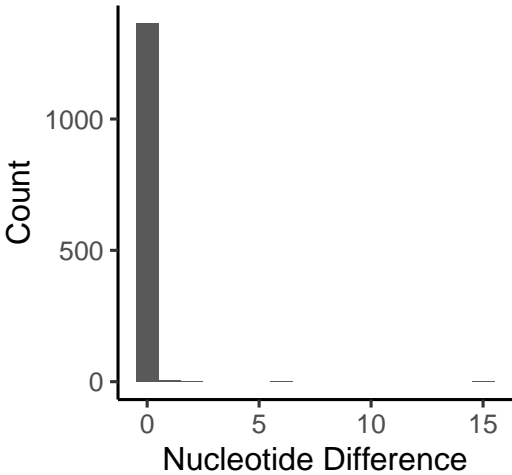
TRBV5-7*ap01

44 sequences assigned
44 (100%) exact matches, in which:
44 unique CDR3
11 unique J



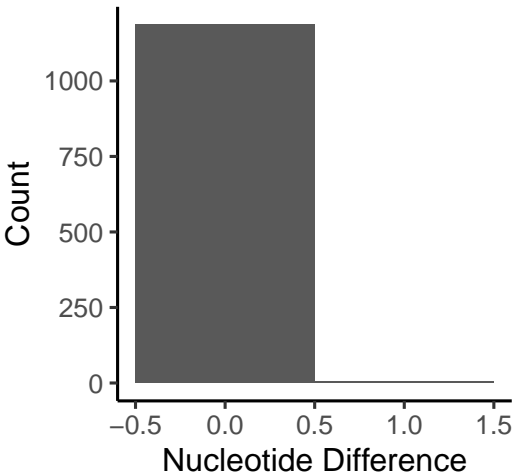
TRBV6-4*ap01

1374 sequences assigned
1364 (99.3%) exact matches, in which:
1363 unique CDR3
13 unique J



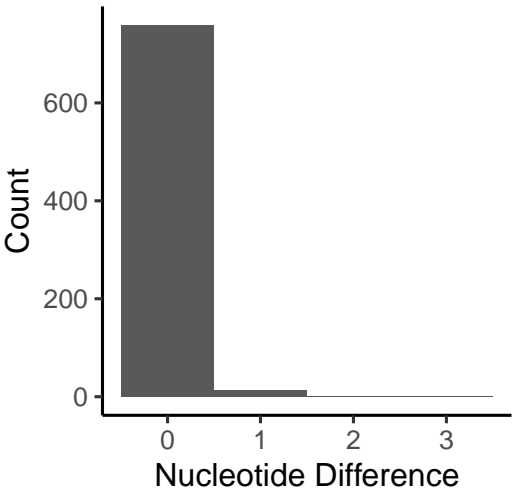
TRBV5-5*ap01

1191 sequences assigned
1186 (99.6%) exact matches, in which:
1183 unique CDR3
13 unique J



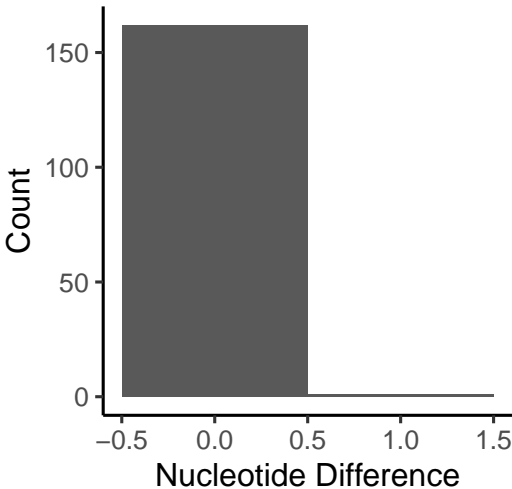
TRBV5-8*ap01

775 sequences assigned
759 (97.9%) exact matches, in which:
758 unique CDR3
13 unique J



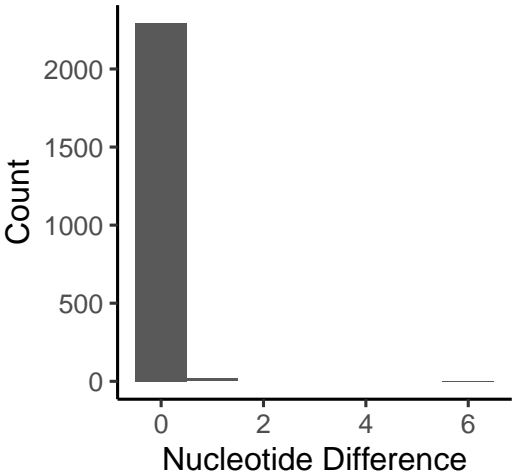
TRBV6-7*ap01

163 sequences assigned
162 (99.4%) exact matches, in which:
162 unique CDR3
13 unique J



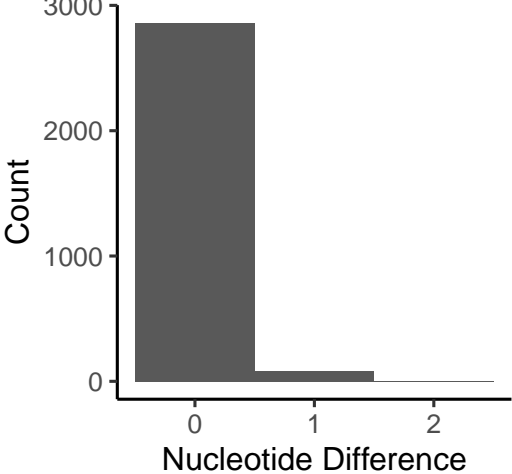
TRBV5-6*ap01

2314 sequences assigned
2294 (99.1%) exact matches, in which:
2272 unique CDR3
13 unique J



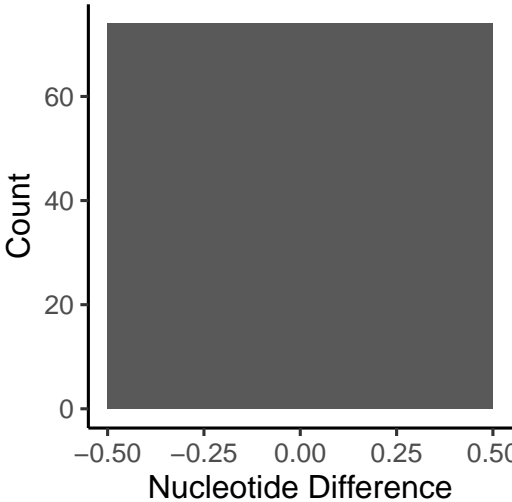
TRBV6-1*ap01

2942 sequences assigned
2859 (97.2%) exact matches, in which:
2847 unique CDR3
13 unique J



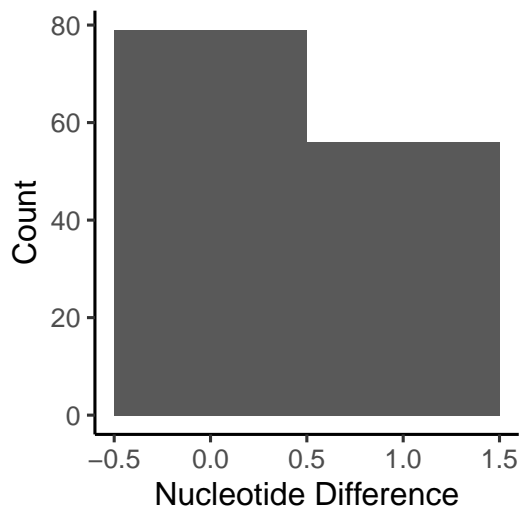
TRBV6-8*ap01

74 sequences assigned
74 (100%) exact matches, in which:
73 unique CDR3
13 unique J



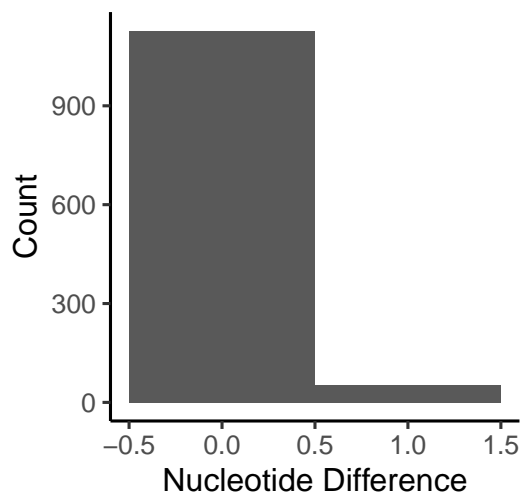
TRBV6-9*ap01

135 sequences assigned
79 (58.5%) exact matches, in which:
79 unique CDR3
13 unique J



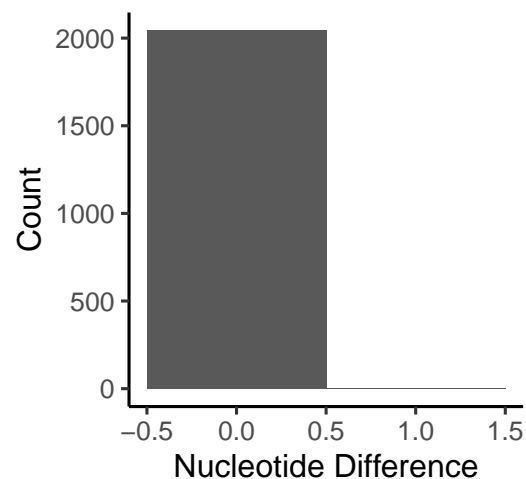
TRBV6-56*ap02

1182 sequences assigned
1128 (95.4%) exact matches, in which:
1123 unique CDR3
13 unique J



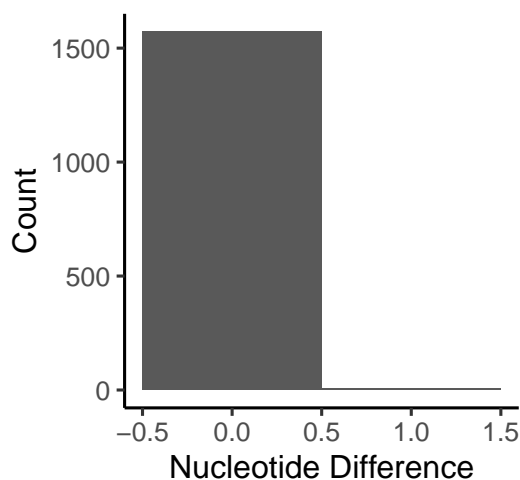
TRBV7-2*ap01

2048 sequences assigned
2044 (99.8%) exact matches, in which:
2037 unique CDR3
13 unique J



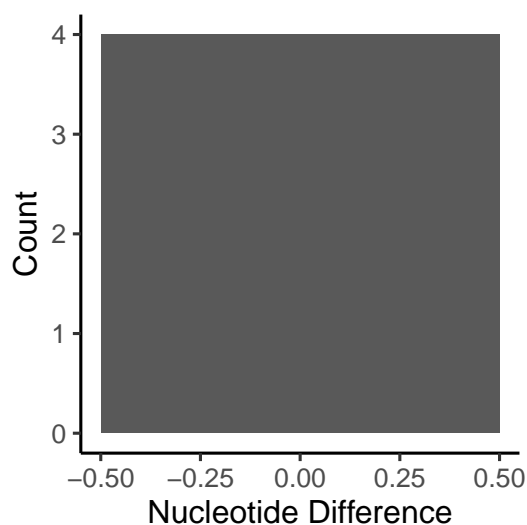
TRBV6-23*ap01

1577 sequences assigned
1572 (99.7%) exact matches, in which:
1568 unique CDR3
13 unique J



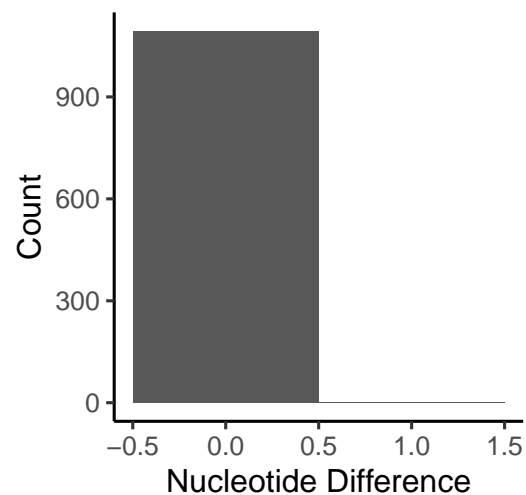
TRBV7-1*ap01

4 sequences assigned
4 (100%) exact matches, in which:
4 unique CDR3
3 unique J



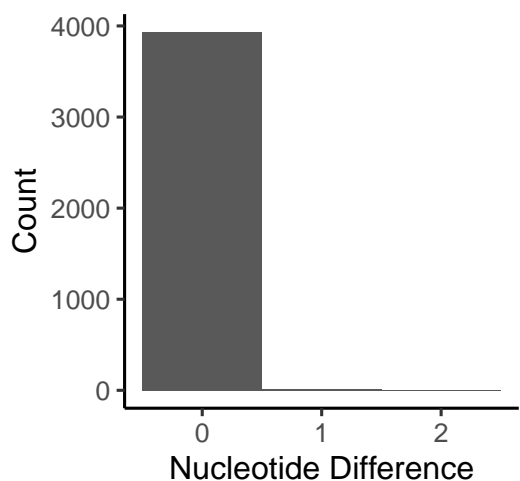
TRBV7-3*ap01

1095 sequences assigned
1094 (99.9%) exact matches, in which:
1082 unique CDR3
13 unique J



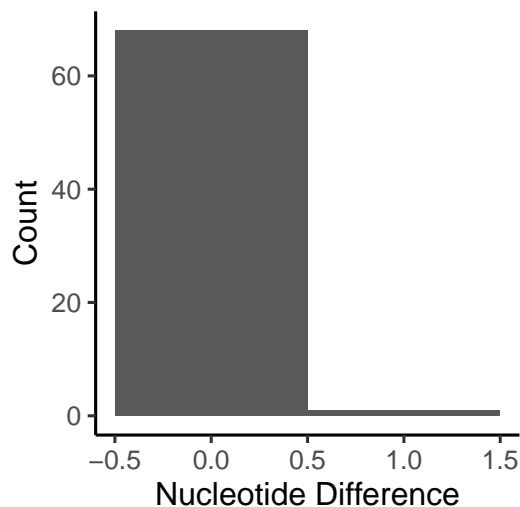
TRBV6-56*ap01

3949 sequences assigned
3933 (99.6%) exact matches, in which:
3920 unique CDR3
13 unique J



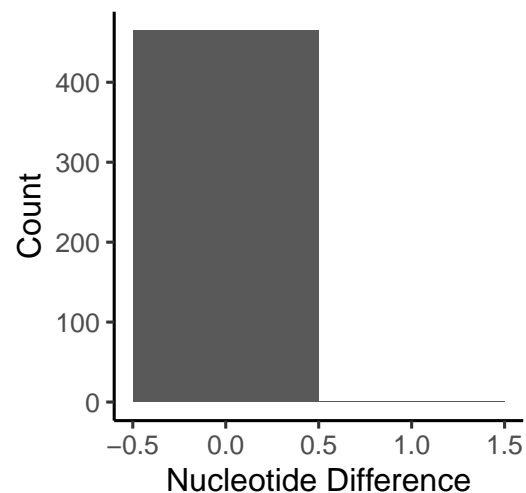
TRBV7-1*ap01_G291C_T

69 sequences assigned
68 (98.6%) exact matches, in which:
68 unique CDR3
13 unique J



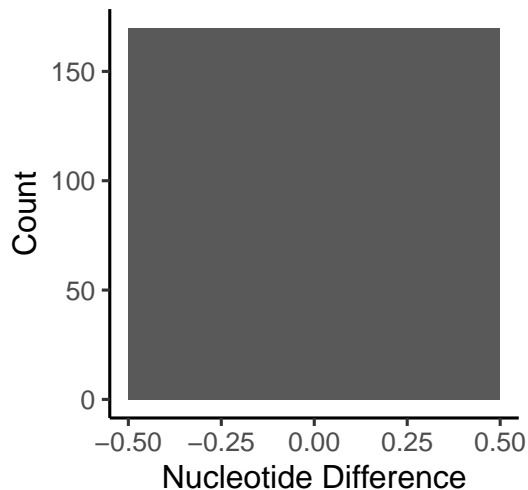
TRBV7-3*ap01_G292T

466 sequences assigned
465 (99.8%) exact matches, in which:
463 unique CDR3
13 unique J



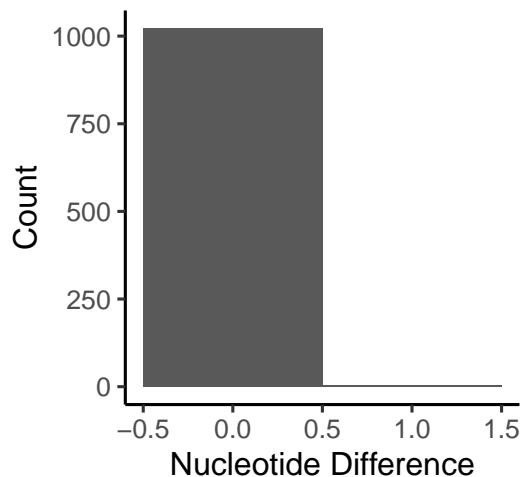
TRBV7-4*ap01

170 sequences assigned
170 (100%) exact matches, in which:
170 unique CDR3
12 unique J



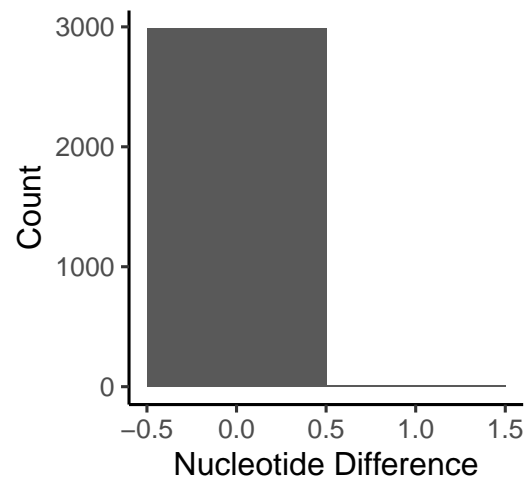
TRBV7-8*ap01

1026 sequences assigned
1022 (99.6%) exact matches, in which:
1015 unique CDR3
13 unique J



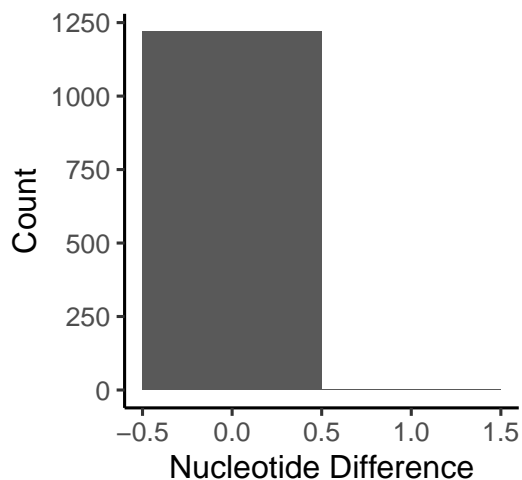
TRBV29-1*ap01

2999 sequences assigned
2987 (99.6%) exact matches, in which:
2969 unique CDR3
13 unique J



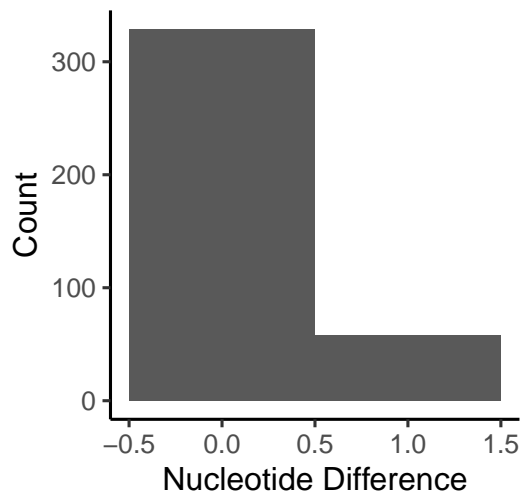
TRBV7-6*ap01

1221 sequences assigned
1219 (99.8%) exact matches, in which:
1213 unique CDR3
13 unique J



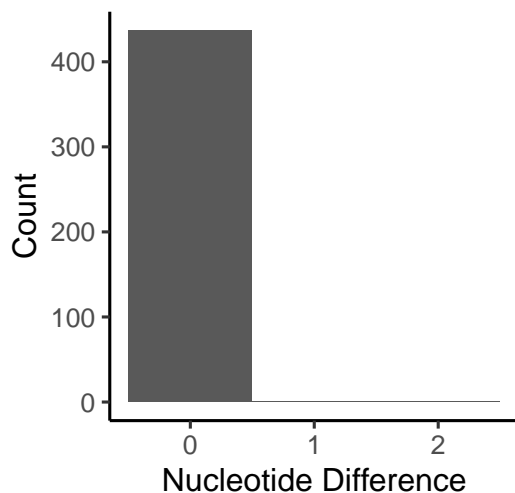
TRBV7-8*ap03

387 sequences assigned
329 (85%) exact matches, in which:
328 unique CDR3
13 unique J



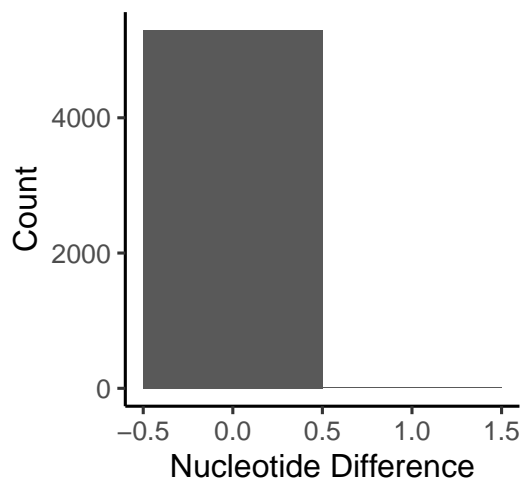
TRBV7-7*ap01_C315T

439 sequences assigned
437 (99.5%) exact matches, in which:
436 unique CDR3
13 unique J

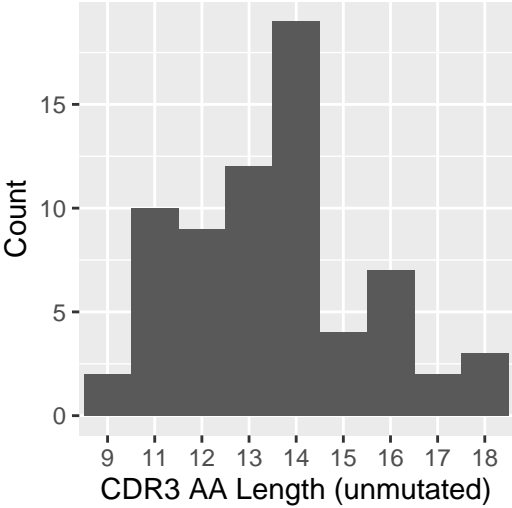


TRBV7-9*ap01

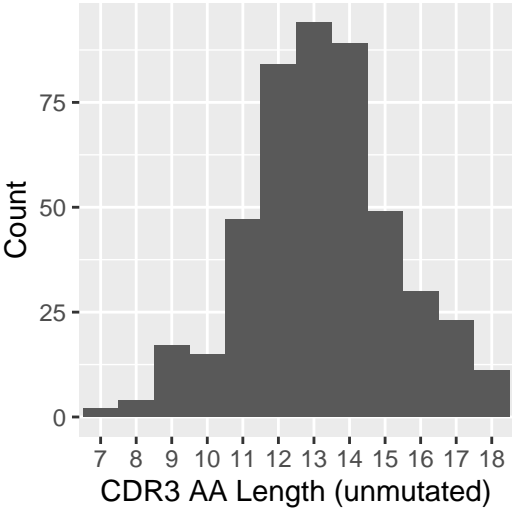
5311 sequences assigned
5297 (99.7%) exact matches, in which:
5278 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-3*ap01_G292T



TRBV7-7*ap01_C315T

