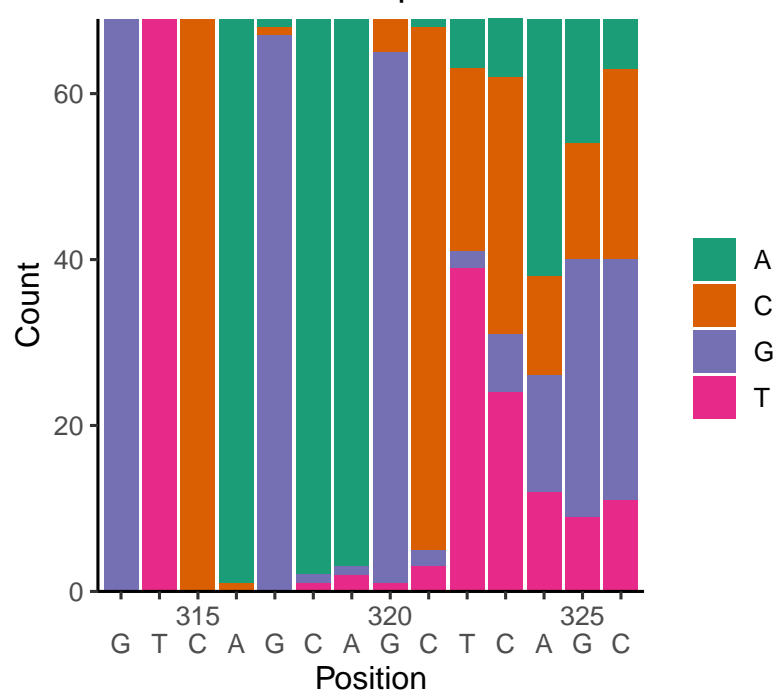
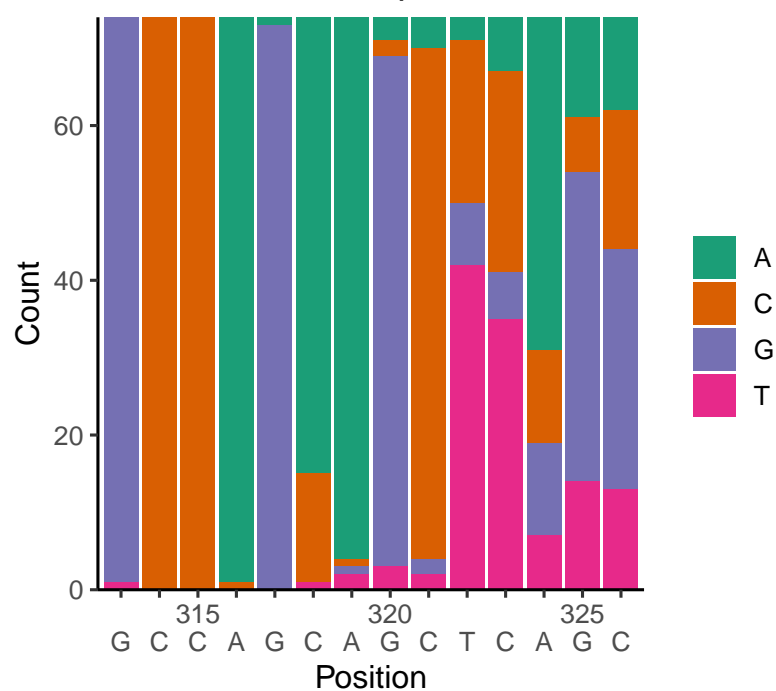


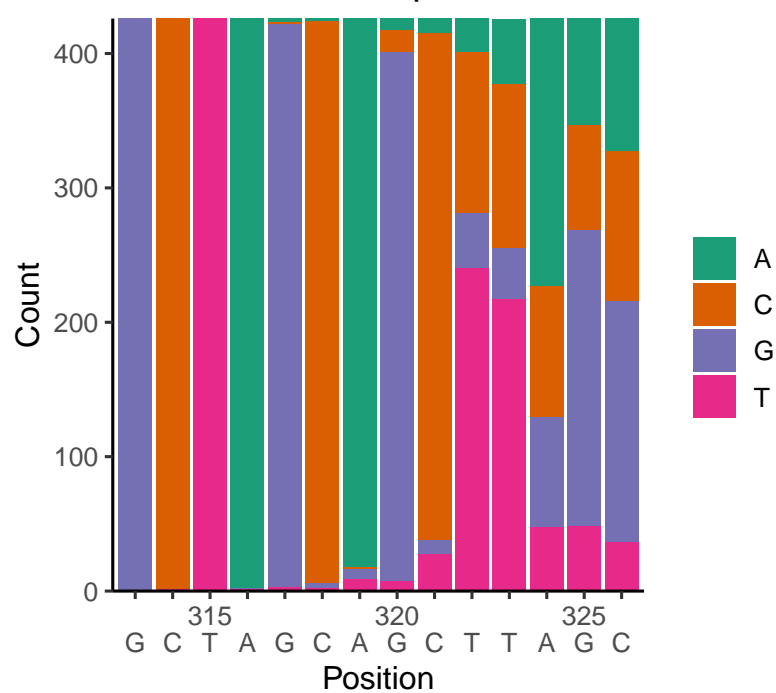
Gene TRBV7-1*ap01_G291C_T296C_C314T



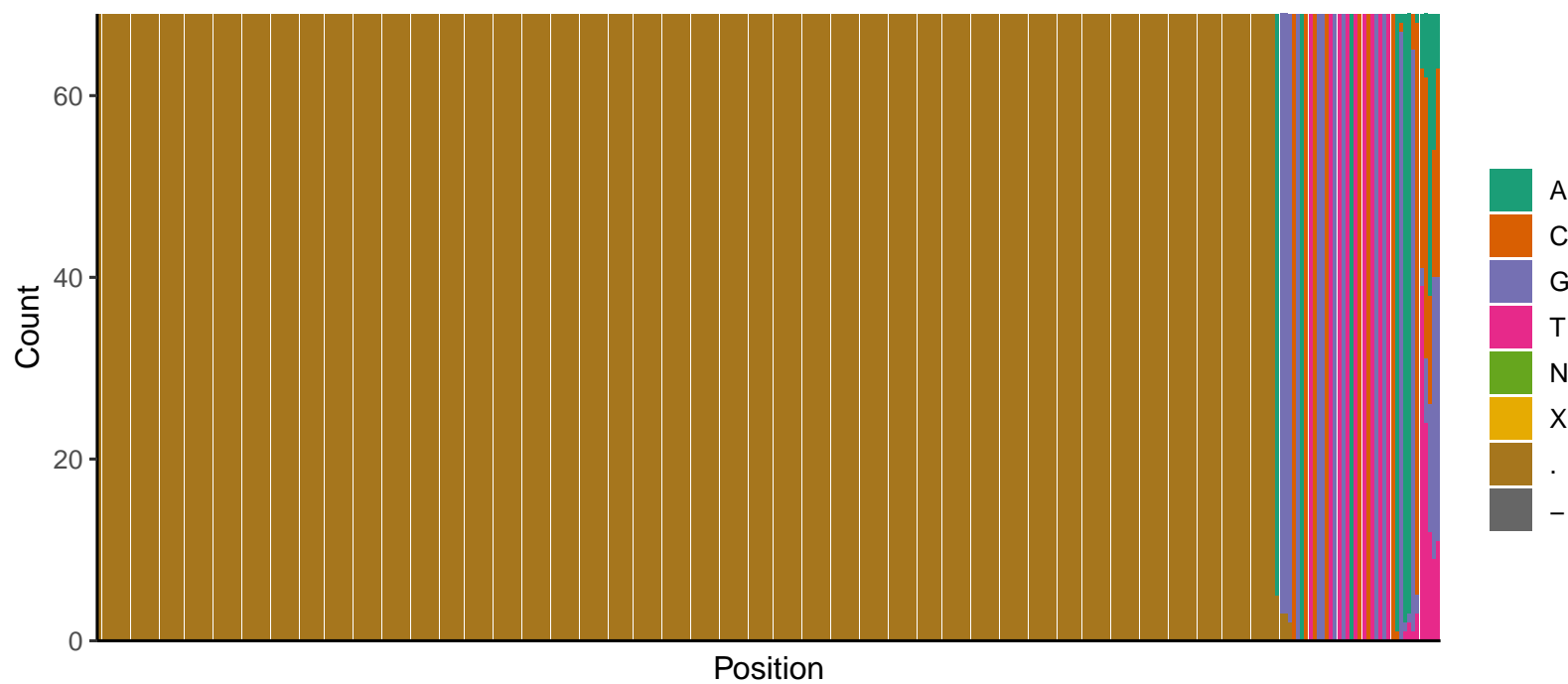
Gene TRBV7-1*ap01_G291C_T296C



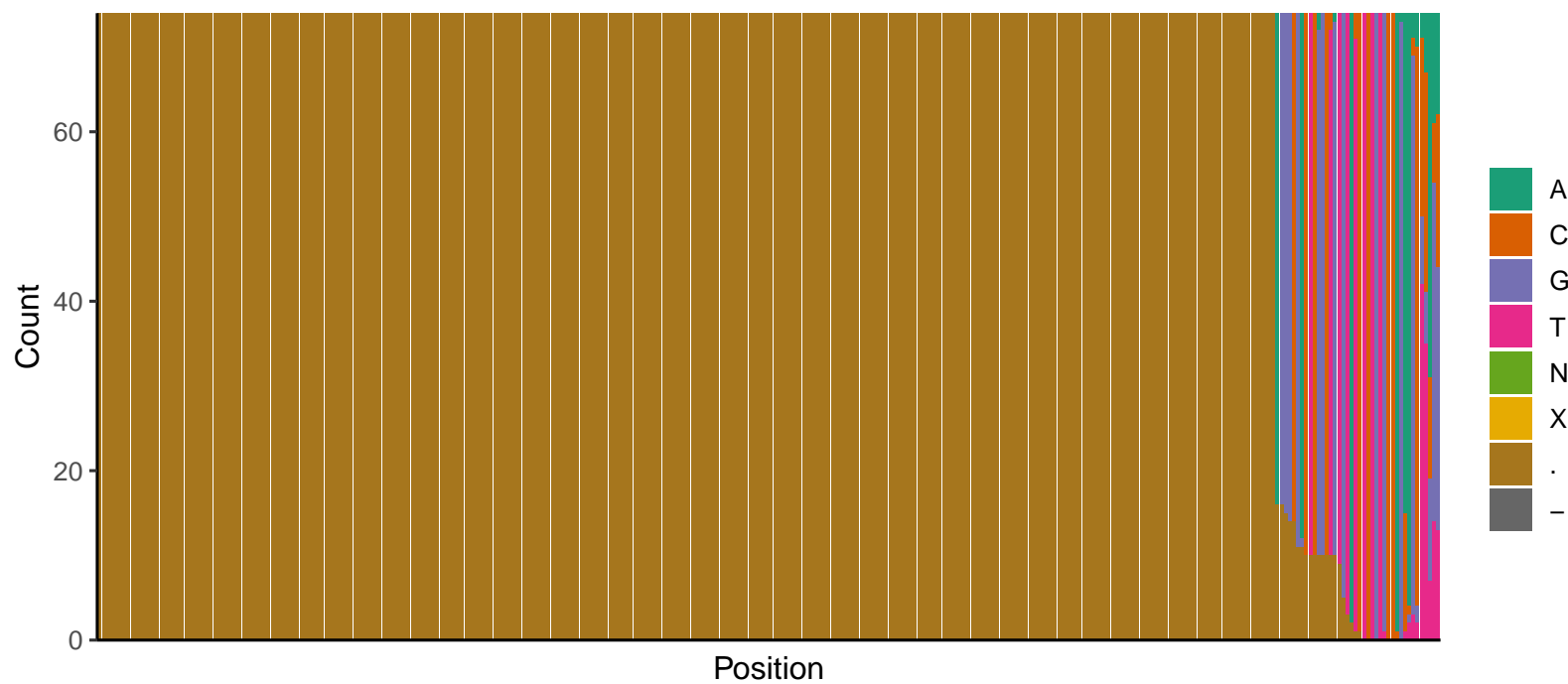
Gene TRBV7-7*ap01_C315T



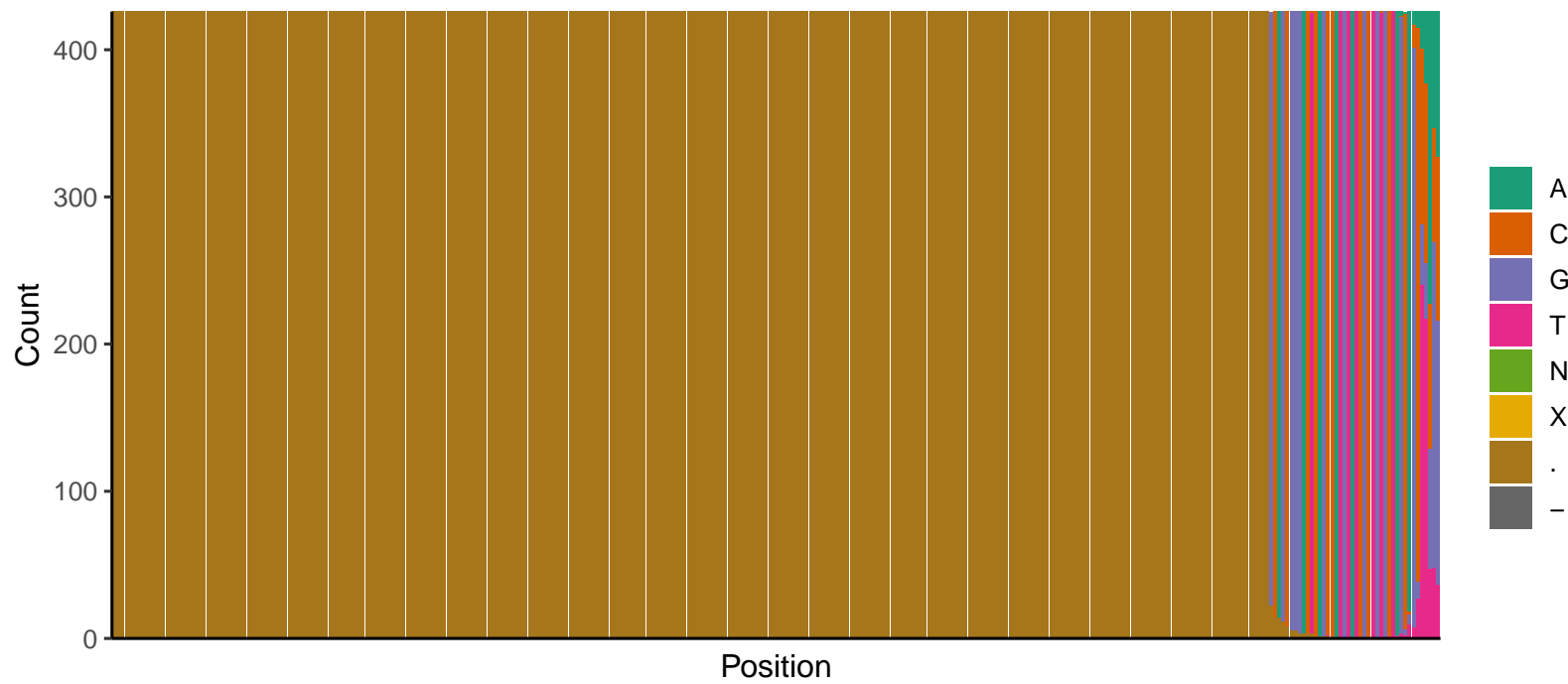
Gene TRBV7-1*ap01_G291C_T296C_C314T



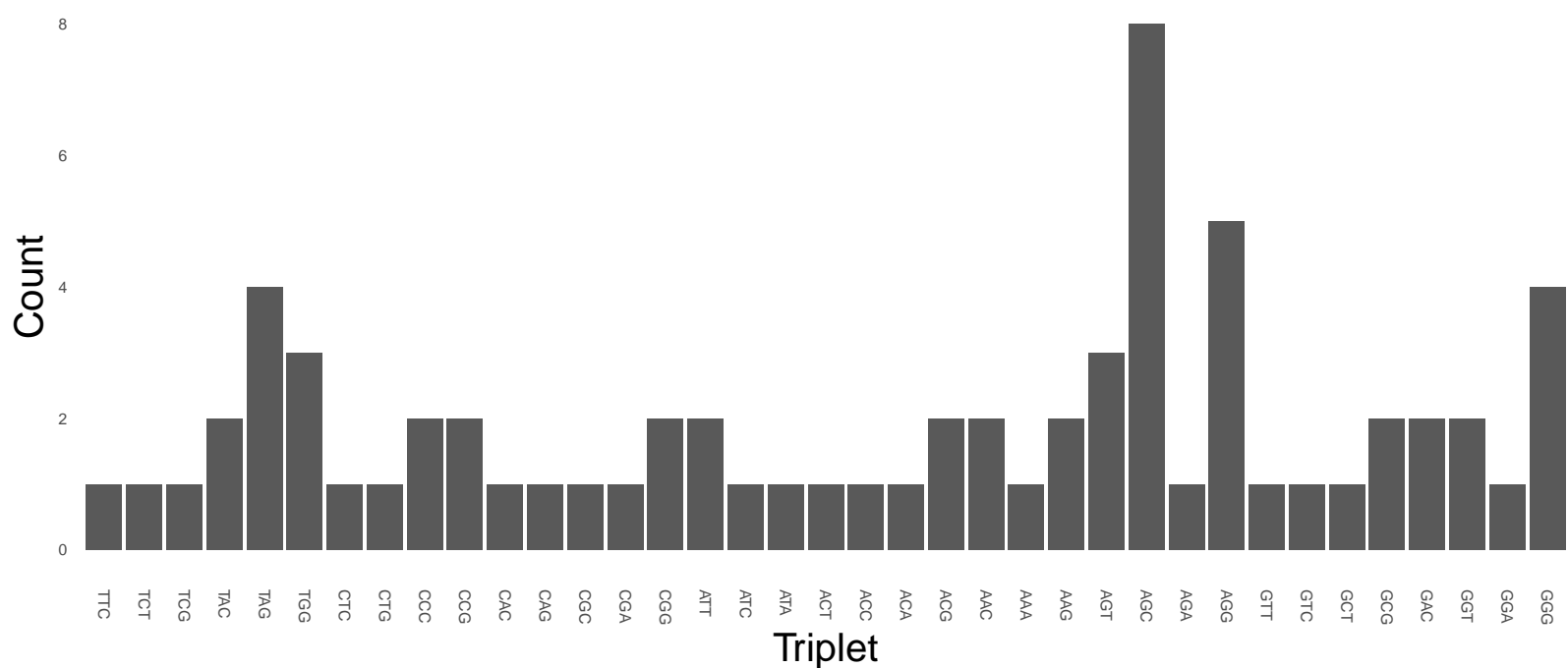
Gene TRBV7-1*ap01_G291C_T296C



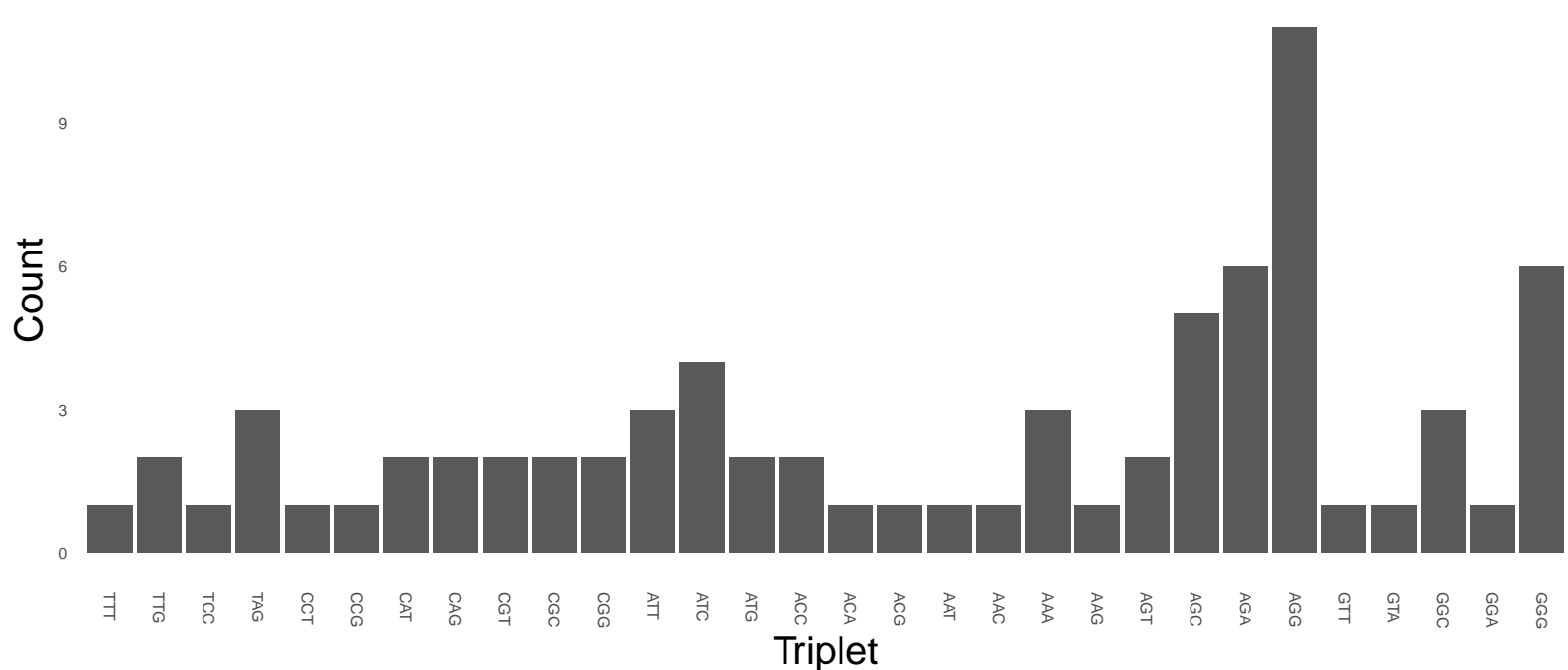
Gene TRBV7-7*ap01_C315T



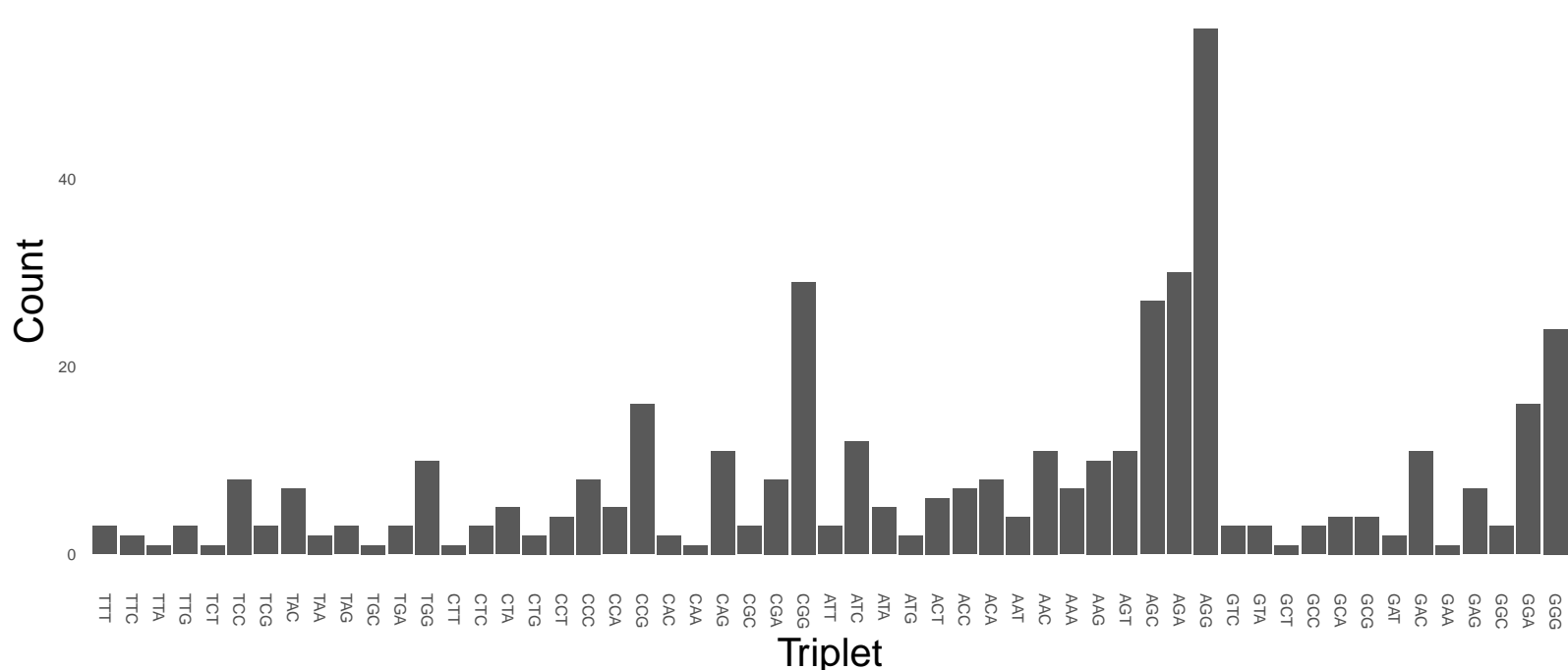
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

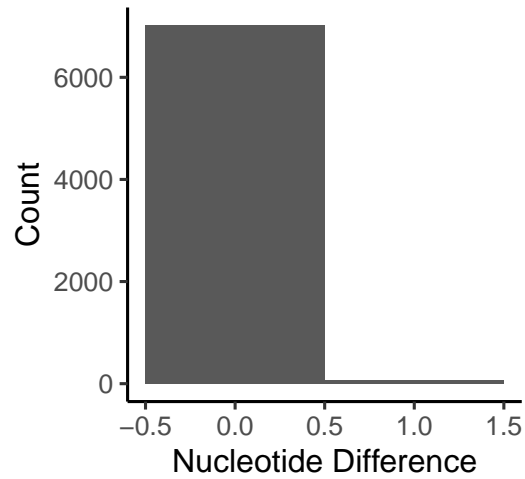


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



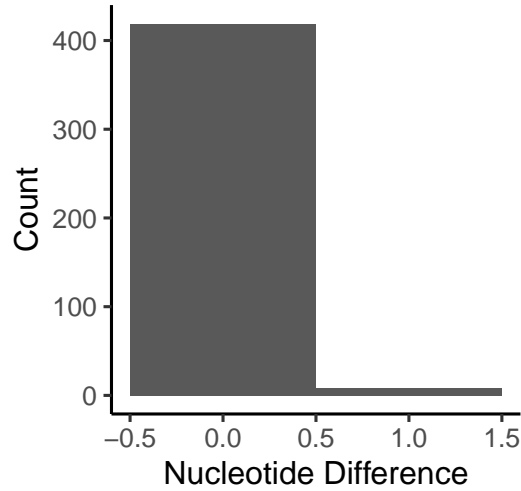
TRBV20-1*ap01

7090 sequences assigned
7017 (99%) exact matches, in which:
6830 unique CDR3
13 unique J



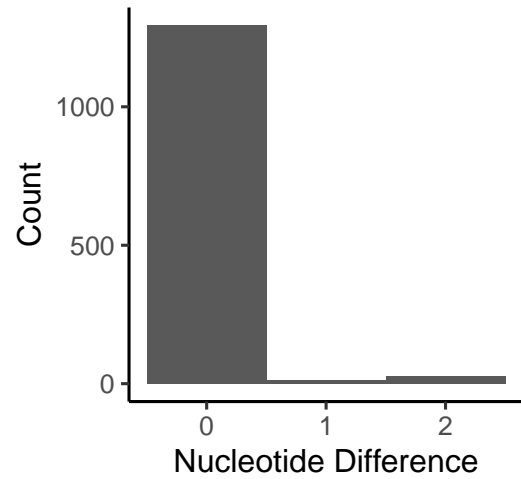
TRBV10-2*ap01

427 sequences assigned
419 (98.1%) exact matches, in which:
414 unique CDR3
13 unique J



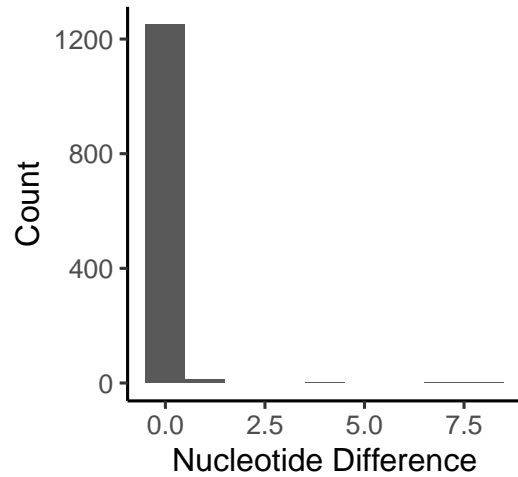
TRBV13*ap01

1334 sequences assigned
1294 (97%) exact matches, in which:
1248 unique CDR3
13 unique J



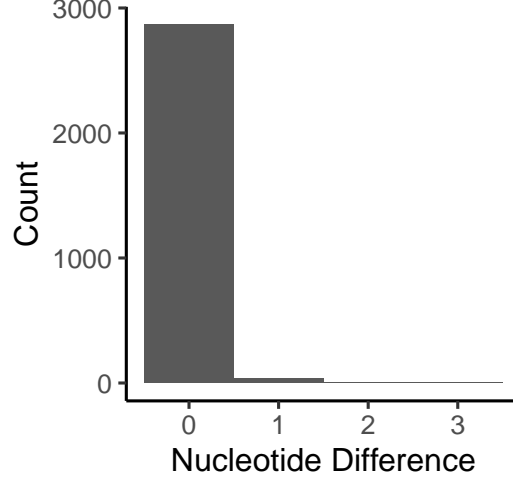
TRBV10-1*ap01

1265 sequences assigned
1250 (98.8%) exact matches, in which:
1222 unique CDR3
13 unique J



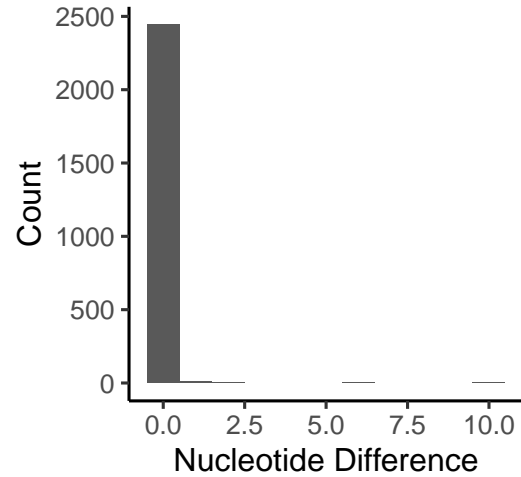
TRBV10-3*ap01

2901 sequences assigned
2866 (98.8%) exact matches, in which:
2783 unique CDR3
13 unique J



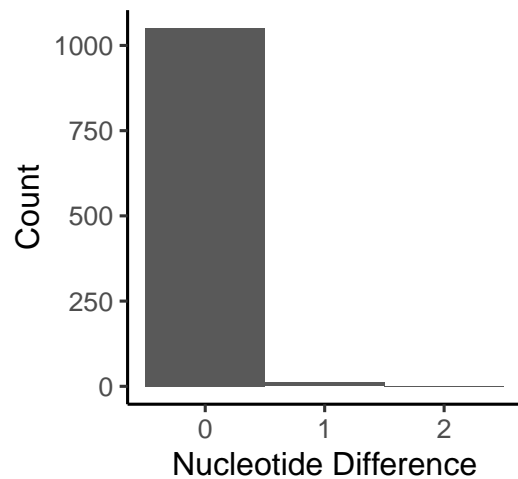
TRBV14*ap01

2459 sequences assigned
2443 (99.3%) exact matches, in which:
2400 unique CDR3
13 unique J



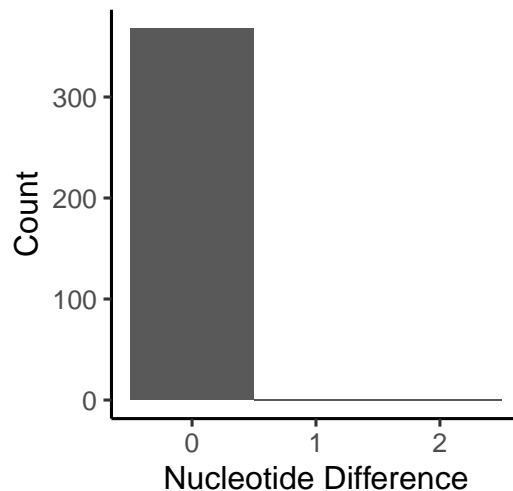
TRBV20-1*ap02

1063 sequences assigned
1051 (98.9%) exact matches, in which:
1023 unique CDR3
13 unique J



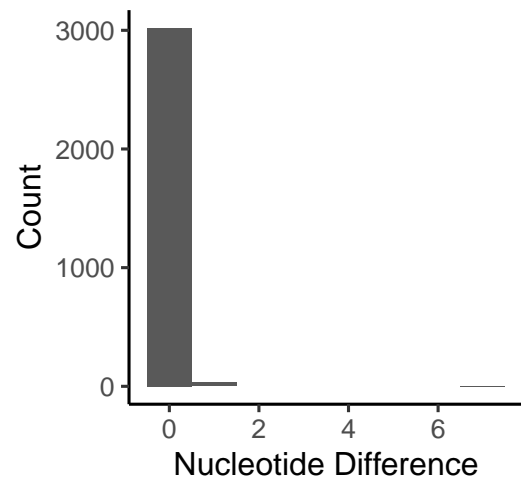
TRBV1*ap01

370 sequences assigned
368 (99.5%) exact matches, in which:
348 unique CDR3
13 unique J



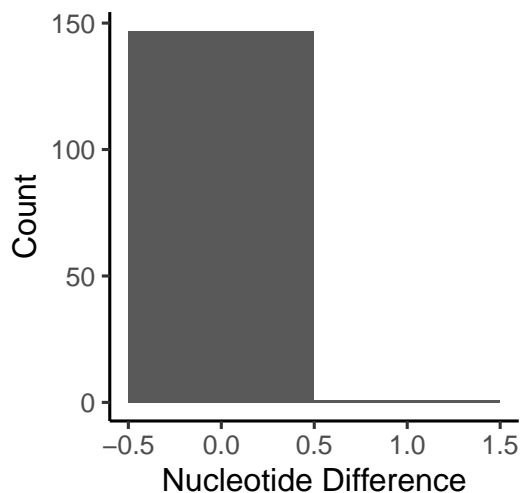
TRBV15*ap02

3053 sequences assigned
3019 (98.9%) exact matches, in which:
2935 unique CDR3
14 unique J



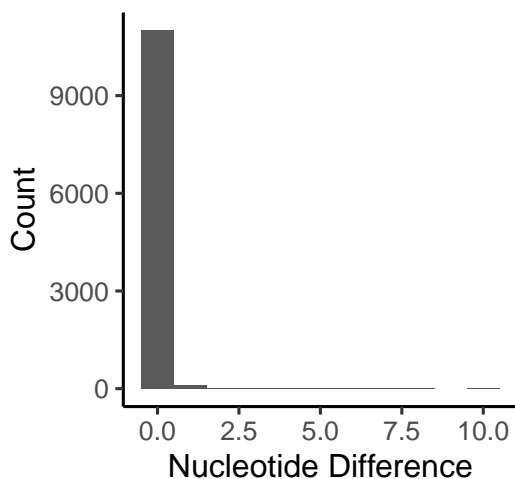
TRBV16*ap01

148 sequences assigned
147 (99.3%) exact matches, in which:
147 unique CDR3
12 unique J



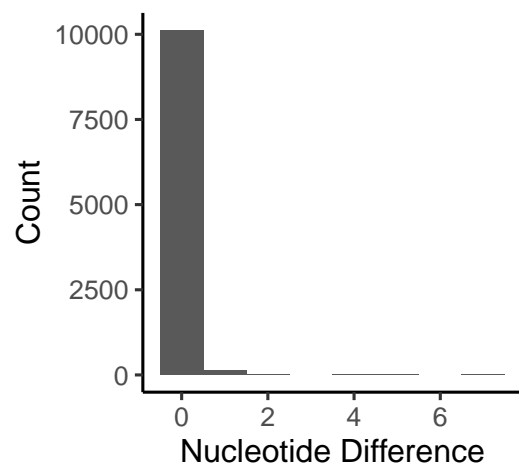
TRBV19*ap01

11126 sequences assigned
11003 (98.9%) exact matches, in which:
10870 unique CDR3
13 unique J



TRBV27*ap01

10258 sequences assigned
10122 (98.7%) exact matches, in which:
9815 unique CDR3
14 unique J



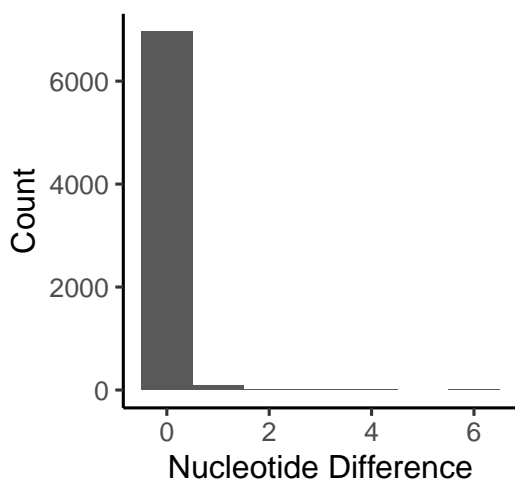
TRBV17*ap01

2 sequences assigned
1 (50%) exact matches, in which:
1 unique CDR3
1 unique J



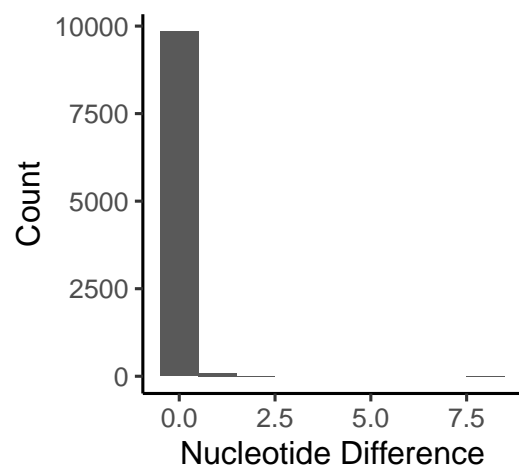
TRBV2*ap01

7061 sequences assigned
6960 (98.6%) exact matches, in which:
6771 unique CDR3
13 unique J



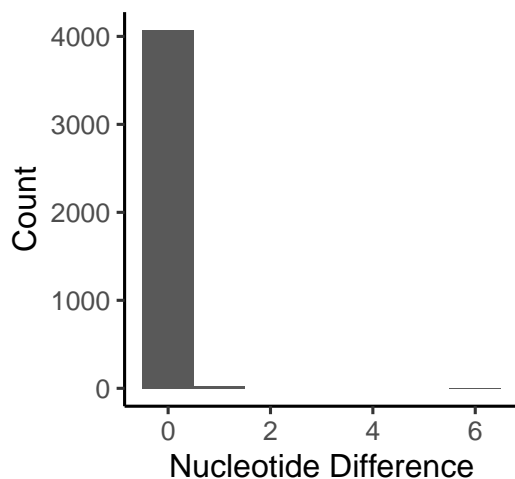
TRBV28*ap01

9943 sequences assigned
9846 (99%) exact matches, in which:
9685 unique CDR3
13 unique J



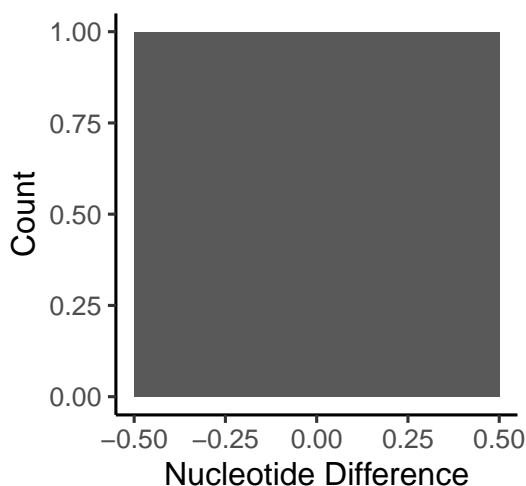
TRBV18*ap01

4103 sequences assigned
4072 (99.2%) exact matches, in which:
4022 unique CDR3
13 unique J



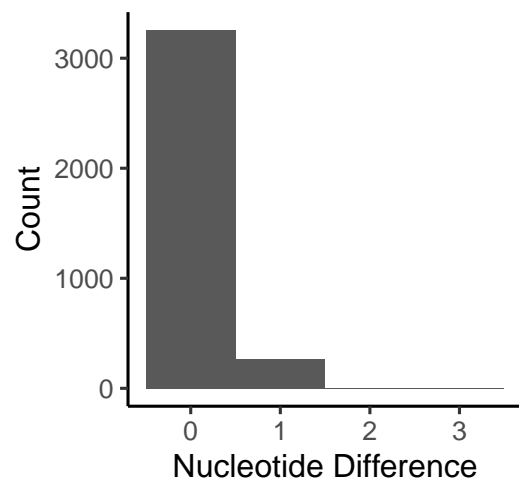
TRBV26*ap01

1 sequences assigned
1 (100%) exact matches, in which:
1 unique CDR3
1 unique J



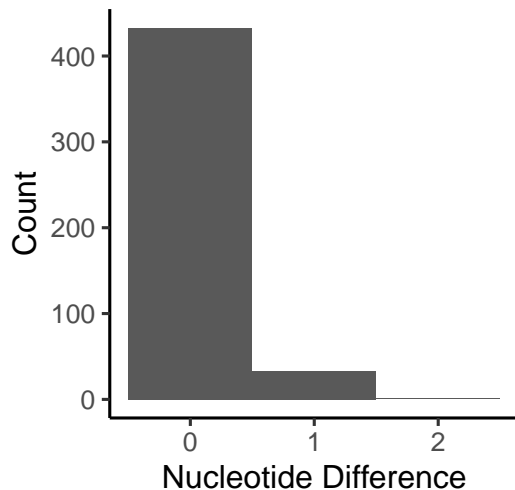
TRBV30*ap01

3525 sequences assigned
3256 (92.4%) exact matches, in which:
3143 unique CDR3
13 unique J



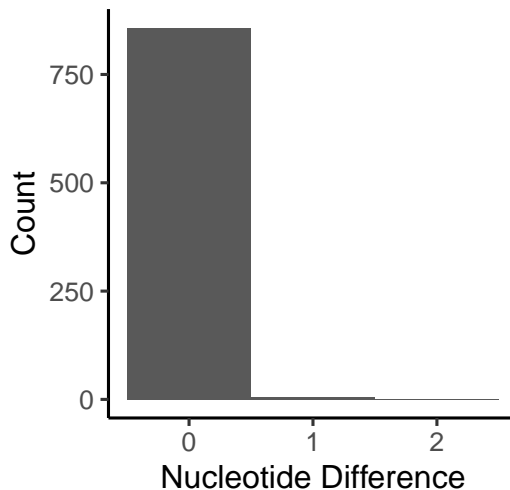
TRBV30*ap03

467 sequences assigned
433 (92.7%) exact matches, in which:
419 unique CDR3
13 unique J



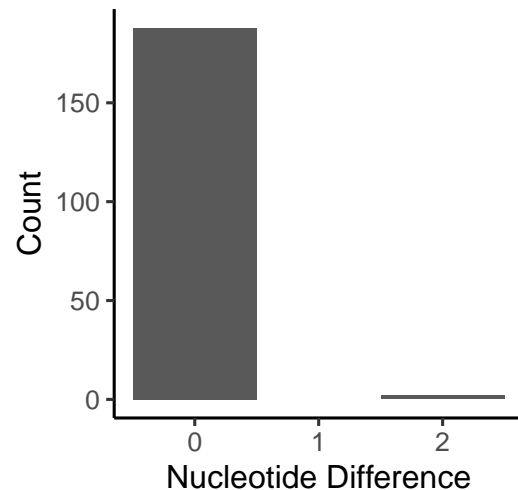
TRBV11-1*ap01

865 sequences assigned
858 (99.2%) exact matches, in which:
840 unique CDR3
13 unique J



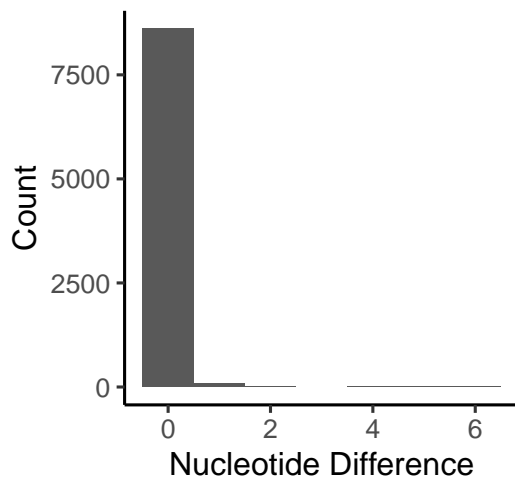
TRBV12-1*ap01

190 sequences assigned
188 (98.9%) exact matches, in which:
188 unique CDR3
13 unique J



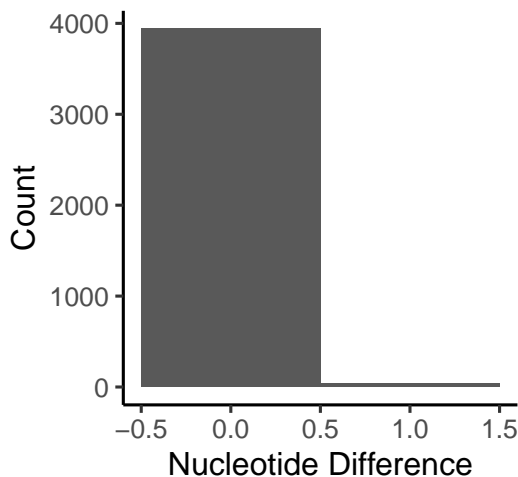
TRBV9*ap01

8696 sequences assigned
8608 (99%) exact matches, in which:
8455 unique CDR3
13 unique J



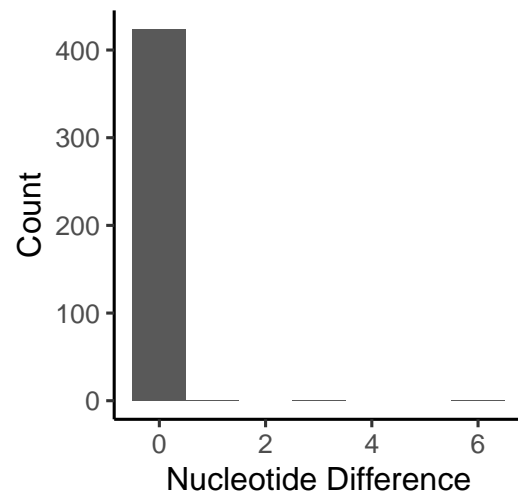
TRBV11-2*ap01

3976 sequences assigned
3941 (99.1%) exact matches, in which:
3867 unique CDR3
13 unique J



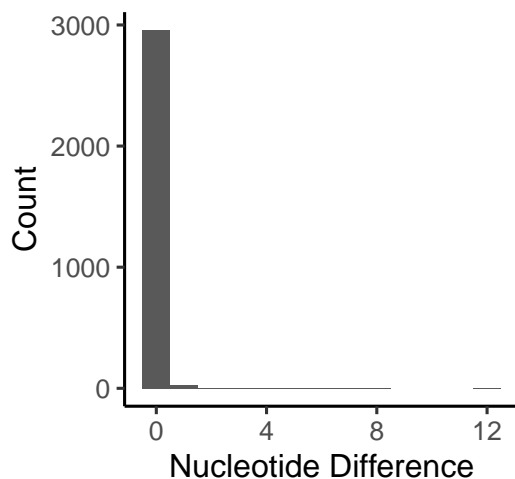
TRBV12-2*ap01

427 sequences assigned
424 (99.3%) exact matches, in which:
412 unique CDR3
13 unique J



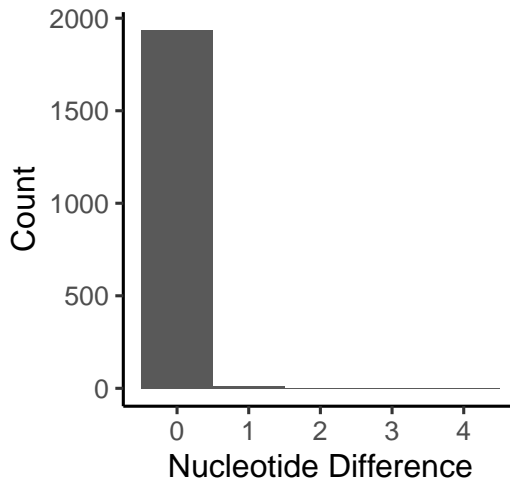
TRBV21-1*ap01

3002 sequences assigned
2958 (98.5%) exact matches, in which:
2927 unique CDR3
13 unique J



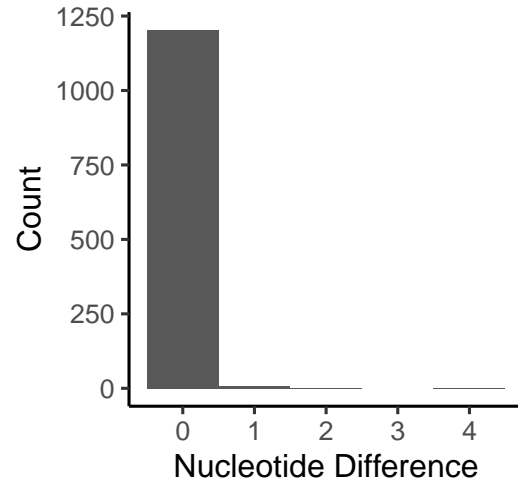
TRBV11-3*ap01

1951 sequences assigned
1936 (99.2%) exact matches, in which:
1909 unique CDR3
13 unique J



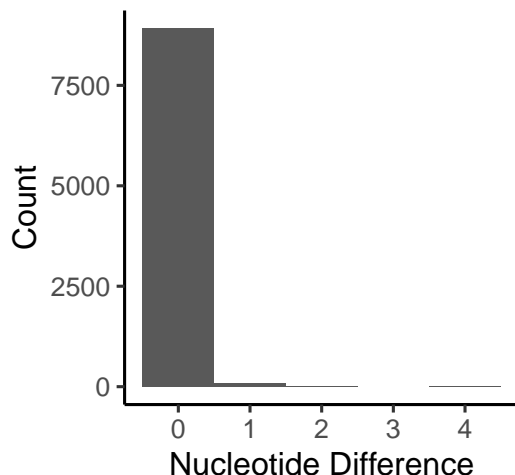
TRBV12-5*ap01

1212 sequences assigned
1203 (99.3%) exact matches, in which:
1182 unique CDR3
13 unique J



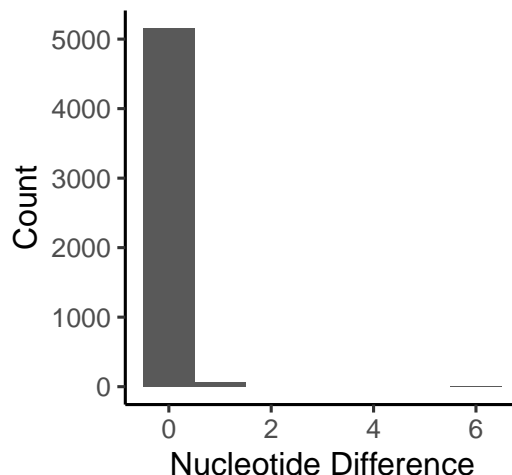
TRBV12-34*ap01

9016 sequences assigned
8918 (98.9%) exact matches, in which:
8718 unique CDR3
13 unique J



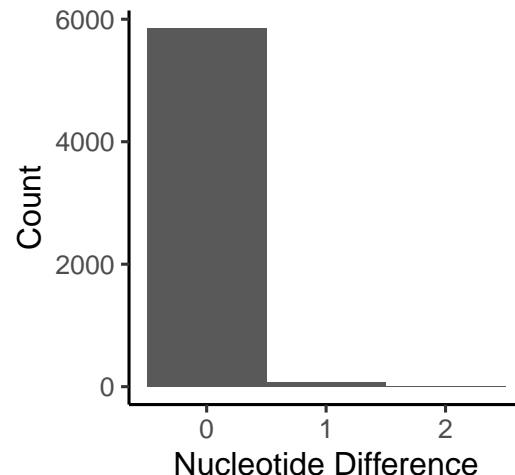
TRBV4-1*ap01

5219 sequences assigned
5154 (98.8%) exact matches, in which:
4959 unique CDR3
13 unique J



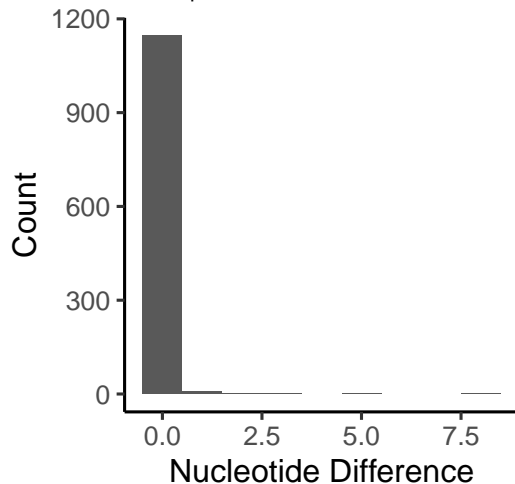
TRBV4-3*ap01

5929 sequences assigned
5850 (98.7%) exact matches, in which:
5692 unique CDR3
13 unique J



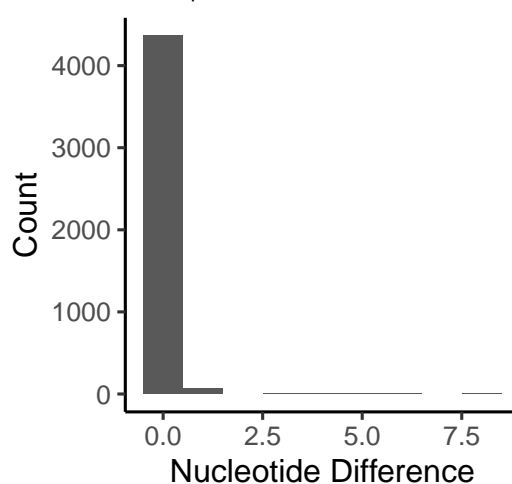
TRBV23-1*ap01

1160 sequences assigned
1146 (98.8%) exact matches, in which:
1125 unique CDR3
13 unique J



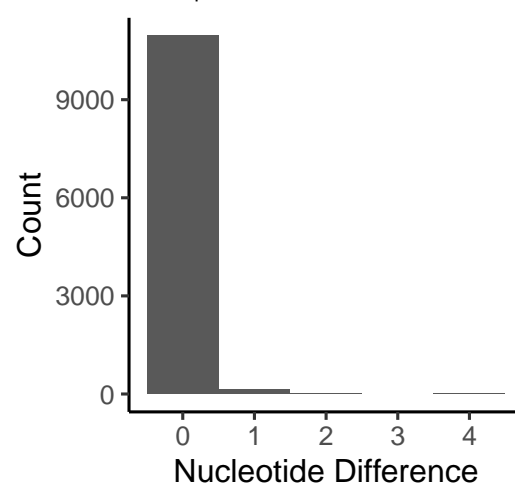
TRBV24-1*ap01

4438 sequences assigned
4364 (98.3%) exact matches, in which:
4257 unique CDR3
13 unique J



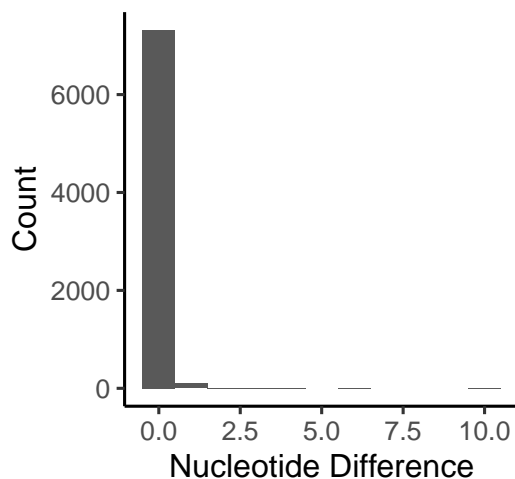
TRBV5-1*ap01

11095 sequences assigned
10955 (98.7%) exact matches, in which:
10577 unique CDR3
13 unique J



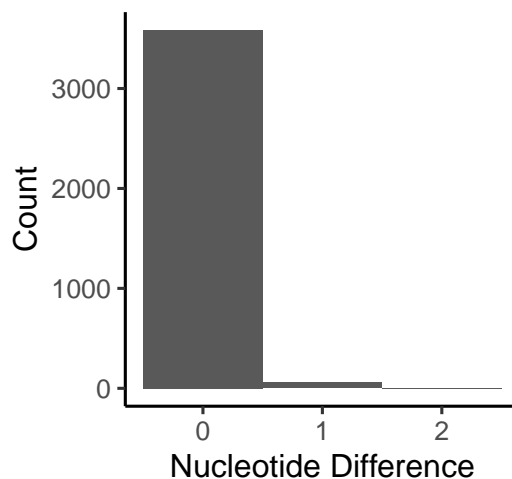
TRBV3-12*ap01

7430 sequences assigned
7318 (98.5%) exact matches, in which:
7132 unique CDR3
13 unique J



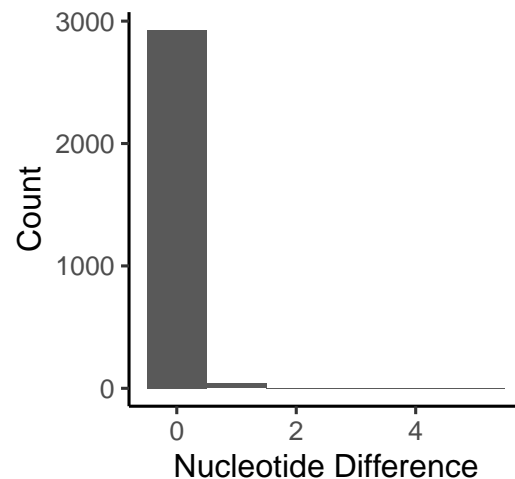
TRBV4-2*ap01

3643 sequences assigned
3585 (98.4%) exact matches, in which:
3481 unique CDR3
13 unique J



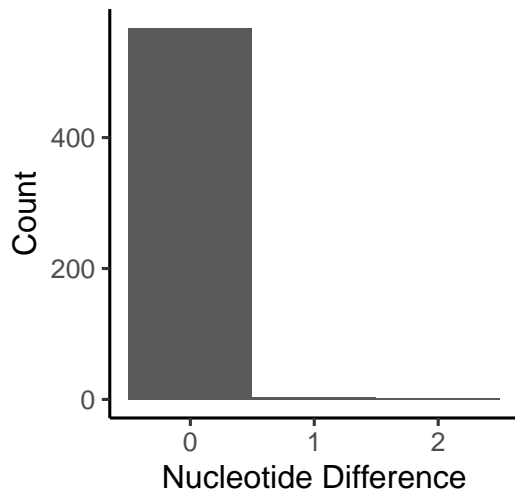
TRBV25-1*ap01

2972 sequences assigned
2927 (98.5%) exact matches, in which:
2831 unique CDR3
13 unique J



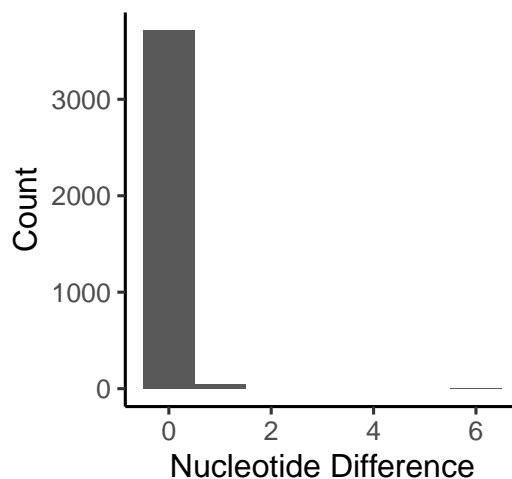
TRBV5-3*ap01

574 sequences assigned
568 (99%) exact matches, in which:
558 unique CDR3
13 unique J



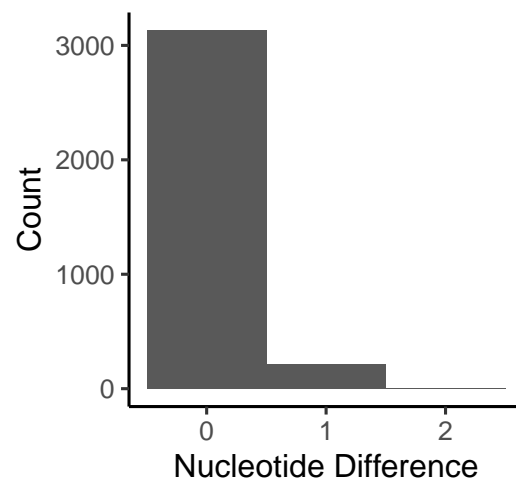
TRBV5-6*ap01

3759 sequences assigned
3714 (98.8%) exact matches, in which:
3584 unique CDR3
13 unique J



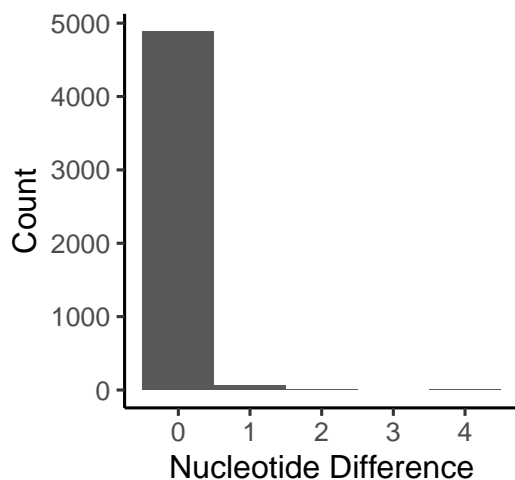
TRBV6-1*ap01

3349 sequences assigned
3131 (93.5%) exact matches, in which:
3062 unique CDR3
13 unique J



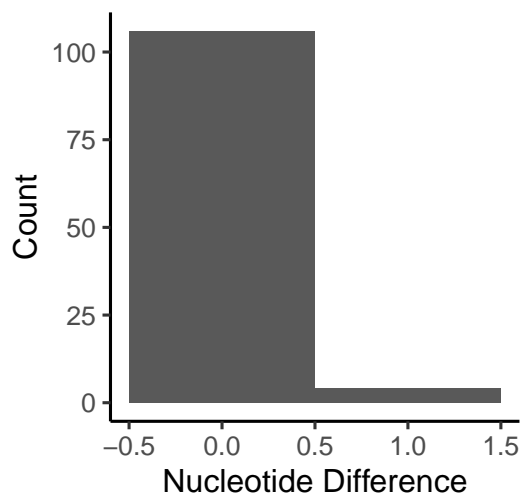
TRBV5-4*ap01

4951 sequences assigned
4883 (98.6%) exact matches, in which:
4733 unique CDR3
13 unique J



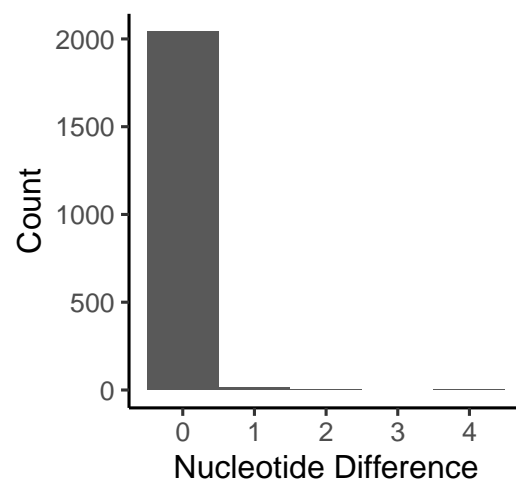
TRBV5-7*ap01

110 sequences assigned
106 (96.4%) exact matches, in which:
103 unique CDR3
12 unique J



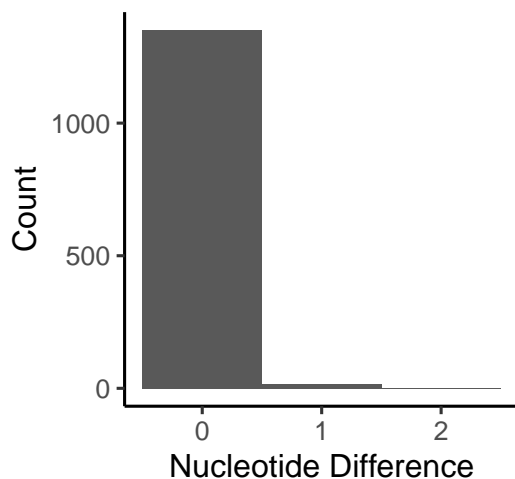
TRBV6-4*ap01

2061 sequences assigned
2041 (99%) exact matches, in which:
2002 unique CDR3
13 unique J



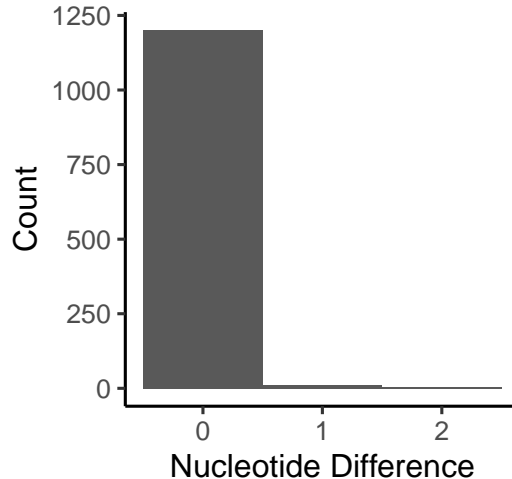
TRBV5-5*ap01

1368 sequences assigned
1351 (98.8%) exact matches, in which:
1340 unique CDR3
13 unique J



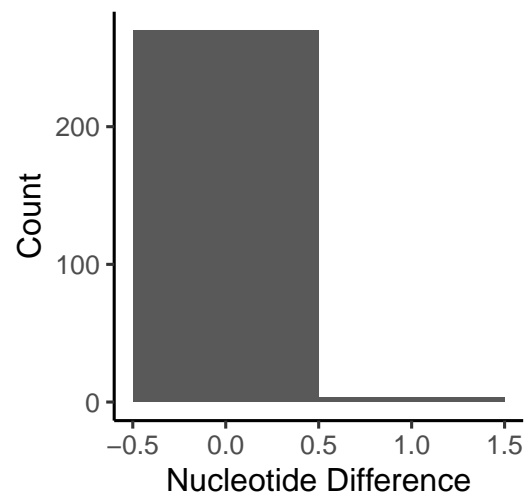
TRBV5-8*ap01

1217 sequences assigned
1201 (98.7%) exact matches, in which:
1182 unique CDR3
13 unique J



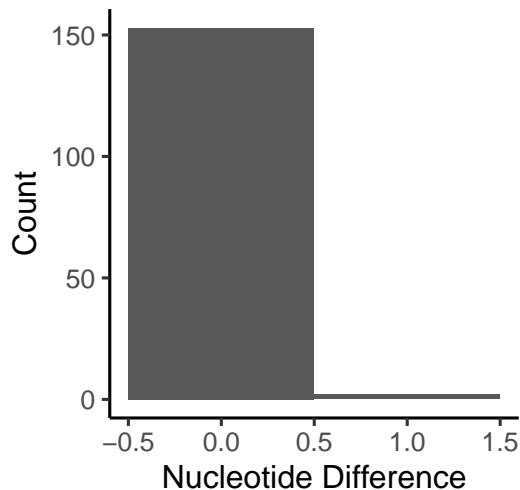
TRBV6-7*ap01

273 sequences assigned
270 (98.9%) exact matches, in which:
264 unique CDR3
13 unique J



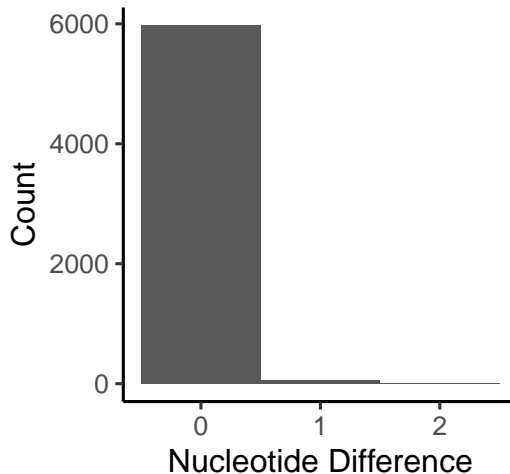
TRBV6-8*ap01

155 sequences assigned
153 (98.7%) exact matches, in which:
143 unique CDR3
12 unique J



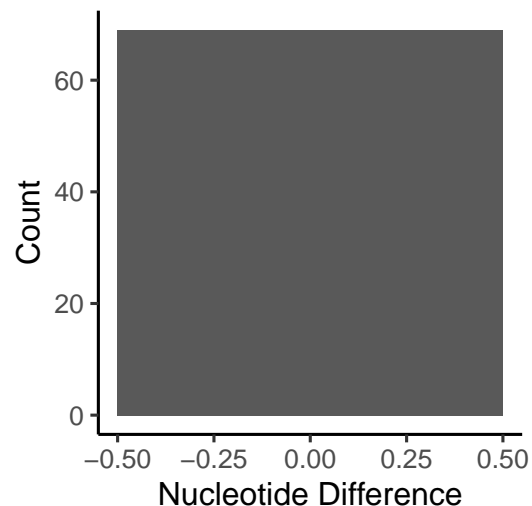
TRBV6-56*ap01

6036 sequences assigned
5974 (99%) exact matches, in which:
5807 unique CDR3
13 unique J



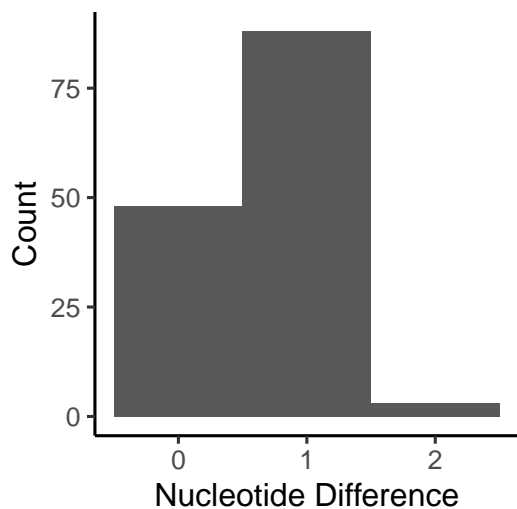
TRBV7-1*ap01_G291C_T

69 sequences assigned
69 (100%) exact matches, in which:
68 unique CDR3
11 unique J



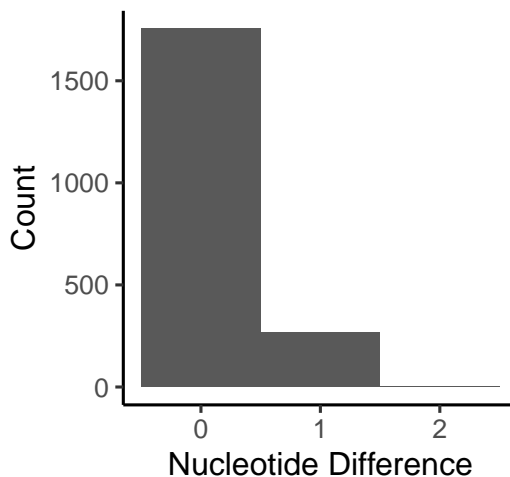
TRBV6-9*ap01

139 sequences assigned
48 (34.5%) exact matches, in which:
47 unique CDR3
13 unique J



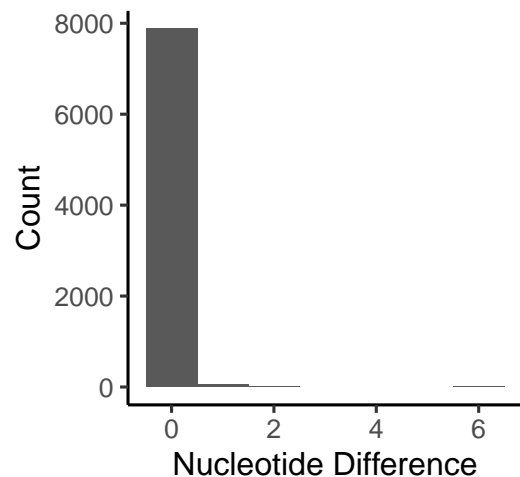
TRBV6-56*ap02

2026 sequences assigned
1755 (86.6%) exact matches, in which:
1701 unique CDR3
13 unique J



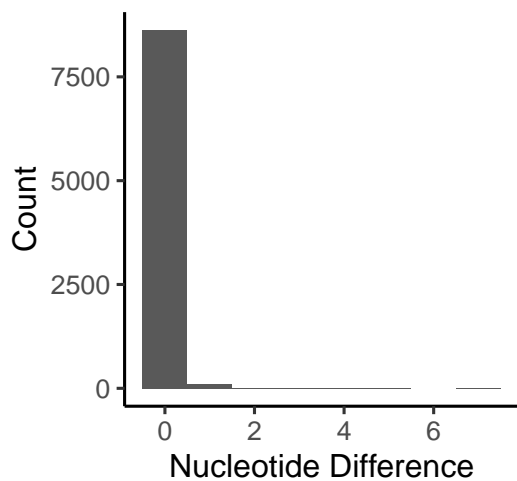
TRBV7-2*ap01

7943 sequences assigned
7880 (99.2%) exact matches, in which:
7714 unique CDR3
13 unique J



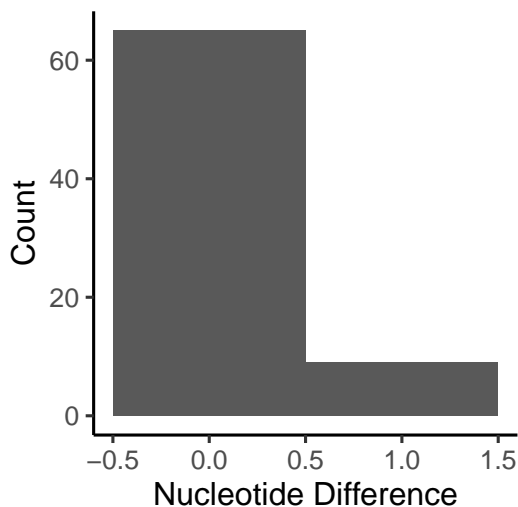
TRBV6-23*ap01

8747 sequences assigned
8627 (98.6%) exact matches, in which:
8308 unique CDR3
13 unique J



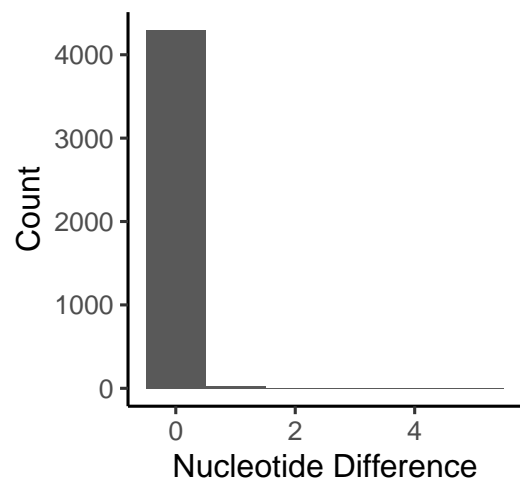
TRBV7-1*ap01_G291C_T

74 sequences assigned
65 (87.8%) exact matches, in which:
65 unique CDR3
12 unique J



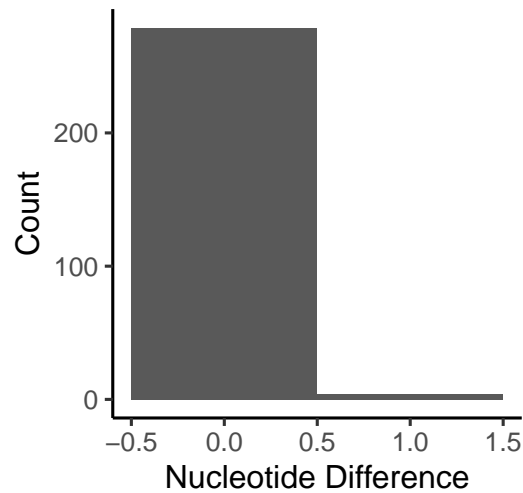
TRBV7-3*ap01

4330 sequences assigned
4296 (99.2%) exact matches, in which:
4230 unique CDR3
13 unique J



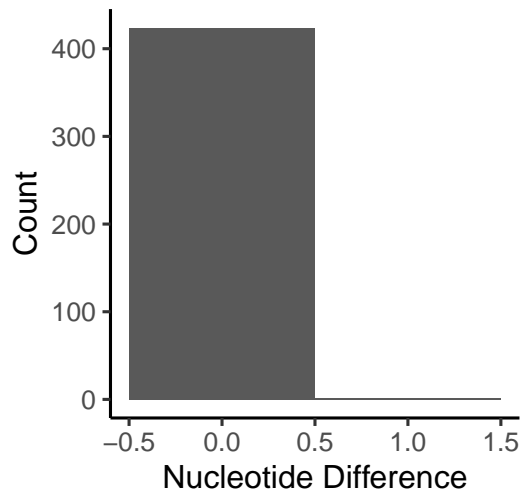
TRBV7-4*ap01

283 sequences assigned
279 (98.6%) exact matches, in which:
271 unique CDR3
13 unique J



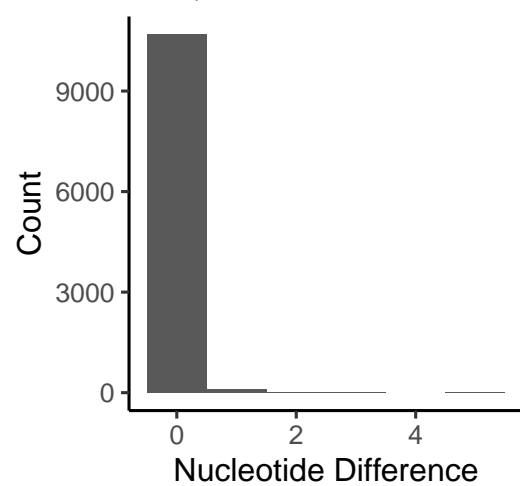
TRBV7-7*ap01_C315T

426 sequences assigned
424 (99.5%) exact matches, in which:
414 unique CDR3
13 unique J



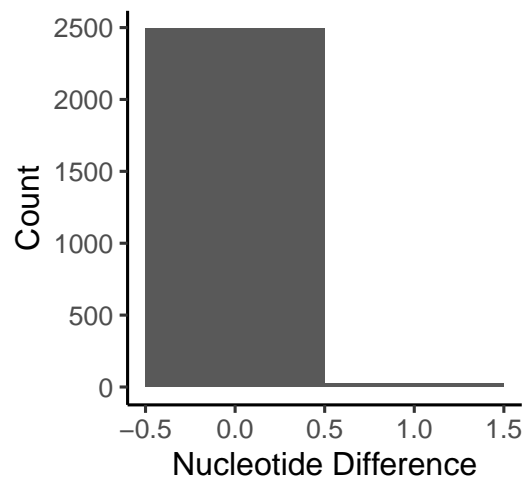
TRBV7-9*ap01

10797 sequences assigned
10690 (99%) exact matches, in which:
10514 unique CDR3
13 unique J



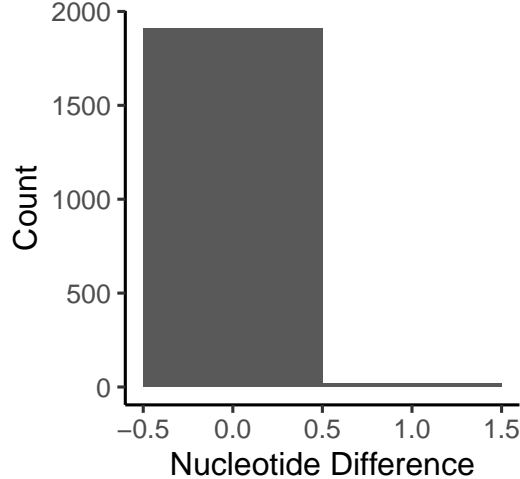
TRBV7-6*ap01

2515 sequences assigned
2492 (99.1%) exact matches, in which:
2435 unique CDR3
13 unique J



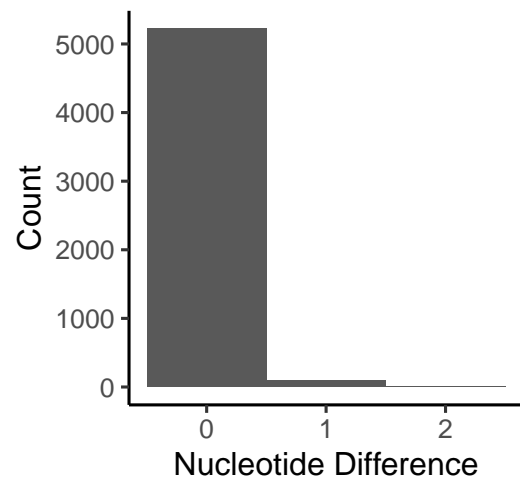
TRBV7-8*ap01

1927 sequences assigned
1908 (99%) exact matches, in which:
1854 unique CDR3
13 unique J



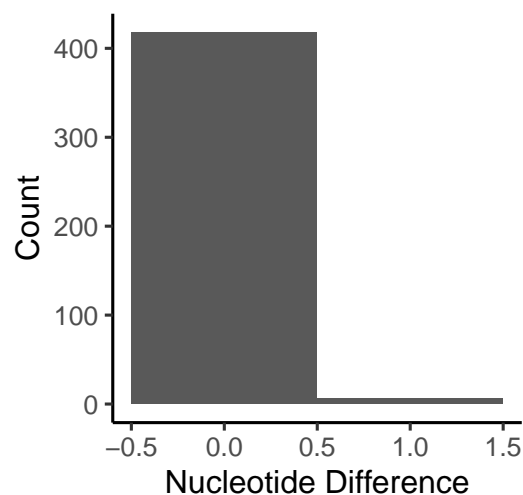
TRBV29-1*ap01

5315 sequences assigned
5222 (98.3%) exact matches, in which:
5035 unique CDR3
13 unique J



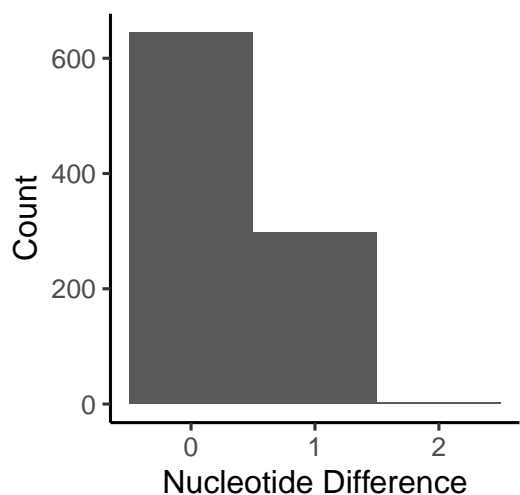
TRBV7-7*ap01

424 sequences assigned
418 (98.6%) exact matches, in which:
409 unique CDR3
12 unique J



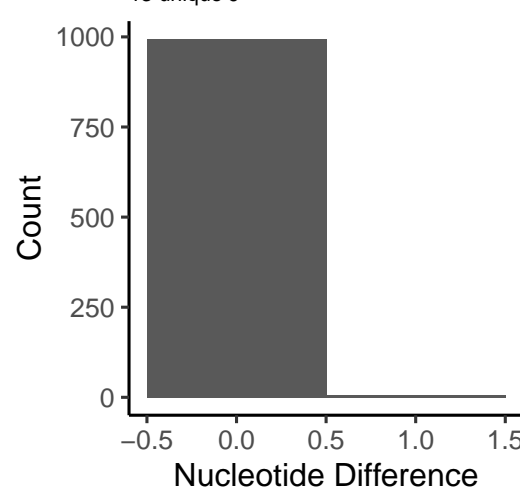
TRBV7-8*ap03

944 sequences assigned
645 (68.3%) exact matches, in which:
625 unique CDR3
13 unique J

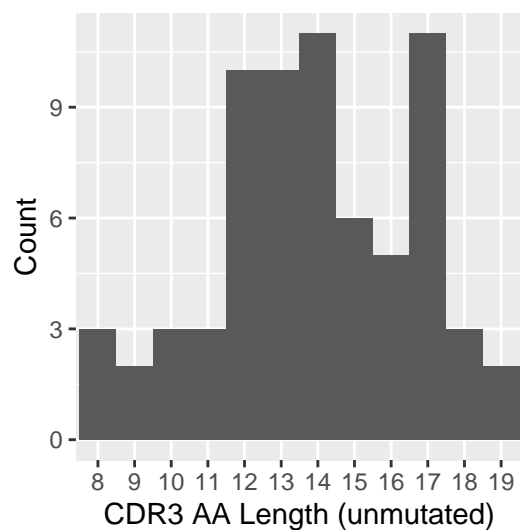


TRBV29-1*ap02

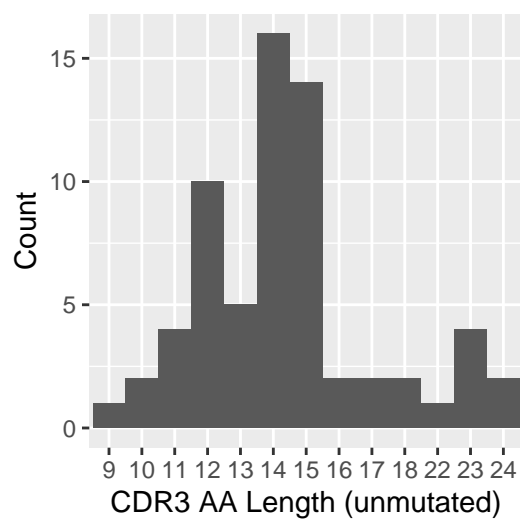
1001 sequences assigned
994 (99.3%) exact matches, in which:
959 unique CDR3
13 unique J



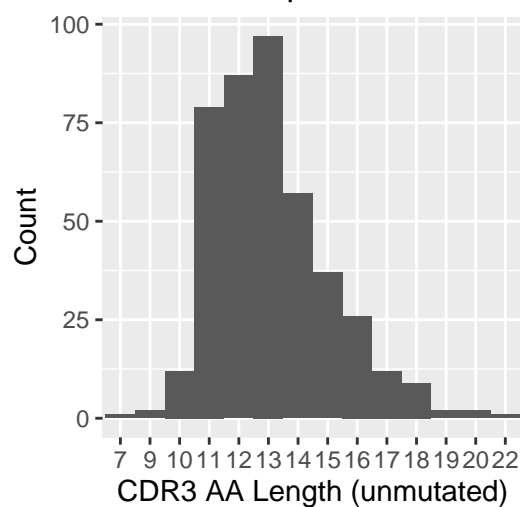
TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]