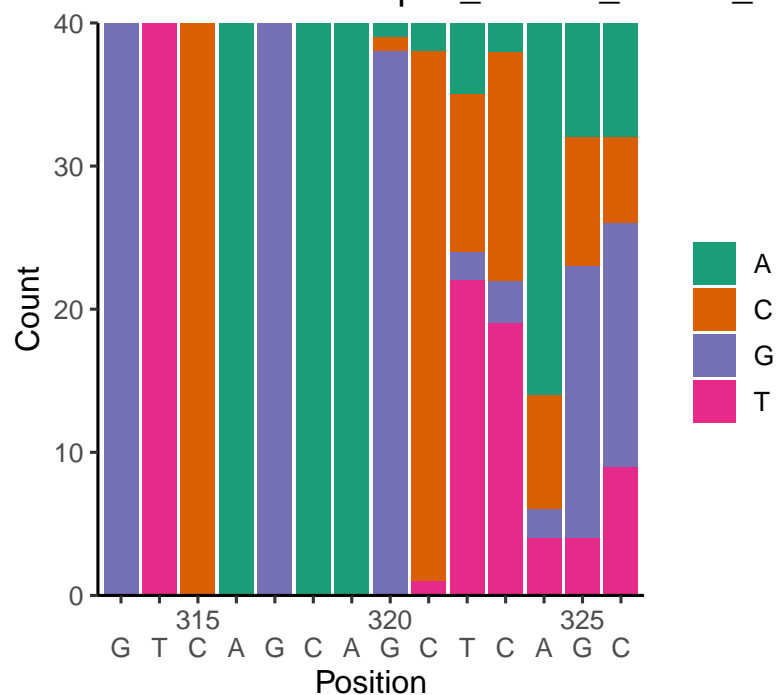
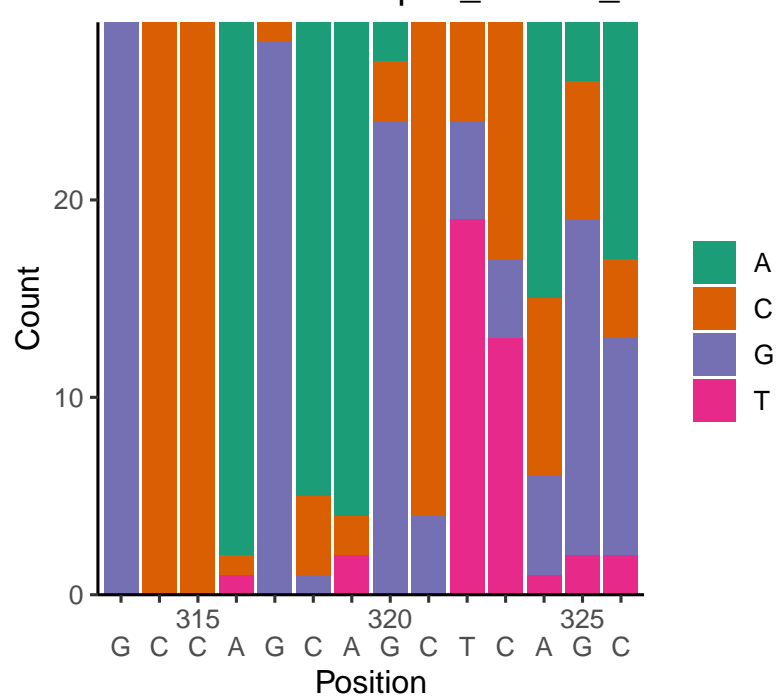


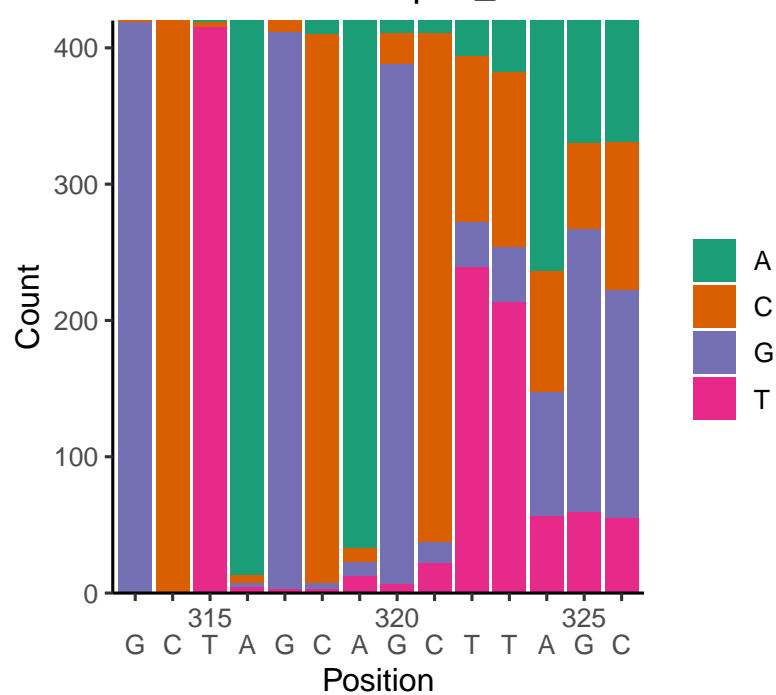
Gene TRBV7-1*ap01_G291C_T296C_C314T



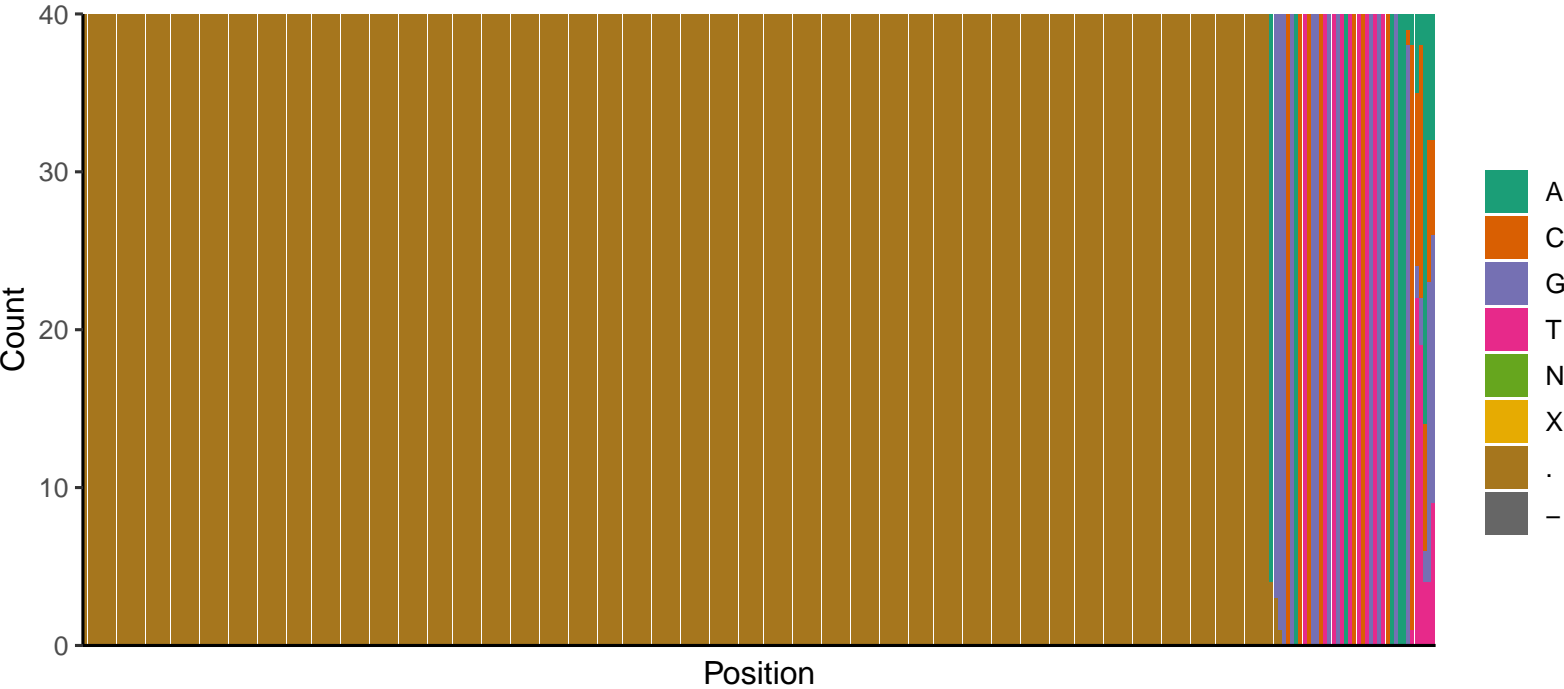
Gene TRBV7-1*ap01_G291C_T296C



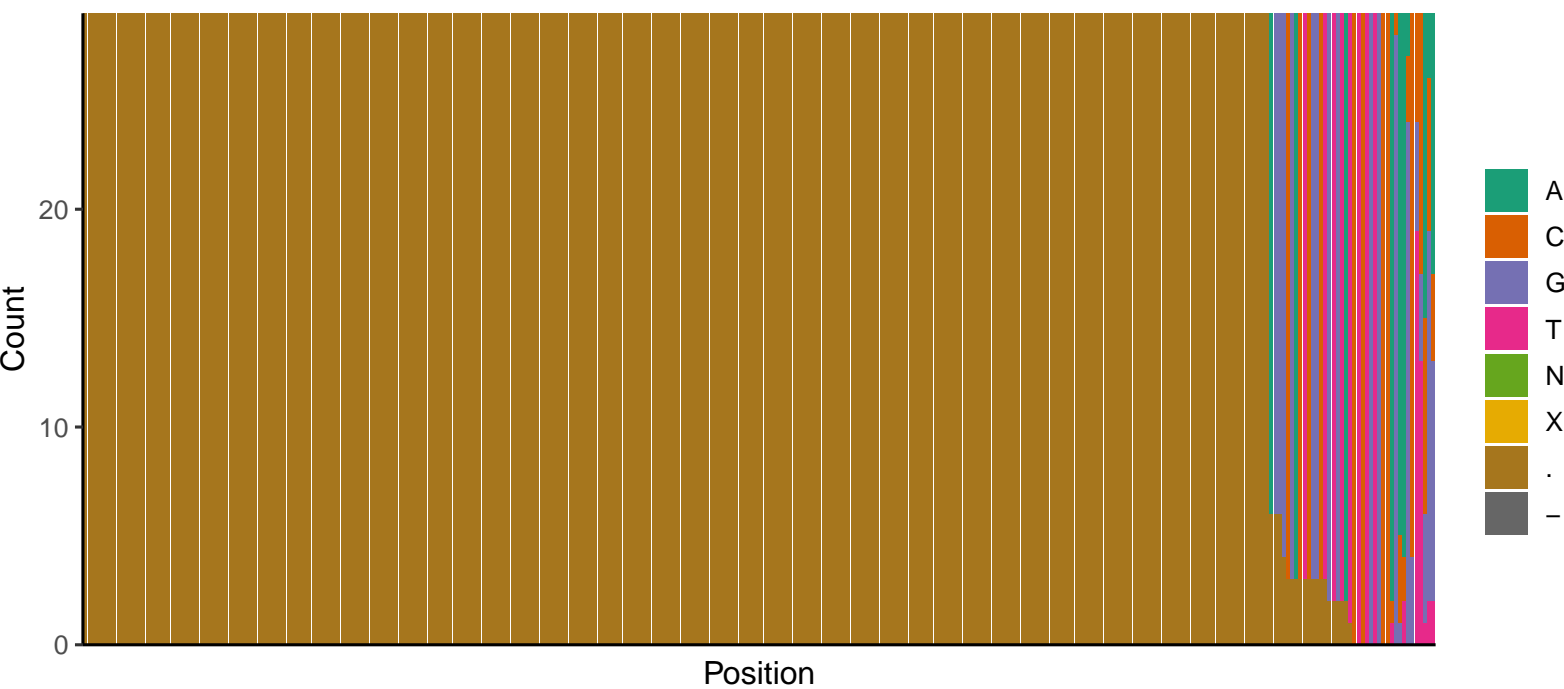
Gene TRBV7-7*ap01_C315T



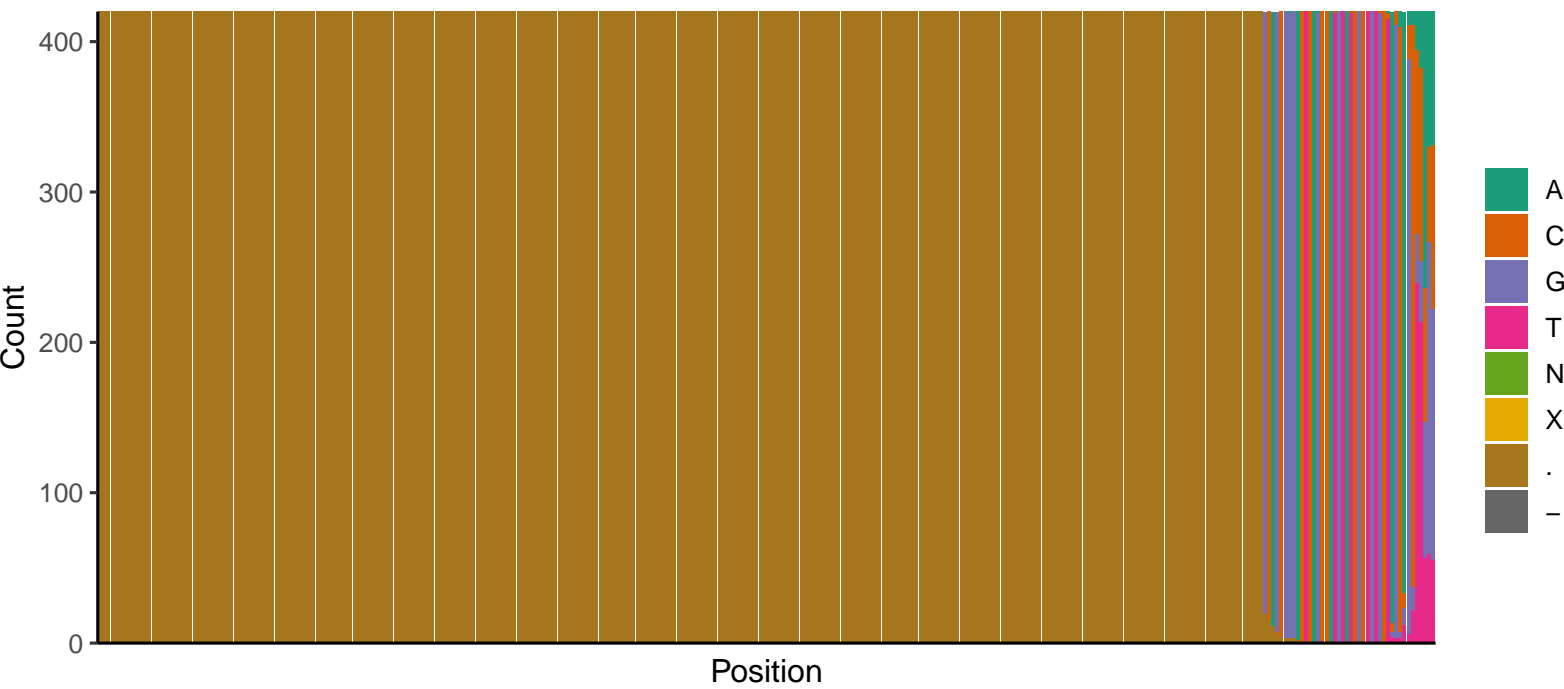
Gene TRBV7-1*ap01_G291C_T296C_C314T



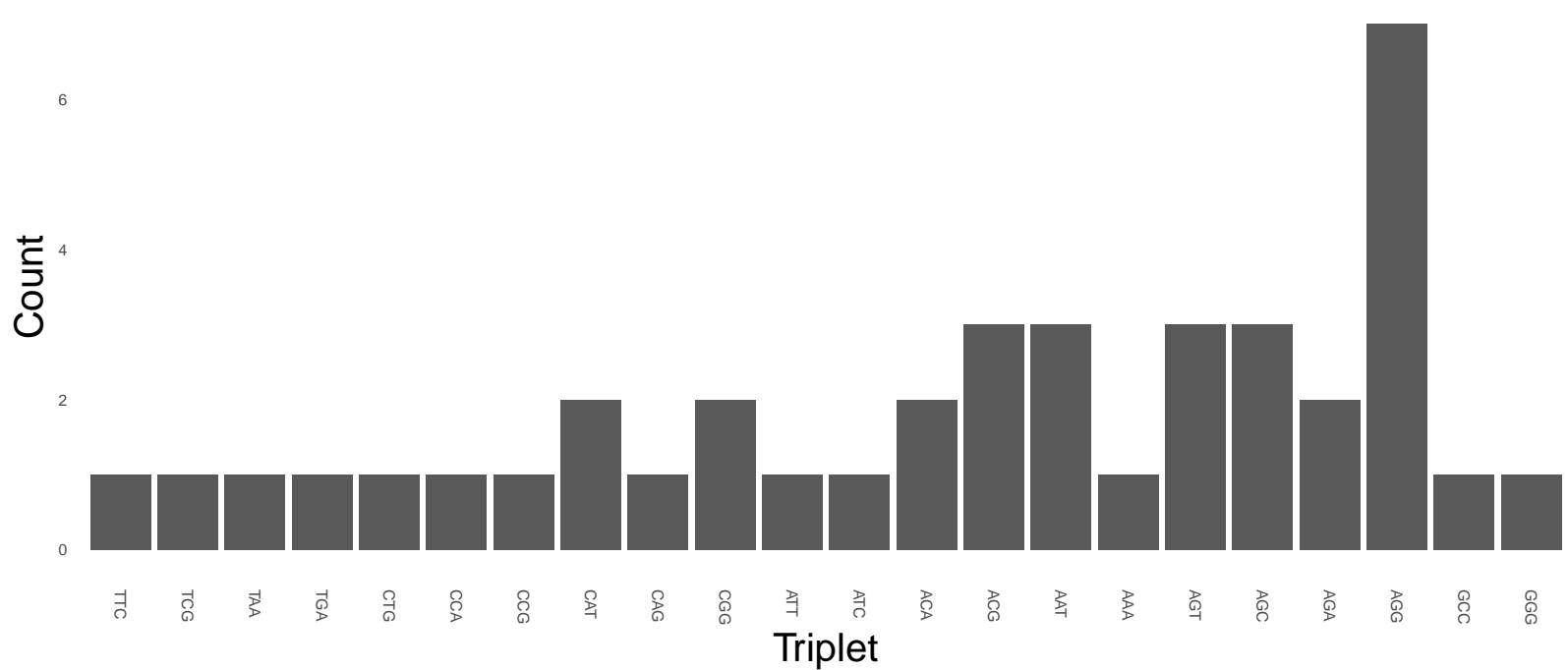
Gene TRBV7-1*ap01_G291C_T296C



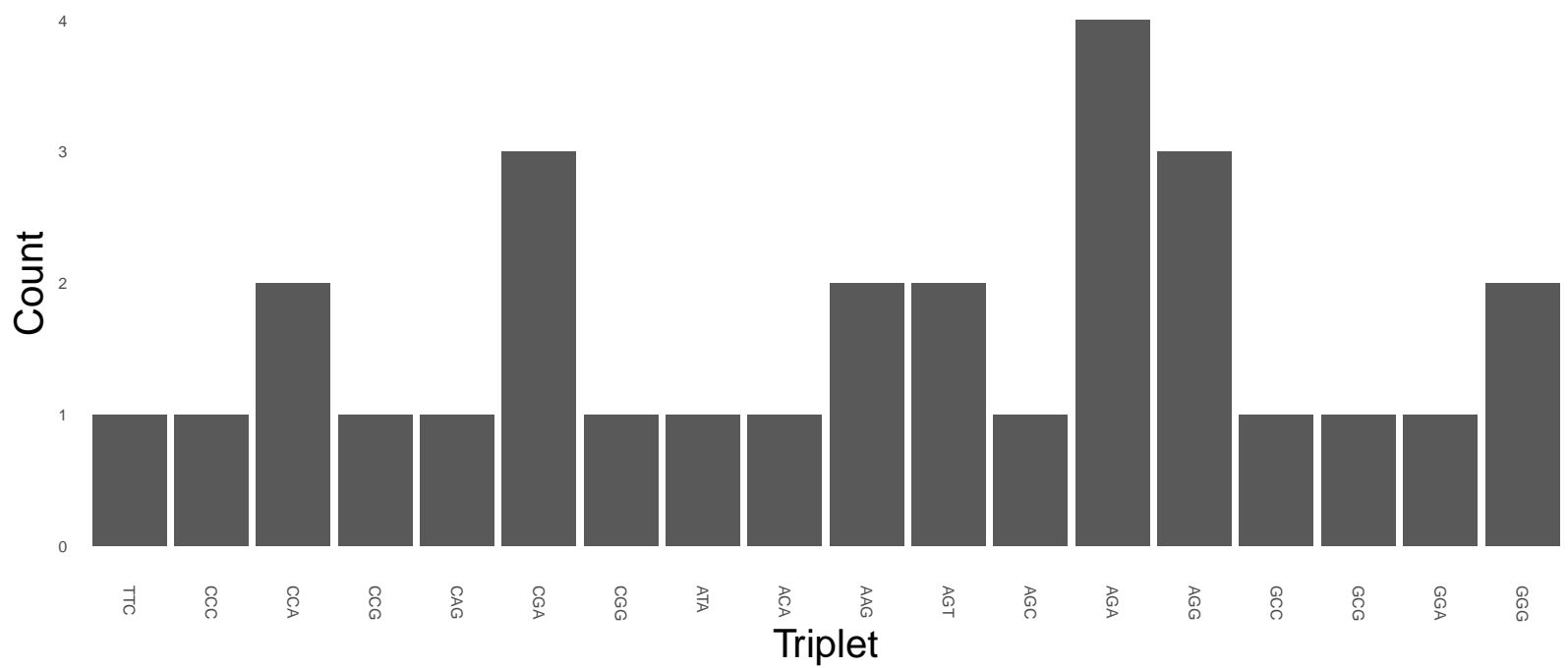
Gene TRBV7-7*ap01_C315T



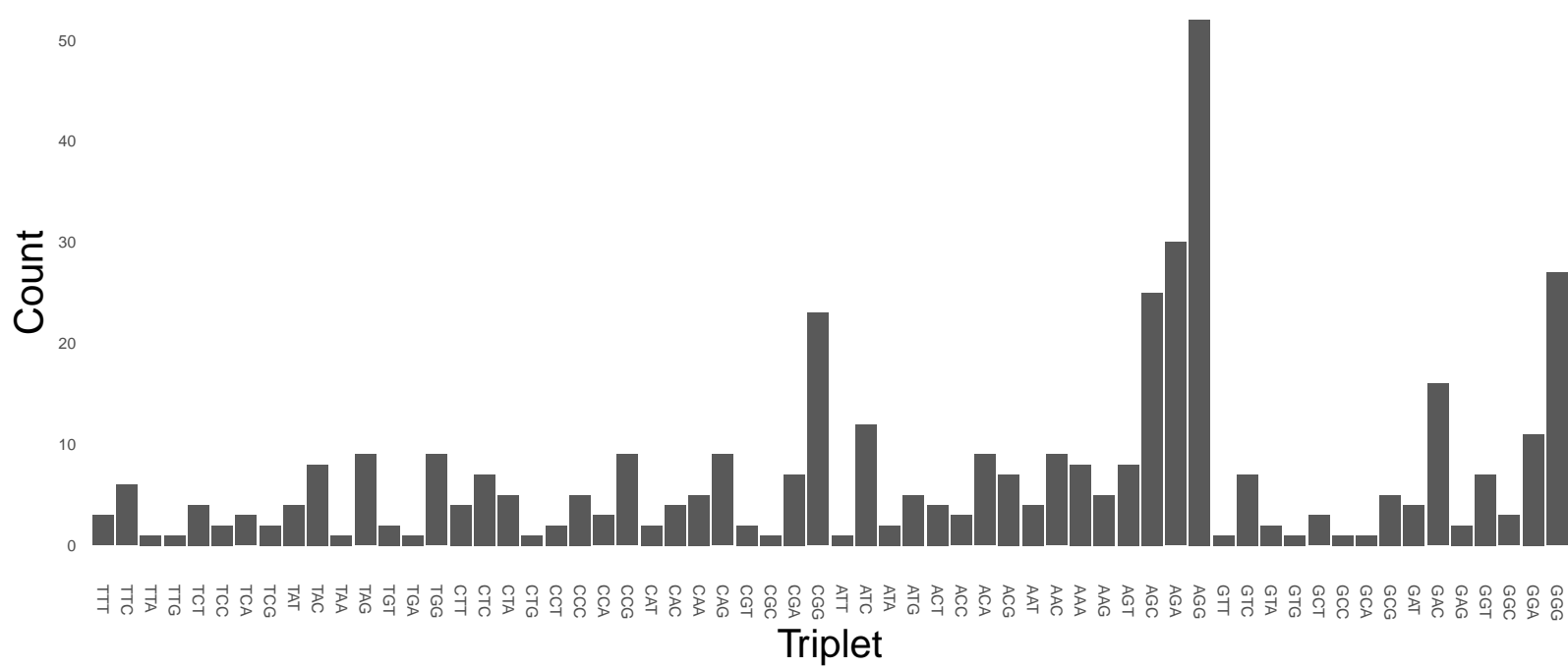
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

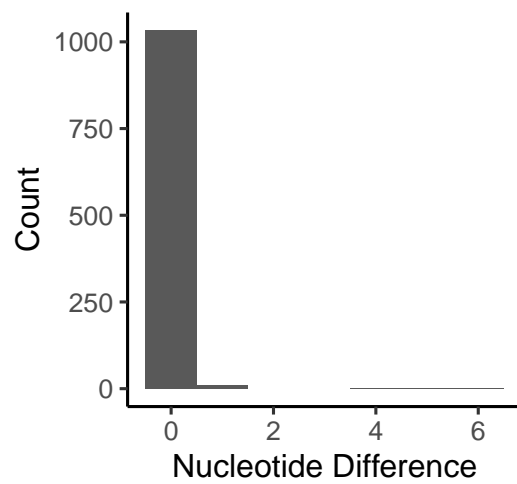


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



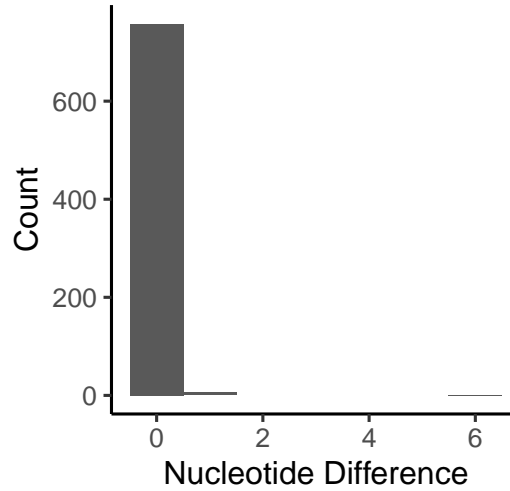
TRBV10-1*ap01

1046 sequences assigned
1033 (98.8%) exact matches, in which:
1012 unique CDR3
13 unique J



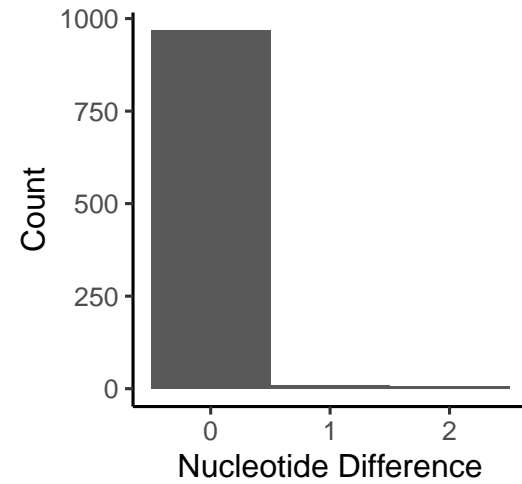
TRBV10-2*ap01

765 sequences assigned
758 (99.1%) exact matches, in which:
735 unique CDR3
13 unique J



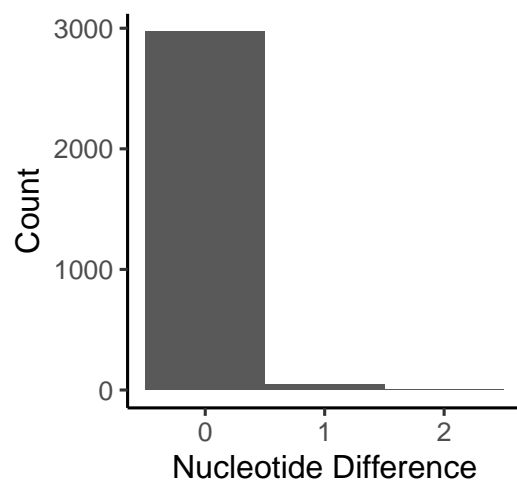
TRBV13*ap01

984 sequences assigned
968 (98.4%) exact matches, in which:
940 unique CDR3
13 unique J



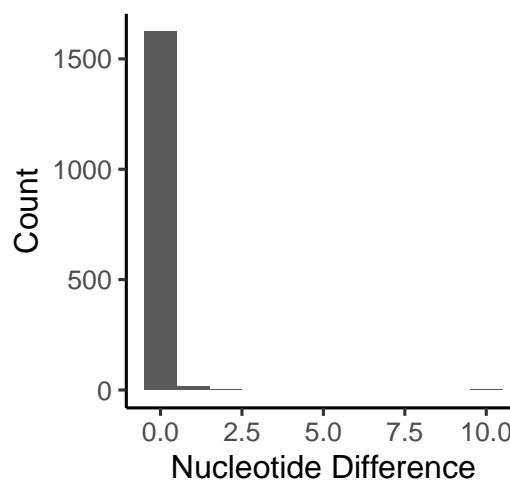
TRBV20-1*ap01

3019 sequences assigned
2971 (98.4%) exact matches, in which:
2902 unique CDR3
13 unique J



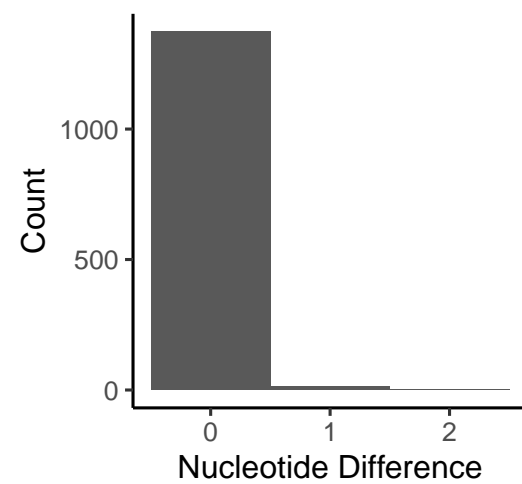
TRBV10-3*ap01

1644 sequences assigned
1623 (98.7%) exact matches, in which:
1581 unique CDR3
13 unique J



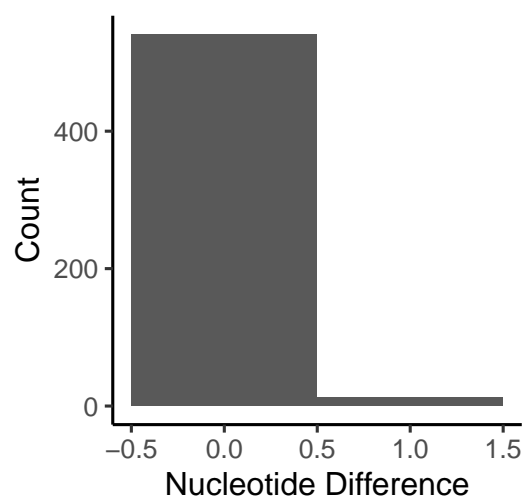
TRBV14*ap01

1389 sequences assigned
1373 (98.8%) exact matches, in which:
1346 unique CDR3
14 unique J



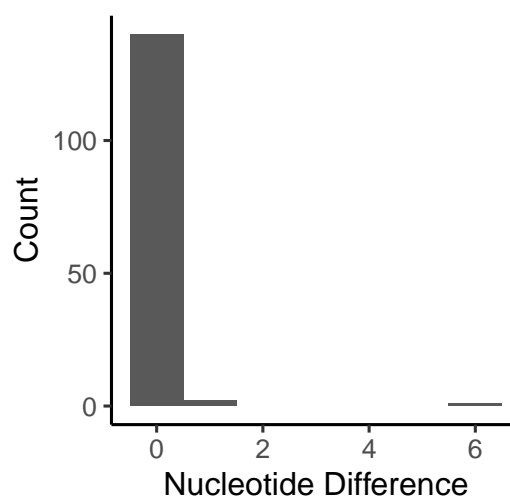
TRBV20-1*ap02

554 sequences assigned
541 (97.7%) exact matches, in which:
527 unique CDR3
13 unique J



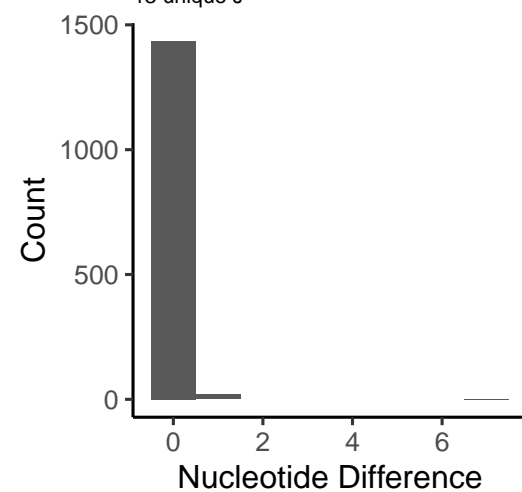
TRBV1*ap01

143 sequences assigned
140 (97.9%) exact matches, in which:
139 unique CDR3
13 unique J



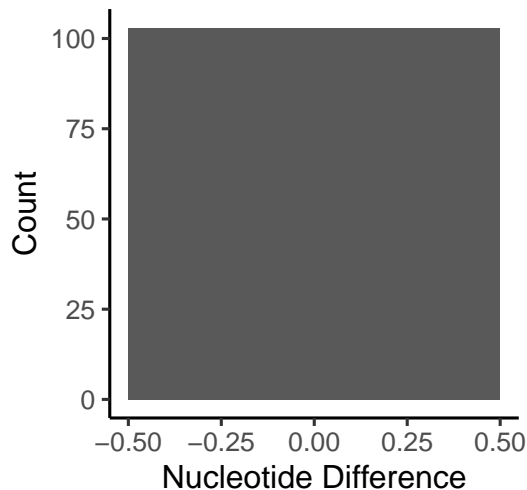
TRBV15*ap02

1456 sequences assigned
1435 (98.6%) exact matches, in which:
1394 unique CDR3
13 unique J



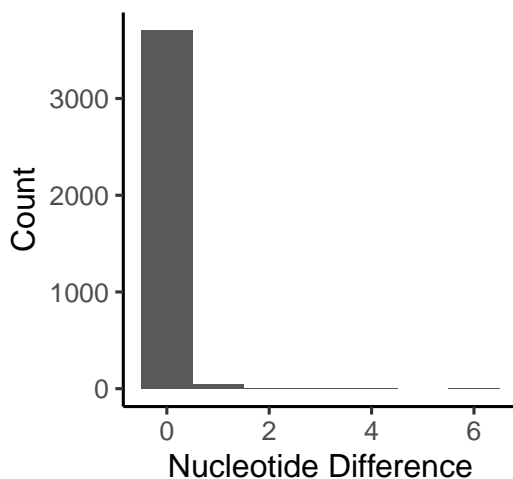
TRBV16*ap01

103 sequences assigned
103 (100%) exact matches, in which:
103 unique CDR3
12 unique J



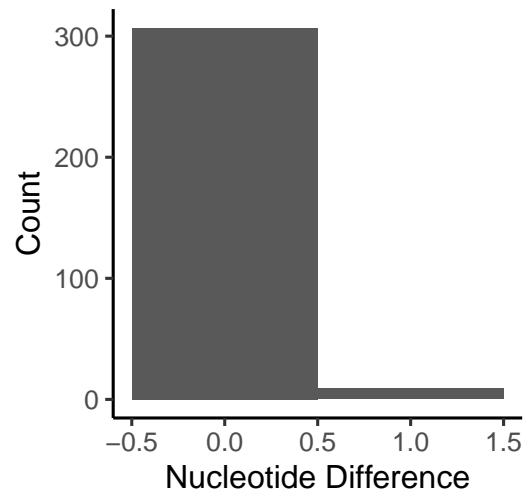
TRBV2*ap01

3754 sequences assigned
3704 (98.7%) exact matches, in which:
3614 unique CDR3
13 unique J



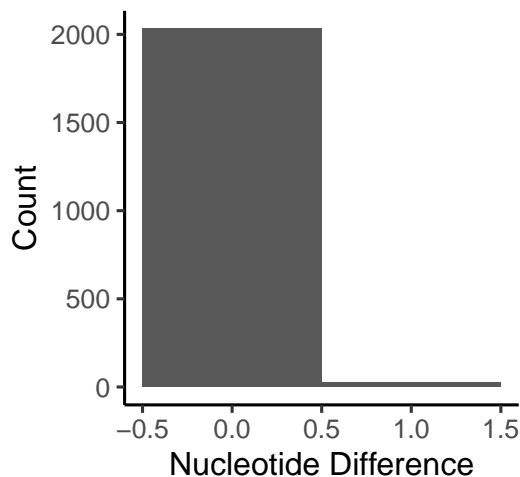
TRBV30*ap02

316 sequences assigned
307 (97.2%) exact matches, in which:
300 unique CDR3
13 unique J



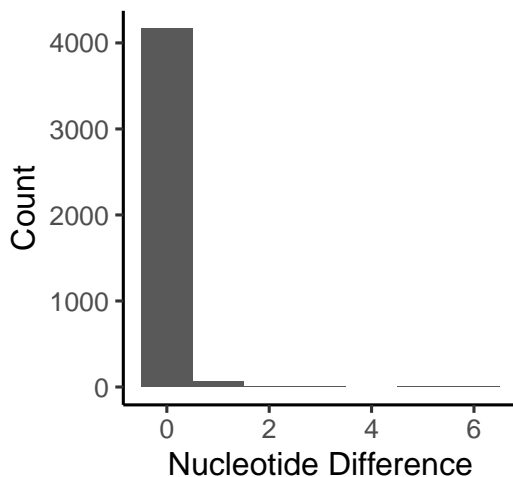
TRBV18*ap01

2057 sequences assigned
2032 (98.8%) exact matches, in which:
1997 unique CDR3
13 unique J



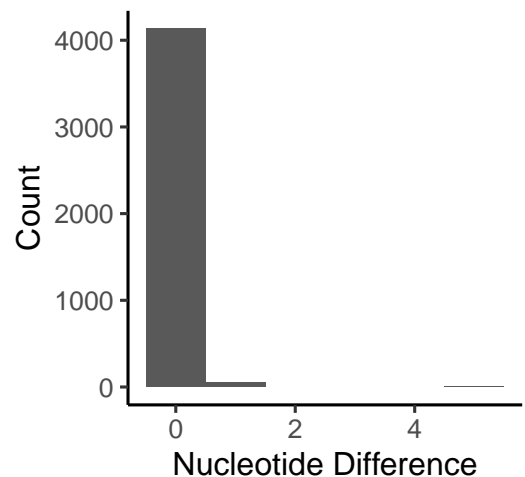
TRBV27*ap01

4242 sequences assigned
4165 (98.2%) exact matches, in which:
4067 unique CDR3
13 unique J



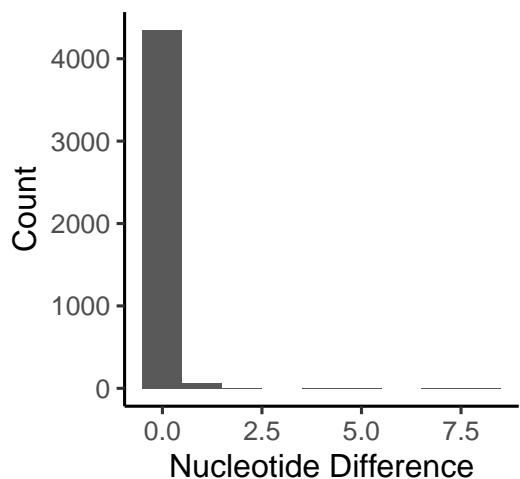
TRBV9*ap01

4194 sequences assigned
4133 (98.5%) exact matches, in which:
4055 unique CDR3
13 unique J



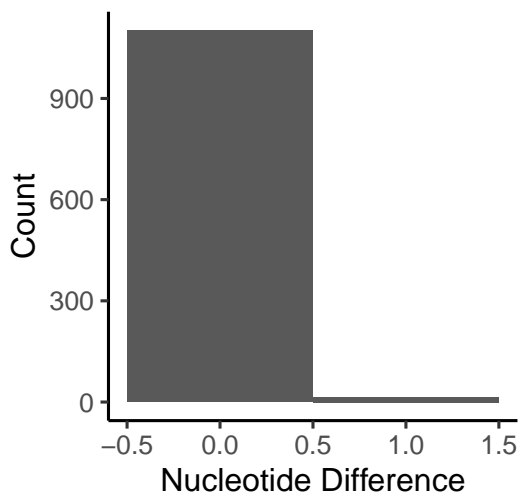
TRBV19*ap01

4422 sequences assigned
4348 (98.3%) exact matches, in which:
4264 unique CDR3
13 unique J



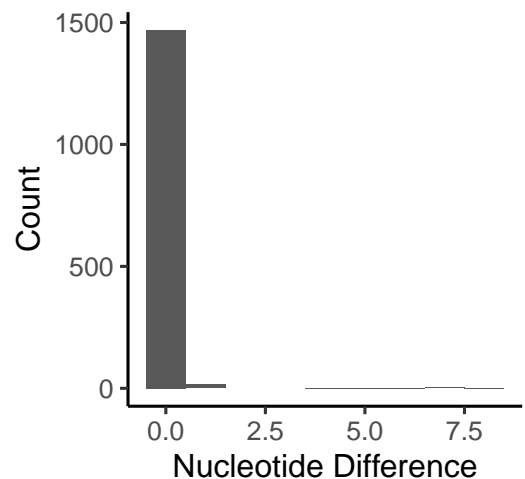
TRBV28*ap01

1117 sequences assigned
1102 (98.7%) exact matches, in which:
1082 unique CDR3
13 unique J



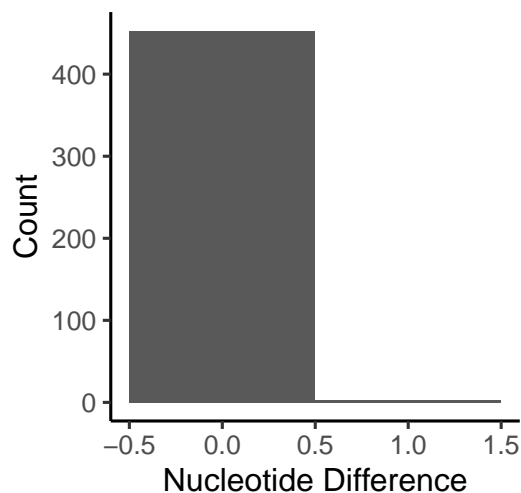
TRBV21-1*ap01

1493 sequences assigned
1469 (98.4%) exact matches, in which:
1442 unique CDR3
13 unique J



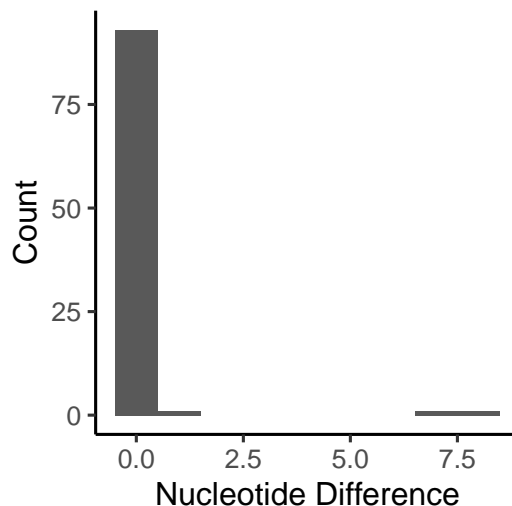
TRBV11-1*ap01

456 sequences assigned
453 (99.3%) exact matches, in which:
444 unique CDR3
13 unique J



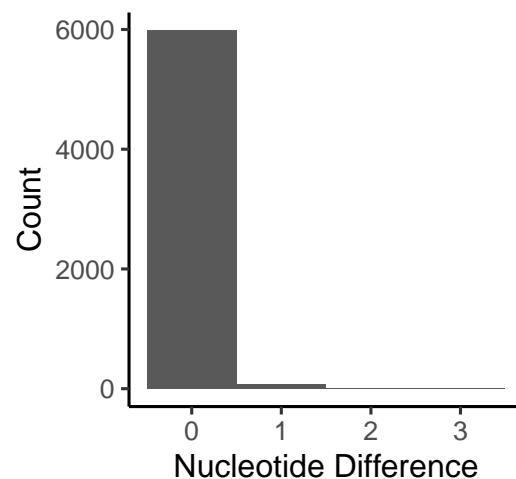
TRBV12-1*ap01

96 sequences assigned
93 (96.9%) exact matches, in which:
92 unique CDR3
13 unique J



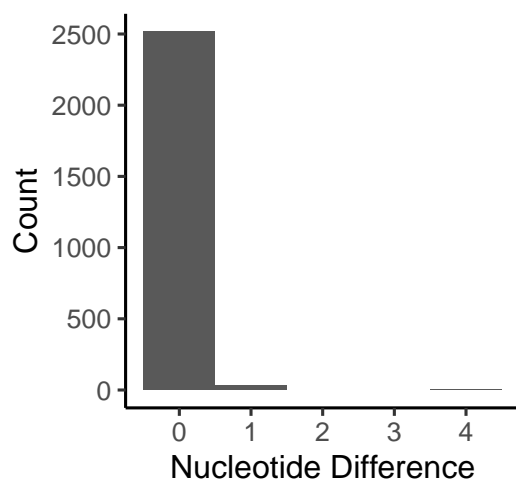
TRBV12-34*ap01

6066 sequences assigned
5985 (98.7%) exact matches, in which:
5867 unique CDR3
13 unique J



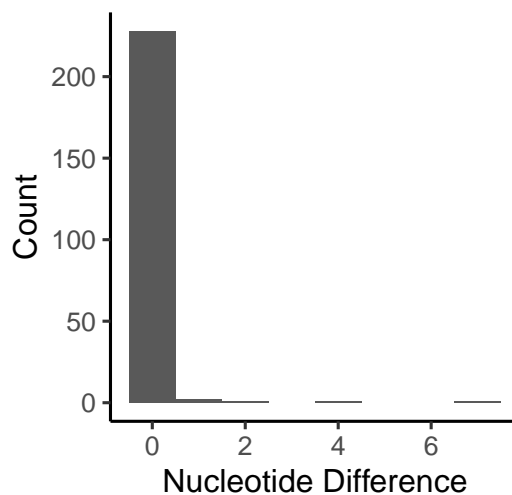
TRBV11-2*ap01

2552 sequences assigned
2516 (98.6%) exact matches, in which:
2445 unique CDR3
13 unique J



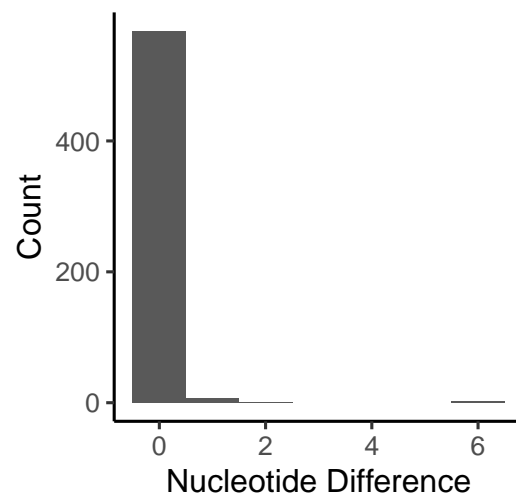
TRBV12-2*ap01

233 sequences assigned
228 (97.9%) exact matches, in which:
226 unique CDR3
13 unique J



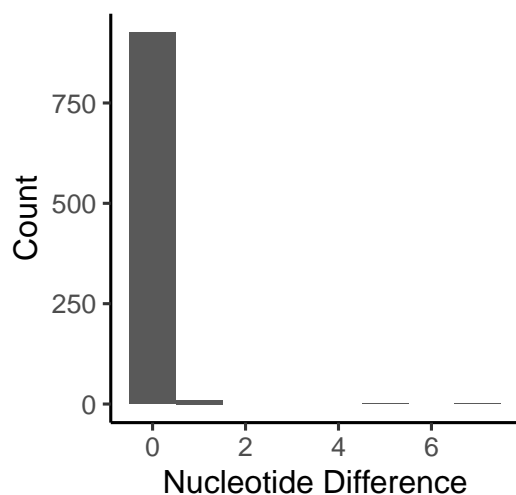
TRBV23-1*ap01

578 sequences assigned
568 (98.3%) exact matches, in which:
558 unique CDR3
13 unique J



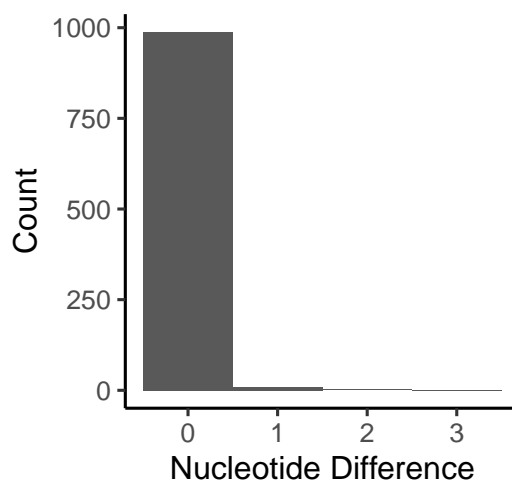
TRBV11-3*ap01

938 sequences assigned
926 (98.7%) exact matches, in which:
908 unique CDR3
13 unique J



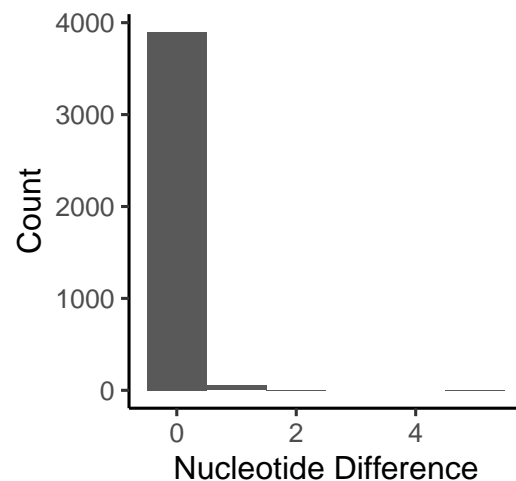
TRBV12-5*ap01

1001 sequences assigned
988 (98.7%) exact matches, in which:
961 unique CDR3
13 unique J



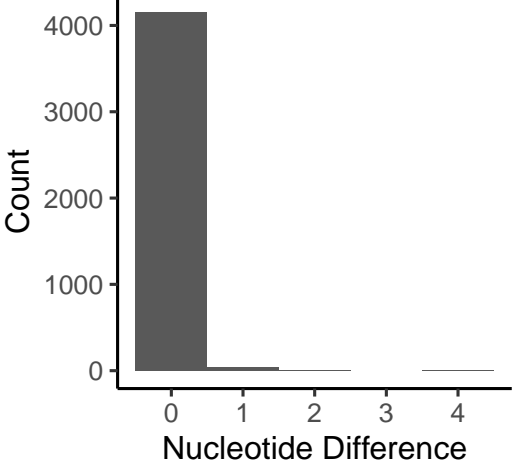
TRBV3-12*ap01

3956 sequences assigned
3898 (98.5%) exact matches, in which:
3821 unique CDR3
13 unique J



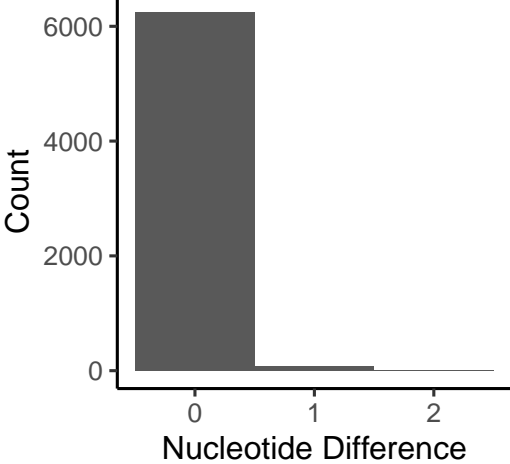
TRBV4-1*ap01

4195 sequences assigned
4151 (99%) exact matches, in which:
4070 unique CDR3
13 unique J



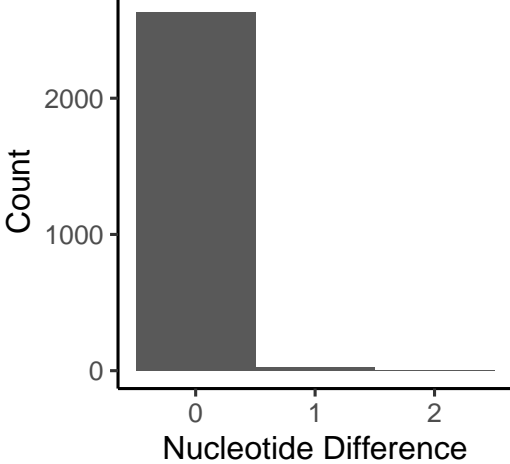
TRBV5-1*ap01

6318 sequences assigned
6242 (98.8%) exact matches, in which:
6090 unique CDR3
13 unique J



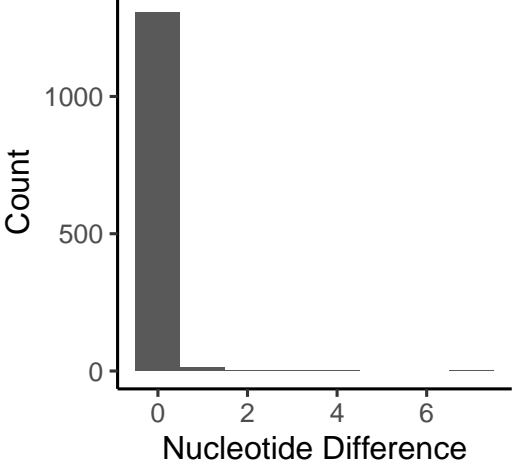
TRBV5-4*ap01

2660 sequences assigned
2630 (98.9%) exact matches, in which:
2578 unique CDR3
13 unique J



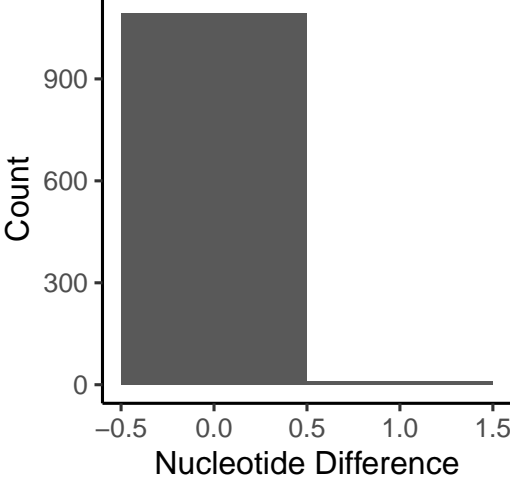
TRBV24-1*ap01

1328 sequences assigned
1305 (98.3%) exact matches, in which:
1286 unique CDR3
13 unique J



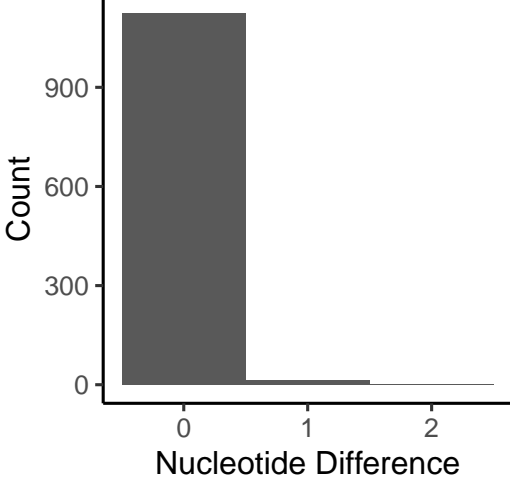
TRBV25-1*ap01

1104 sequences assigned
1094 (99.1%) exact matches, in which:
1067 unique CDR3
13 unique J



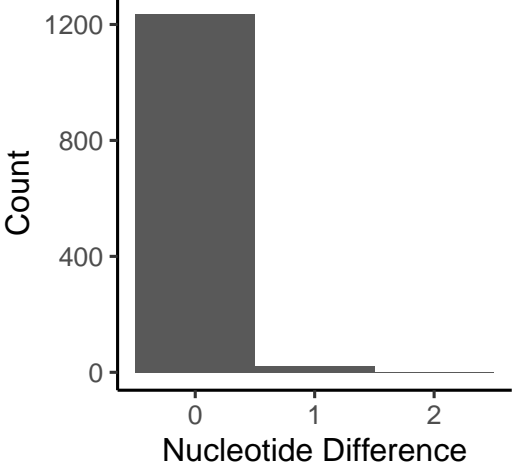
TRBV5-5*ap01

1139 sequences assigned
1125 (98.8%) exact matches, in which:
1102 unique CDR3
13 unique J



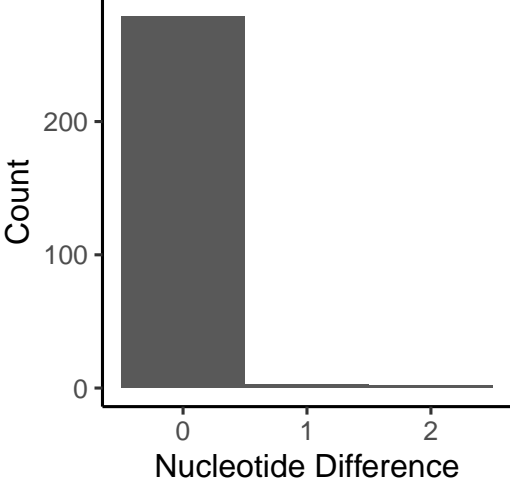
TRBV4-2*ap01

1259 sequences assigned
1236 (98.2%) exact matches, in which:
1213 unique CDR3
13 unique J



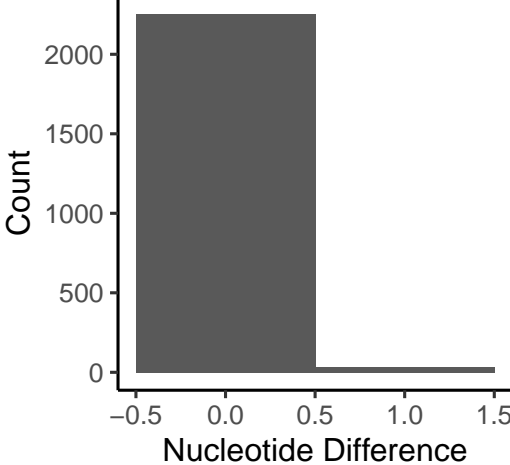
TRBV5-3*ap01

284 sequences assigned
279 (98.2%) exact matches, in which:
273 unique CDR3
13 unique J



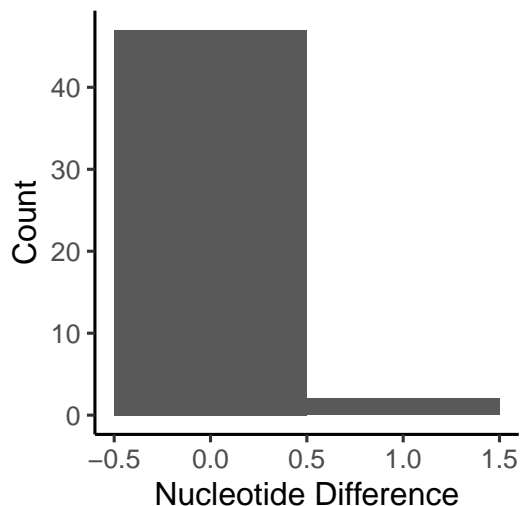
TRBV5-6*ap01

2285 sequences assigned
2253 (98.6%) exact matches, in which:
2199 unique CDR3
13 unique J



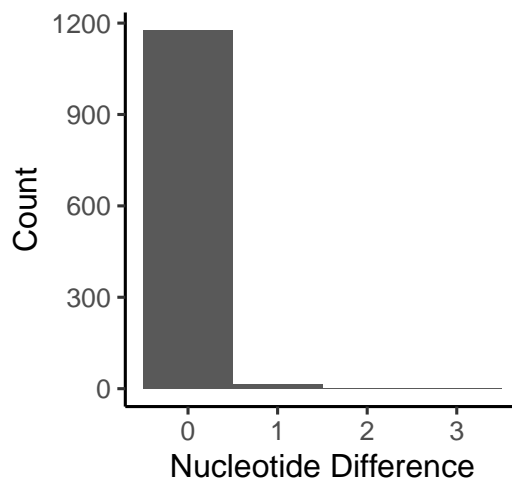
TRBV5-7*ap01

49 sequences assigned
47 (95.9%) exact matches, in which:
47 unique CDR3
12 unique J



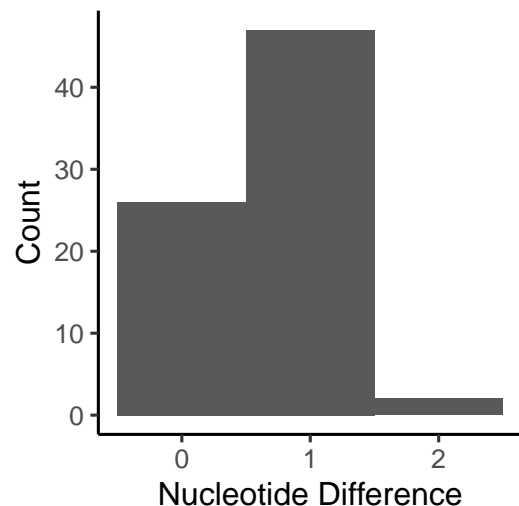
TRBV6-4*ap01

1192 sequences assigned
1176 (98.7%) exact matches, in which:
1156 unique CDR3
13 unique J



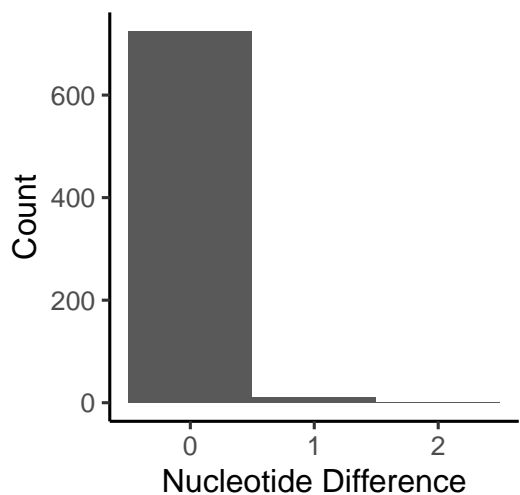
TRBV6-9*ap01

75 sequences assigned
26 (34.7%) exact matches, in which:
25 unique CDR3
9 unique J



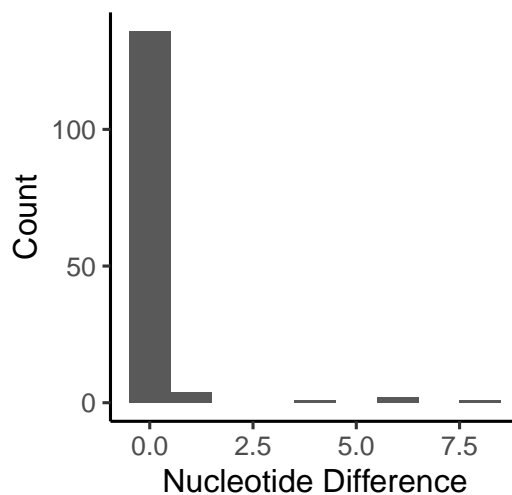
TRBV5-8*ap01

736 sequences assigned
725 (98.5%) exact matches, in which:
708 unique CDR3
13 unique J



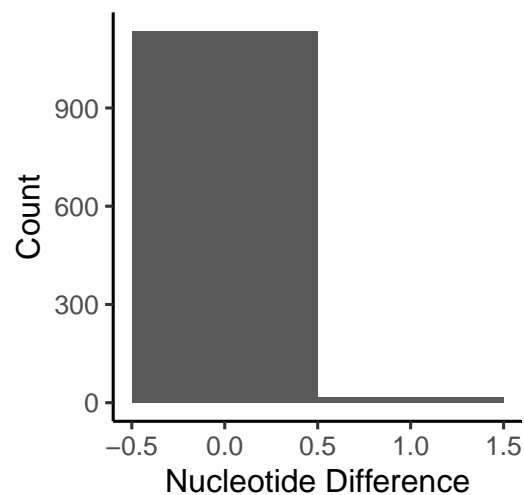
TRBV6-7*ap01

144 sequences assigned
136 (94.4%) exact matches, in which:
131 unique CDR3
13 unique J



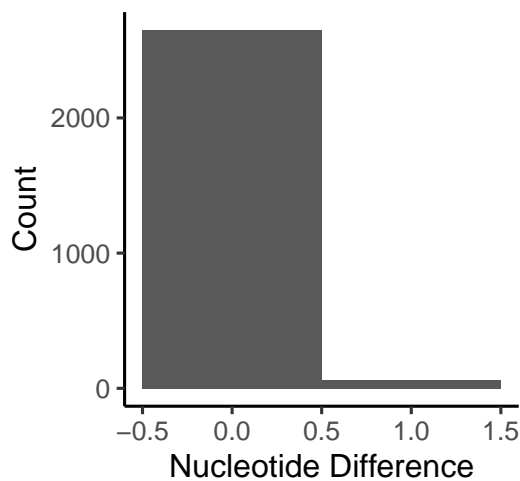
TRBV6-23*ap01

1152 sequences assigned
1135 (98.5%) exact matches, in which:
1112 unique CDR3
13 unique J



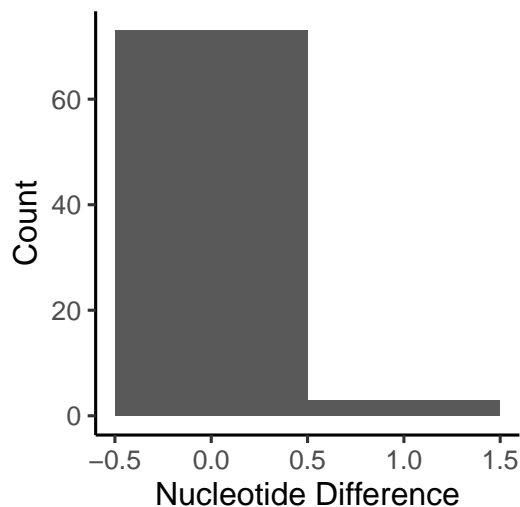
TRBV6-1*ap01

2713 sequences assigned
2650 (97.7%) exact matches, in which:
2582 unique CDR3
13 unique J



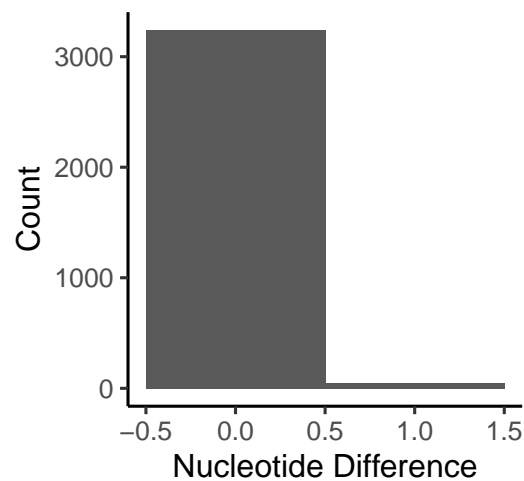
TRBV6-8*ap01

76 sequences assigned
73 (96.1%) exact matches, in which:
72 unique CDR3
12 unique J



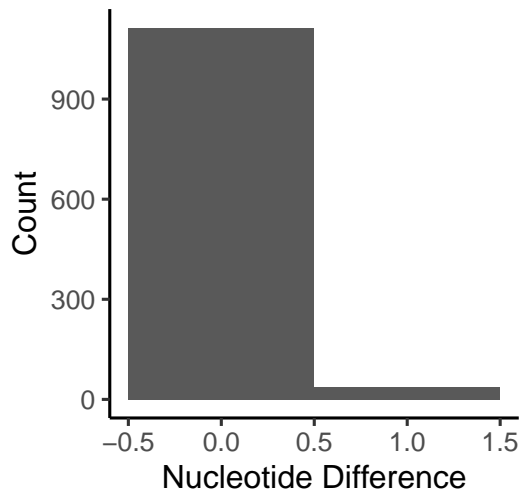
TRBV6-56*ap01

3289 sequences assigned
3241 (98.5%) exact matches, in which:
3183 unique CDR3
13 unique J



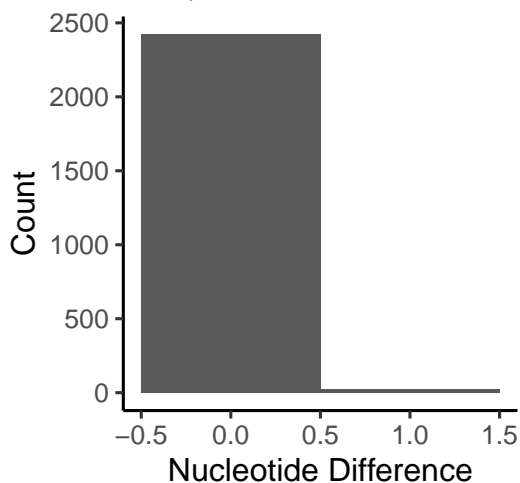
TRBV6–56*ap02

1151 sequences assigned
1114 (96.8%) exact matches, in which:
1084 unique CDR3
13 unique J



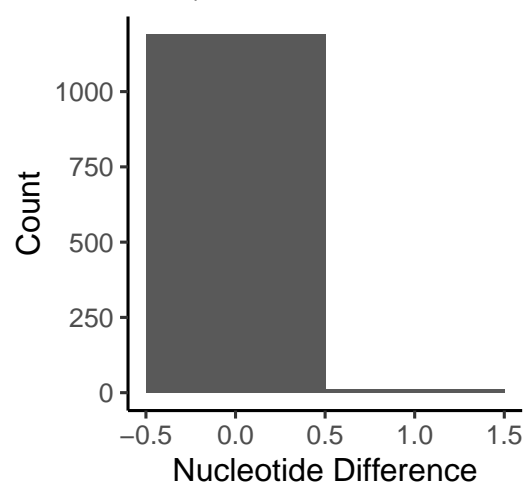
TRBV7–2*ap01

2448 sequences assigned
2422 (98.9%) exact matches, in which:
2374 unique CDR3
13 unique J



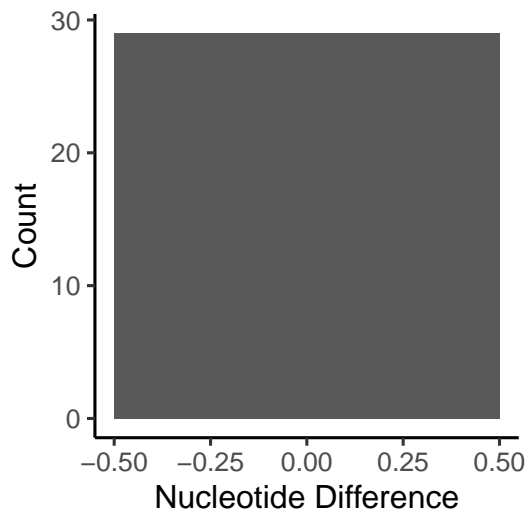
TRBV7–6*ap01

1203 sequences assigned
1190 (98.9%) exact matches, in which:
1158 unique CDR3
13 unique J



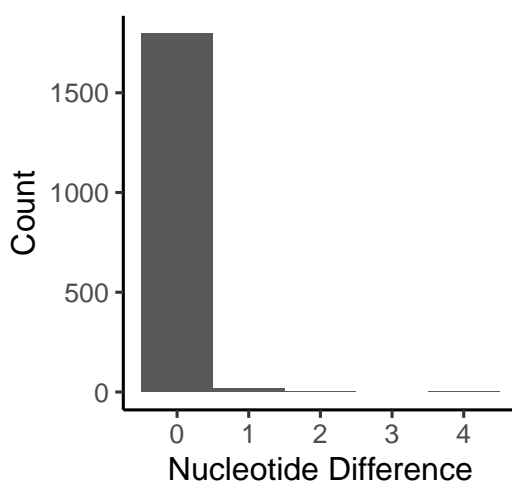
TRBV7–1*ap01_G291C_T

29 sequences assigned
29 (100%) exact matches, in which:
29 unique CDR3
12 unique J



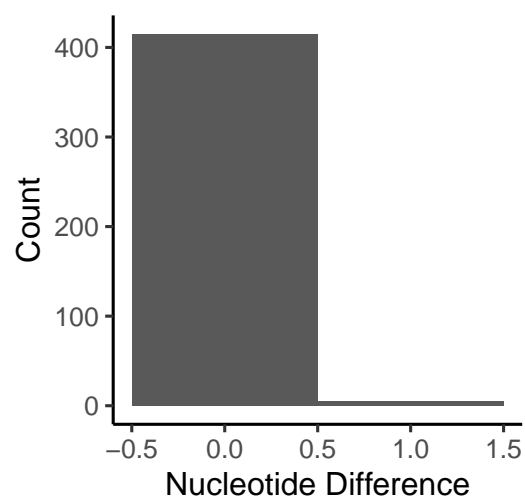
TRBV7–3*ap01

1818 sequences assigned
1796 (98.8%) exact matches, in which:
1759 unique CDR3
13 unique J



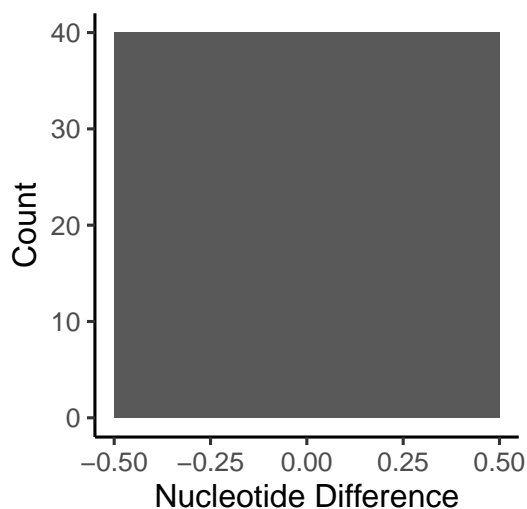
TRBV7–7*ap01_C315T

420 sequences assigned
415 (98.8%) exact matches, in which:
410 unique CDR3
13 unique J



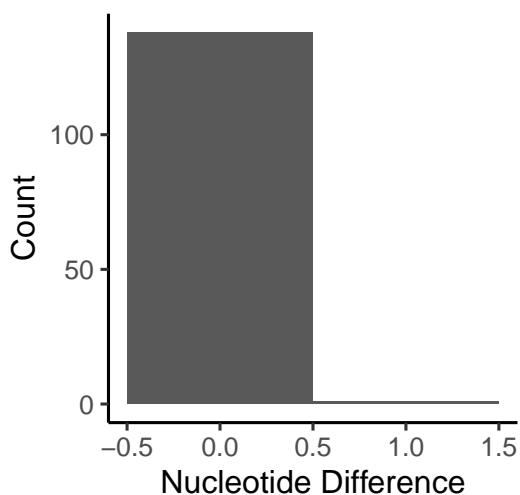
TRBV7–1*ap01_G291C_T

40 sequences assigned
40 (100%) exact matches, in which:
40 unique CDR3
12 unique J



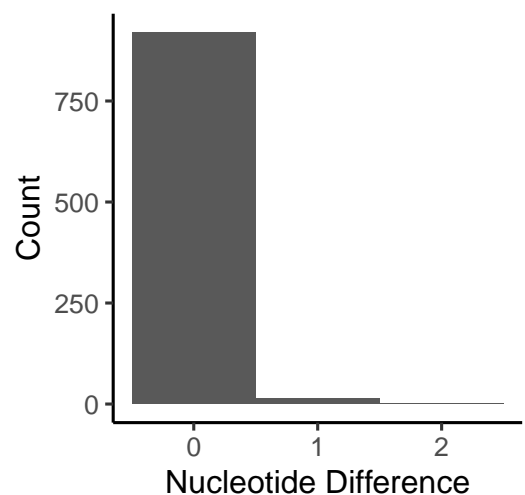
TRBV7–4*ap01

139 sequences assigned
138 (99.3%) exact matches, in which:
135 unique CDR3
13 unique J



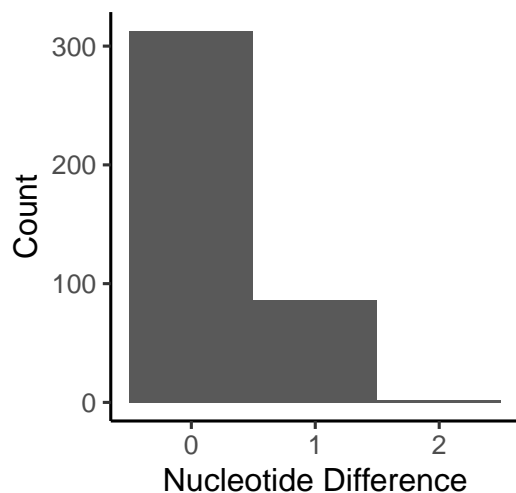
TRBV7–8*ap01

935 sequences assigned
920 (98.4%) exact matches, in which:
896 unique CDR3
13 unique J



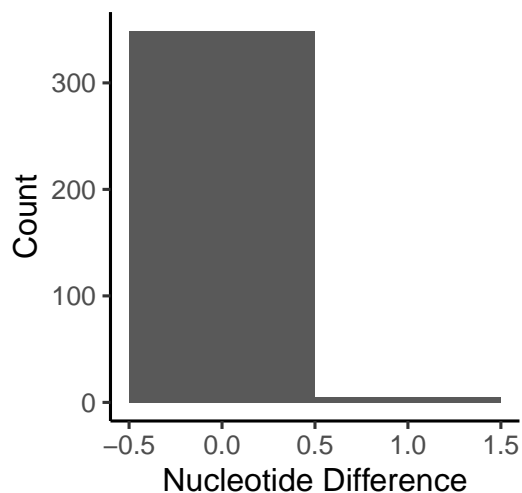
TRBV7–8*ap03

401 sequences assigned
313 (78.1%) exact matches, in which:
305 unique CDR3
13 unique J



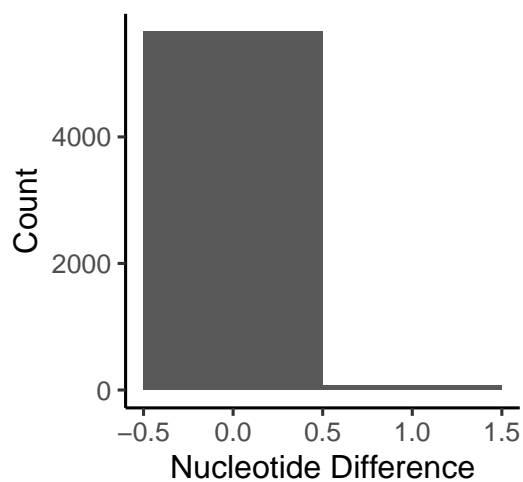
TRBV29–1*ap02

354 sequences assigned
349 (98.6%) exact matches, in which:
342 unique CDR3
13 unique J



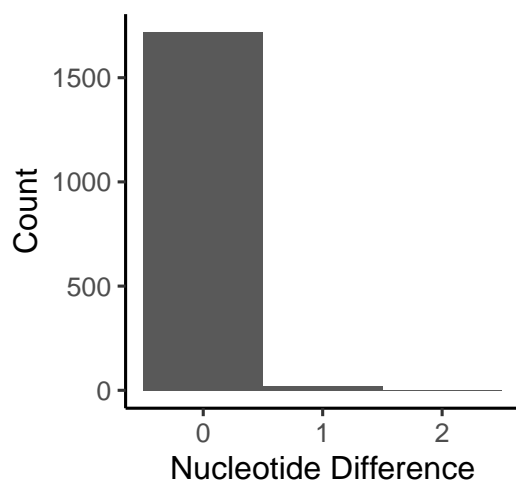
TRBV7–9*ap01

5738 sequences assigned
5662 (98.7%) exact matches, in which:
5526 unique CDR3
13 unique J

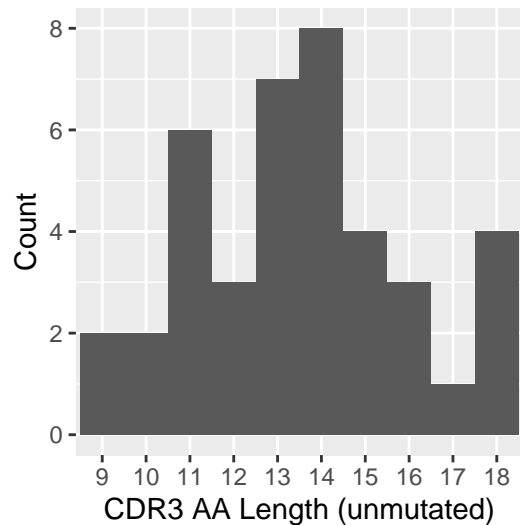


TRBV29–1*ap01

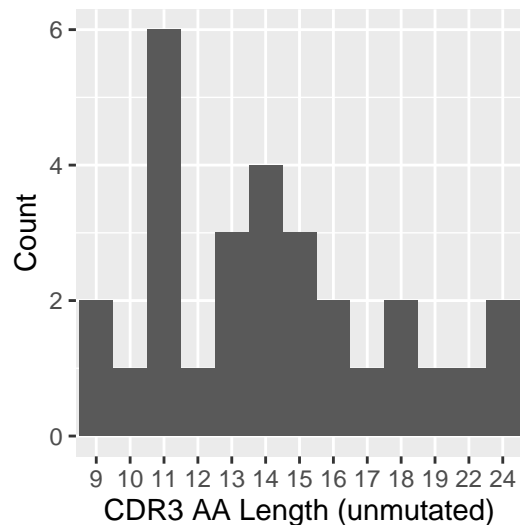
1742 sequences assigned
1719 (98.7%) exact matches, in which:
1695 unique CDR3
13 unique J



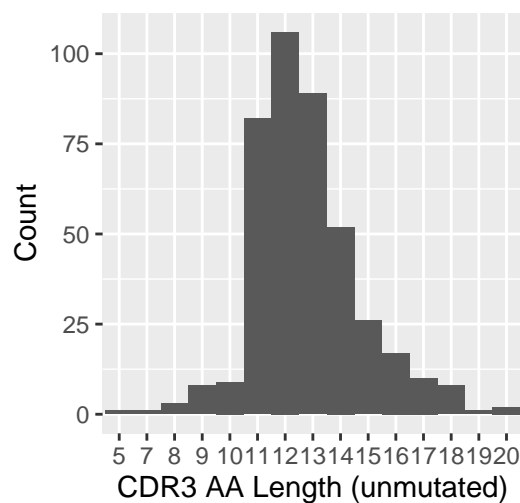
TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]