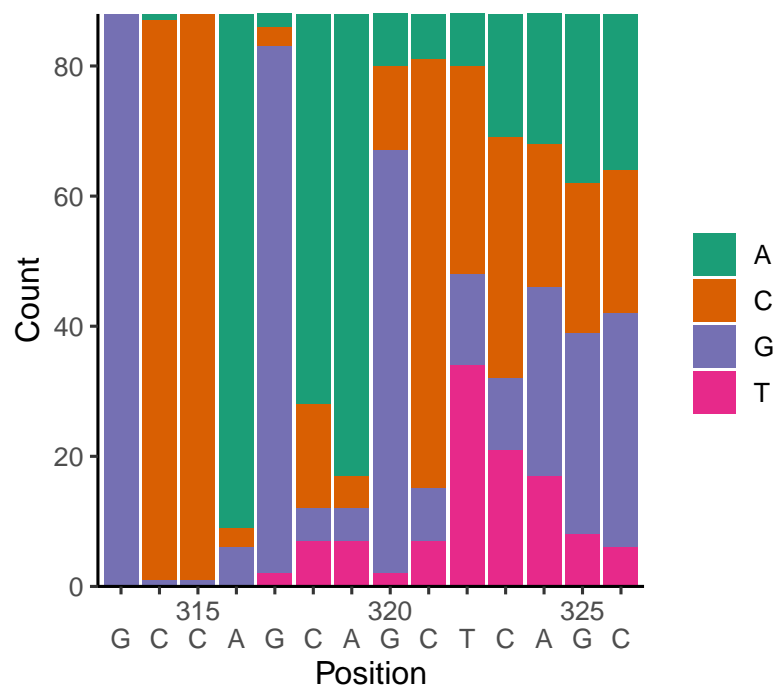
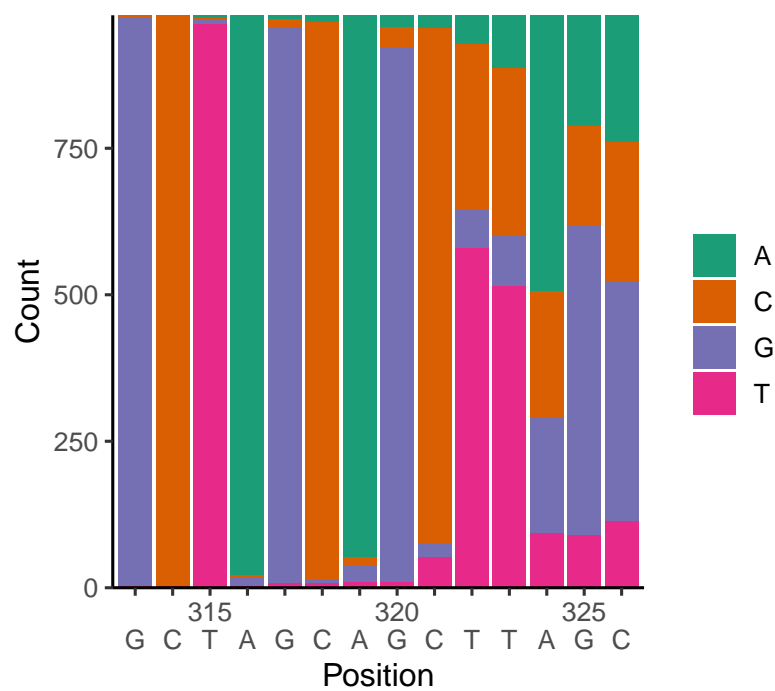


Gene TRBV7-1*ap01_T296C



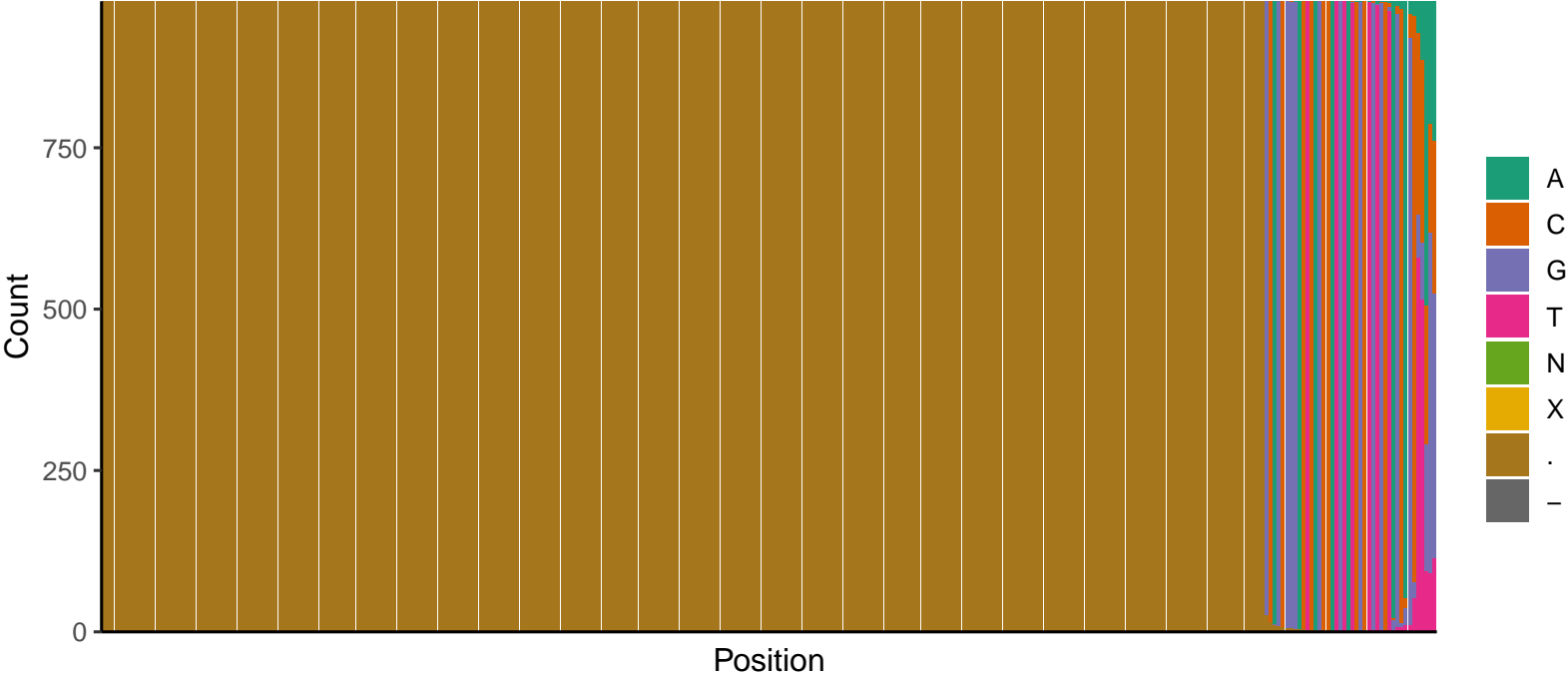
Gene TRBV7-7*ap01_C315T



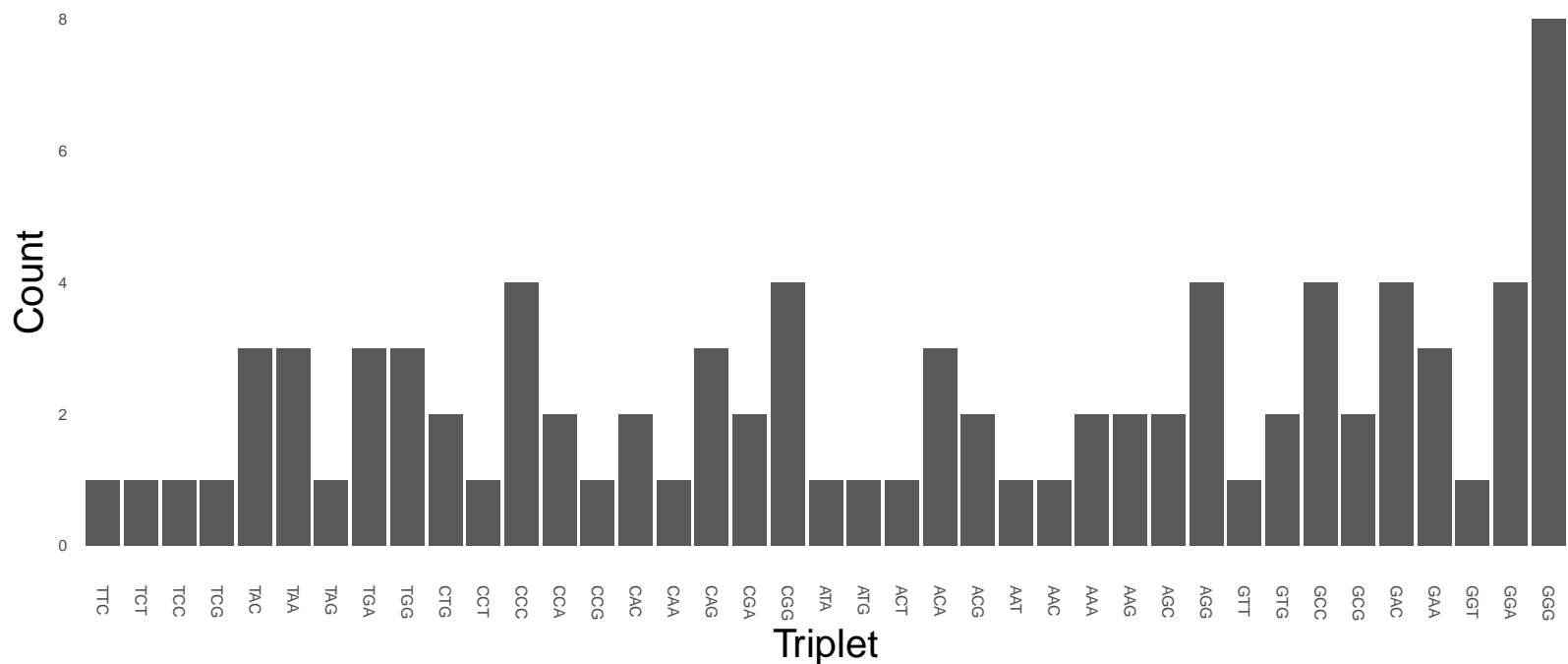
Gene TRBV7-1*ap01_T296C



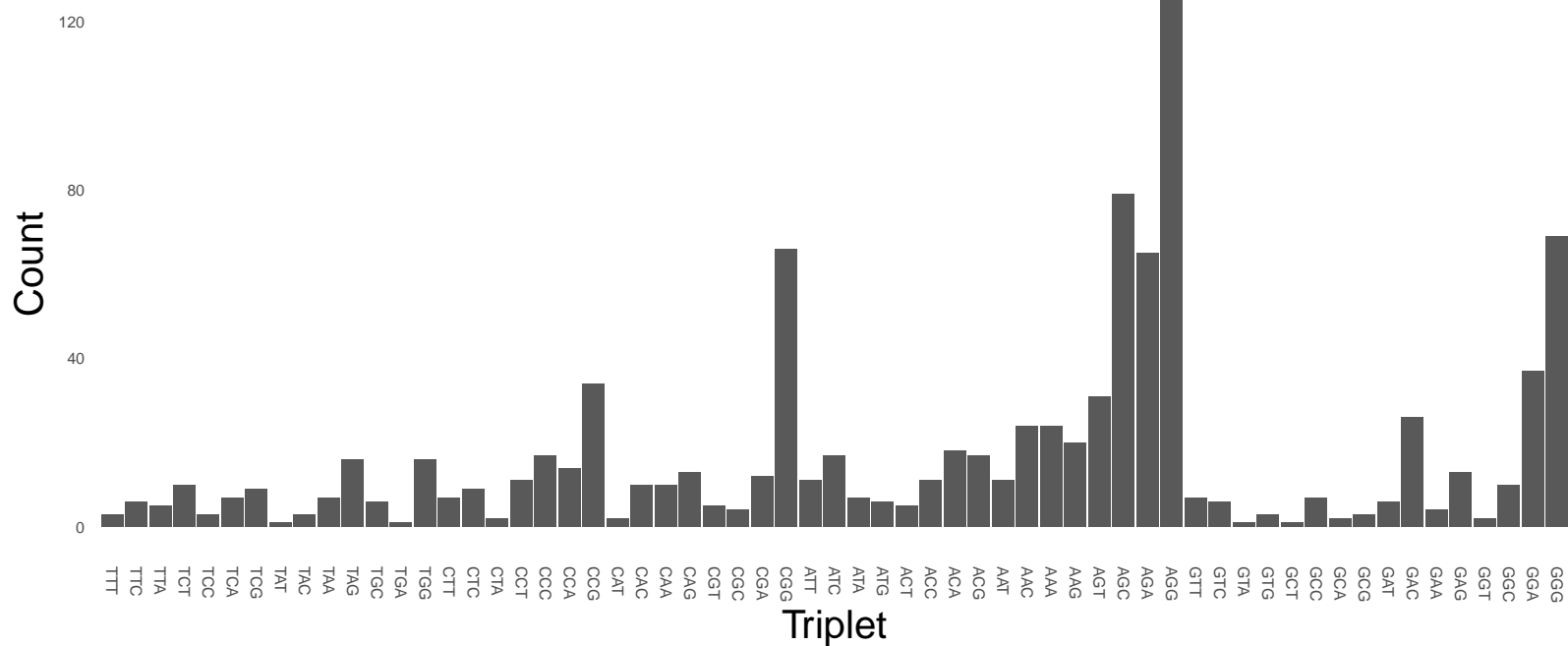
Gene TRBV7-7*ap01_C315T



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

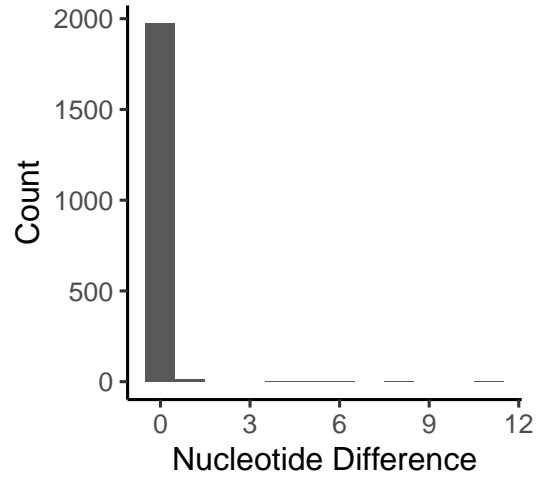


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



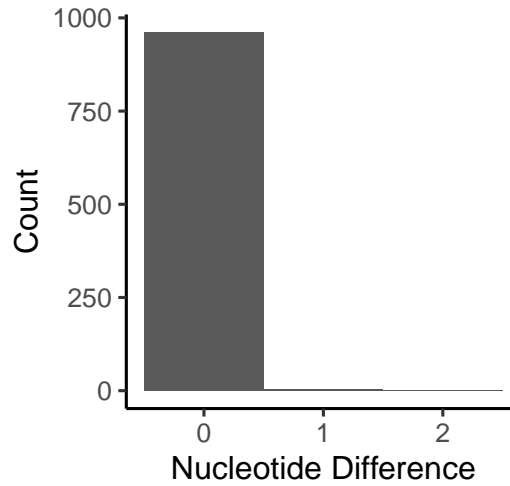
TRBV10-1*ap01

1992 sequences assigned
1974 (99.1%) exact matches, in which:
1964 unique CDR3
13 unique J



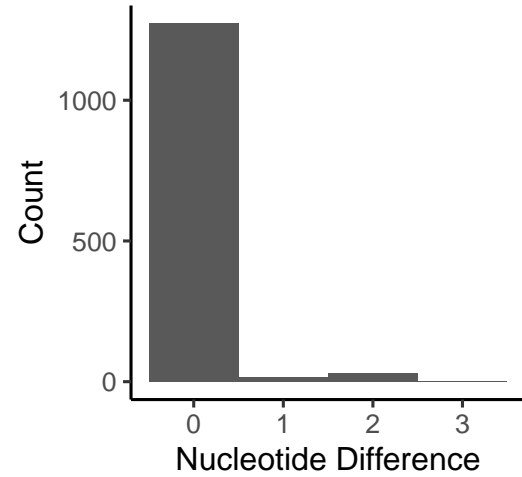
TRBV10-2*ap01

967 sequences assigned
961 (99.4%) exact matches, in which:
956 unique CDR3
13 unique J



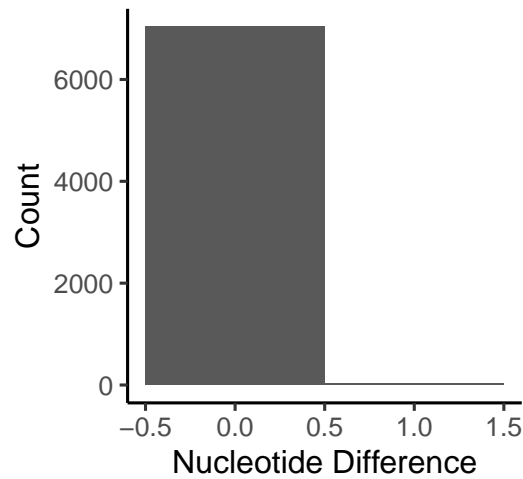
TRBV13*ap01

1323 sequences assigned
1273 (96.2%) exact matches, in which:
1252 unique CDR3
13 unique J



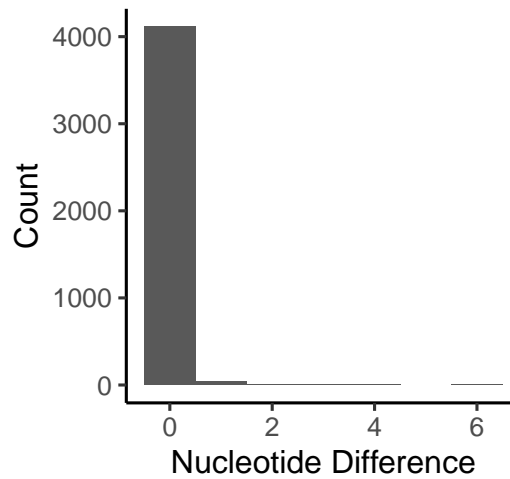
TRBV20-1*ap01

7073 sequences assigned
7036 (99.5%) exact matches, in which:
7012 unique CDR3
13 unique J



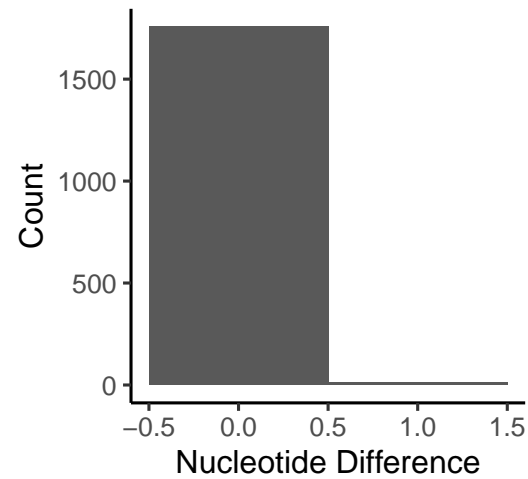
TRBV10-3*ap01

4155 sequences assigned
4114 (99%) exact matches, in which:
4095 unique CDR3
13 unique J



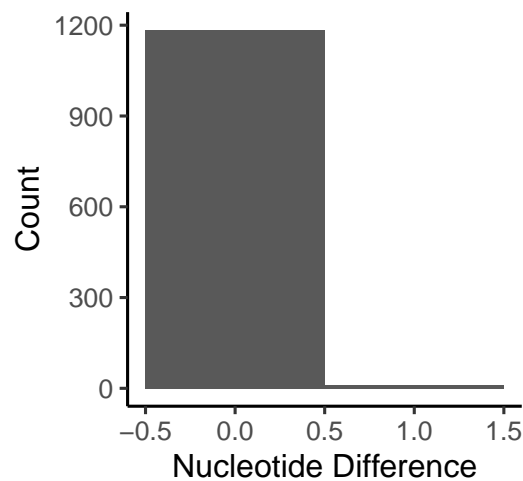
TRBV14*ap01

1767 sequences assigned
1757 (99.4%) exact matches, in which:
1755 unique CDR3
13 unique J



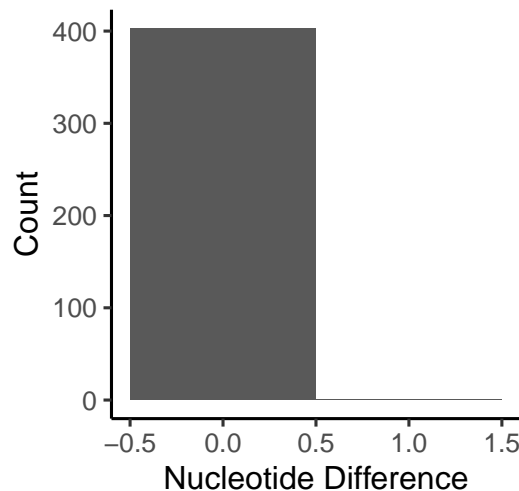
TRBV20-1*ap02

1196 sequences assigned
1184 (99%) exact matches, in which:
1180 unique CDR3
13 unique J



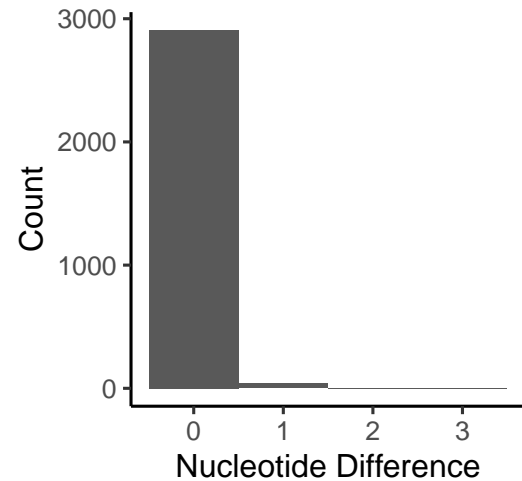
TRBV1*ap01

404 sequences assigned
403 (99.8%) exact matches, in which:
397 unique CDR3
13 unique J



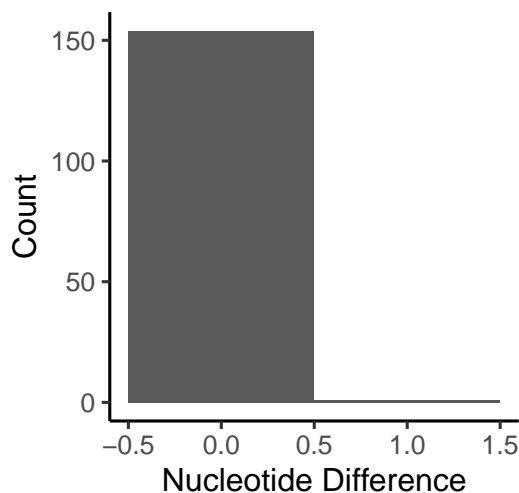
TRBV15*ap02

2950 sequences assigned
2908 (98.6%) exact matches, in which:
2888 unique CDR3
13 unique J



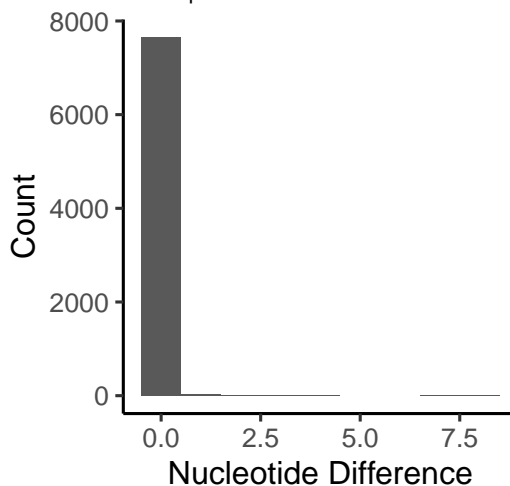
TRBV16*ap01

155 sequences assigned
154 (99.4%) exact matches, in which:
154 unique CDR3
12 unique J



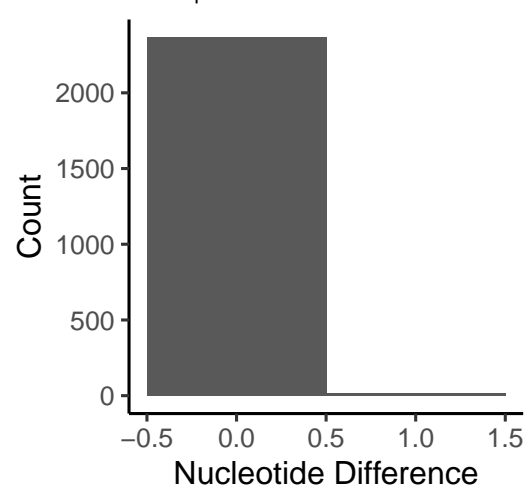
TRBV19*ap01

7696 sequences assigned
7649 (99.4%) exact matches, in which:
7626 unique CDR3
13 unique J



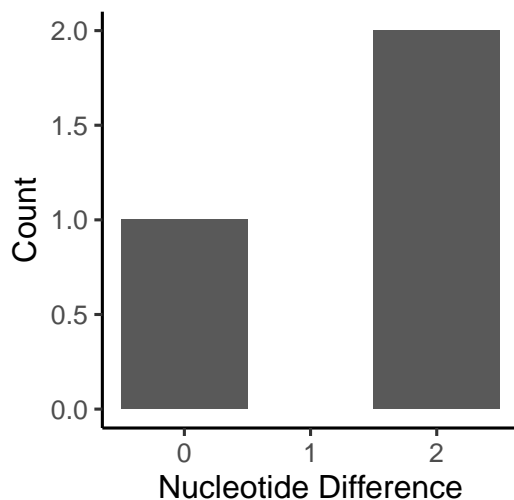
TRBV28*ap01

2381 sequences assigned
2366 (99.4%) exact matches, in which:
2358 unique CDR3
13 unique J



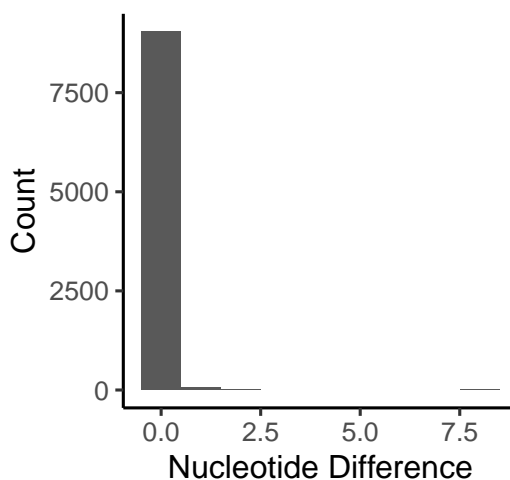
TRBV17*ap01

3 sequences assigned
1 (33.3%) exact matches, in which:
1 unique CDR3
1 unique J



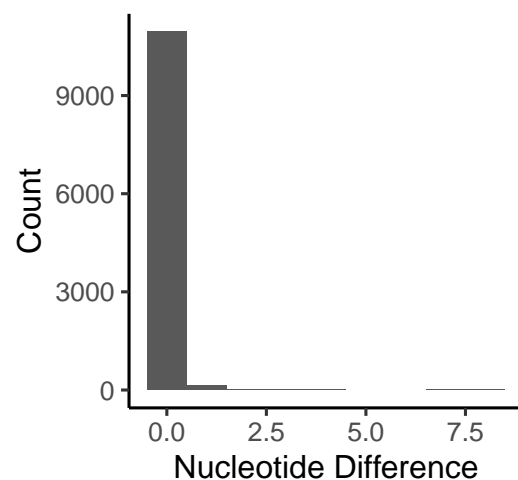
TRBV2*ap01

9108 sequences assigned
9037 (99.2%) exact matches, in which:
8996 unique CDR3
13 unique J



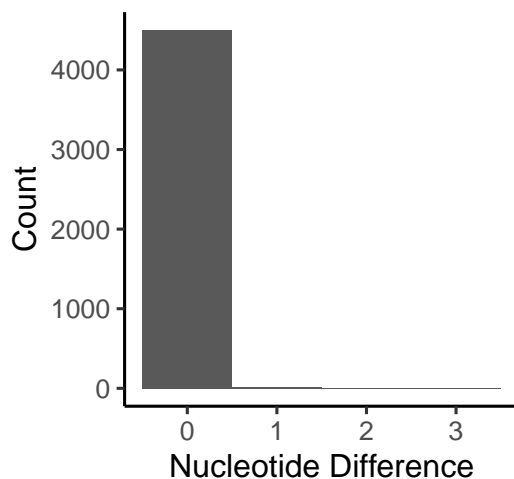
TRBV30*ap01

11111 sequences assigned
10951 (98.6%) exact matches, in which:
10845 unique CDR3
13 unique J



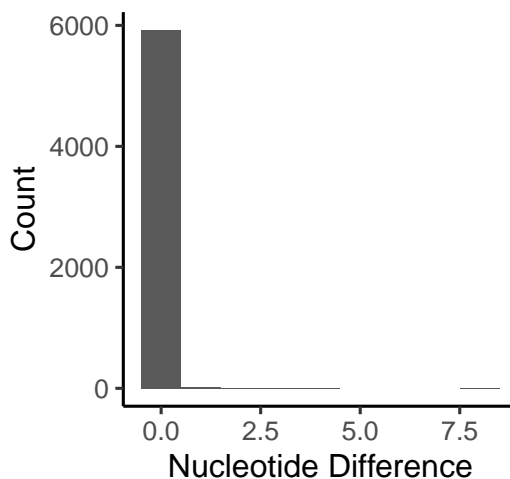
TRBV18*ap01

4518 sequences assigned
4501 (99.6%) exact matches, in which:
4495 unique CDR3
13 unique J



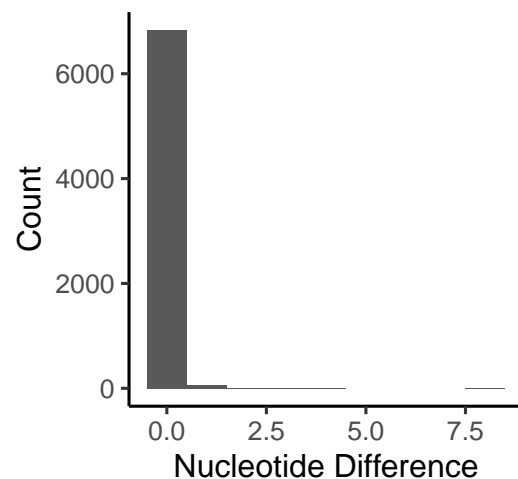
TRBV27*ap01

5957 sequences assigned
5923 (99.4%) exact matches, in which:
5900 unique CDR3
13 unique J



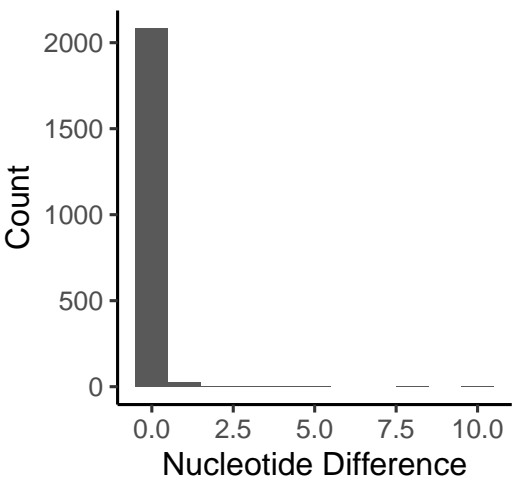
TRBV9*ap01

6900 sequences assigned
6833 (99%) exact matches, in which:
6814 unique CDR3
13 unique J



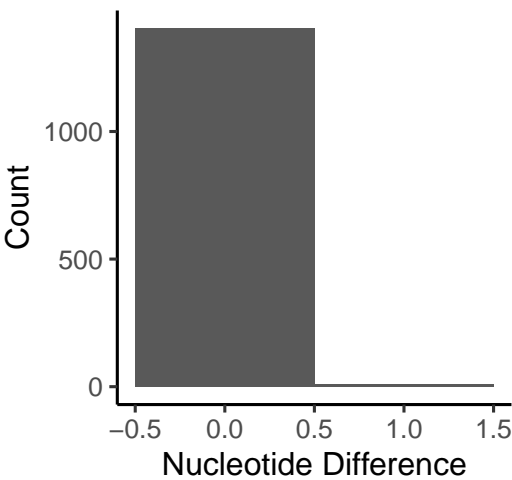
TRBV21-1*ap01

2122 sequences assigned
2083 (98.2%) exact matches, in which:
2076 unique CDR3
13 unique J



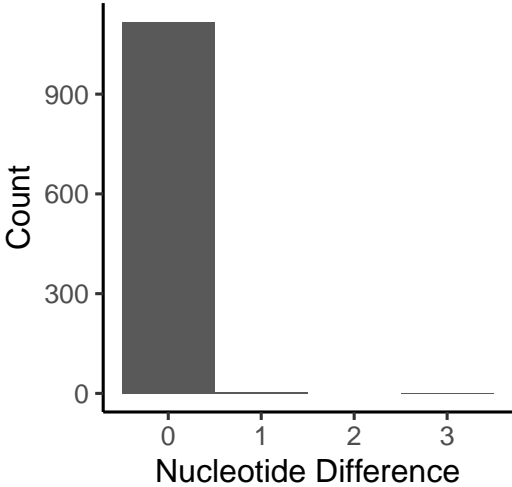
TRBV11-3*ap01

1415 sequences assigned
1404 (99.2%) exact matches, in which:
1399 unique CDR3
13 unique J



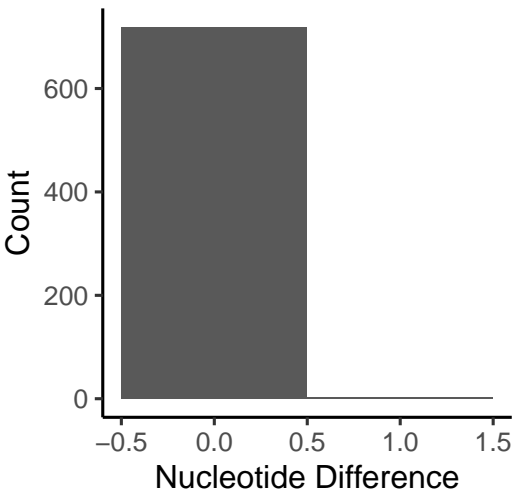
TRBV12-5*ap01

1123 sequences assigned
1118 (99.6%) exact matches, in which:
1116 unique CDR3
13 unique J



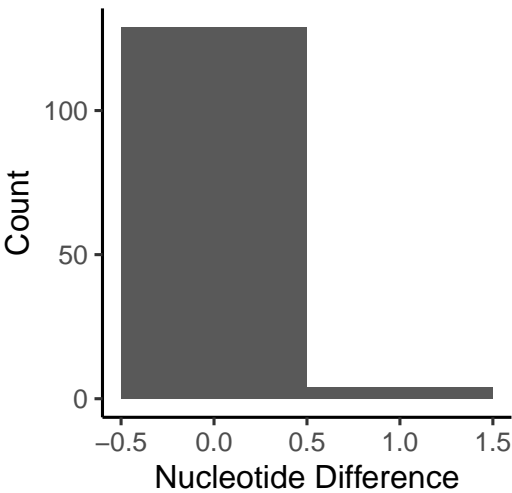
TRBV11-1*ap01

721 sequences assigned
719 (99.7%) exact matches, in which:
718 unique CDR3
13 unique J



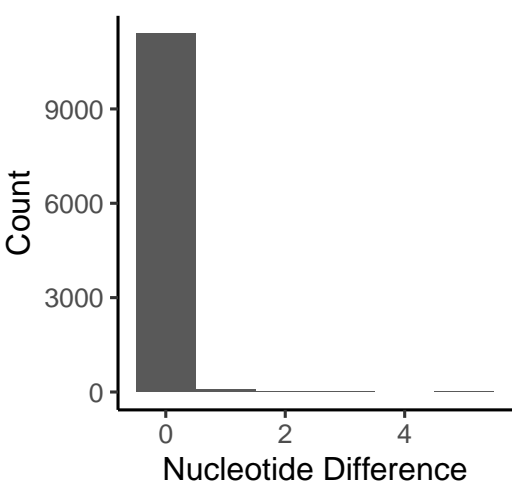
TRBV12-1*ap01

133 sequences assigned
129 (97%) exact matches, in which:
129 unique CDR3
13 unique J



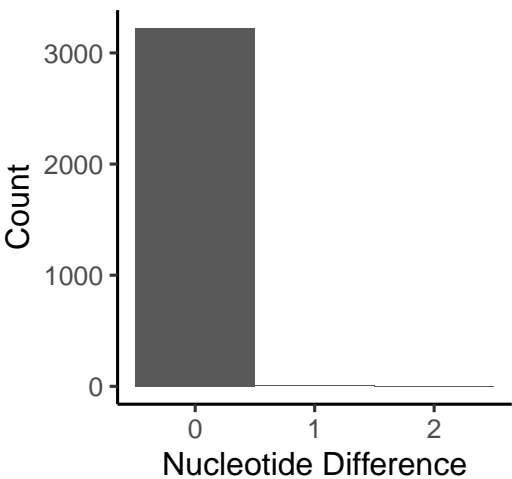
TRBV12-34*ap01

11470 sequences assigned
11391 (99.3%) exact matches, in which:
11330 unique CDR3
13 unique J



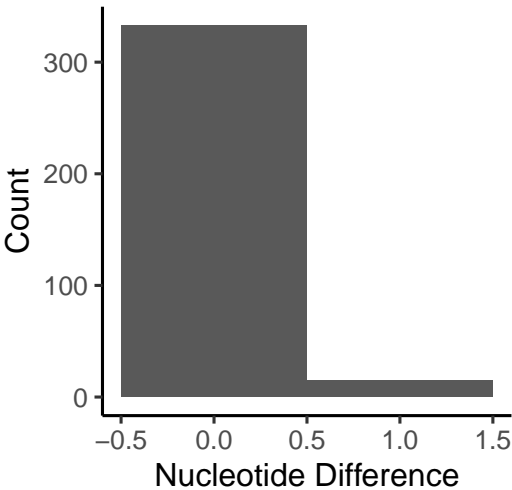
TRBV11-2*ap01

3232 sequences assigned
3224 (99.8%) exact matches, in which:
3205 unique CDR3
13 unique J



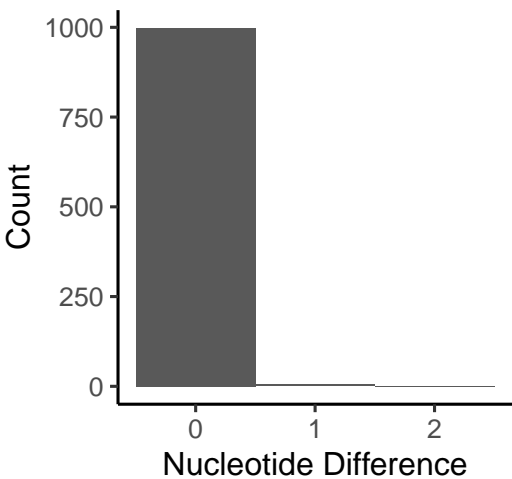
TRBV12-2*ap01

348 sequences assigned
333 (95.7%) exact matches, in which:
331 unique CDR3
13 unique J



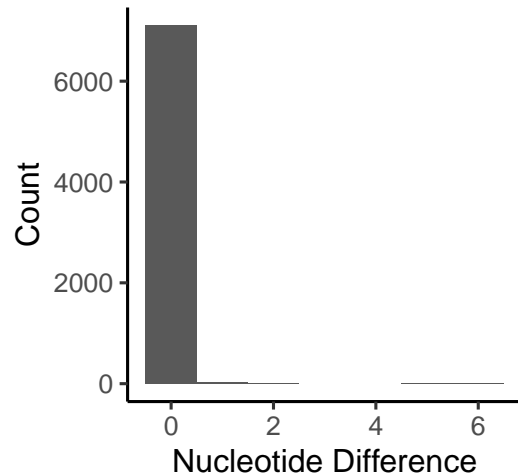
TRBV23-1*ap01

1004 sequences assigned
998 (99.4%) exact matches, in which:
998 unique CDR3
13 unique J



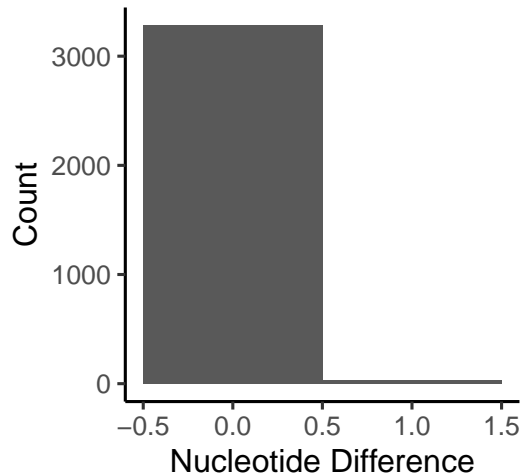
TRBV3-12*ap01

7148 sequences assigned
7106 (99.4%) exact matches, in which:
7087 unique CDR3
13 unique J



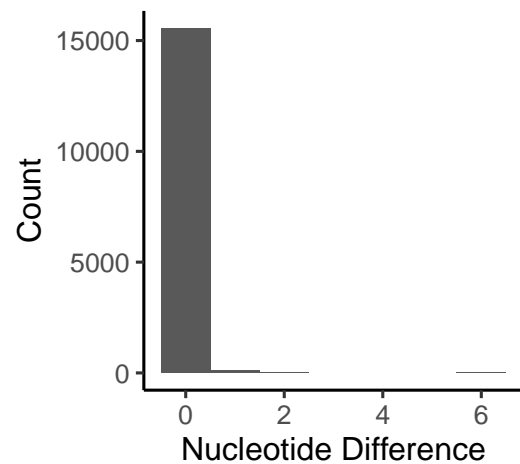
TRBV4-2*ap01

3310 sequences assigned
3282 (99.2%) exact matches, in which:
3267 unique CDR3
13 unique J



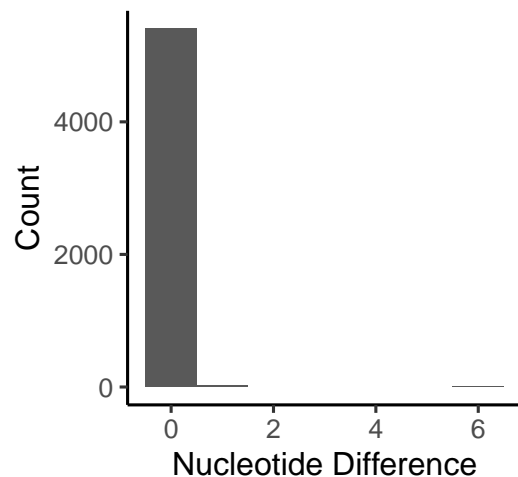
TRBV5-1*ap01

15671 sequences assigned
15560 (99.3%) exact matches, in which:
15464 unique CDR3
13 unique J



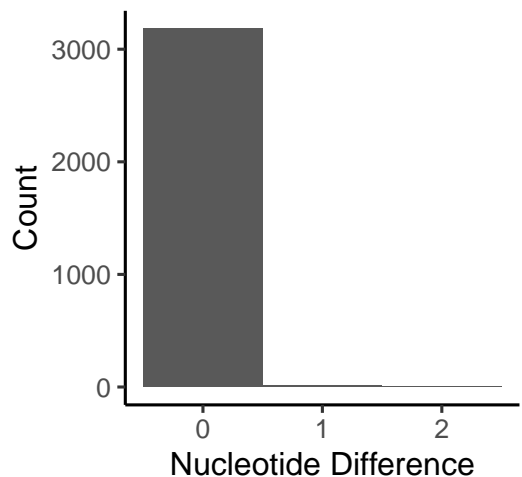
TRBV4-1*ap01

5436 sequences assigned
5405 (99.4%) exact matches, in which:
5379 unique CDR3
13 unique J



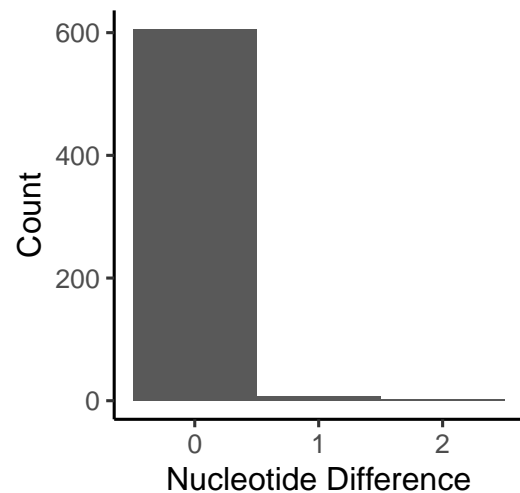
TRBV4-3*ap01

3197 sequences assigned
3182 (99.5%) exact matches, in which:
3175 unique CDR3
13 unique J



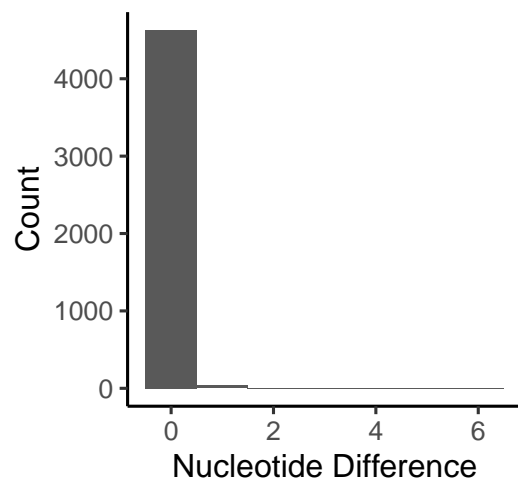
TRBV5-3*ap01

616 sequences assigned
606 (98.4%) exact matches, in which:
604 unique CDR3
13 unique J



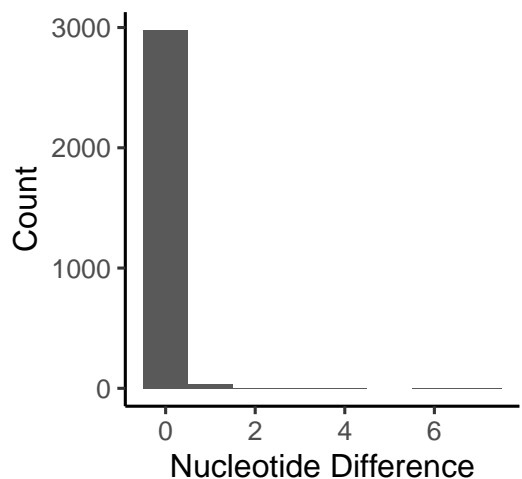
TRBV24-1*ap01

4678 sequences assigned
4629 (99%) exact matches, in which:
4606 unique CDR3
13 unique J



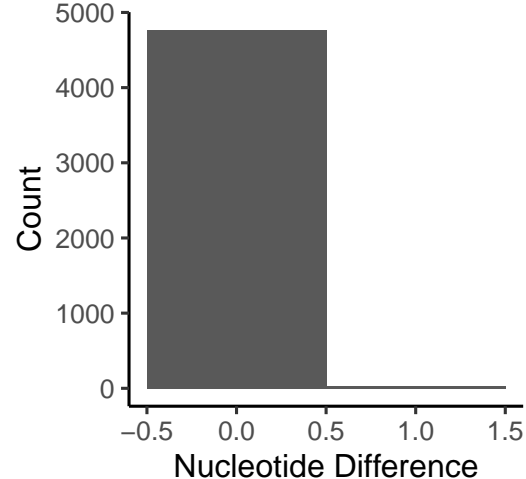
TRBV25-1*ap01

3024 sequences assigned
2979 (98.5%) exact matches, in which:
2951 unique CDR3
13 unique J



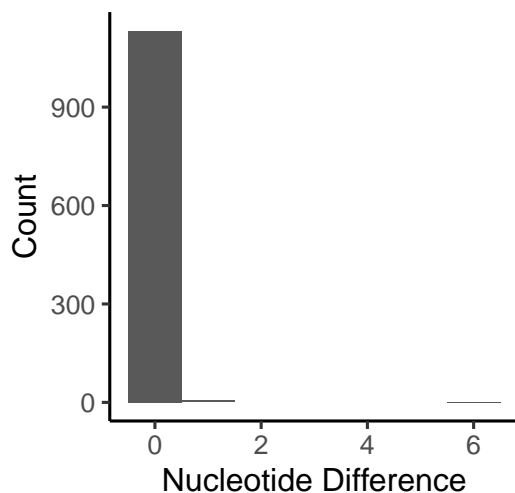
TRBV5-4*ap01

4793 sequences assigned
4766 (99.4%) exact matches, in which:
4748 unique CDR3
13 unique J



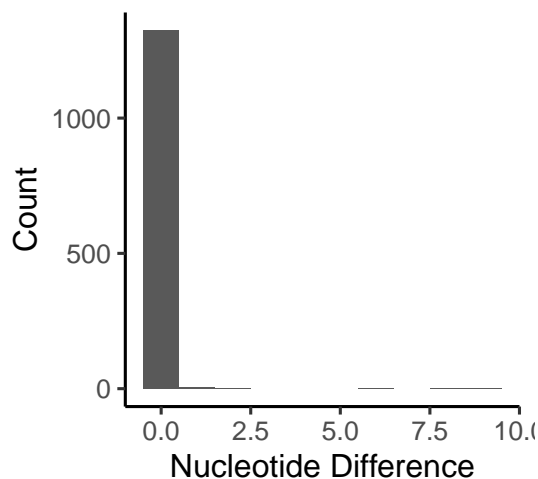
TRBV5-5*ap01

1140 sequences assigned
1133 (99.4%) exact matches, in which:
1132 unique CDR3
13 unique J



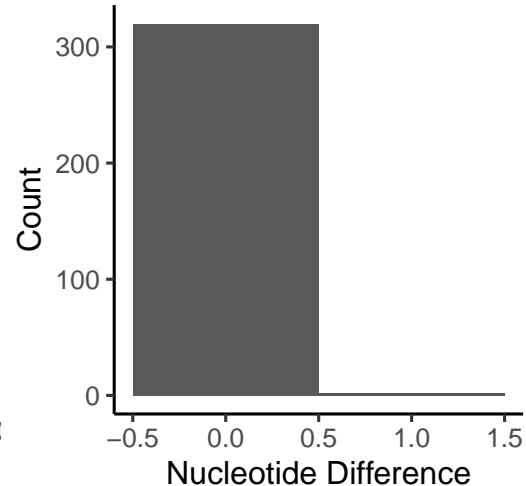
TRBV5-8*ap01

1336 sequences assigned
1324 (99.1%) exact matches, in which:
1320 unique CDR3
13 unique J



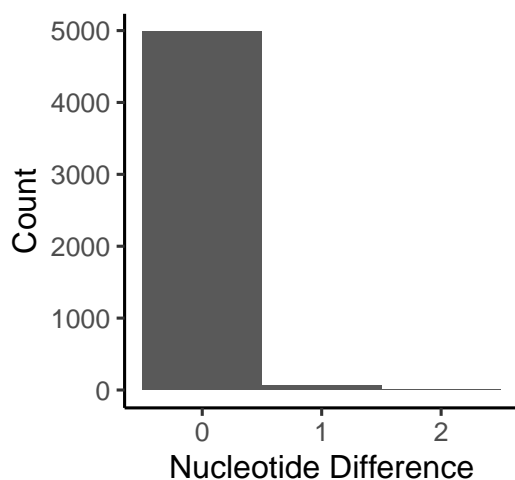
TRBV6-7*ap01

322 sequences assigned
320 (99.4%) exact matches, in which:
318 unique CDR3
13 unique J



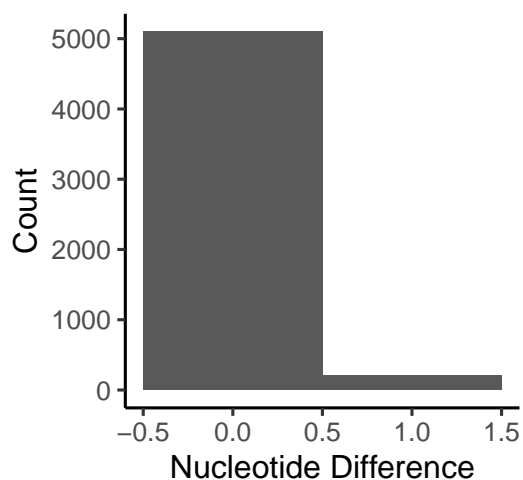
TRBV5-6*ap01

5041 sequences assigned
4984 (98.9%) exact matches, in which:
4942 unique CDR3
13 unique J



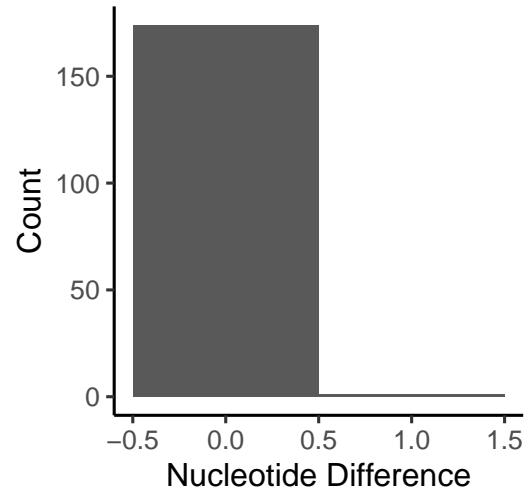
TRBV6-1*ap01

5307 sequences assigned
5099 (96.1%) exact matches, in which:
5060 unique CDR3
13 unique J



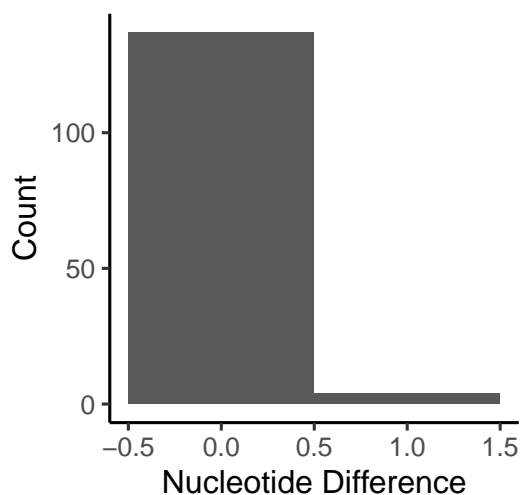
TRBV6-8*ap01

175 sequences assigned
174 (99.4%) exact matches, in which:
173 unique CDR3
13 unique J



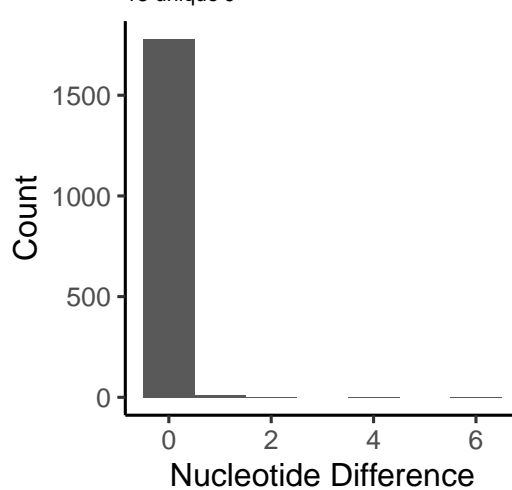
TRBV5-7*ap01

141 sequences assigned
137 (97.2%) exact matches, in which:
134 unique CDR3
13 unique J



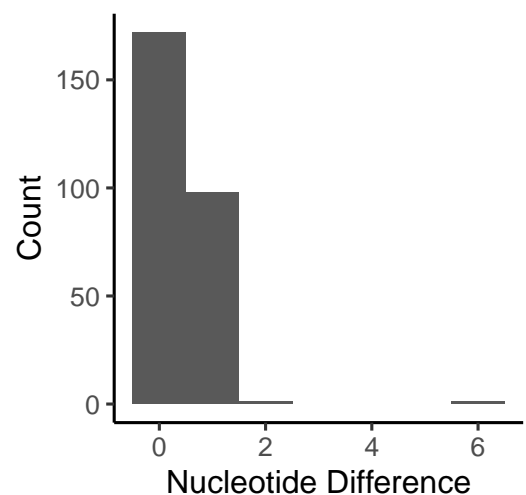
TRBV6-4*ap01

1797 sequences assigned
1779 (99%) exact matches, in which:
1774 unique CDR3
13 unique J



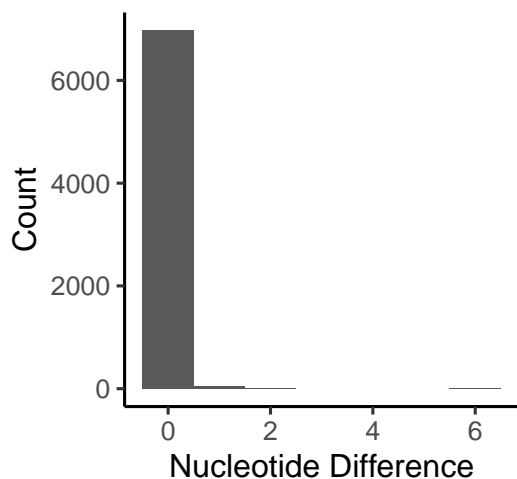
TRBV6-9*ap01

272 sequences assigned
172 (63.2%) exact matches, in which:
170 unique CDR3
13 unique J



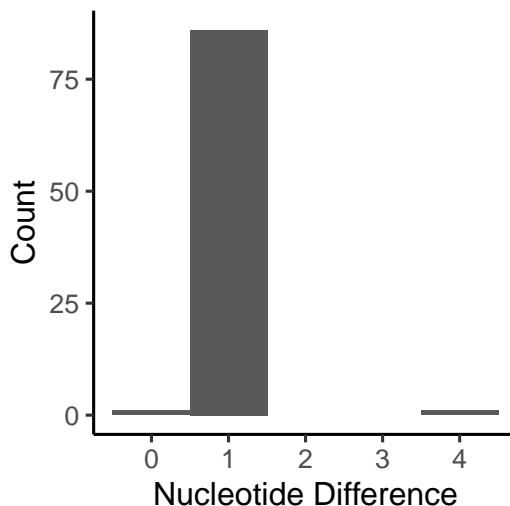
TRBV6-23*ap01

7033 sequences assigned
6973 (99.1%) exact matches, in which:
6908 unique CDR3
13 unique J



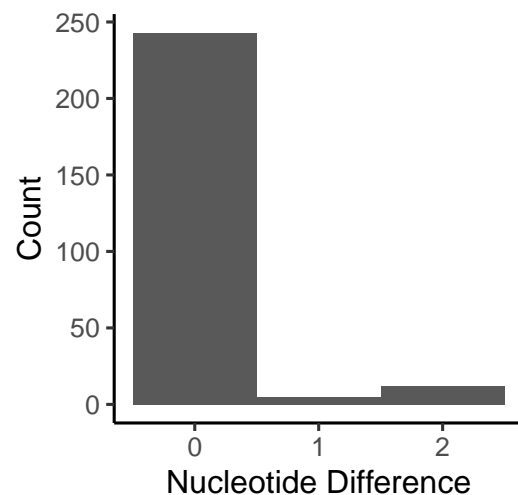
TRBV7-1*ap01_T296C

88 sequences assigned
1 (1.1%) exact matches, in which:
1 unique CDR3
1 unique J



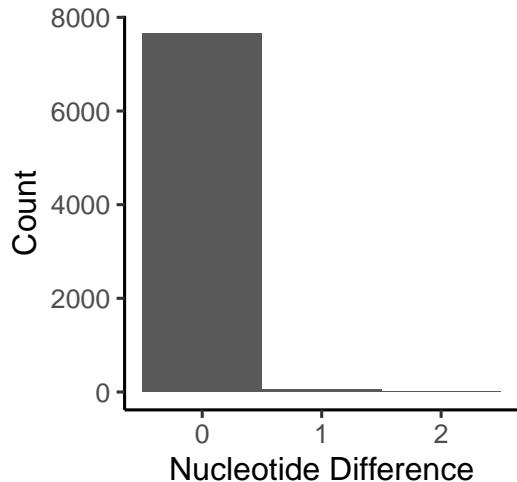
TRBV7-4*ap01

260 sequences assigned
243 (93.5%) exact matches, in which:
242 unique CDR3
13 unique J



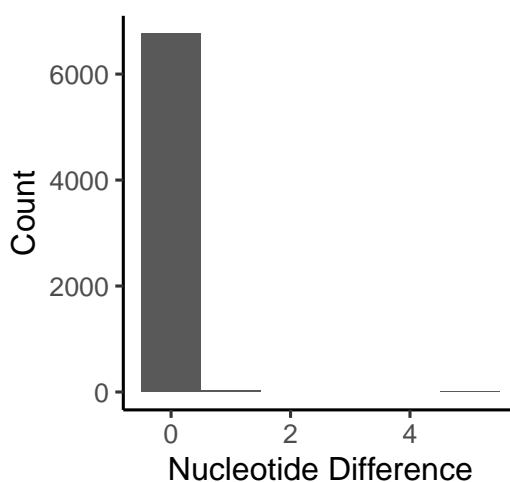
TRBV6-56*ap01

7704 sequences assigned
7650 (99.3%) exact matches, in which:
7577 unique CDR3
13 unique J



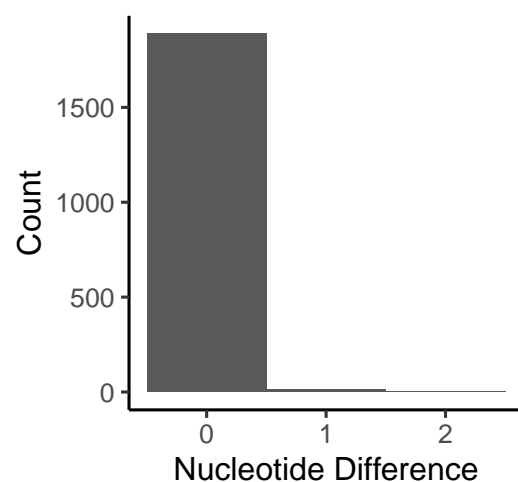
TRBV7-2*ap01

6792 sequences assigned
6762 (99.6%) exact matches, in which:
6745 unique CDR3
13 unique J



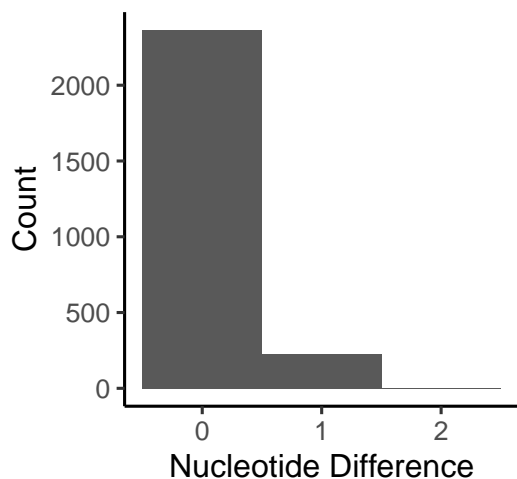
TRBV7-6*ap01

1900 sequences assigned
1888 (99.4%) exact matches, in which:
1880 unique CDR3
13 unique J



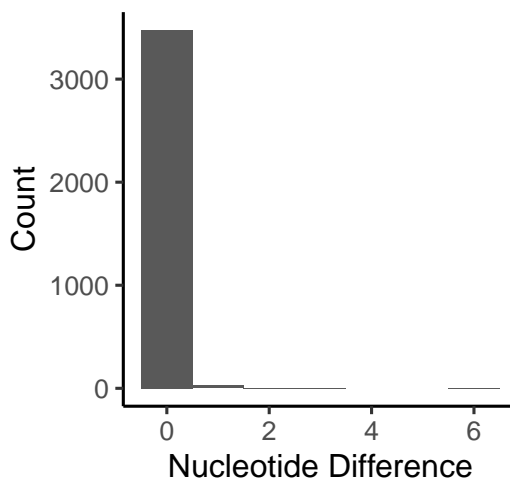
TRBV6-56*ap02

2591 sequences assigned
2364 (91.2%) exact matches, in which:
2345 unique CDR3
13 unique J



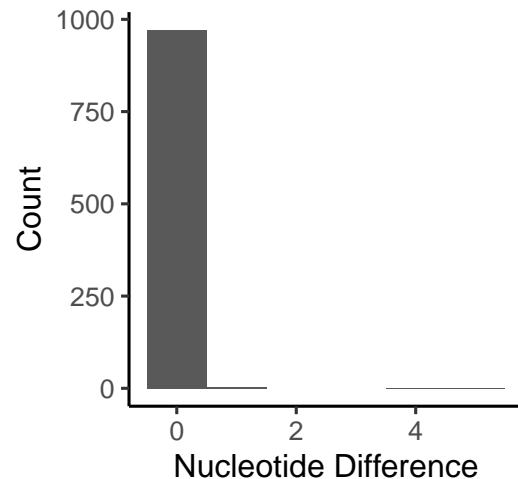
TRBV7-3*ap01

3511 sequences assigned
3476 (99%) exact matches, in which:
3470 unique CDR3
13 unique J



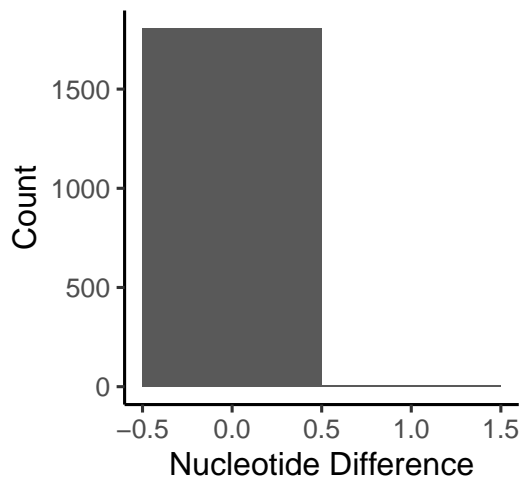
TRBV7-7*ap01_C315T

977 sequences assigned
971 (99.4%) exact matches, in which:
966 unique CDR3
13 unique J



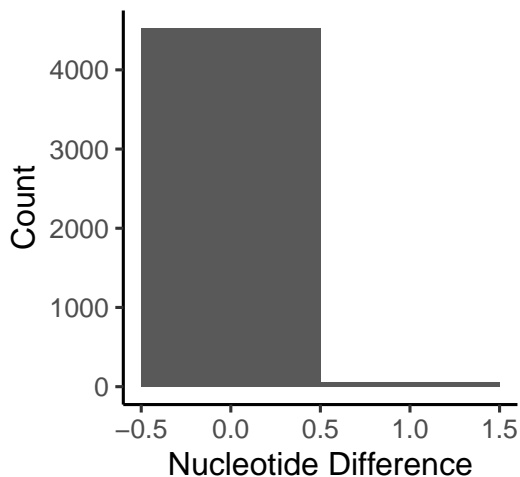
TRBV7-8*ap01

1813 sequences assigned
1806 (99.6%) exact matches, in which:
1800 unique CDR3
13 unique J



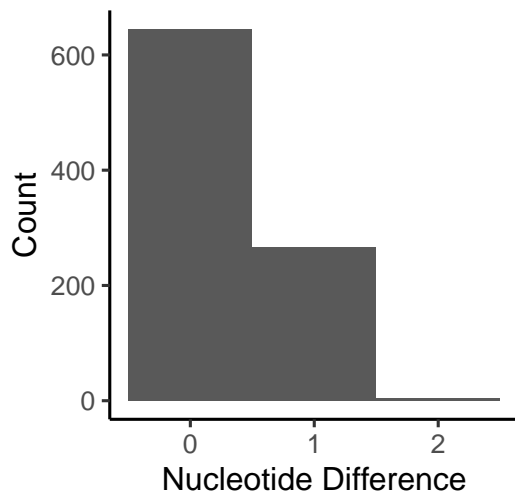
TRBV29-1*ap01

4577 sequences assigned
4523 (98.8%) exact matches, in which:
4464 unique CDR3
13 unique J



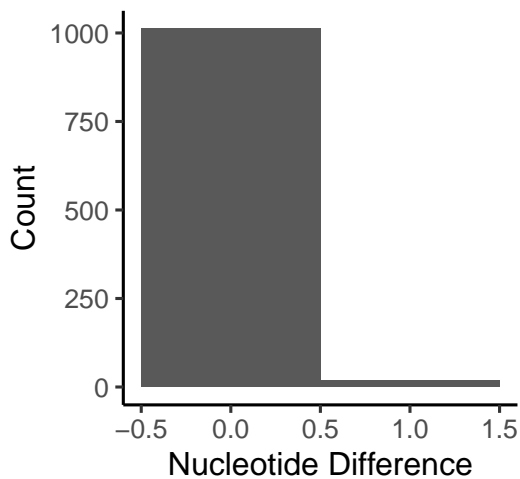
TRBV7-8*ap03

915 sequences assigned
645 (70.5%) exact matches, in which:
643 unique CDR3
13 unique J



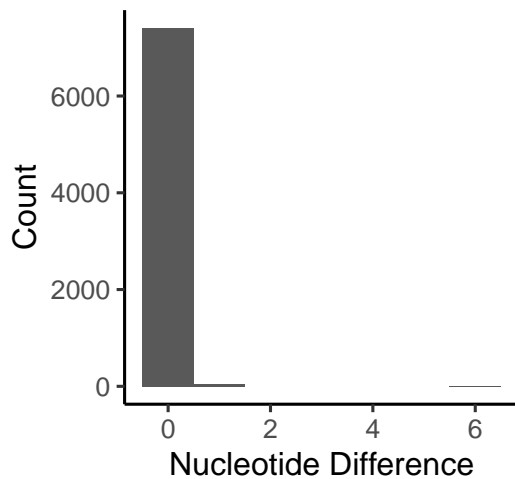
TRBV29-1*ap02

1030 sequences assigned
1012 (98.3%) exact matches, in which:
1004 unique CDR3
13 unique J

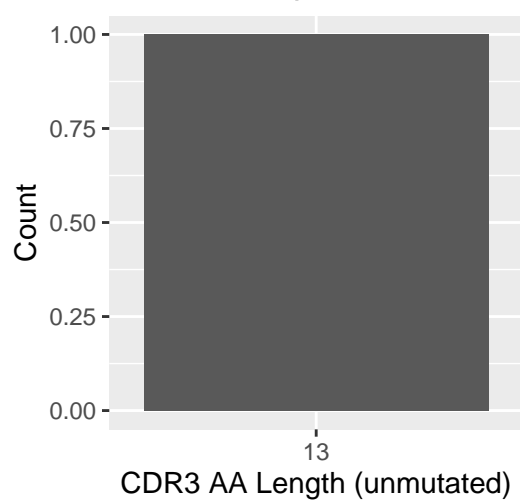


TRBV7-9*ap01

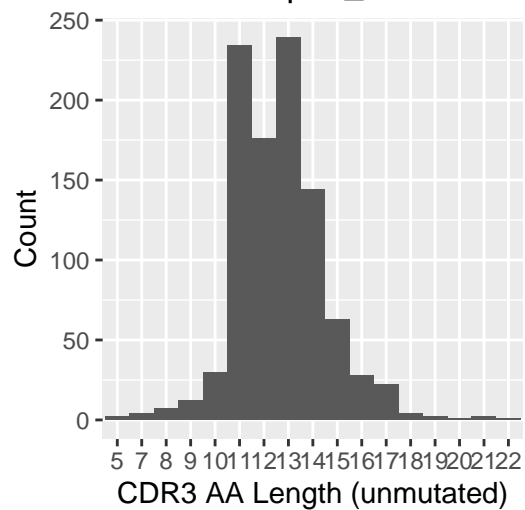
7451 sequences assigned
7405 (99.4%) exact matches, in which:
7378 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T





[illegible]