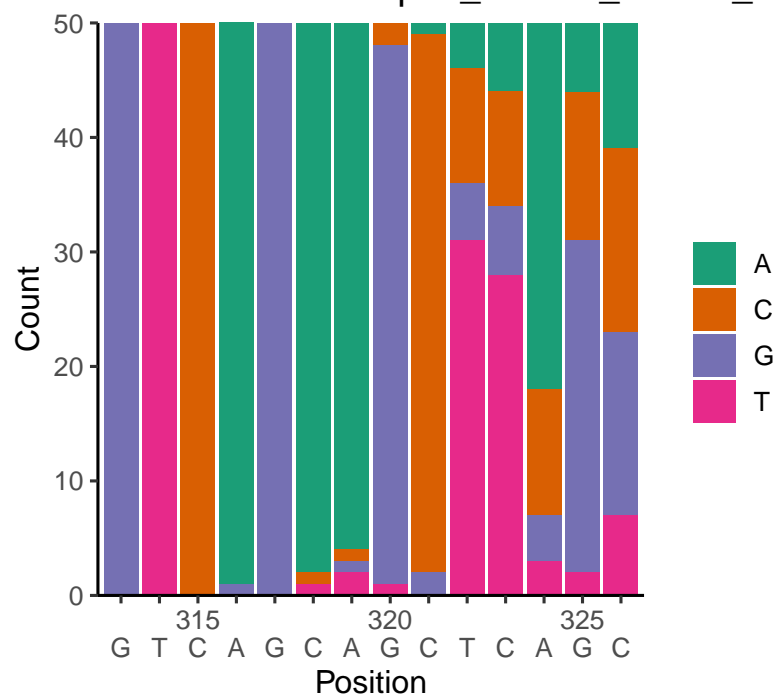
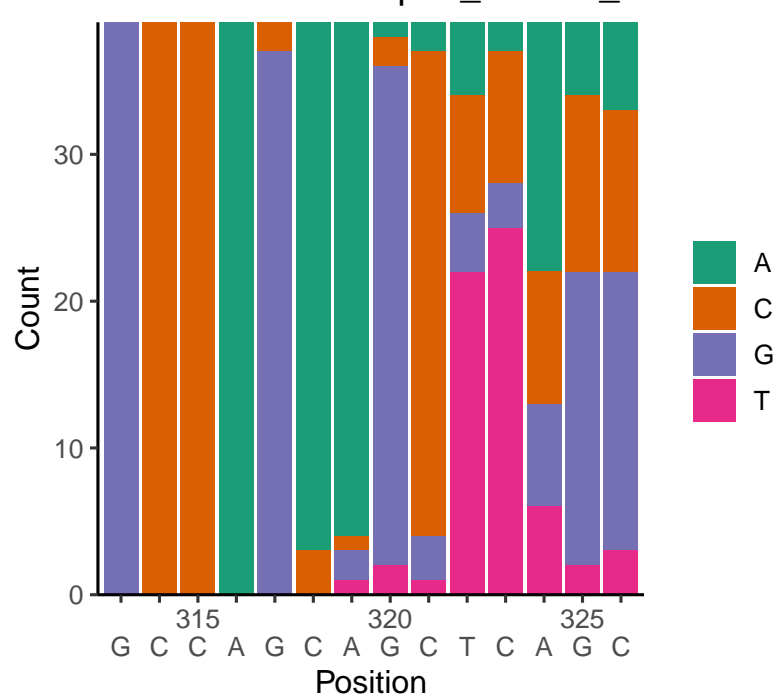


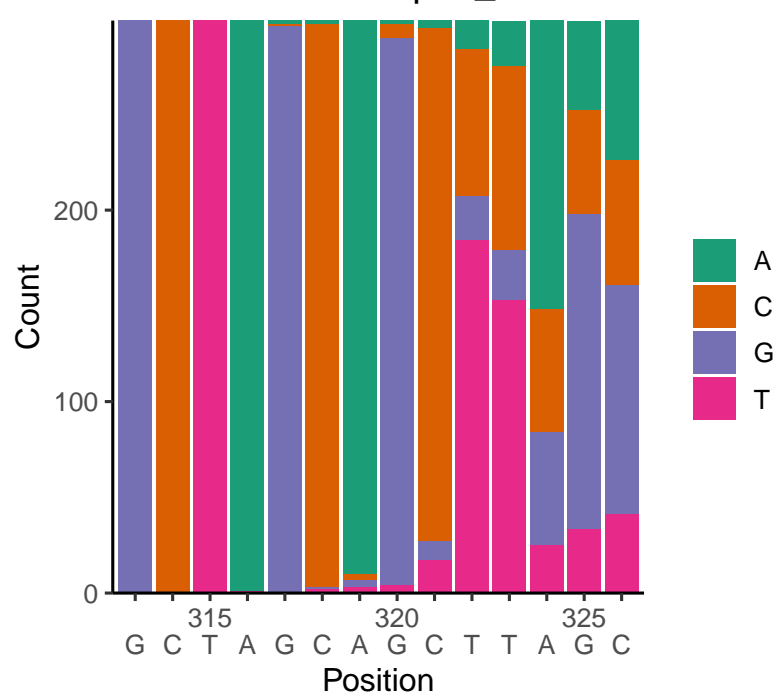
Gene TRBV7-1*ap01_G291C_T296C_C314T



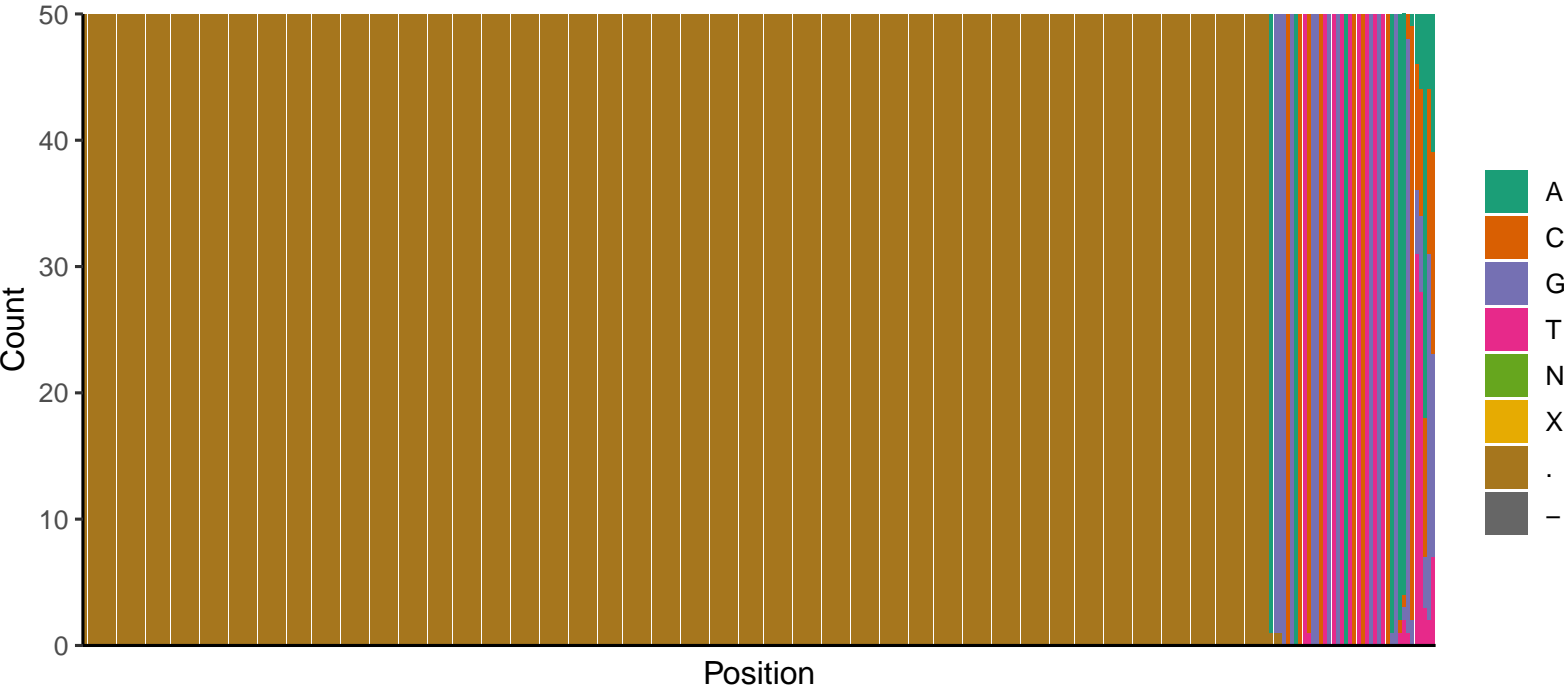
Gene TRBV7-1*ap01_G291C_T296C



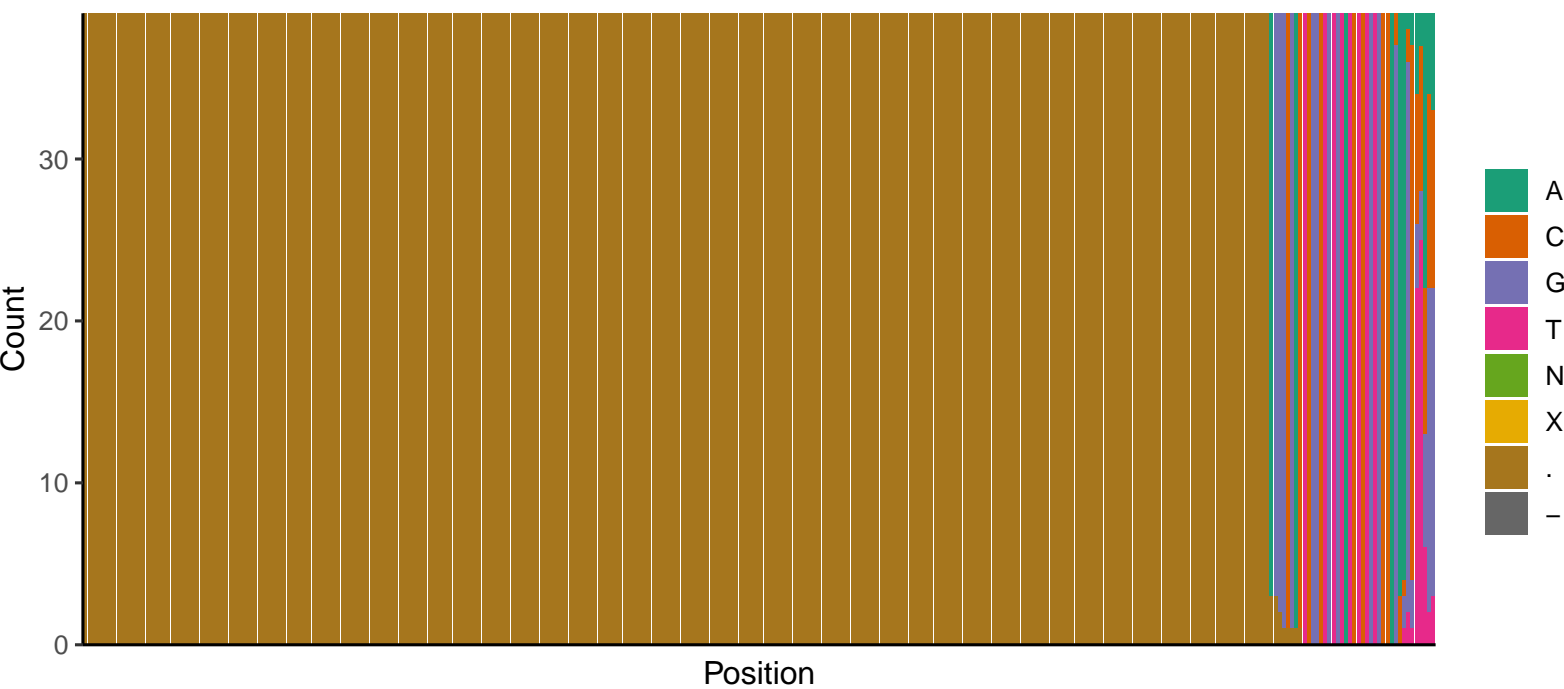
Gene TRBV7-7*ap01_C315T



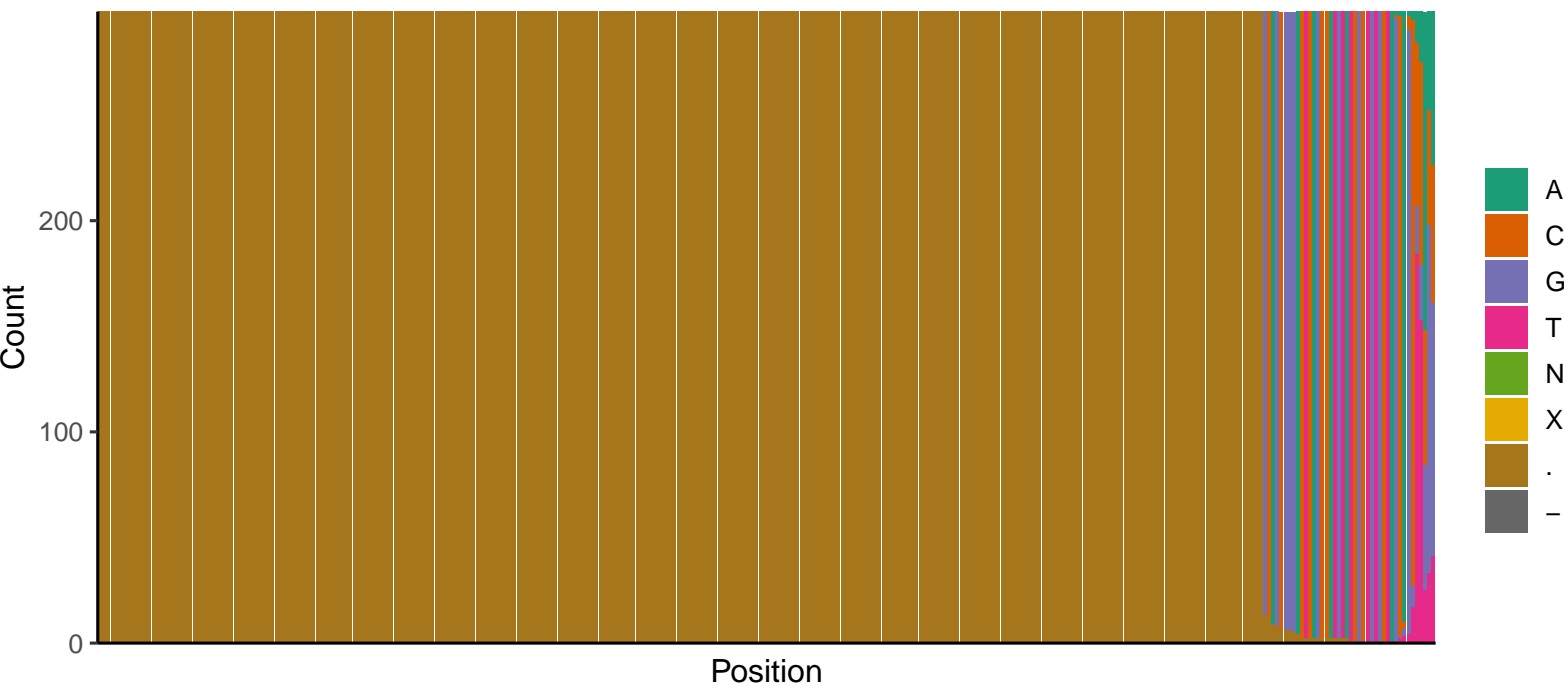
Gene TRBV7-1*ap01_G291C_T296C_C314T



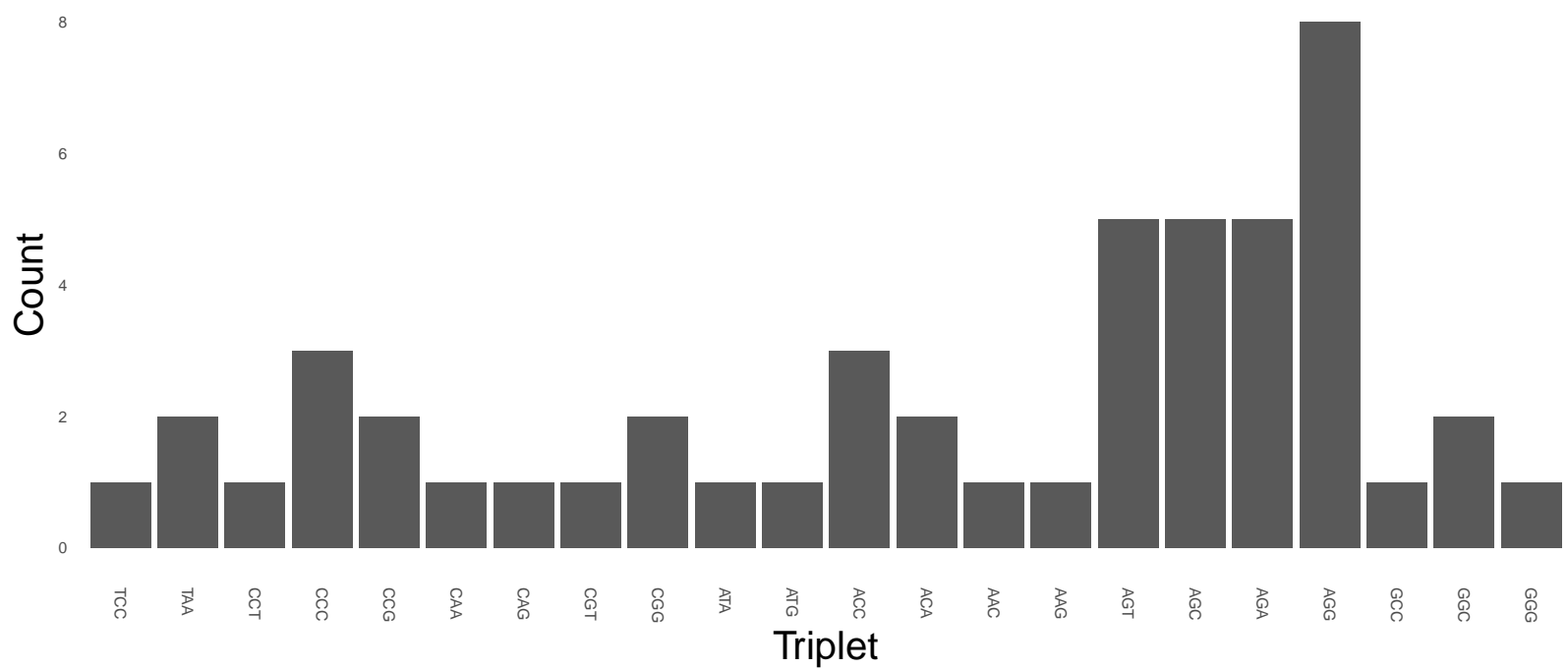
Gene TRBV7-1*ap01_G291C_T296C



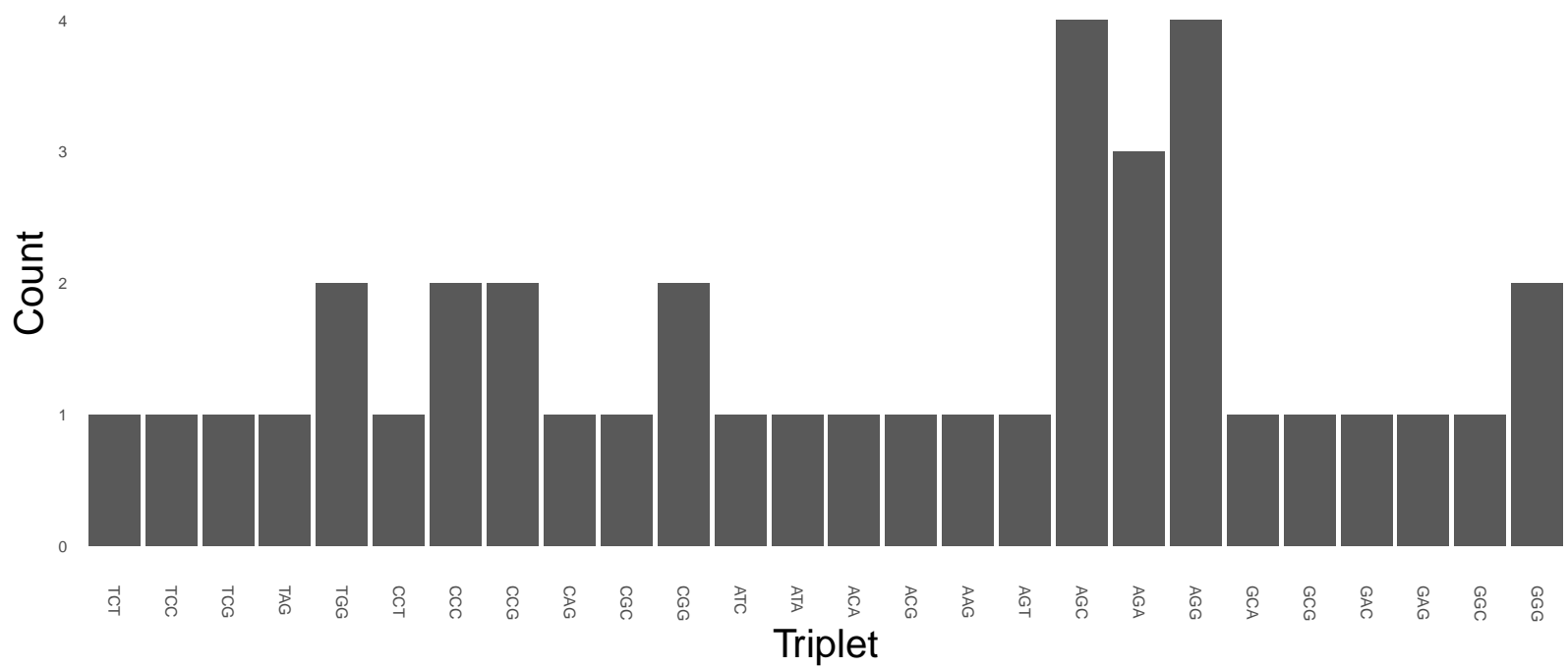
Gene TRBV7-7*ap01_C315T



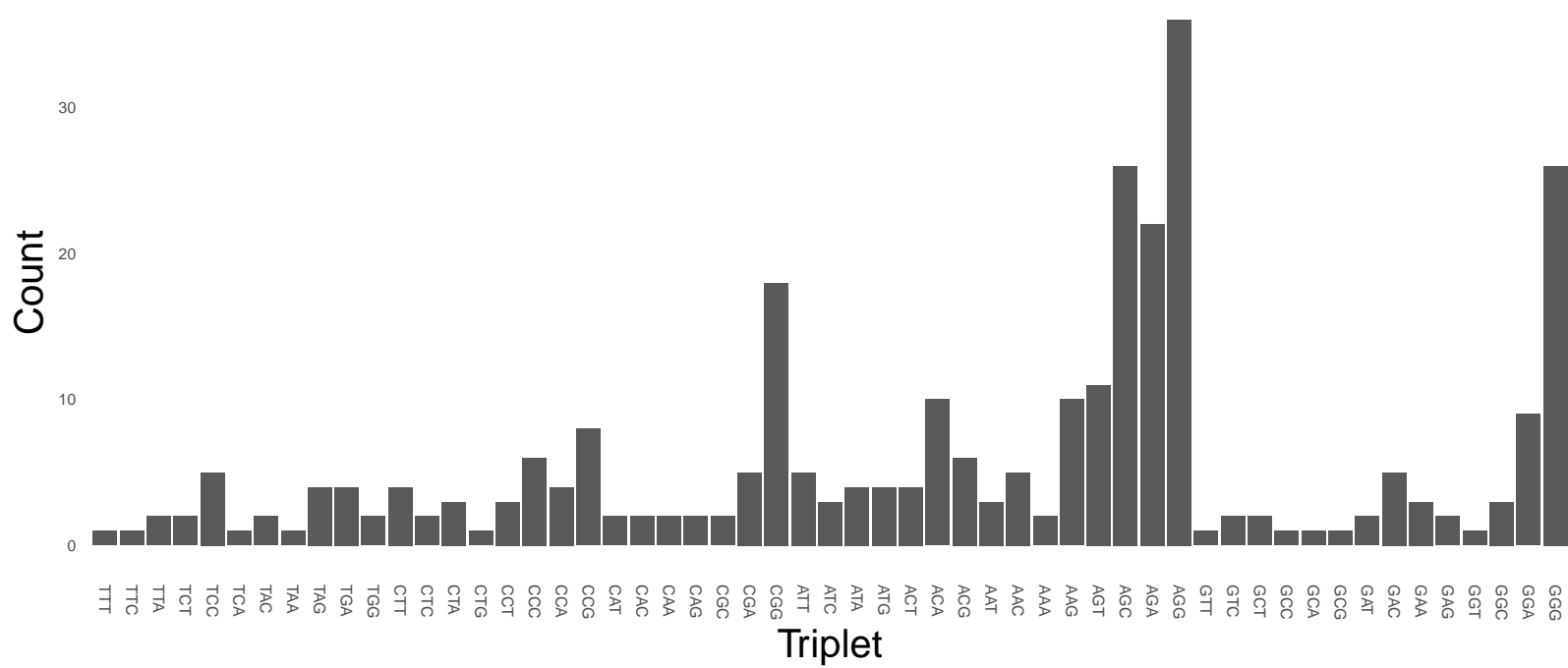
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

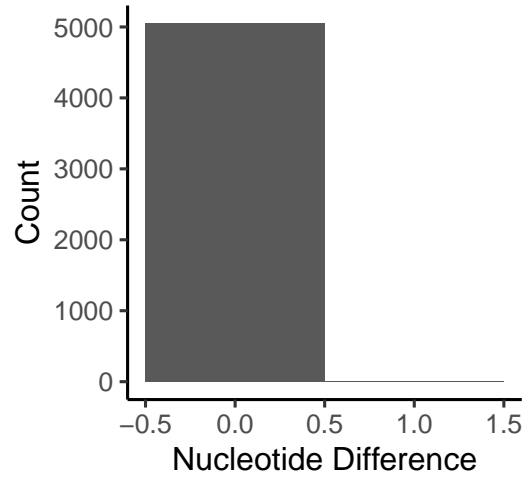


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



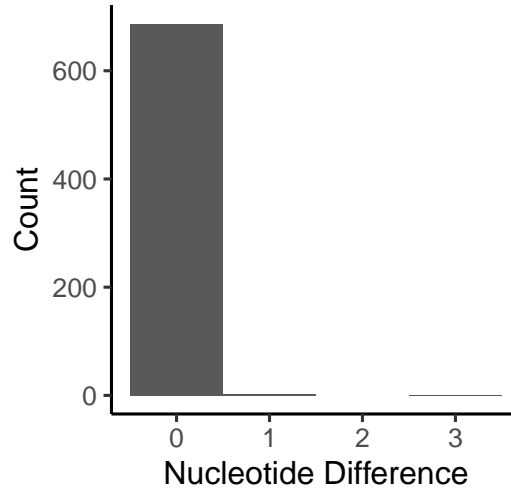
TRBV20-1*ap01

5061 sequences assigned
5050 (99.8%) exact matches, in which:
5031 unique CDR3
14 unique J



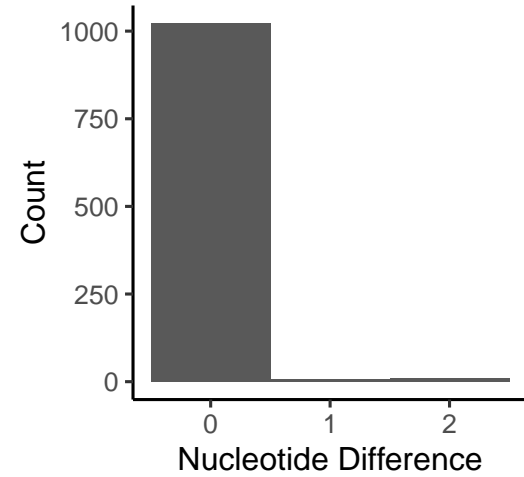
TRBV10-2*ap01

690 sequences assigned
687 (99.6%) exact matches, in which:
687 unique CDR3
13 unique J



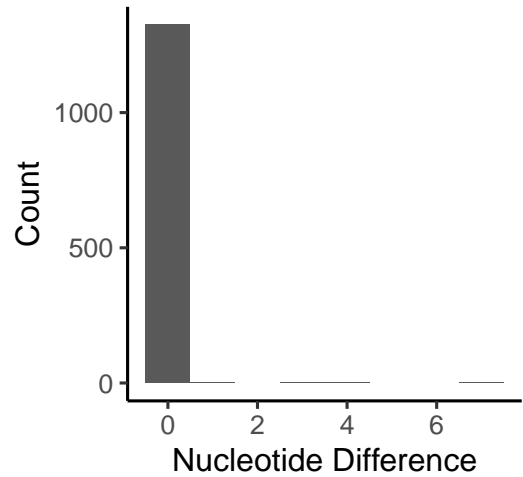
TRBV13*ap01

1038 sequences assigned
1022 (98.5%) exact matches, in which:
1015 unique CDR3
13 unique J



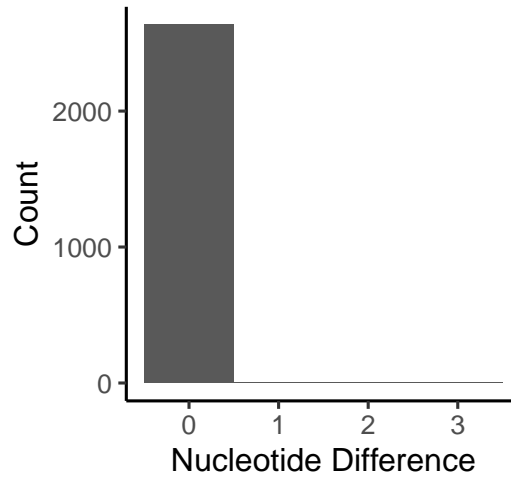
TRBV10-1*ap01

1329 sequences assigned
1325 (99.7%) exact matches, in which:
1323 unique CDR3
13 unique J



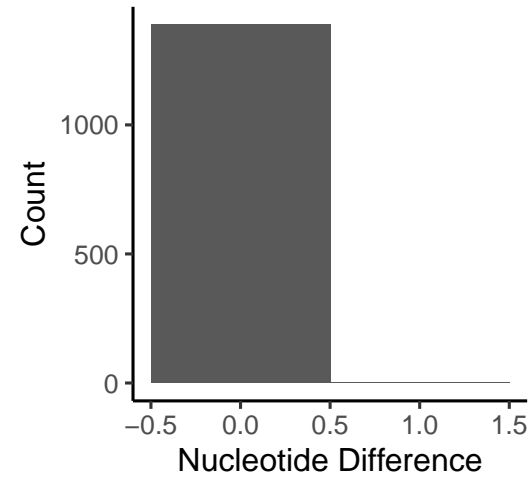
TRBV10-3*ap01

2640 sequences assigned
2635 (99.8%) exact matches, in which:
2632 unique CDR3
13 unique J



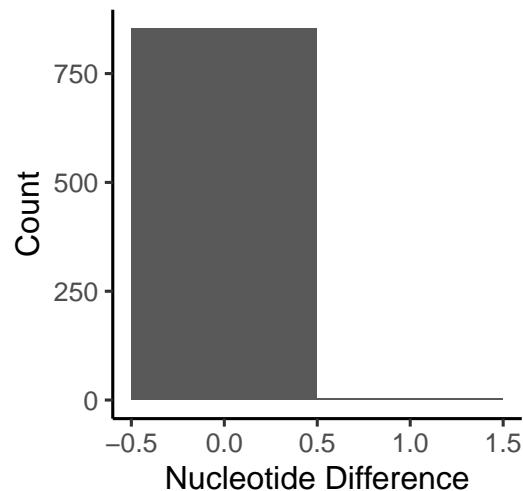
TRBV14*ap01

1390 sequences assigned
1388 (99.9%) exact matches, in which:
1387 unique CDR3
13 unique J



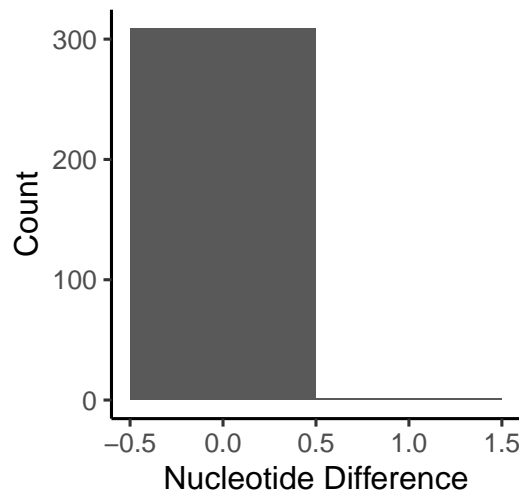
TRBV20-1*ap02

858 sequences assigned
854 (99.5%) exact matches, in which:
852 unique CDR3
13 unique J



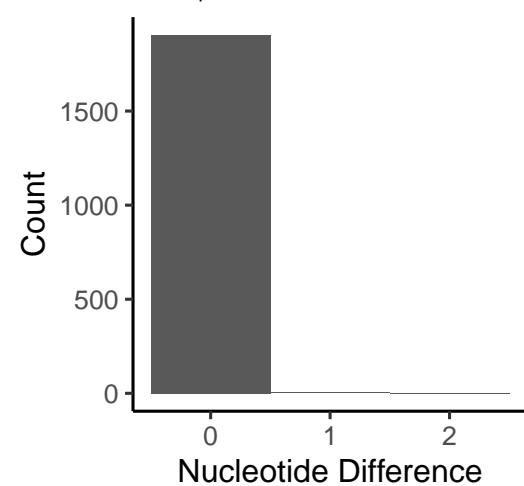
TRBV1*ap01

310 sequences assigned
309 (99.7%) exact matches, in which:
309 unique CDR3
13 unique J



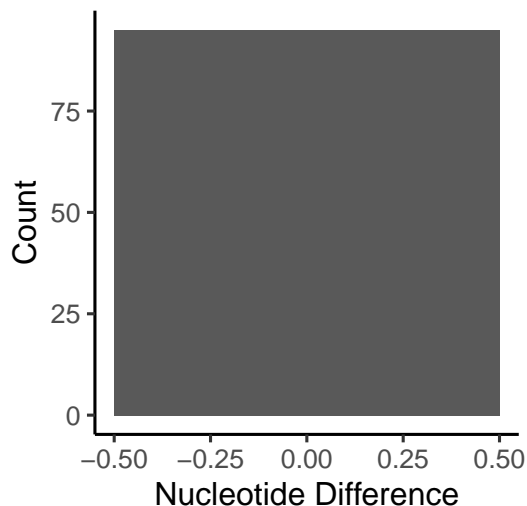
TRBV15*ap02

1909 sequences assigned
1904 (99.7%) exact matches, in which:
1900 unique CDR3
13 unique J



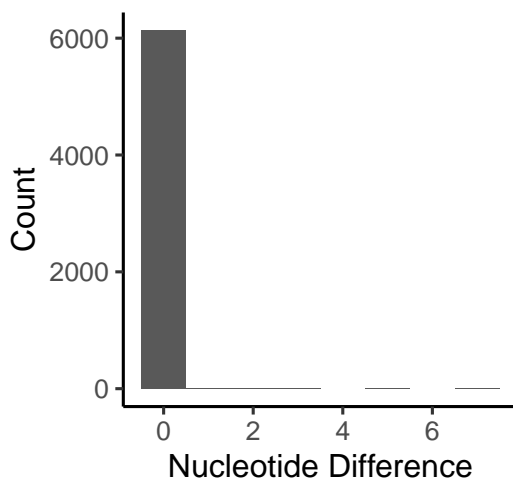
TRBV16*ap01

95 sequences assigned
95 (100%) exact matches, in which:
95 unique CDR3
13 unique J



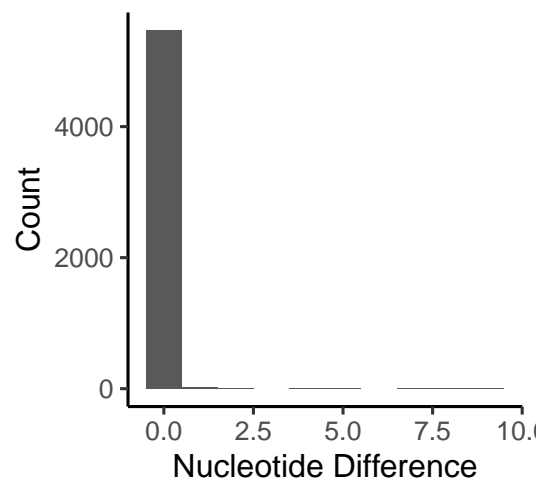
TRBV19*ap01

6154 sequences assigned
6133 (99.7%) exact matches, in which:
6129 unique CDR3
13 unique J



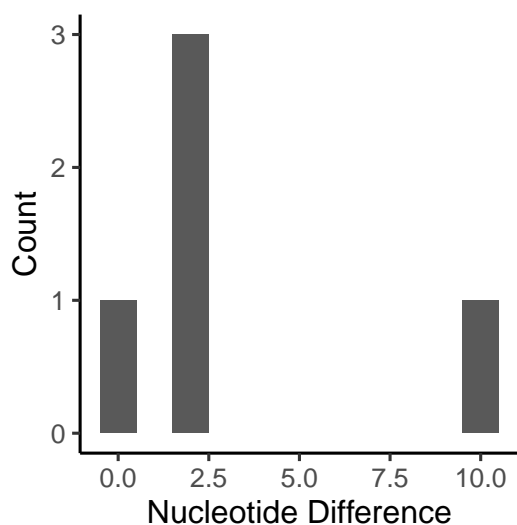
TRBV27*ap01

5494 sequences assigned
5468 (99.5%) exact matches, in which:
5445 unique CDR3
13 unique J



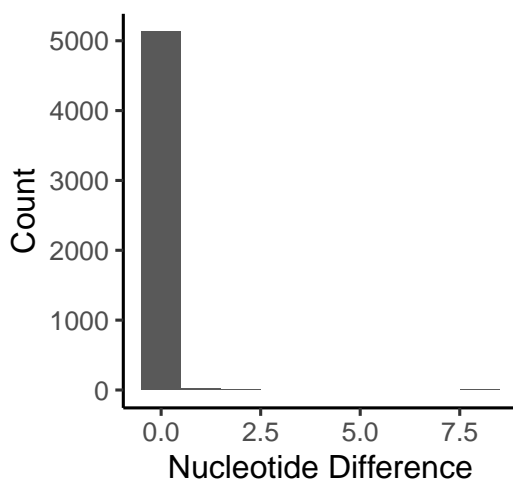
TRBV17*ap01

5 sequences assigned
1 (20%) exact matches, in which:
1 unique CDR3
1 unique J



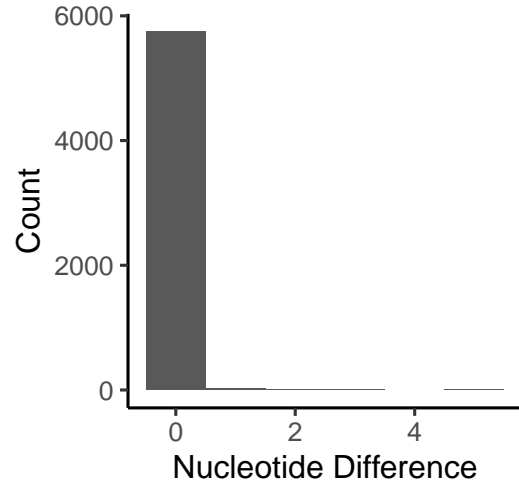
TRBV2*ap01

5148 sequences assigned
5129 (99.6%) exact matches, in which:
5114 unique CDR3
13 unique J



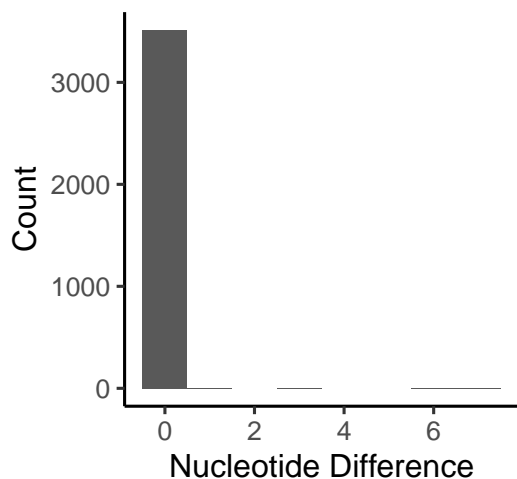
TRBV28*ap01

5768 sequences assigned
5745 (99.6%) exact matches, in which:
5739 unique CDR3
13 unique J



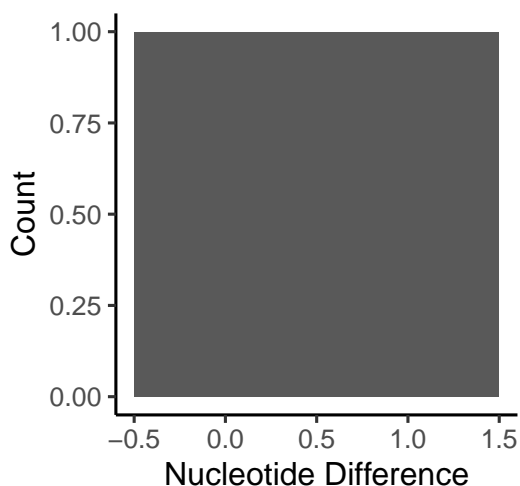
TRBV18*ap01

3521 sequences assigned
3513 (99.8%) exact matches, in which:
3507 unique CDR3
13 unique J



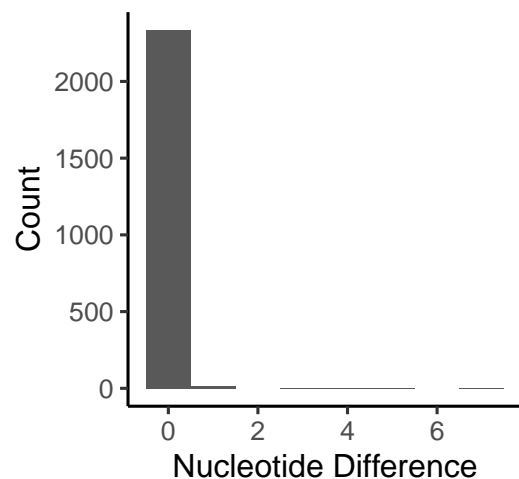
TRBV26*ap01

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



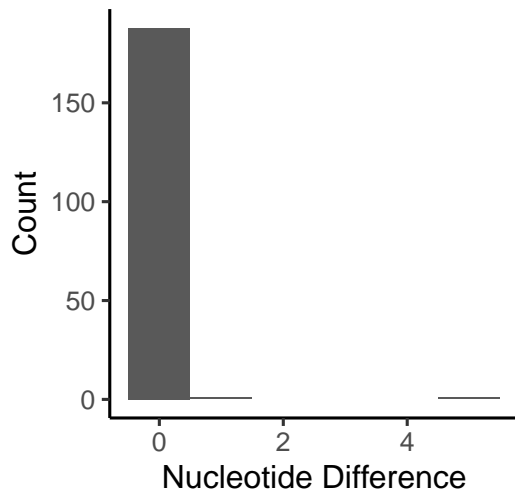
TRBV30*ap01

2355 sequences assigned
2335 (99.2%) exact matches, in which:
2330 unique CDR3
13 unique J



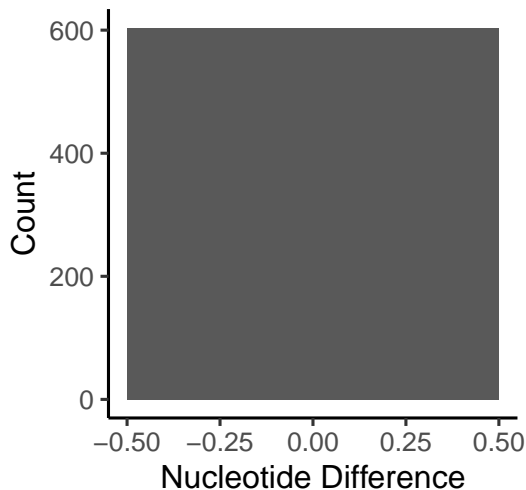
TRBV30*ap02

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



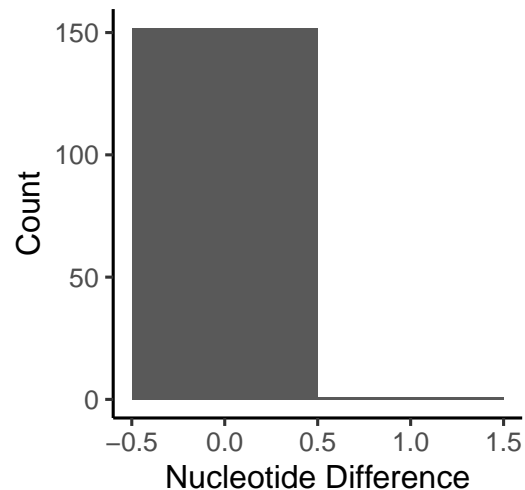
TRBV11-1*ap01

604 sequences assigned
604 (100%) exact matches, in which:
601 unique CDR3
13 unique J



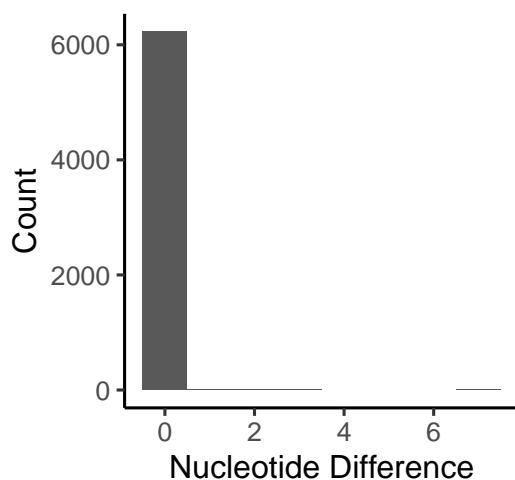
TRBV12-1*ap01

153 sequences assigned
152 (99.3%) exact matches, in which:
152 unique CDR3
13 unique J



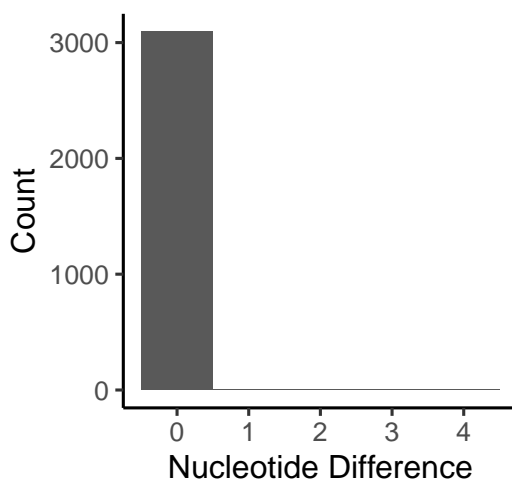
TRBV9*ap01

6240 sequences assigned
6227 (99.8%) exact matches, in which:
6208 unique CDR3
13 unique J



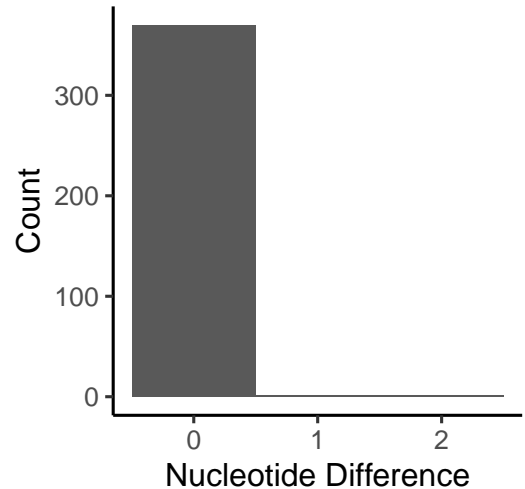
TRBV11-2*ap01

3103 sequences assigned
3094 (99.7%) exact matches, in which:
3094 unique CDR3
13 unique J



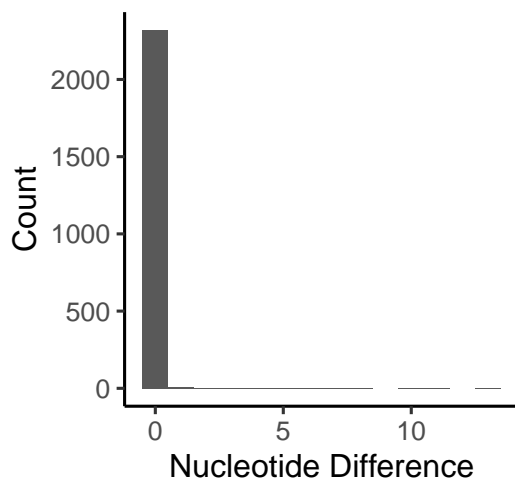
TRBV12-2*ap01

373 sequences assigned
370 (99.2%) exact matches, in which:
370 unique CDR3
13 unique J



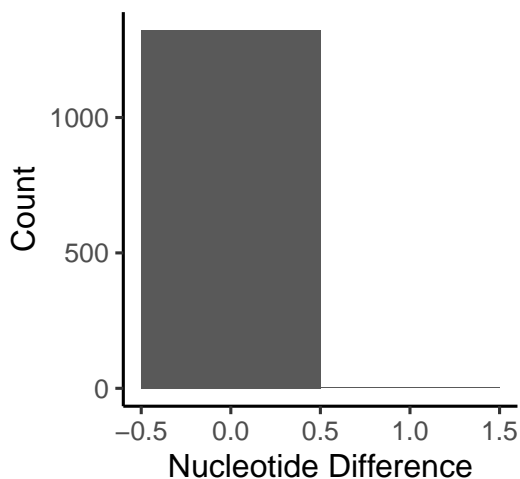
TRBV21-1*ap01

2350 sequences assigned
2320 (98.7%) exact matches, in which:
2318 unique CDR3
13 unique J



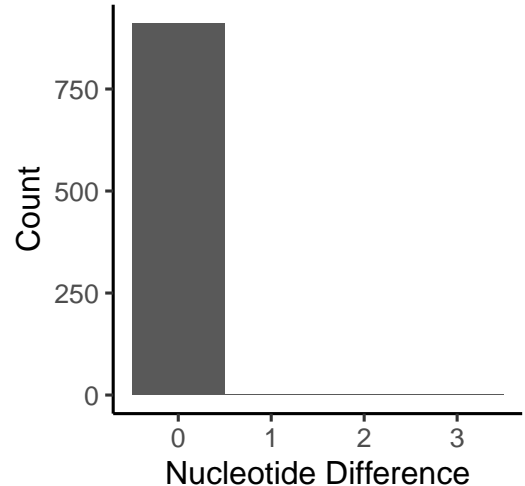
TRBV11-3*ap01

1326 sequences assigned
1323 (99.8%) exact matches, in which:
1320 unique CDR3
13 unique J



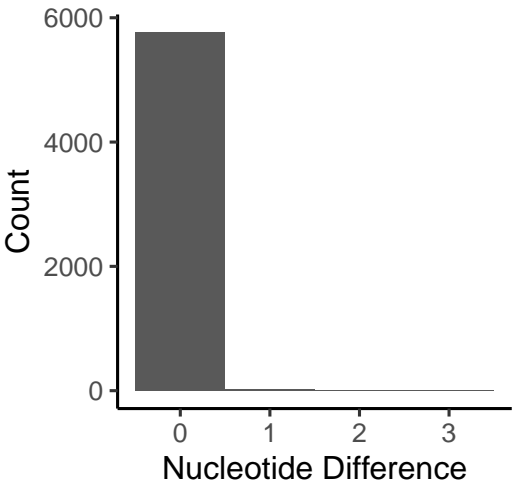
TRBV12-5*ap01

914 sequences assigned
911 (99.7%) exact matches, in which:
910 unique CDR3
13 unique J



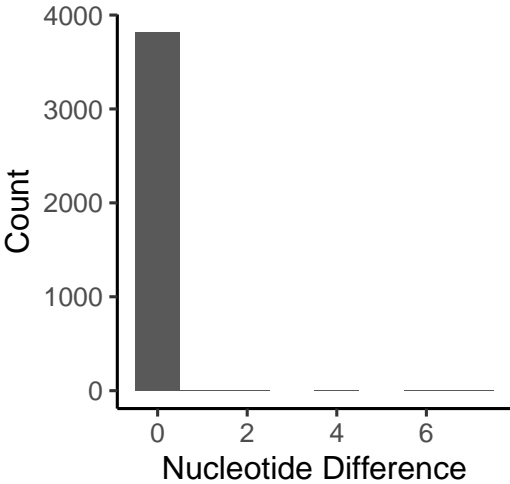
TRBV12-34*ap01

5787 sequences assigned
5764 (99.6%) exact matches, in which:
5755 unique CDR3
13 unique J



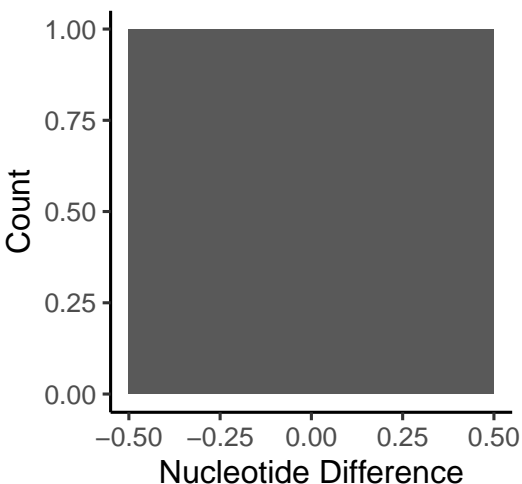
TRBV24-1*ap01

3827 sequences assigned
3815 (99.7%) exact matches, in which:
3800 unique CDR3
13 unique J



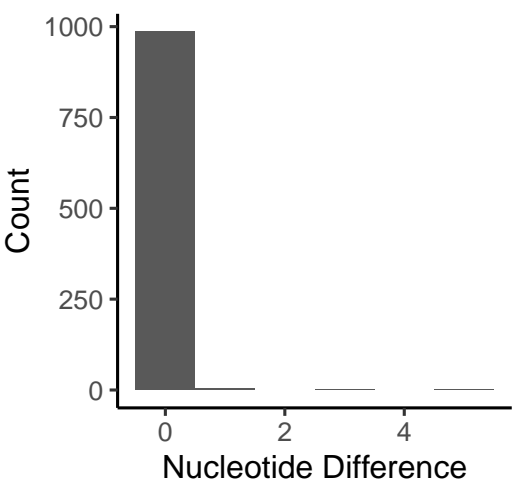
TRBV4-3*ap01

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



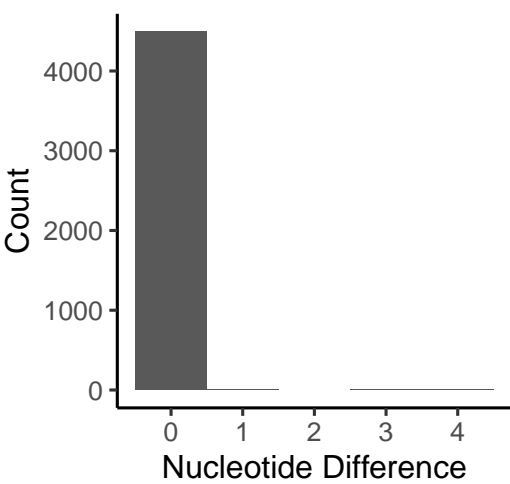
TRBV23-1*ap01

991 sequences assigned
986 (99.5%) exact matches, in which:
985 unique CDR3
13 unique J



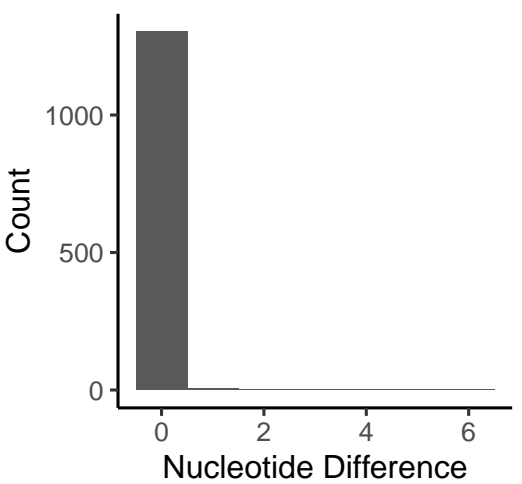
TRBV4-1*ap01

4502 sequences assigned
4492 (99.8%) exact matches, in which:
4479 unique CDR3
13 unique J



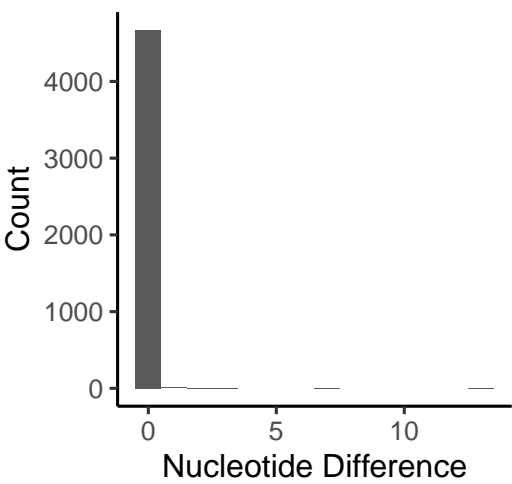
TRBV25-1*ap01

1316 sequences assigned
1303 (99%) exact matches, in which:
1299 unique CDR3
13 unique J



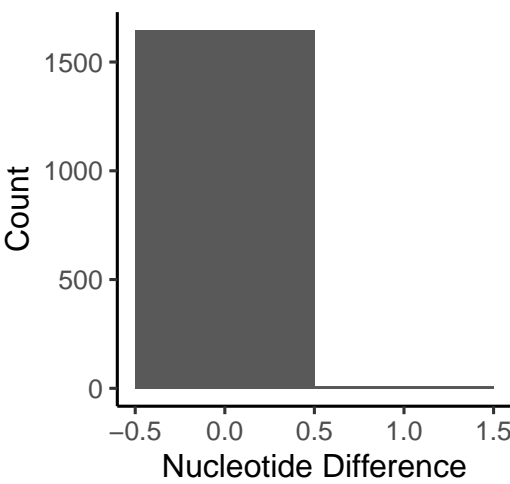
TRBV3-12*ap01

4684 sequences assigned
4670 (99.7%) exact matches, in which:
4656 unique CDR3
13 unique J



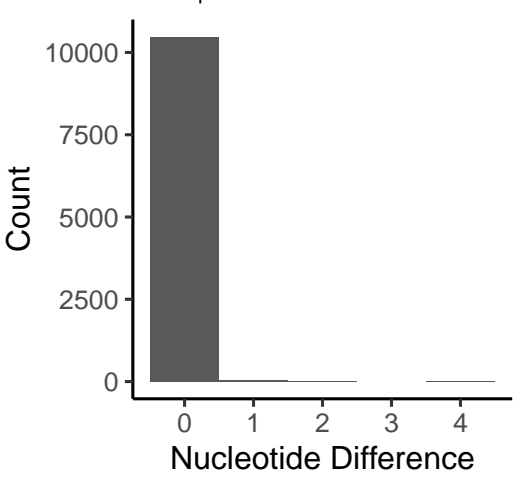
TRBV4-2*ap01

1657 sequences assigned
1647 (99.4%) exact matches, in which:
1639 unique CDR3
13 unique J



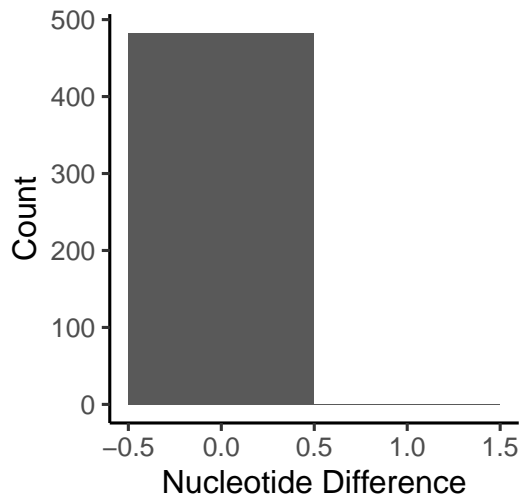
TRBV5-1*ap01

10522 sequences assigned
10476 (99.6%) exact matches, in which:
10419 unique CDR3
13 unique J



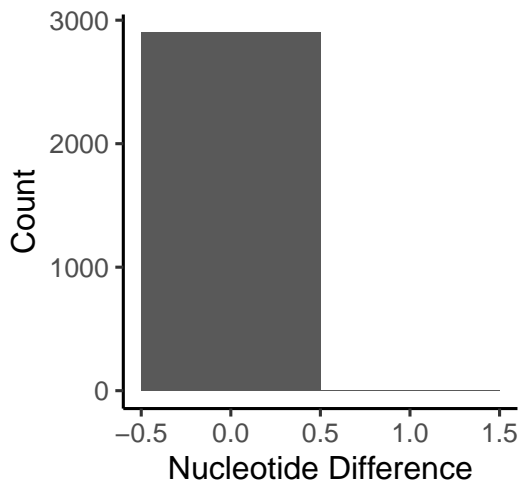
TRBV5-3*ap01

484 sequences assigned
483 (99.8%) exact matches, in which:
481 unique CDR3
13 unique J



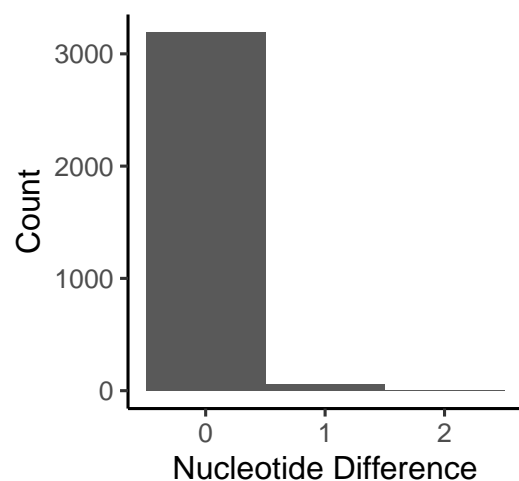
TRBV5-6*ap01

2909 sequences assigned
2901 (99.7%) exact matches, in which:
2889 unique CDR3
13 unique J



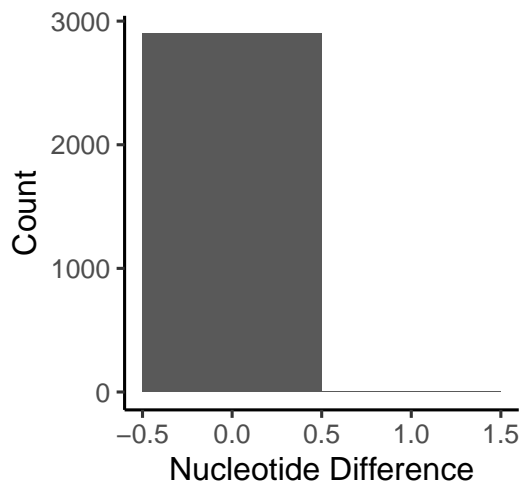
TRBV6-1*ap01

3249 sequences assigned
3191 (98.2%) exact matches, in which:
3177 unique CDR3
13 unique J



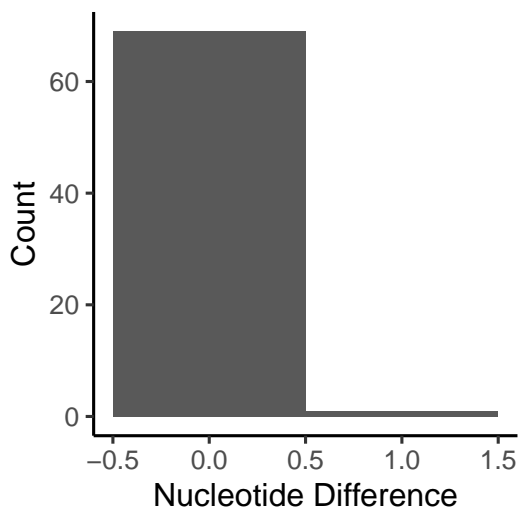
TRBV5-4*ap01

2904 sequences assigned
2898 (99.8%) exact matches, in which:
2890 unique CDR3
13 unique J



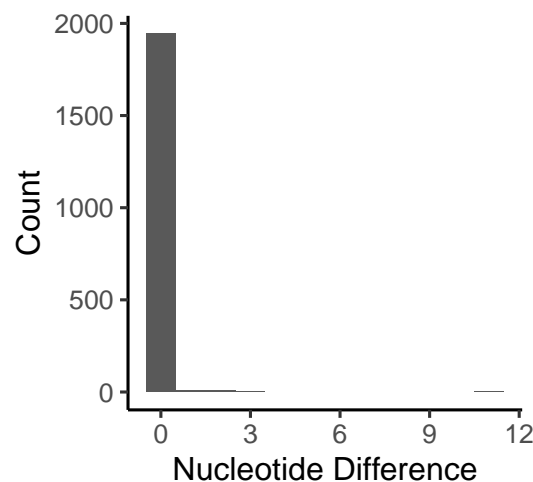
TRBV5-7*ap01

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



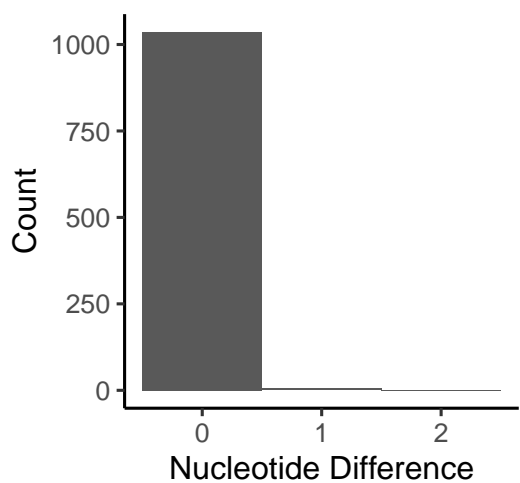
TRBV6-4*ap01

1961 sequences assigned
1944 (99.1%) exact matches, in which:
1943 unique CDR3
13 unique J



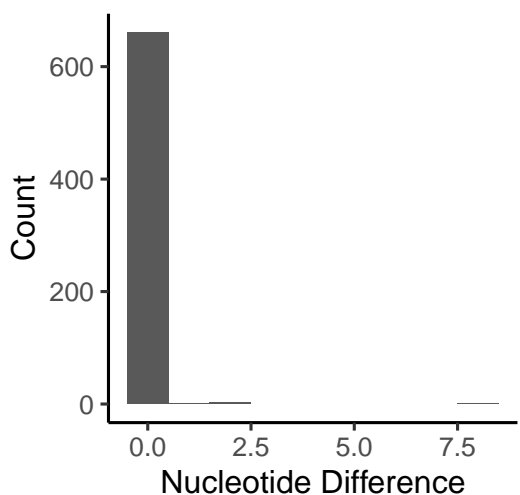
TRBV5-5*ap01

1042 sequences assigned
1036 (99.4%) exact matches, in which:
1035 unique CDR3
13 unique J



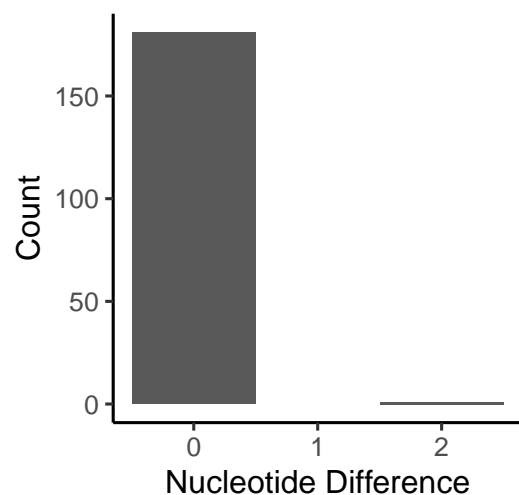
TRBV5-8*ap01

666 sequences assigned
661 (99.2%) exact matches, in which:
661 unique CDR3
13 unique J



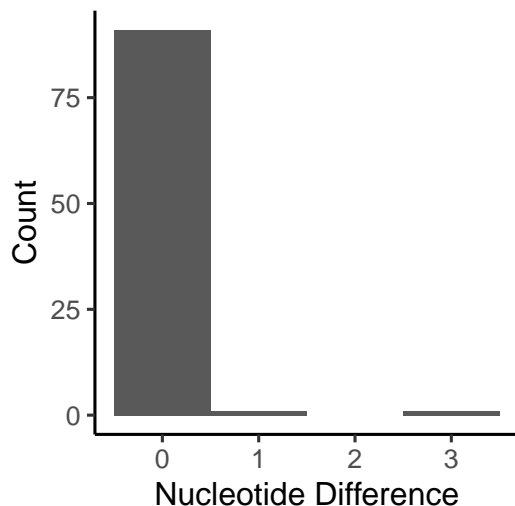
TRBV6-7*ap01

182 sequences assigned
181 (99.5%) exact matches, in which:
180 unique CDR3
13 unique J



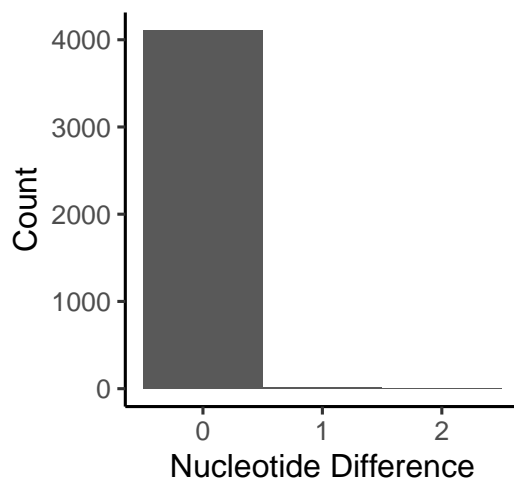
TRBV6–8*ap01

93 sequences assigned
91 (97.8%) exact matches, in which:
91 unique CDR3
12 unique J



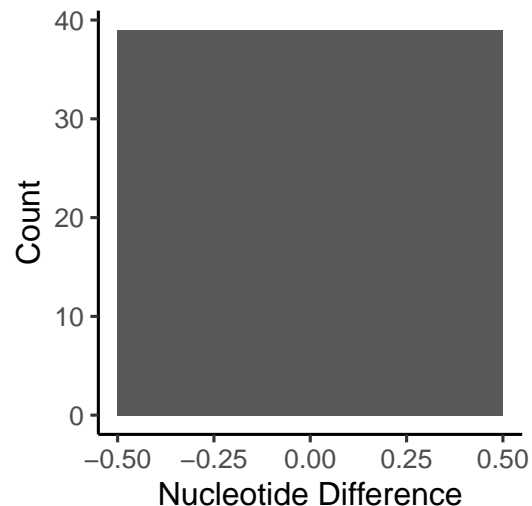
TRBV6–56*ap01

4125 sequences assigned
4107 (99.6%) exact matches, in which:
4089 unique CDR3
13 unique J



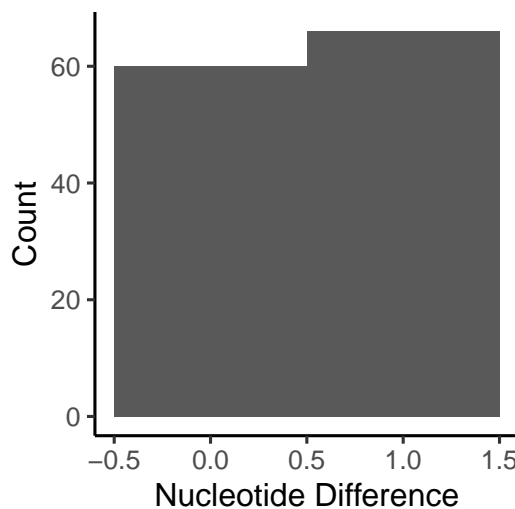
TRBV7–1*ap01_G291C_T

39 sequences assigned
39 (100%) exact matches, in which:
39 unique CDR3
12 unique J



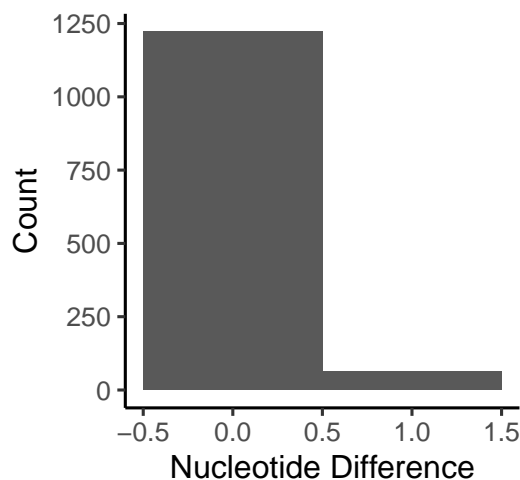
TRBV6–9*ap01

126 sequences assigned
60 (47.6%) exact matches, in which:
59 unique CDR3
13 unique J



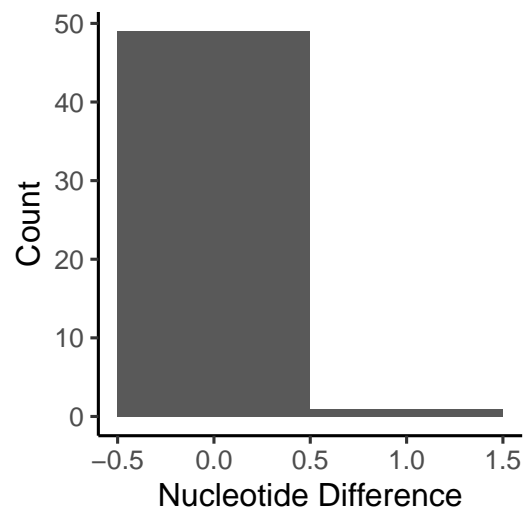
TRBV6–56*ap02

1284 sequences assigned
1222 (95.2%) exact matches, in which:
1211 unique CDR3
13 unique J



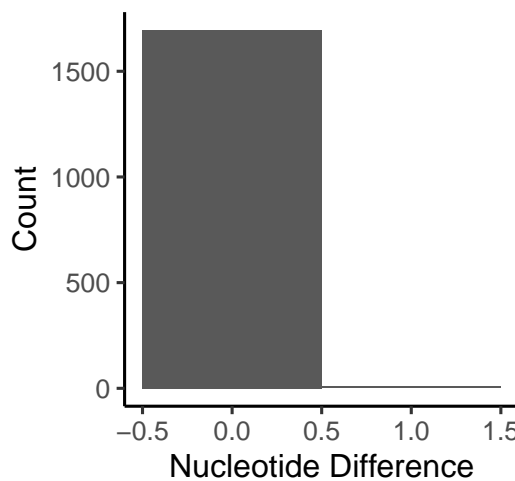
TRBV7–1*ap01_G291C_T

50 sequences assigned
49 (98%) exact matches, in which:
49 unique CDR3
11 unique J



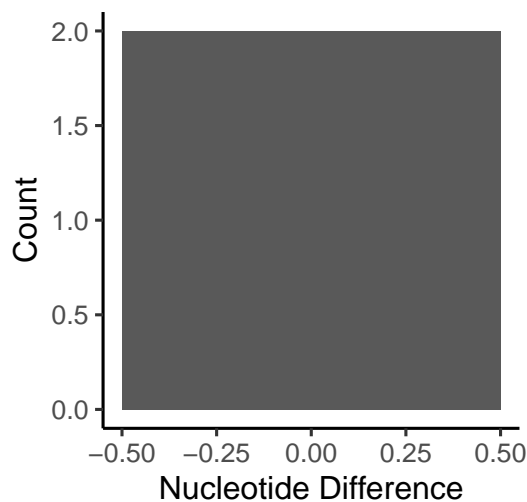
TRBV6–23*ap01

1703 sequences assigned
1695 (99.5%) exact matches, in which:
1687 unique CDR3
13 unique J



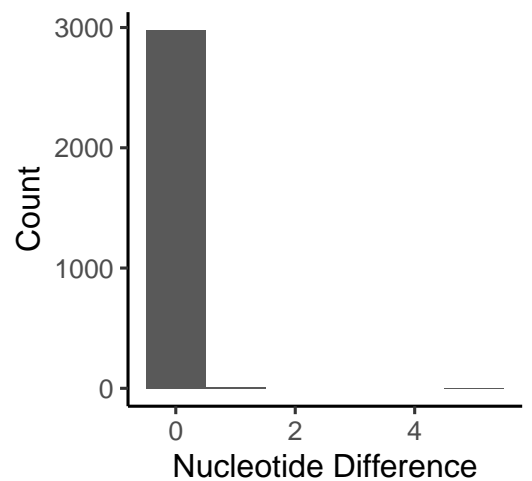
TRBV7–1*ap01

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



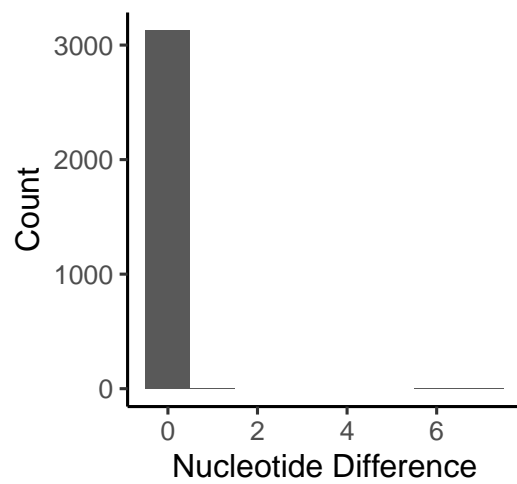
TRBV7–2*ap01

2989 sequences assigned
2979 (99.7%) exact matches, in which:
2975 unique CDR3
13 unique J



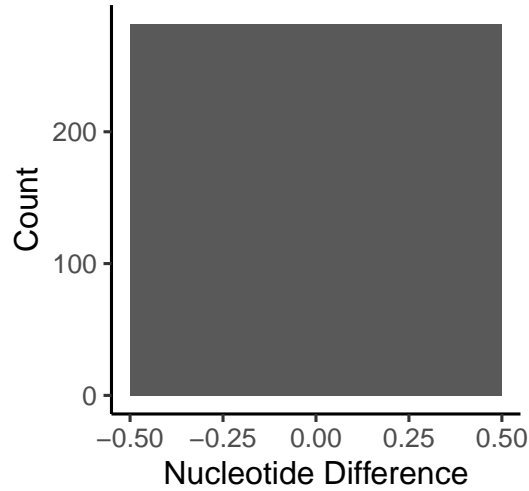
TRBV7-3*ap01

3138 sequences assigned
3128 (99.7%) exact matches, in which:
3123 unique CDR3
13 unique J



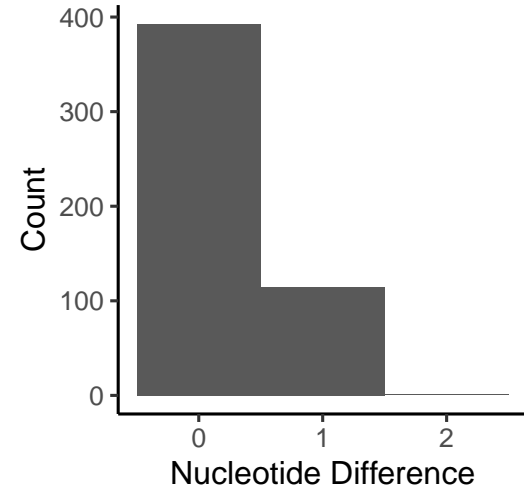
TRBV7-7*ap01

282 sequences assigned
282 (100%) exact matches, in which:
282 unique CDR3
13 unique J



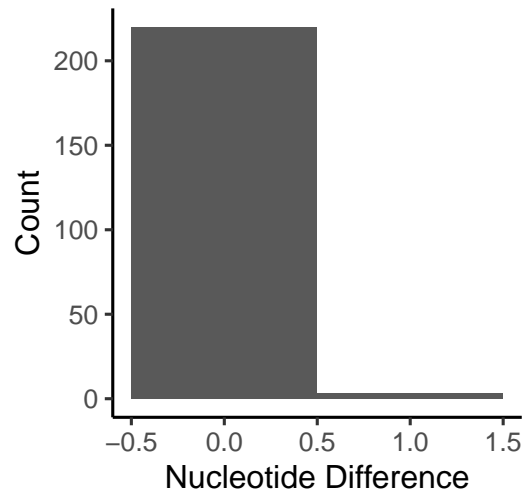
TRBV7-8*ap03

509 sequences assigned
393 (77.2%) exact matches, in which:
393 unique CDR3
13 unique J



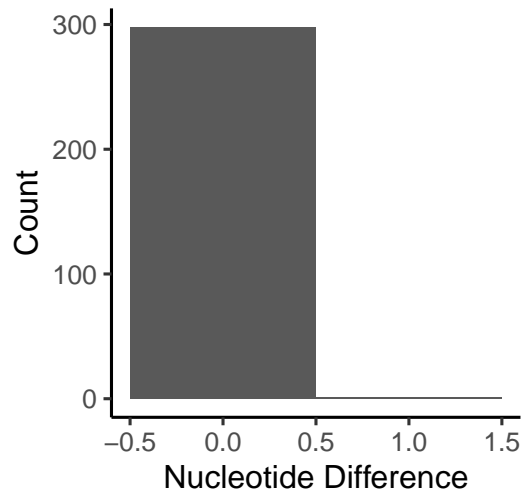
TRBV7-4*ap01

223 sequences assigned
220 (98.7%) exact matches, in which:
220 unique CDR3
13 unique J



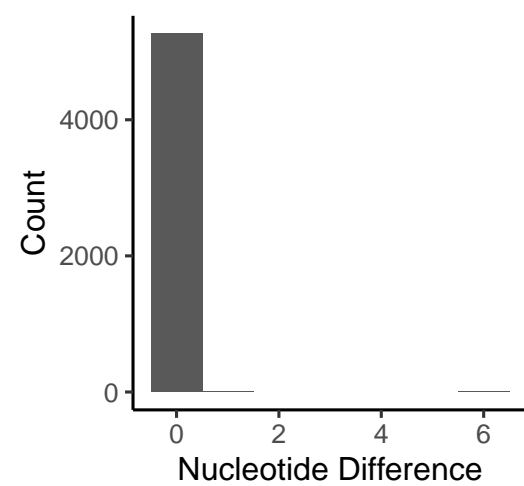
TRBV7-7*ap01_C315T

299 sequences assigned
298 (99.7%) exact matches, in which:
297 unique CDR3
12 unique J



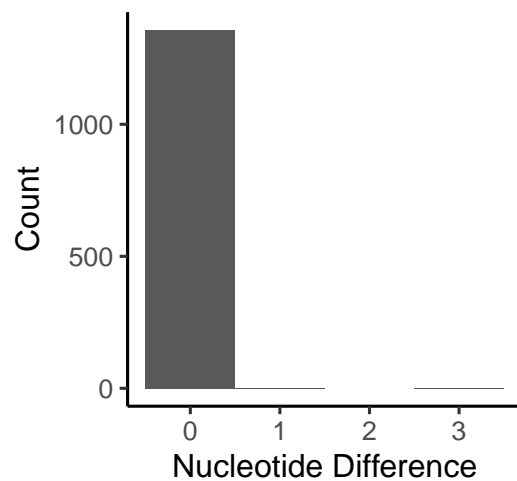
TRBV7-9*ap01

5273 sequences assigned
5264 (99.8%) exact matches, in which:
5254 unique CDR3
13 unique J



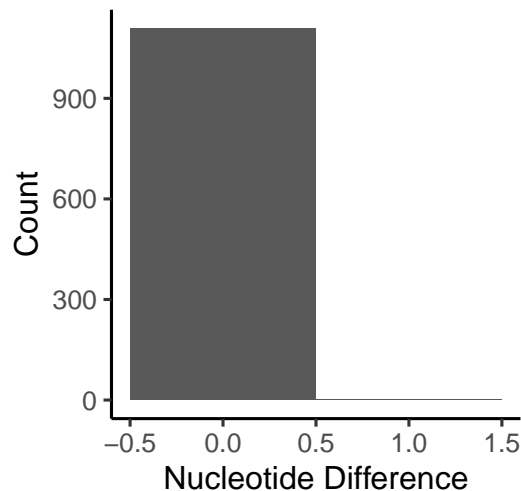
TRBV7-6*ap01

1360 sequences assigned
1357 (99.8%) exact matches, in which:
1355 unique CDR3
13 unique J



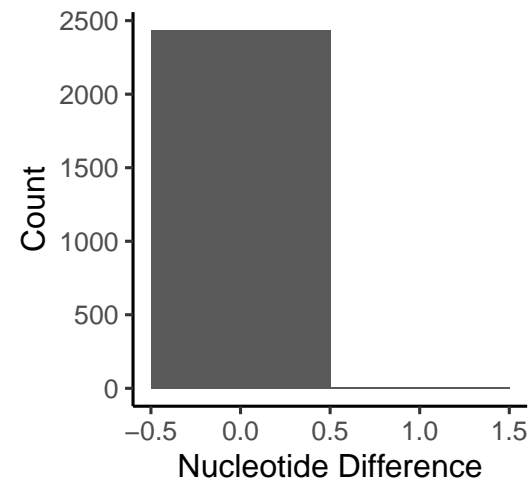
TRBV7-8*ap01

1111 sequences assigned
1109 (99.8%) exact matches, in which:
1105 unique CDR3
13 unique J



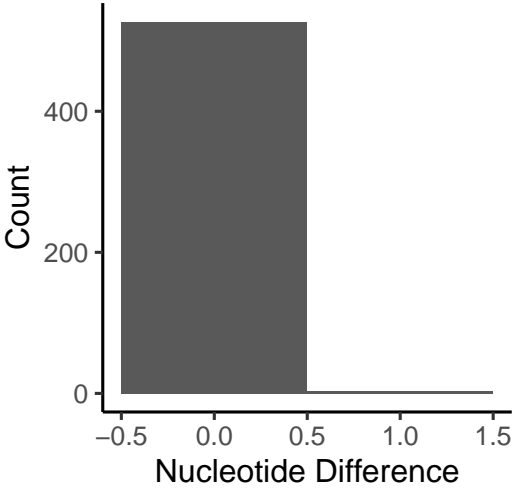
TRBV29-1*ap01

2447 sequences assigned
2436 (99.6%) exact matches, in which:
2431 unique CDR3
13 unique J

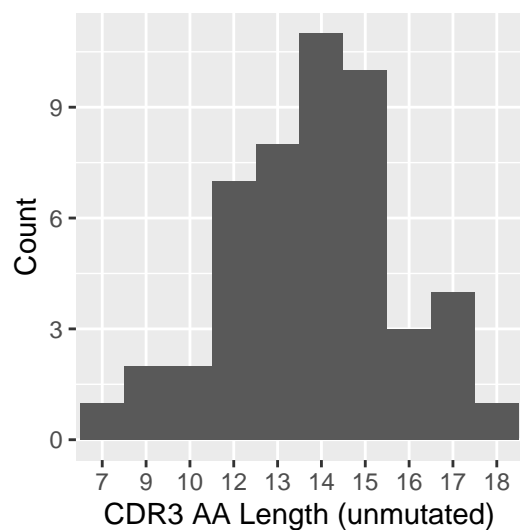


TRBV29-1*ap02

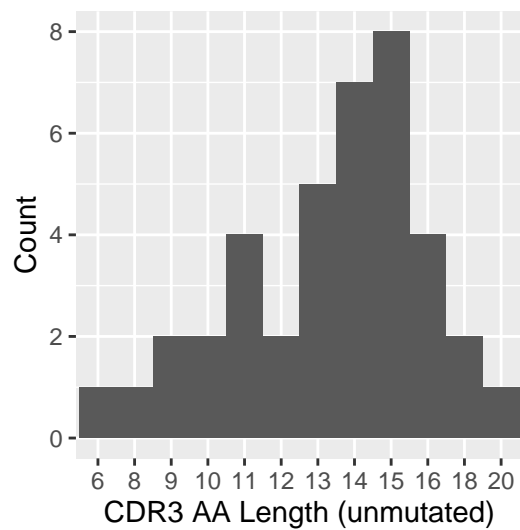
530 sequences assigned
527 (99.4%) exact matches, in which:
525 unique CDR3
13 unique J



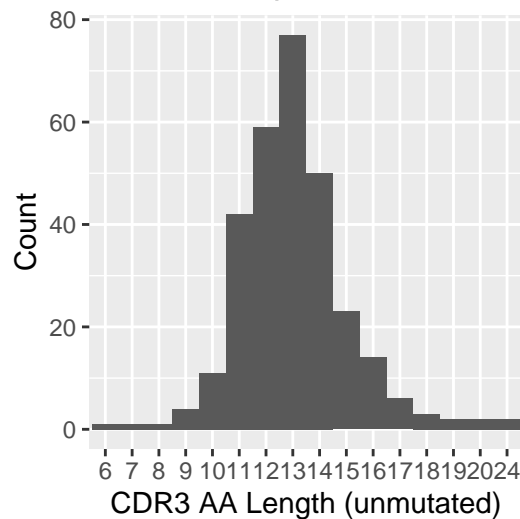
TRBV7-1*ap01_G291C_T296C_C314T

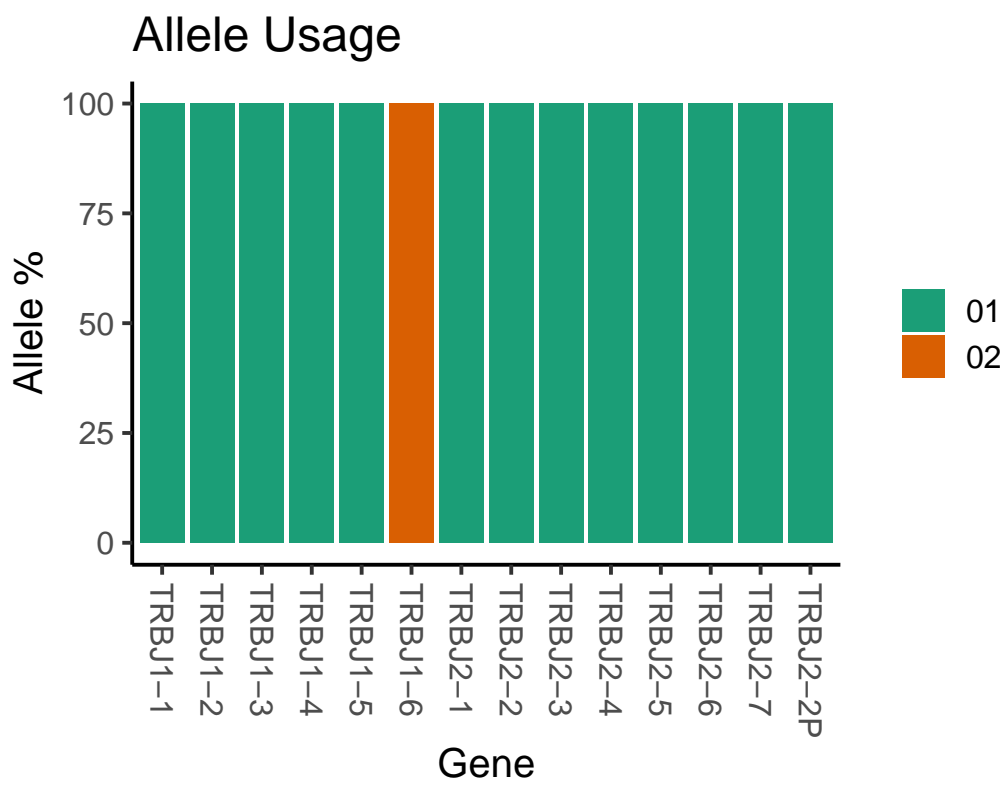


TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]