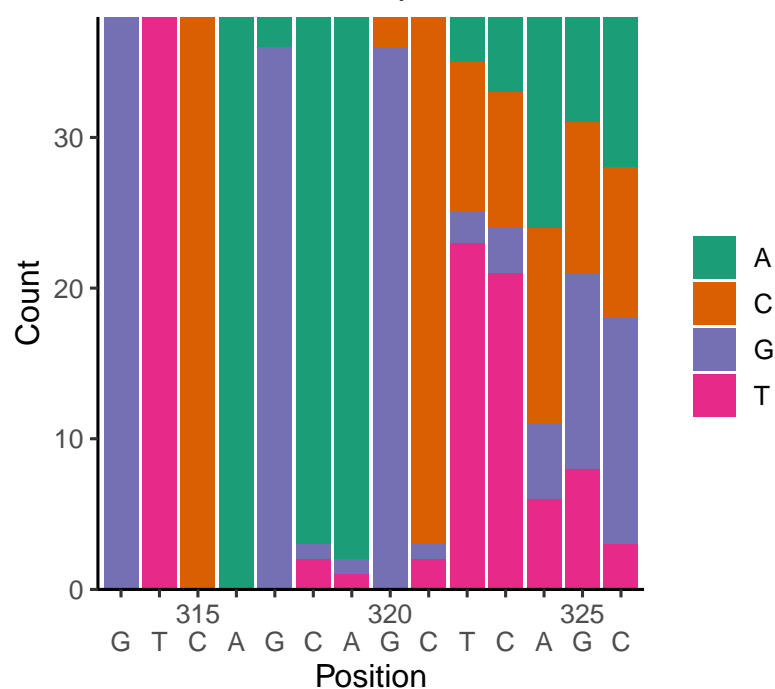
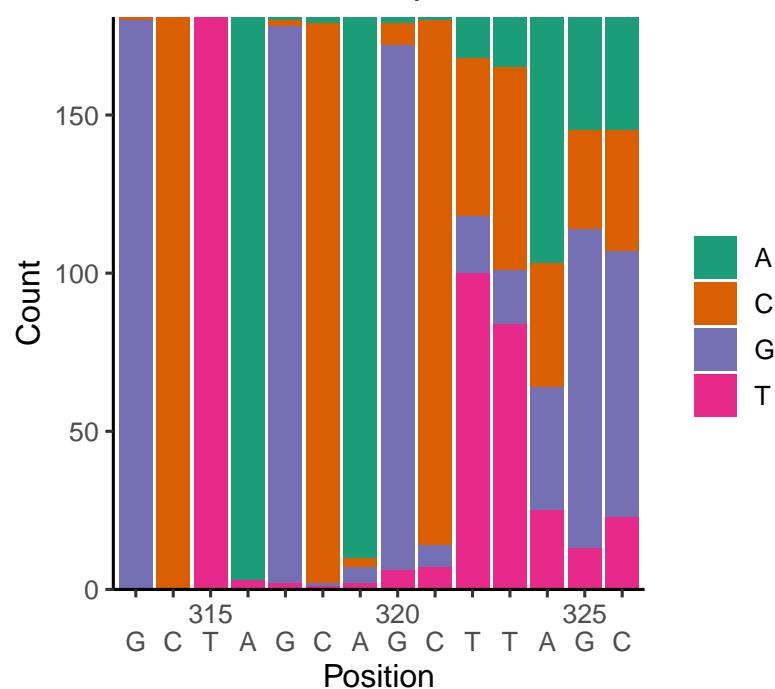


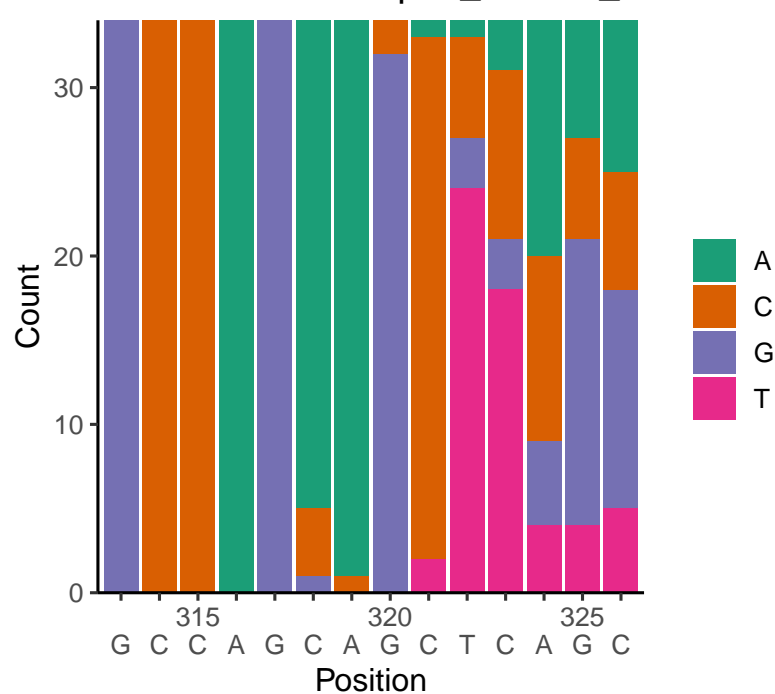
Gene TRBV7-1*ap01_G291C_T296C_C3



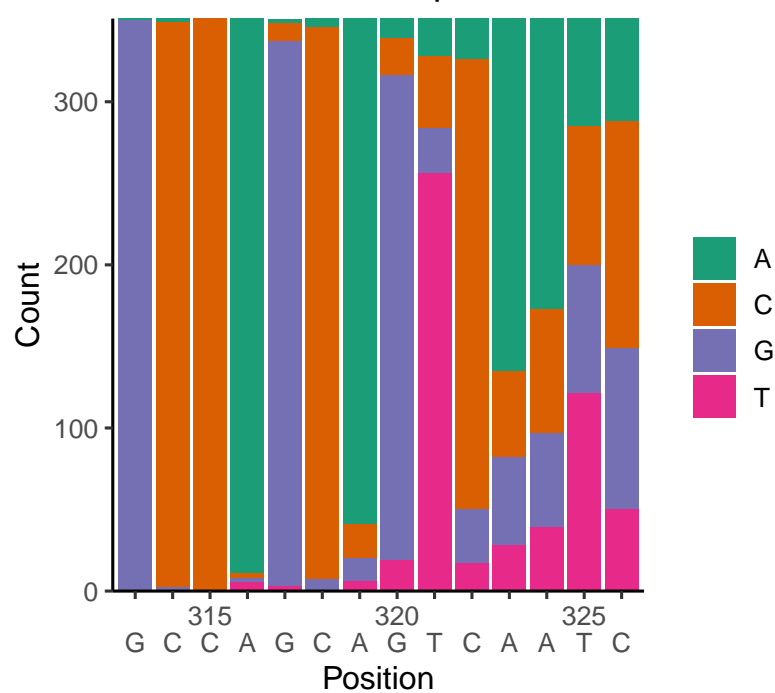
Gene TRBV7-7*ap01_C315T



Gene TRBV7-1*ap01_G291C_T296C



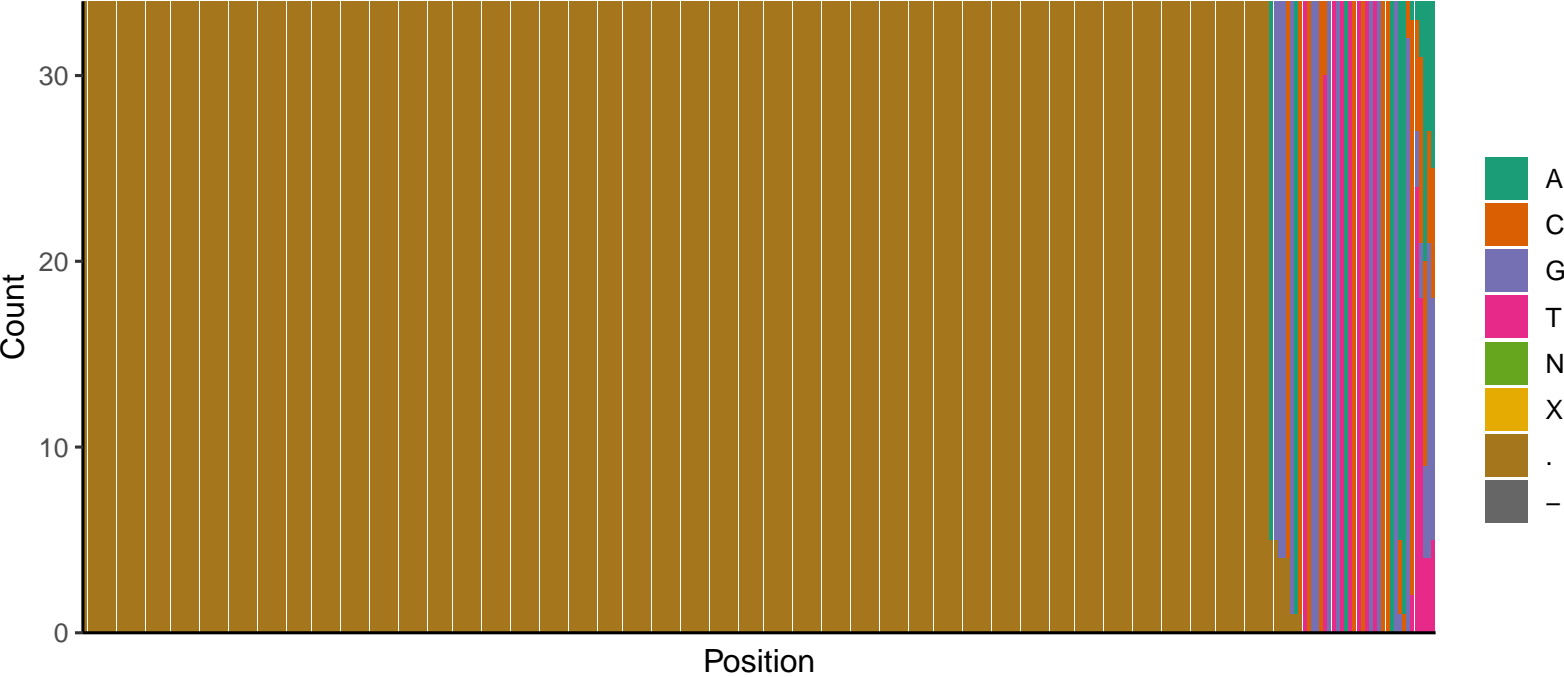
Gene TRBV23-1*ap01_T304C



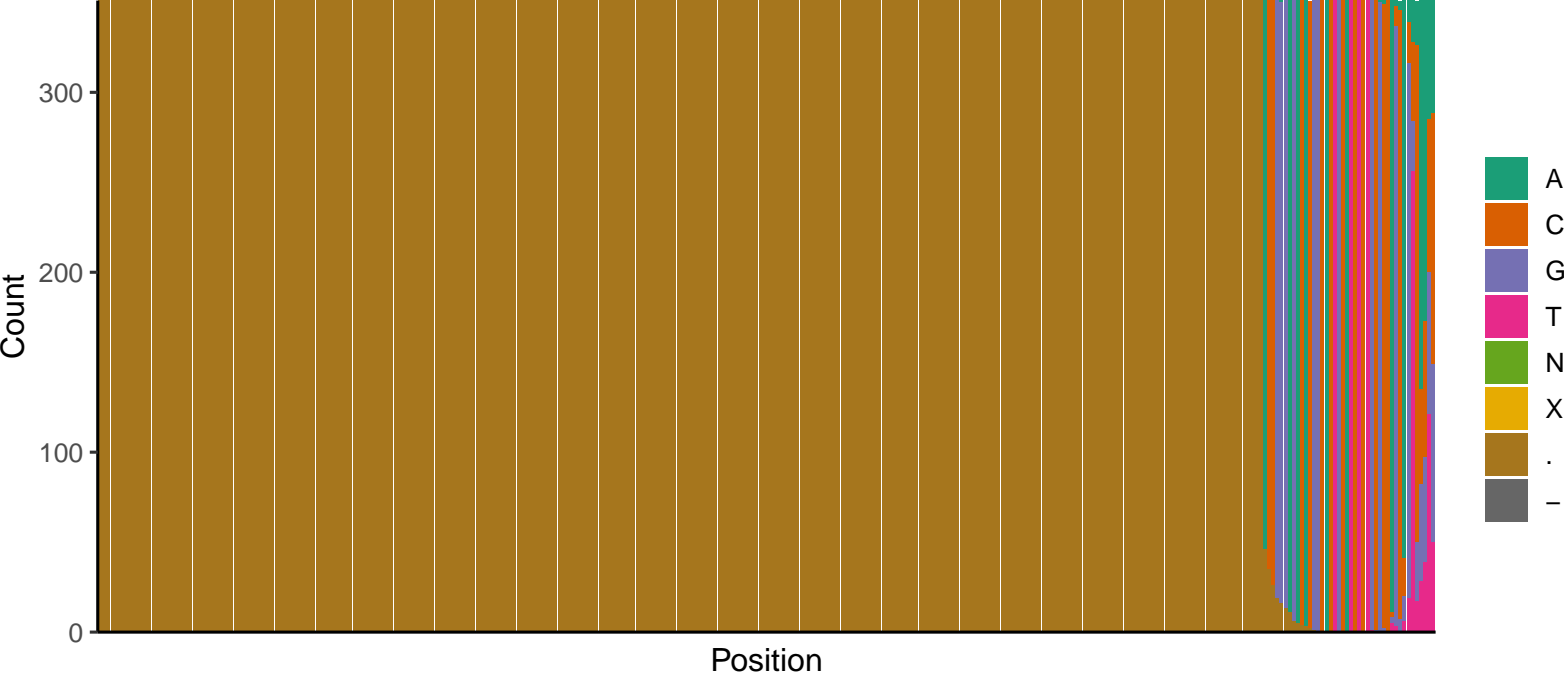
Gene TRBV7-1*ap01_G291C_T296C_C314T



Gene TRBV7-1*ap01_G291C_T296C



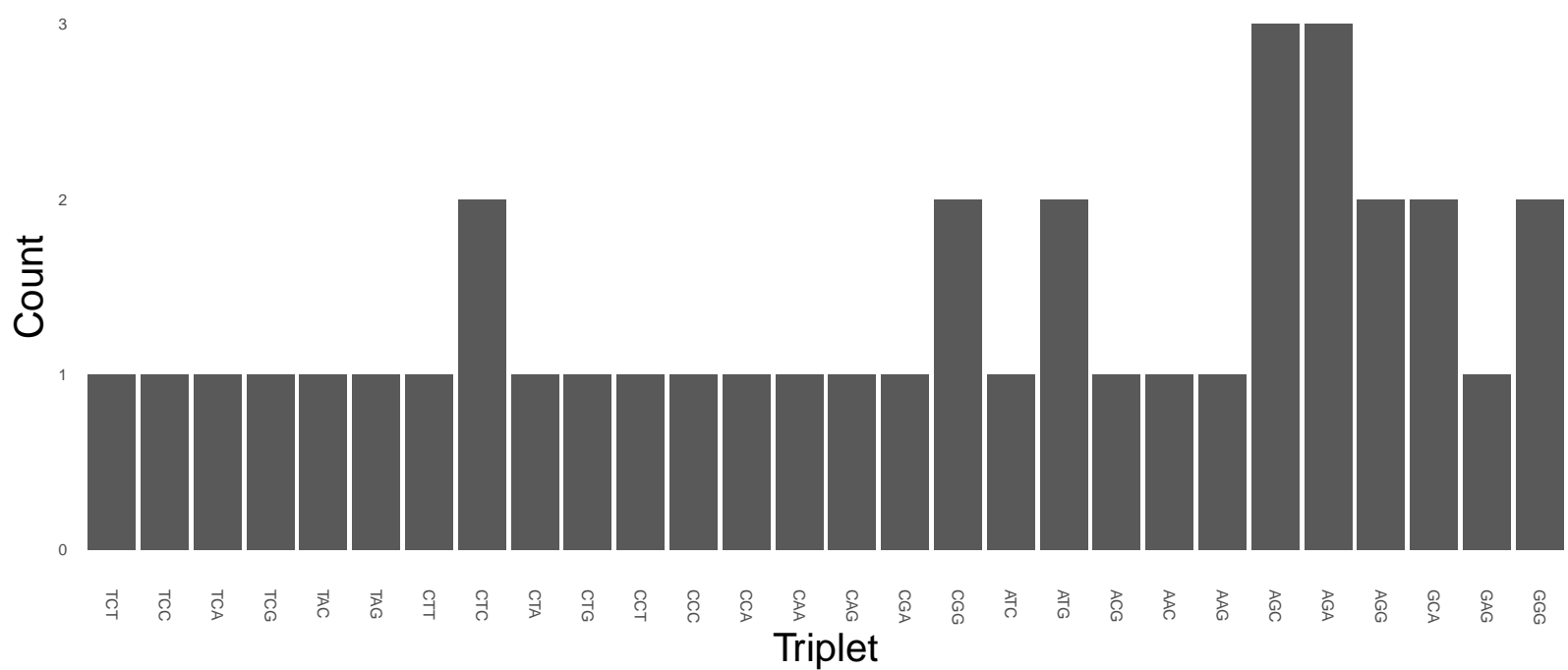
Gene TRBV23-1*ap01_T304C



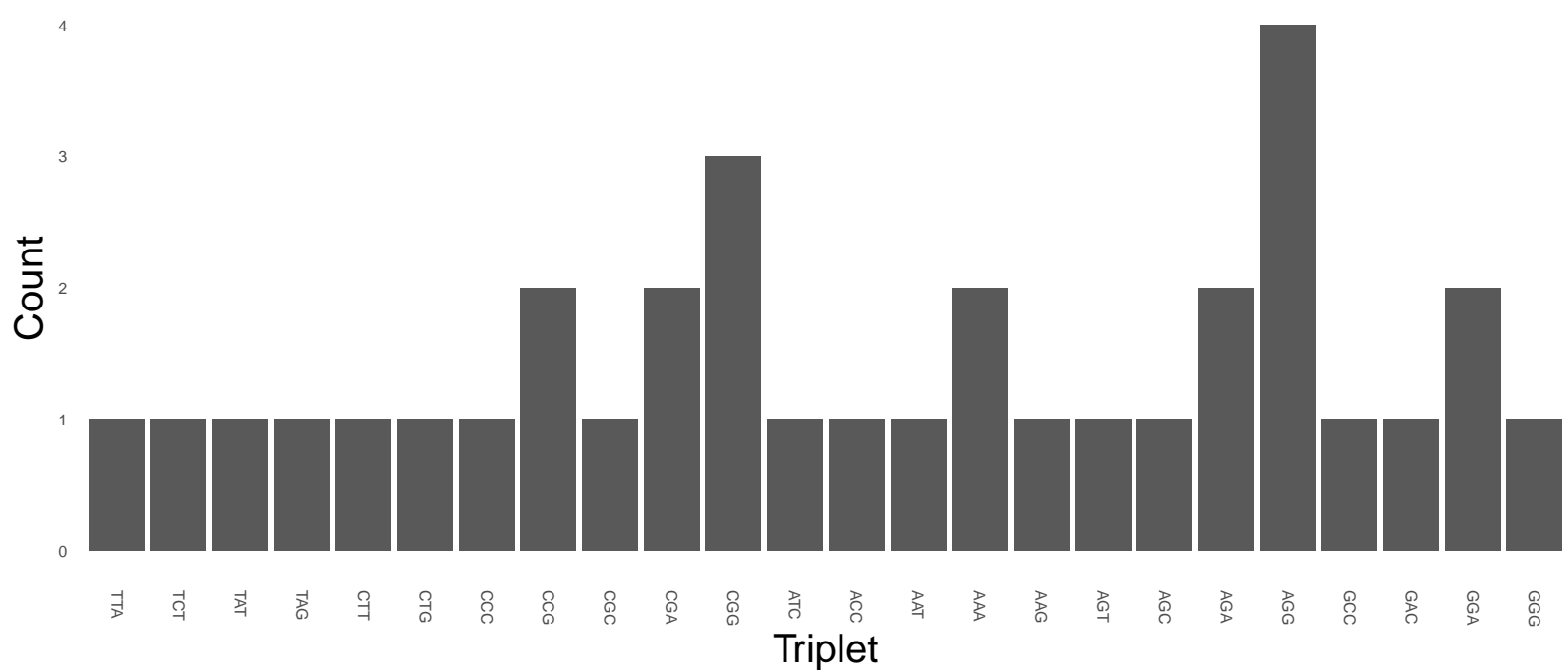
Gene TRBV7-7*ap01_C315T



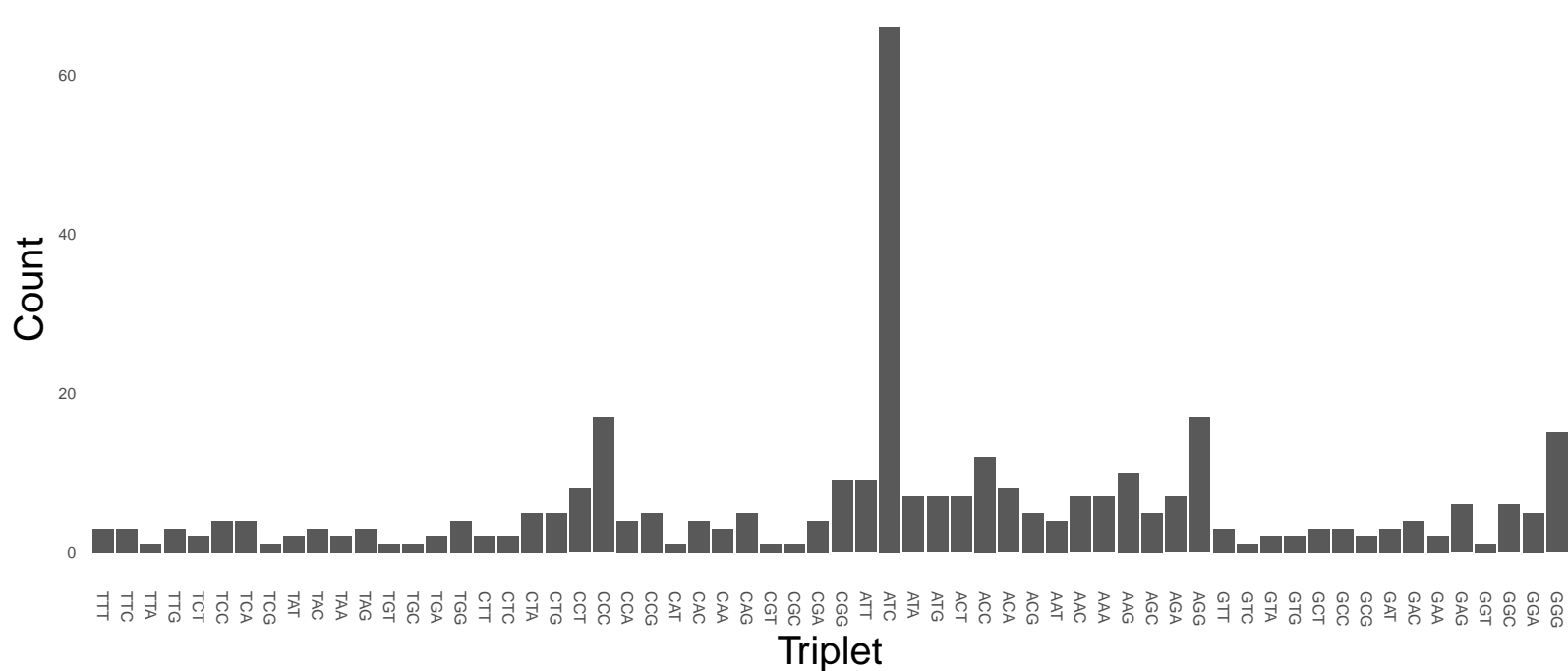
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



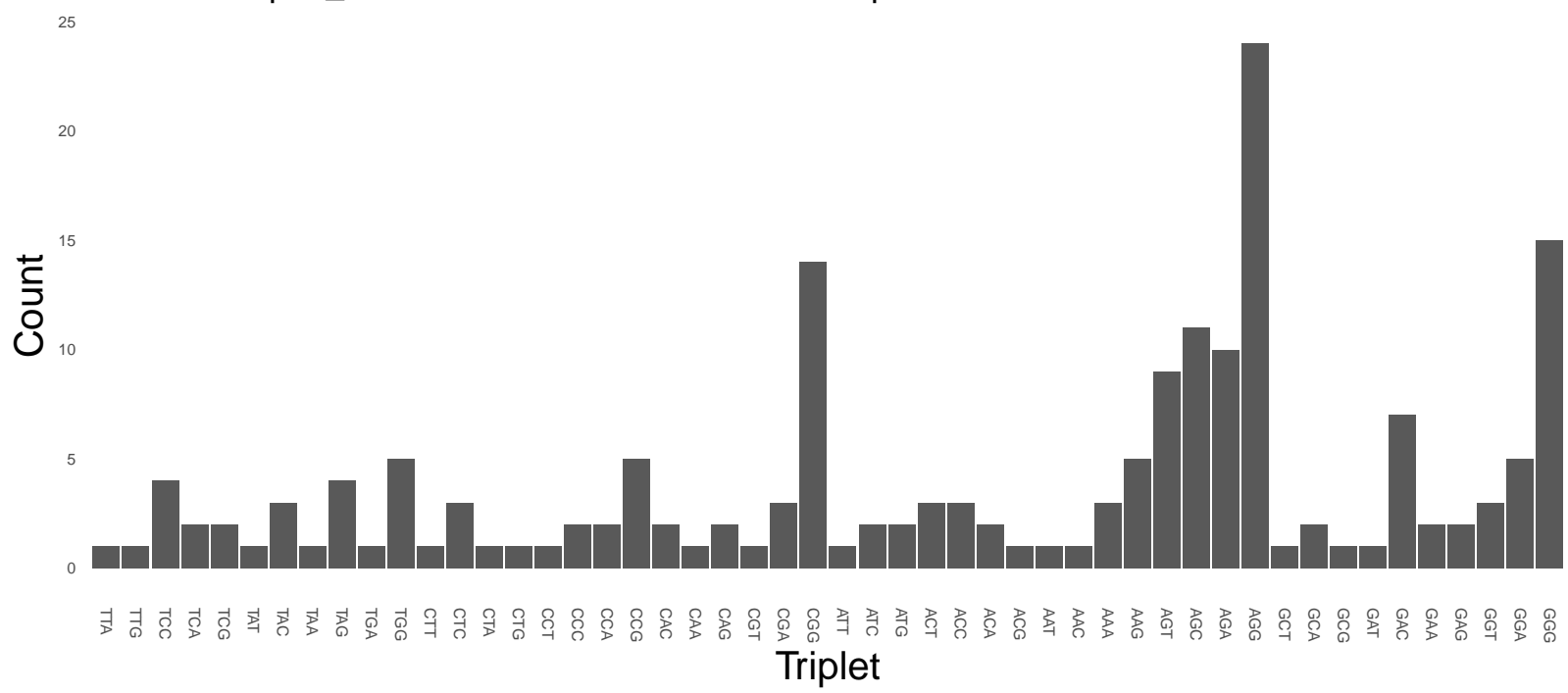
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



TRBV23-1*ap01_T304C- Final 3 nucleotides as a triplet

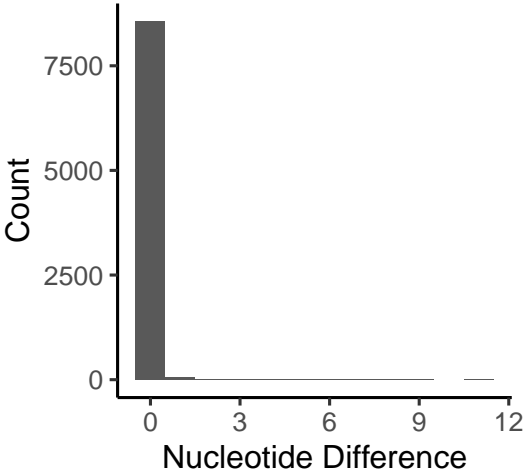


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



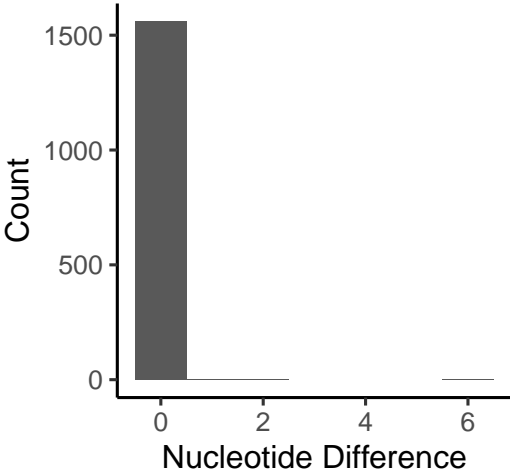
TRBV20-1*ap01

8625 sequences assigned
8560 (99.2%) exact matches, in which:
8536 unique CDR3
13 unique J



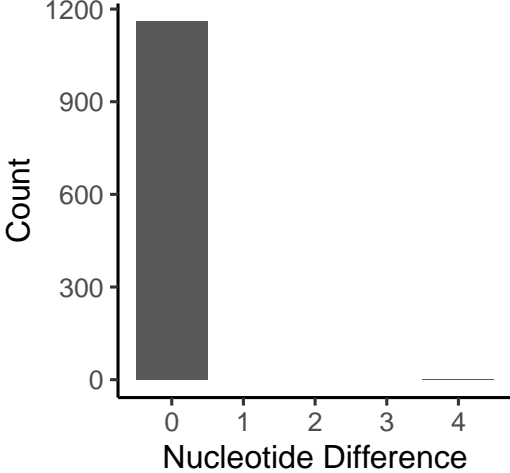
TRBV10-3*ap01

1565 sequences assigned
1560 (99.7%) exact matches, in which:
1558 unique CDR3
13 unique J



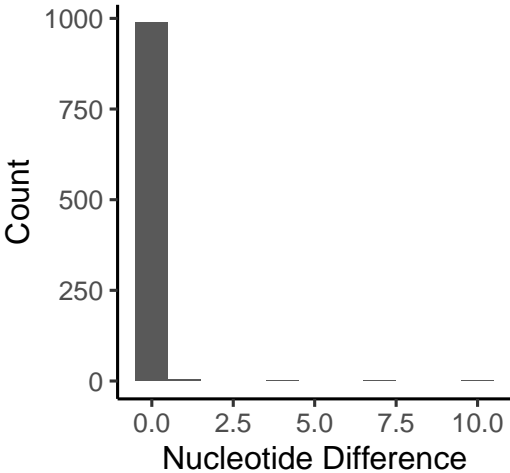
TRBV14*ap01

1161 sequences assigned
1160 (99.9%) exact matches, in which:
1160 unique CDR3
13 unique J



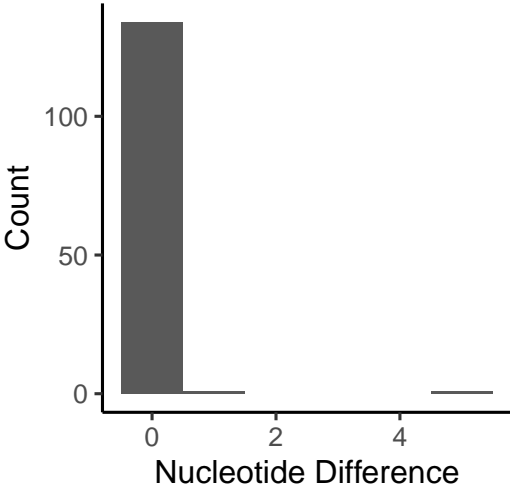
TRBV10-1*ap01

996 sequences assigned
988 (99.2%) exact matches, in which:
982 unique CDR3
13 unique J



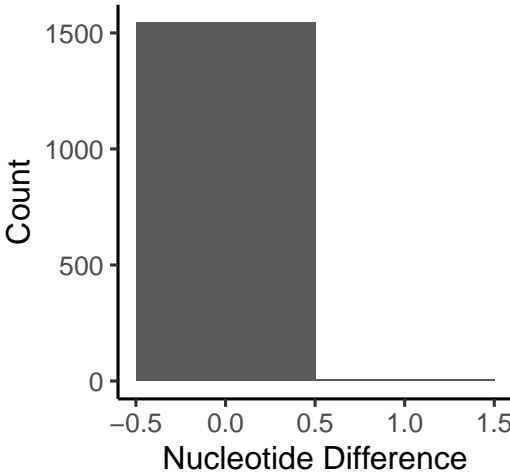
TRBV1*ap01

136 sequences assigned
134 (98.5%) exact matches, in which:
134 unique CDR3
12 unique J



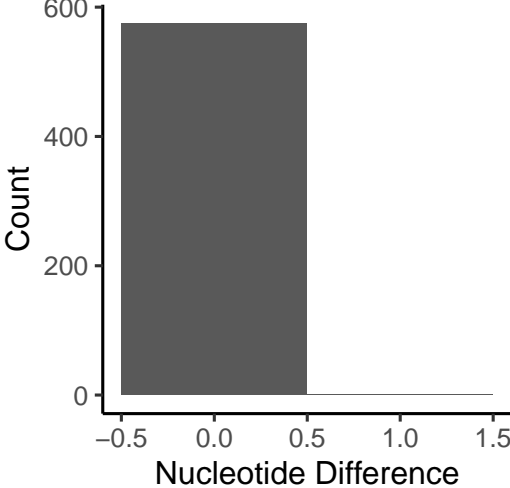
TRBV15*ap02

1549 sequences assigned
1544 (99.7%) exact matches, in which:
1536 unique CDR3
12 unique J



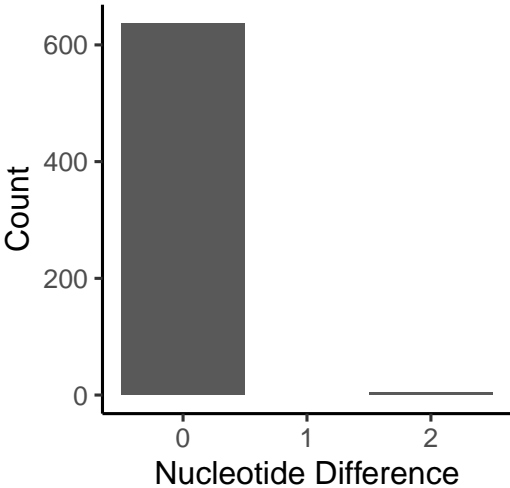
TRBV10-2*ap01

576 sequences assigned
575 (99.8%) exact matches, in which:
575 unique CDR3
13 unique J



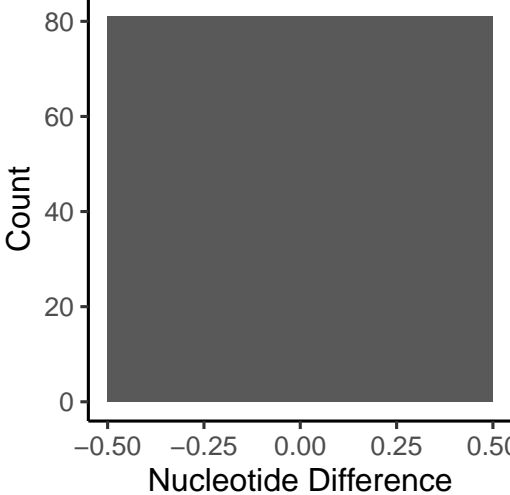
TRBV13*ap01

642 sequences assigned
637 (99.2%) exact matches, in which:
634 unique CDR3
12 unique J



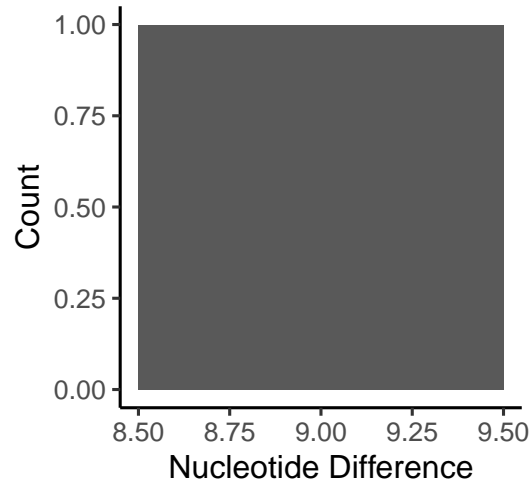
TRBV16*ap01

81 sequences assigned
81 (100%) exact matches, in which:
81 unique CDR3
12 unique J



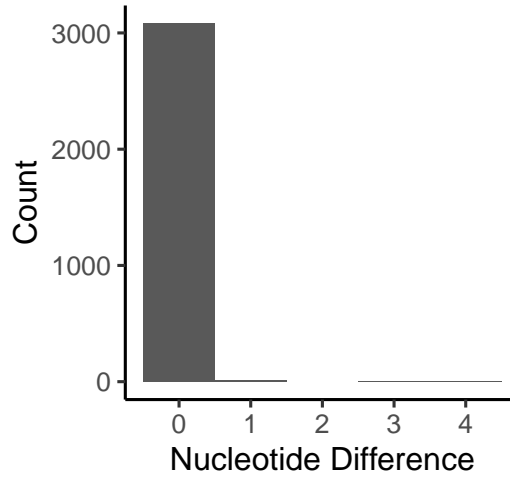
TRBV17*ap01

1 sequences assigned
No exact matches.



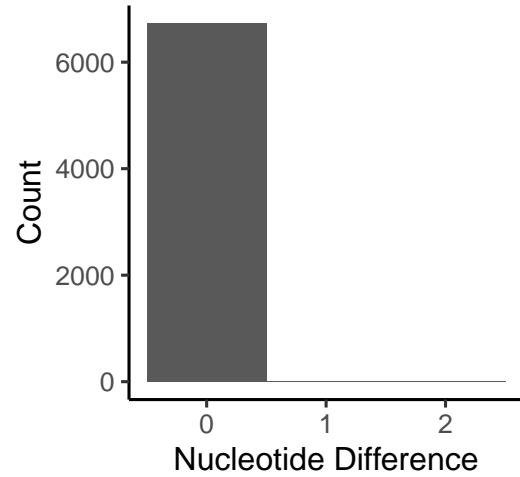
TRBV2*ap01

3095 sequences assigned
3082 (99.6%) exact matches, in which:
3078 unique CDR3
12 unique J



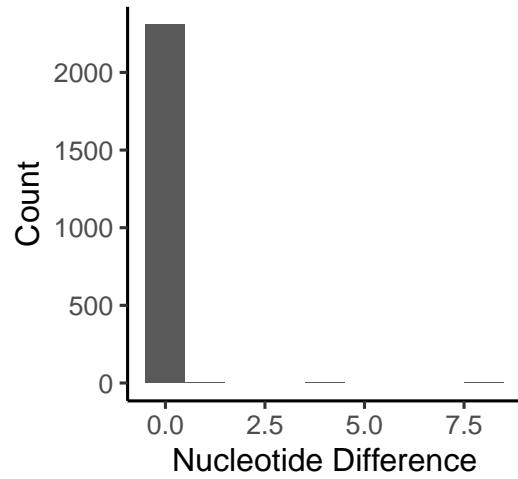
TRBV28*ap01

6744 sequences assigned
6728 (99.8%) exact matches, in which:
6717 unique CDR3
13 unique J



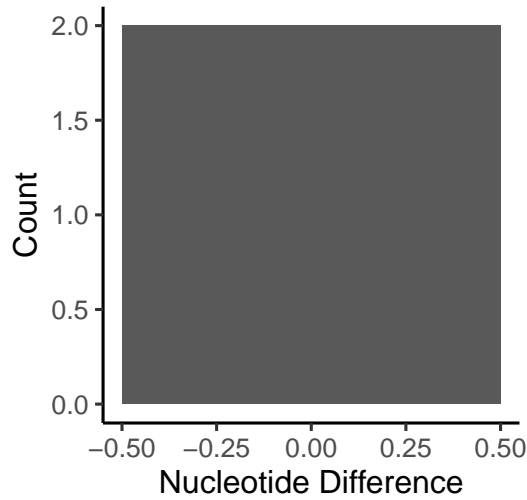
TRBV18*ap01

2311 sequences assigned
2307 (99.8%) exact matches, in which:
2303 unique CDR3
13 unique J



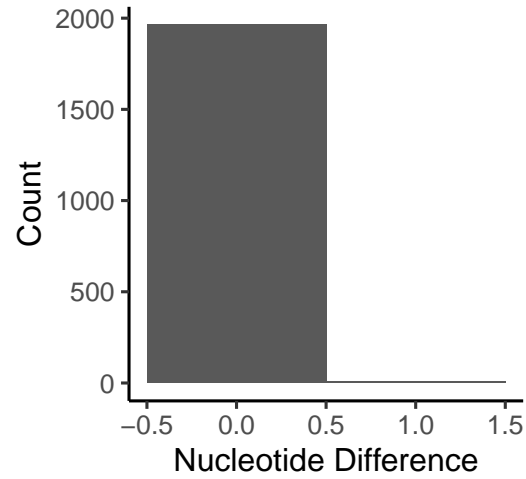
TRBV26*ap01

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



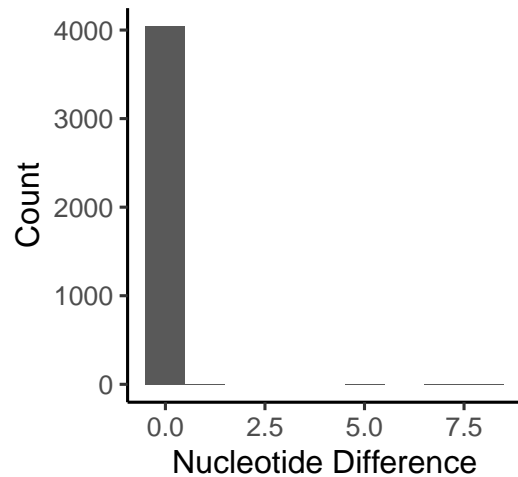
TRBV30*ap01

1974 sequences assigned
1964 (99.5%) exact matches, in which:
1963 unique CDR3
13 unique J



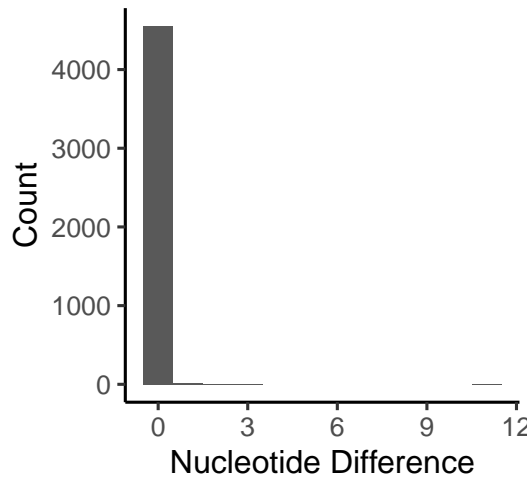
TRBV19*ap01

4056 sequences assigned
4045 (99.7%) exact matches, in which:
4042 unique CDR3
13 unique J



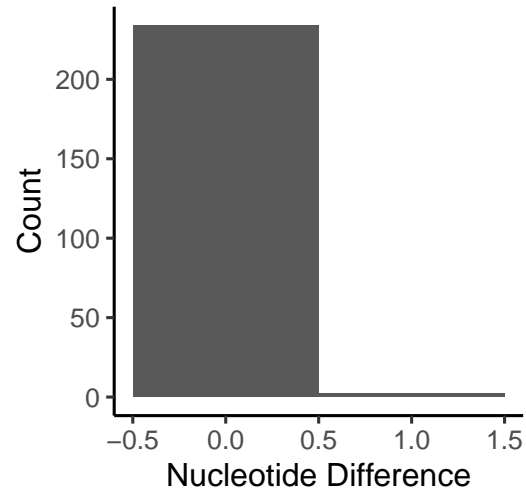
TRBV27*ap01

4572 sequences assigned
4553 (99.6%) exact matches, in which:
4550 unique CDR3
13 unique J



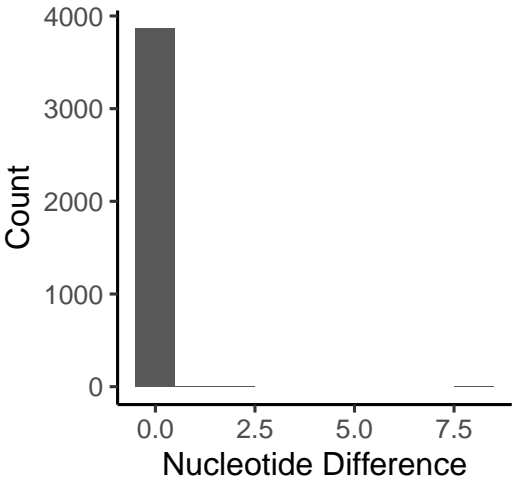
TRBV30*ap03

236 sequences assigned
234 (99.2%) exact matches, in which:
232 unique CDR3
12 unique J



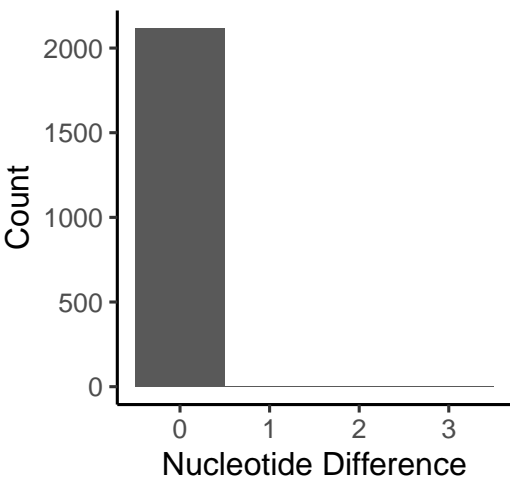
TRBV9*ap01

3877 sequences assigned
3866 (99.7%) exact matches, in which:
3846 unique CDR3
13 unique J



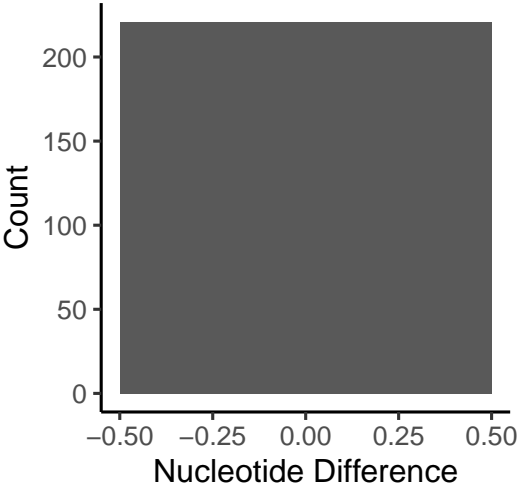
TRBV11-2*ap01

2123 sequences assigned
2116 (99.7%) exact matches, in which:
2110 unique CDR3
13 unique J



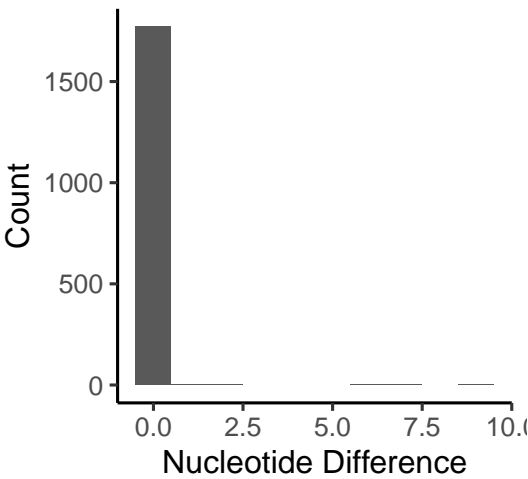
TRBV12-2*ap01

221 sequences assigned
221 (100%) exact matches, in which:
220 unique CDR3
12 unique J



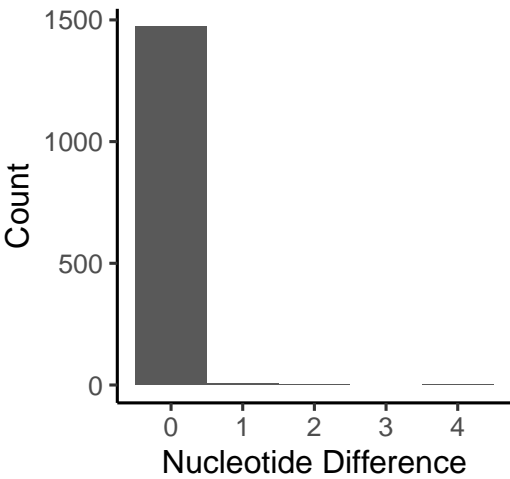
TRBV21-1*ap01

1783 sequences assigned
1771 (99.3%) exact matches, in which:
1771 unique CDR3
13 unique J



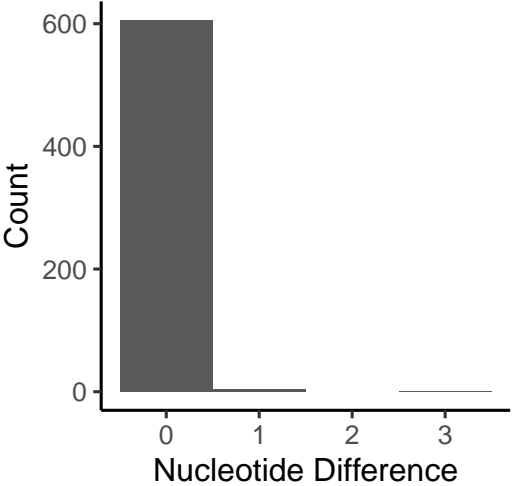
TRBV11-3*ap01

1479 sequences assigned
1472 (99.5%) exact matches, in which:
1472 unique CDR3
12 unique J



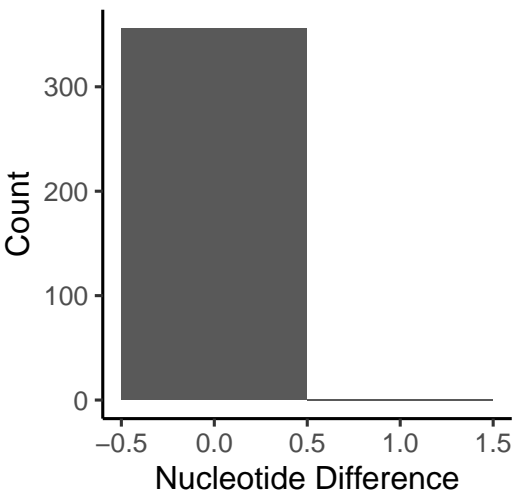
TRBV12-5*ap01

611 sequences assigned
606 (99.2%) exact matches, in which:
606 unique CDR3
13 unique J



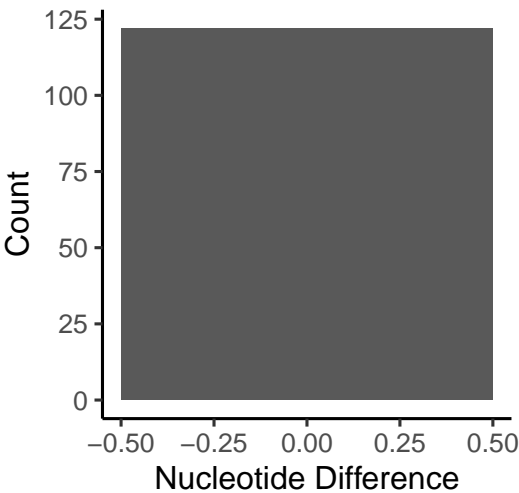
TRBV11-1*ap01

357 sequences assigned
356 (99.7%) exact matches, in which:
354 unique CDR3
12 unique J



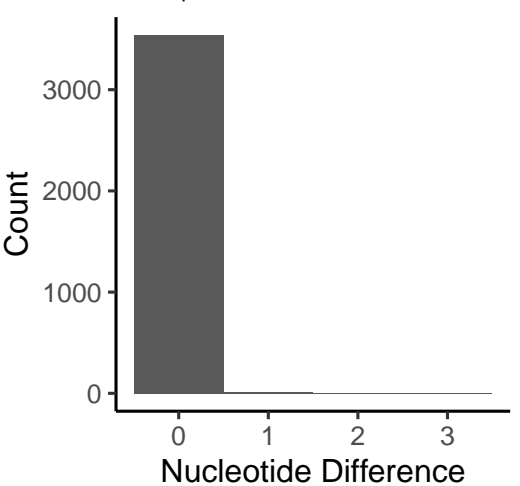
TRBV12-1*ap01

122 sequences assigned
122 (100%) exact matches, in which:
122 unique CDR3
11 unique J



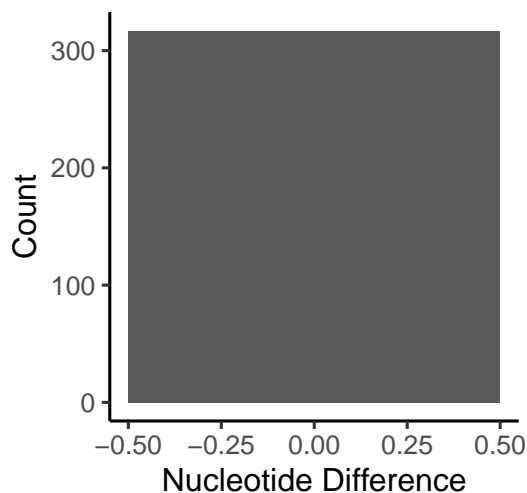
TRBV12-34*ap01

3559 sequences assigned
3540 (99.5%) exact matches, in which:
3531 unique CDR3
13 unique J



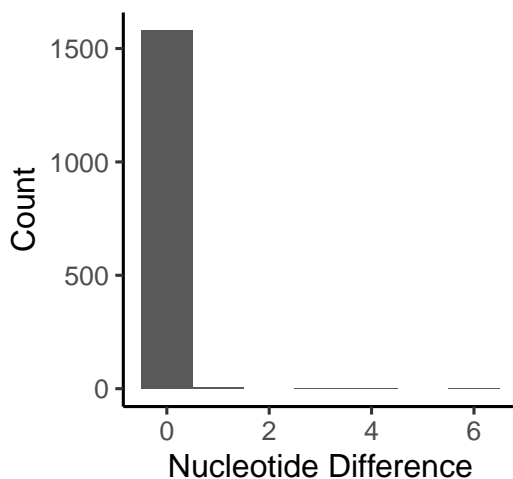
TRBV23–1*ap01

317 sequences assigned
317 (100%) exact matches, in which:
316 unique CDR3
12 unique J



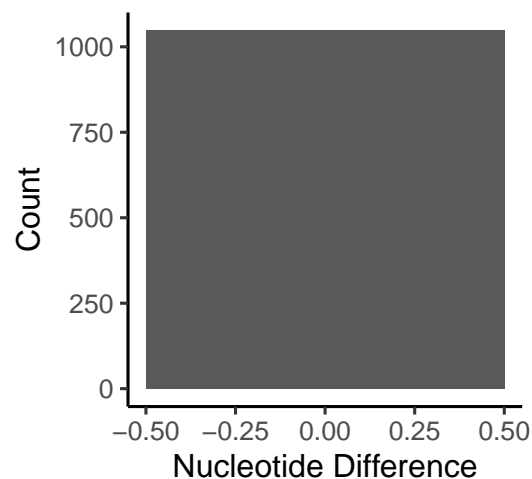
TRBV4–1*ap01

1591 sequences assigned
1580 (99.3%) exact matches, in which:
1574 unique CDR3
13 unique J



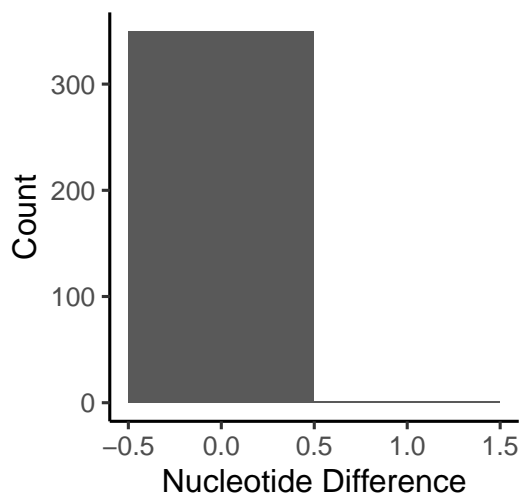
TRBV4–3*ap01

1048 sequences assigned
1048 (100%) exact matches, in which:
1047 unique CDR3
13 unique J



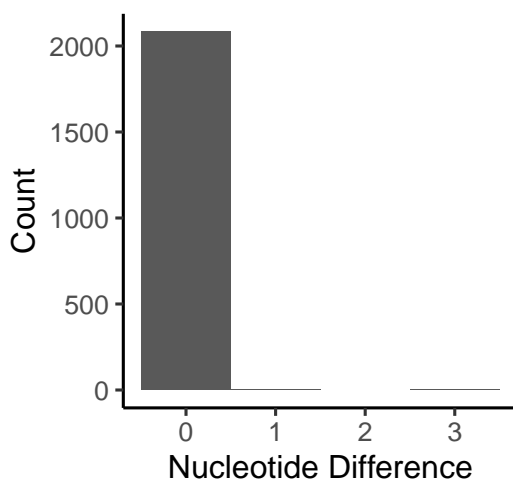
TRBV23–1*ap01_T304C

351 sequences assigned
350 (99.7%) exact matches, in which:
350 unique CDR3
12 unique J



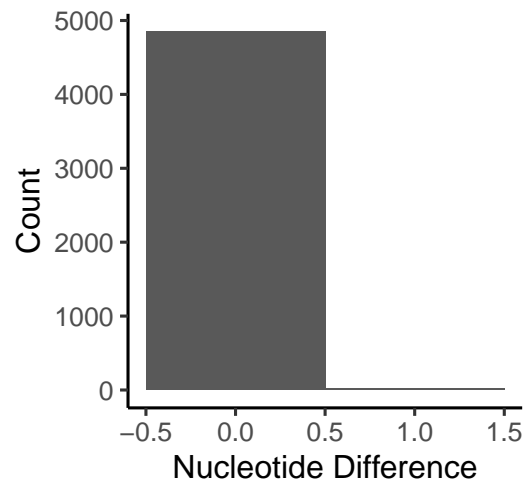
TRBV24–1*ap01

2087 sequences assigned
2083 (99.8%) exact matches, in which:
2081 unique CDR3
12 unique J



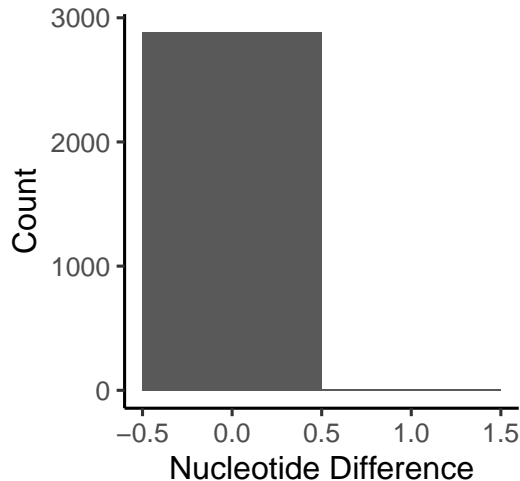
TRBV5–1*ap01

4867 sequences assigned
4848 (99.6%) exact matches, in which:
4825 unique CDR3
13 unique J



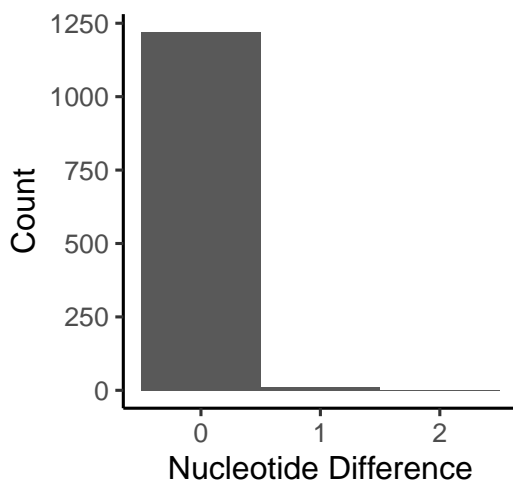
TRBV3–12*ap01

2896 sequences assigned
2885 (99.6%) exact matches, in which:
2881 unique CDR3
13 unique J



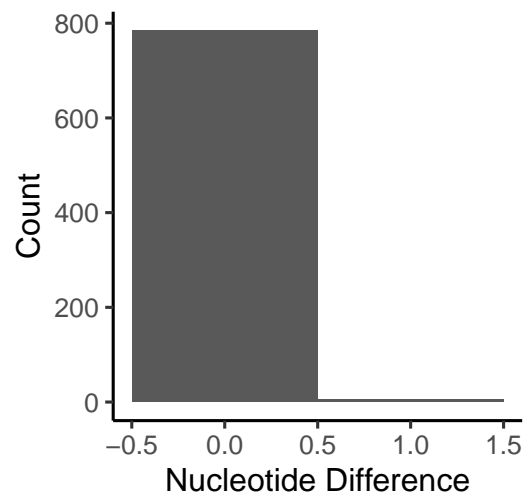
TRBV4–2*ap01

1232 sequences assigned
1220 (99%) exact matches, in which:
1217 unique CDR3
13 unique J



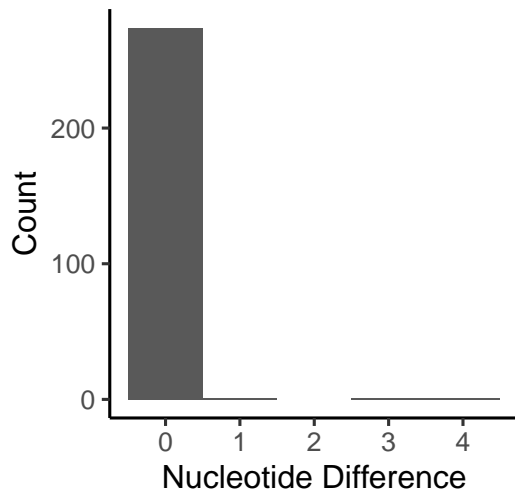
TRBV25–1*ap01

791 sequences assigned
785 (99.2%) exact matches, in which:
784 unique CDR3
12 unique J



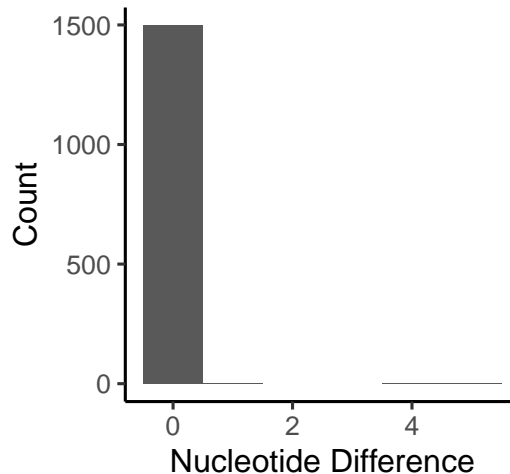
TRBV5-3*ap01

277 sequences assigned
274 (98.9%) exact matches, in which:
273 unique CDR3
13 unique J



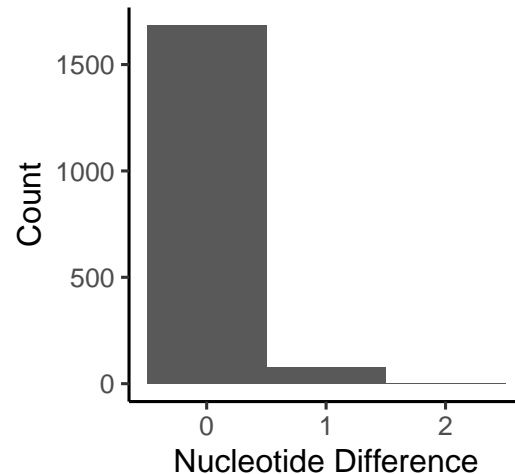
TRBV5-6*ap01

1504 sequences assigned
1498 (99.6%) exact matches, in which:
1496 unique CDR3
13 unique J



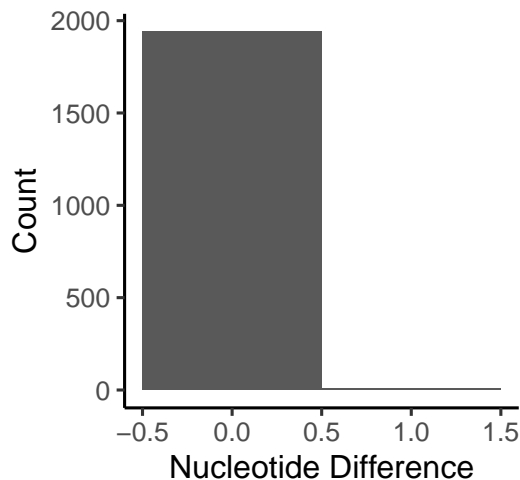
TRBV6-1*ap01

1764 sequences assigned
1684 (95.5%) exact matches, in which:
1679 unique CDR3
13 unique J



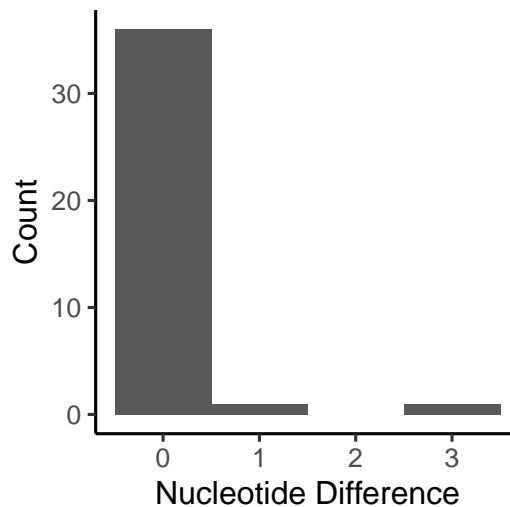
TRBV5-4*ap01

1947 sequences assigned
1940 (99.6%) exact matches, in which:
1936 unique CDR3
13 unique J



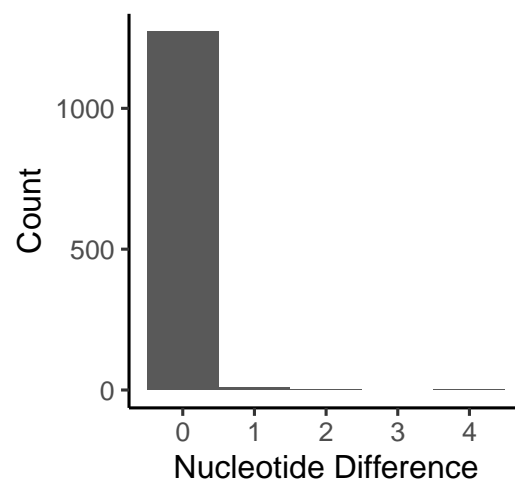
TRBV5-7*ap01

38 sequences assigned
36 (94.7%) exact matches, in which:
36 unique CDR3
10 unique J



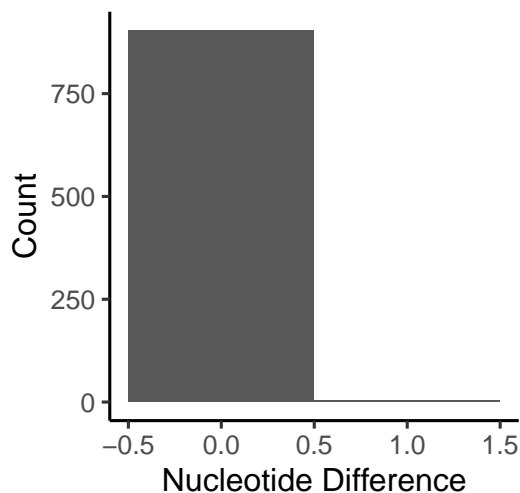
TRBV6-4*ap01

1286 sequences assigned
1272 (98.9%) exact matches, in which:
1269 unique CDR3
13 unique J



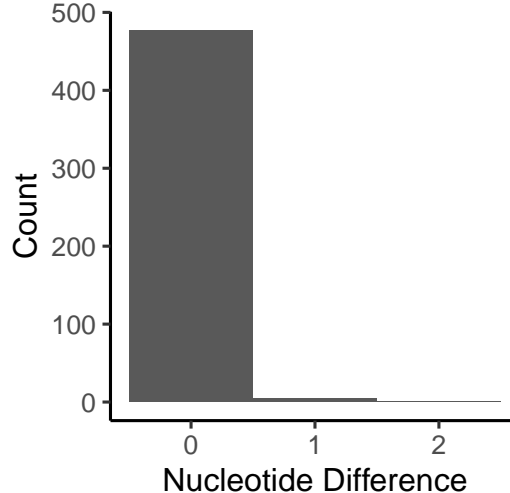
TRBV5-5*ap01

907 sequences assigned
904 (99.7%) exact matches, in which:
902 unique CDR3
12 unique J



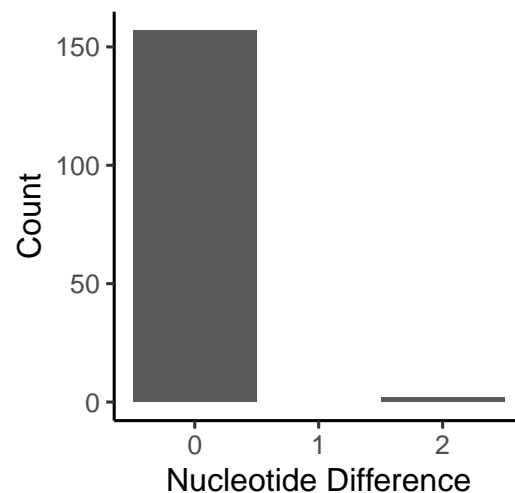
TRBV5-8*ap01

482 sequences assigned
477 (99%) exact matches, in which:
477 unique CDR3
12 unique J



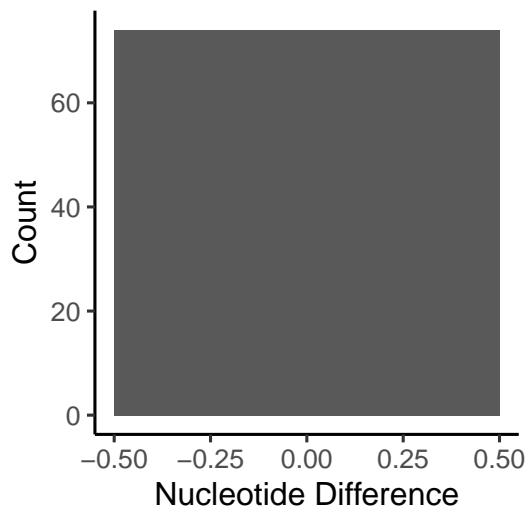
TRBV6-7*ap01

159 sequences assigned
157 (98.7%) exact matches, in which:
156 unique CDR3
12 unique J



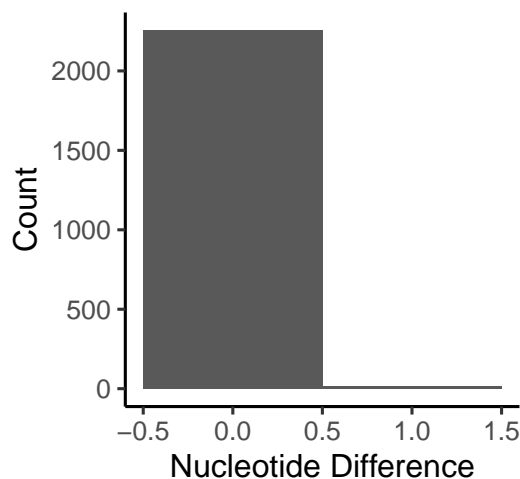
TRBV6–8*ap01

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



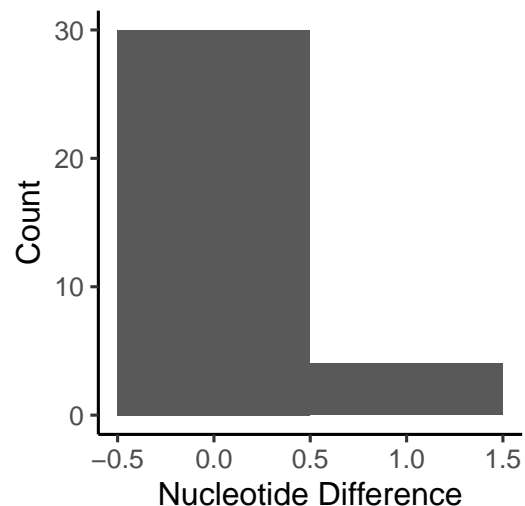
TRBV6–56*ap01

2272 sequences assigned
2255 (99.3%) exact matches, in which:
2250 unique CDR3
13 unique J



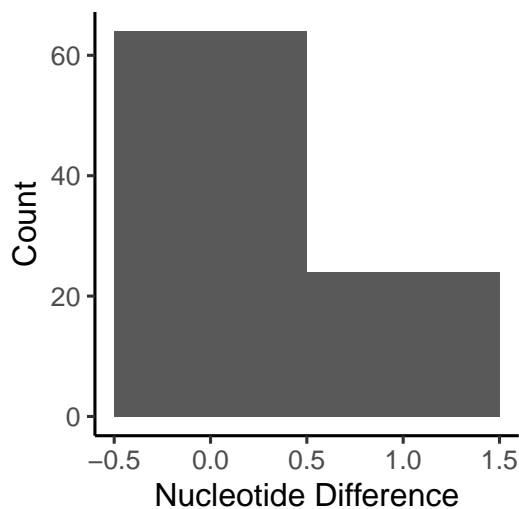
TRBV7–1*ap01_G291C_T

34 sequences assigned
30 (88.2%) exact matches, in which:
30 unique CDR3
8 unique J



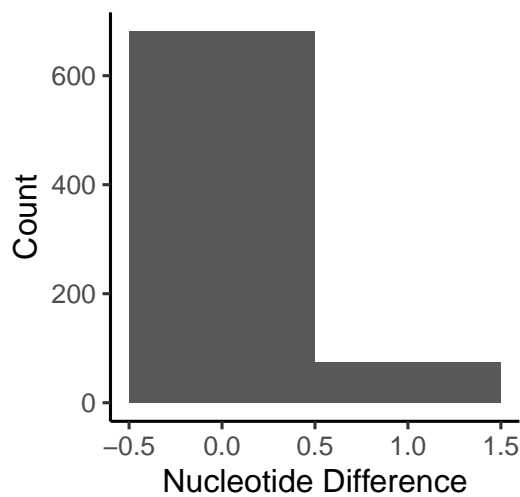
TRBV6–9*ap01

88 sequences assigned
64 (72.7%) exact matches, in which:
64 unique CDR3
10 unique J



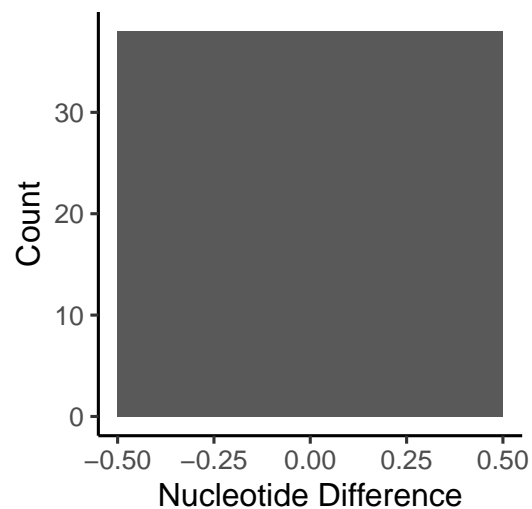
TRBV6–56*ap02

757 sequences assigned
682 (90.1%) exact matches, in which:
681 unique CDR3
12 unique J



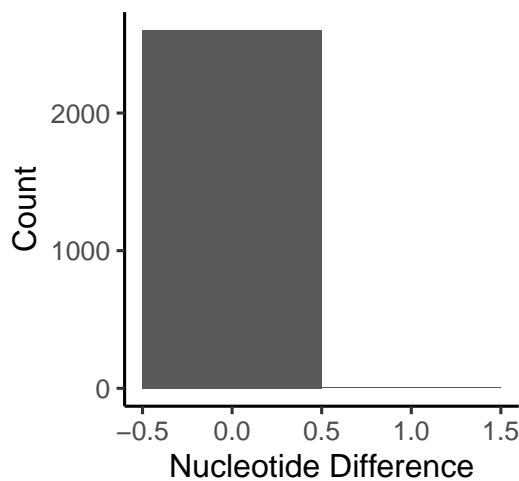
TRBV7–1*ap01_G291C_T

38 sequences assigned
38 (100%) exact matches, in which:
38 unique CDR3
10 unique J



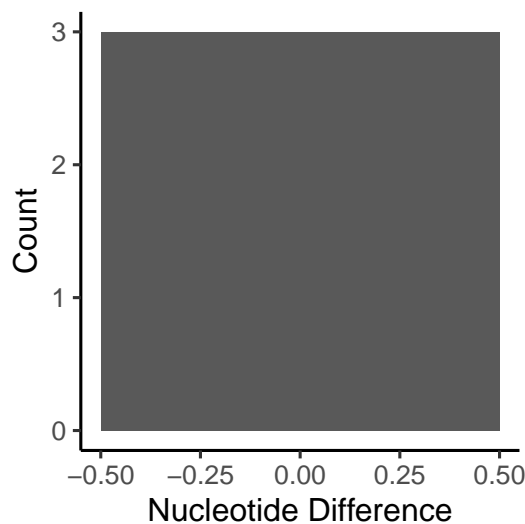
TRBV6–23*ap01

2609 sequences assigned
2603 (99.8%) exact matches, in which:
2597 unique CDR3
12 unique J



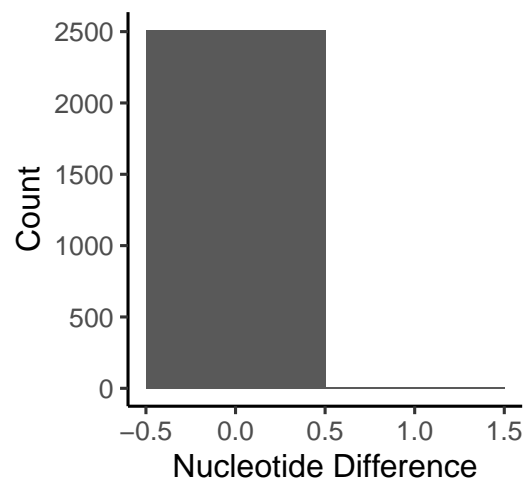
TRBV7–1*ap01

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



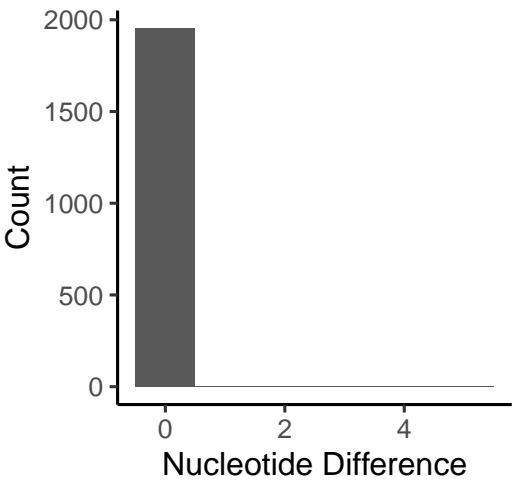
TRBV7–2*ap01

2520 sequences assigned
2511 (99.6%) exact matches, in which:
2501 unique CDR3
13 unique J



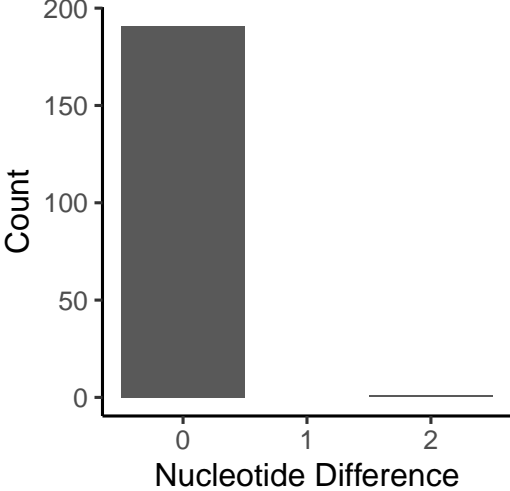
TRBV7-3*ap01

1964 sequences assigned
1953 (99.4%) exact matches, in which:
1945 unique CDR3
13 unique J



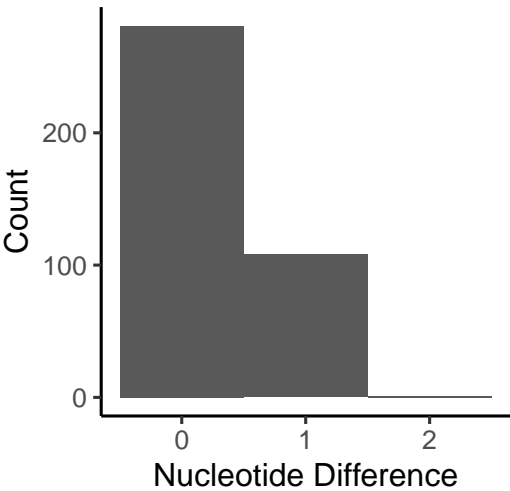
TRBV7-7*ap01

192 sequences assigned
191 (99.5%) exact matches, in which:
190 unique CDR3
12 unique J



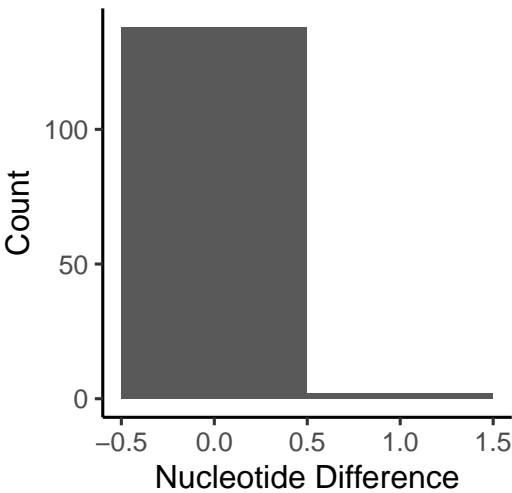
TRBV7-8*ap03

390 sequences assigned
281 (72.1%) exact matches, in which:
281 unique CDR3
13 unique J



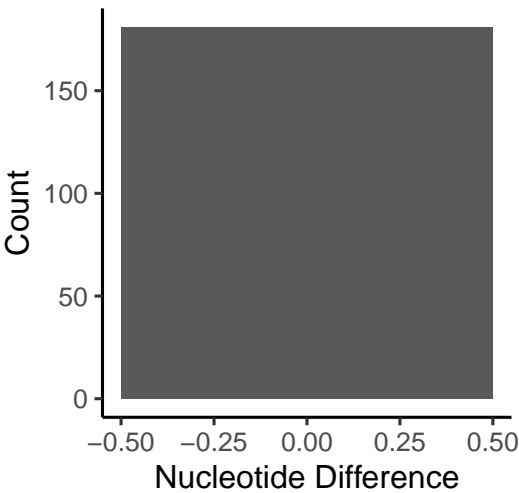
TRBV7-4*ap01

140 sequences assigned
138 (98.6%) exact matches, in which:
137 unique CDR3
12 unique J



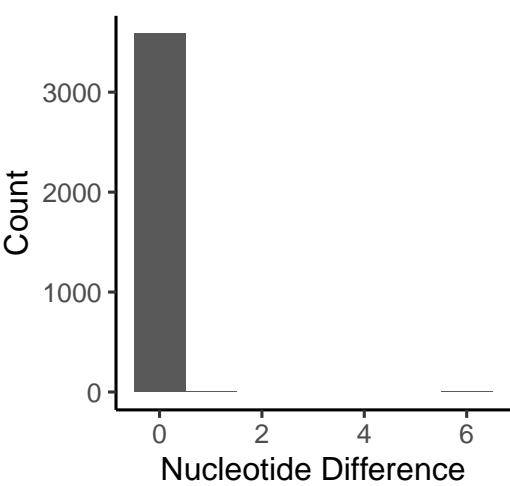
TRBV7-7*ap01_C315T

181 sequences assigned
181 (100%) exact matches, in which:
181 unique CDR3
12 unique J



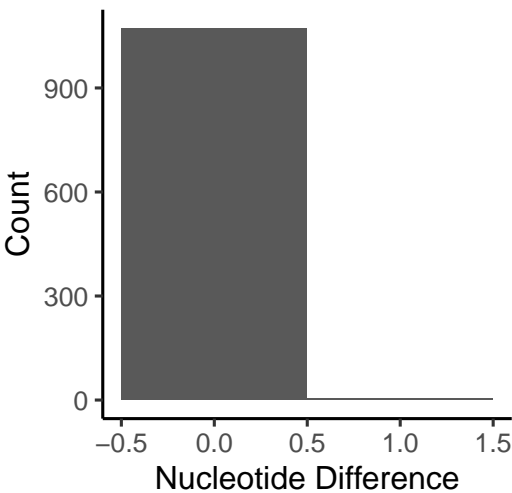
TRBV7-9*ap01

3594 sequences assigned
3585 (99.7%) exact matches, in which:
3581 unique CDR3
13 unique J



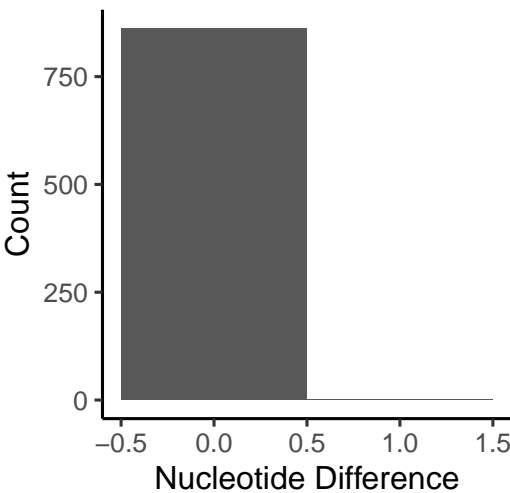
TRBV7-6*ap01

1077 sequences assigned
1072 (99.5%) exact matches, in which:
1068 unique CDR3
13 unique J



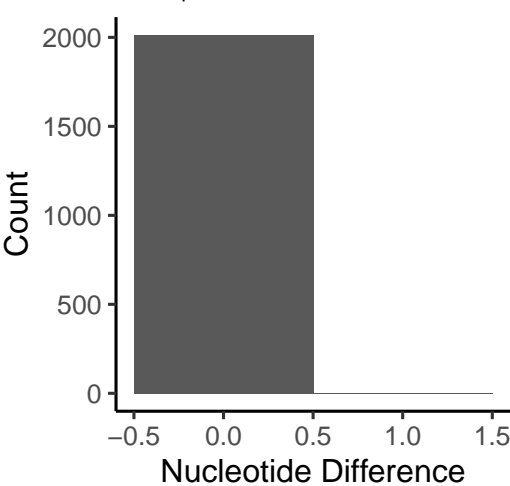
TRBV7-8*ap01

864 sequences assigned
862 (99.8%) exact matches, in which:
859 unique CDR3
13 unique J



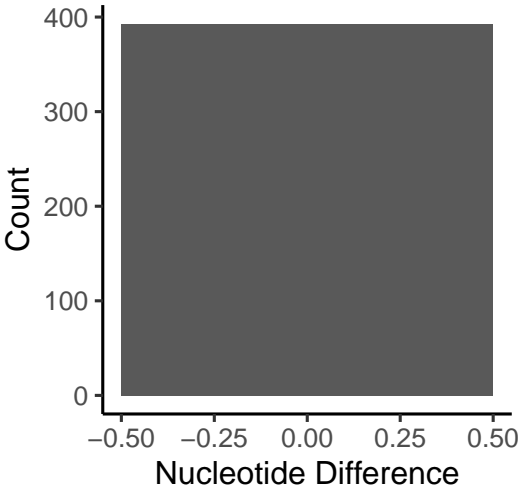
TRBV29-1*ap01

2014 sequences assigned
2013 (100%) exact matches, in which:
2006 unique CDR3
12 unique J

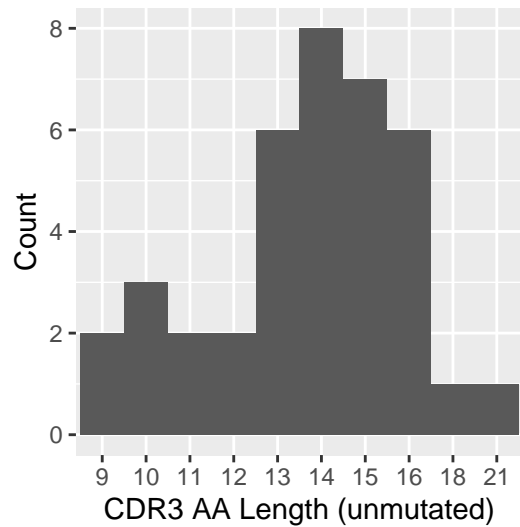


TRBV29-1*ap02

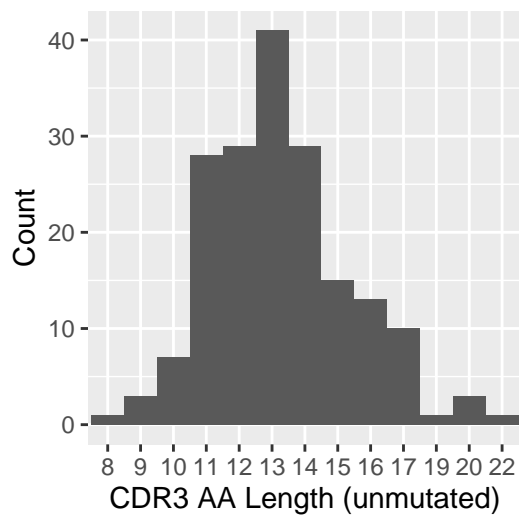
393 sequences assigned
393 (100%) exact matches, in which:
393 unique CDR3
12 unique J



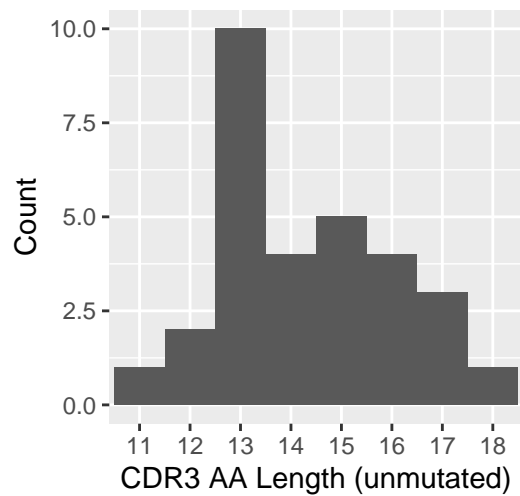
TRBV7-1*ap01_G291C_T296



TRBV7-7*ap01_C315T



TRBV7-1*ap01_G291C_T296C



TRBV23-1*ap01_T304C

