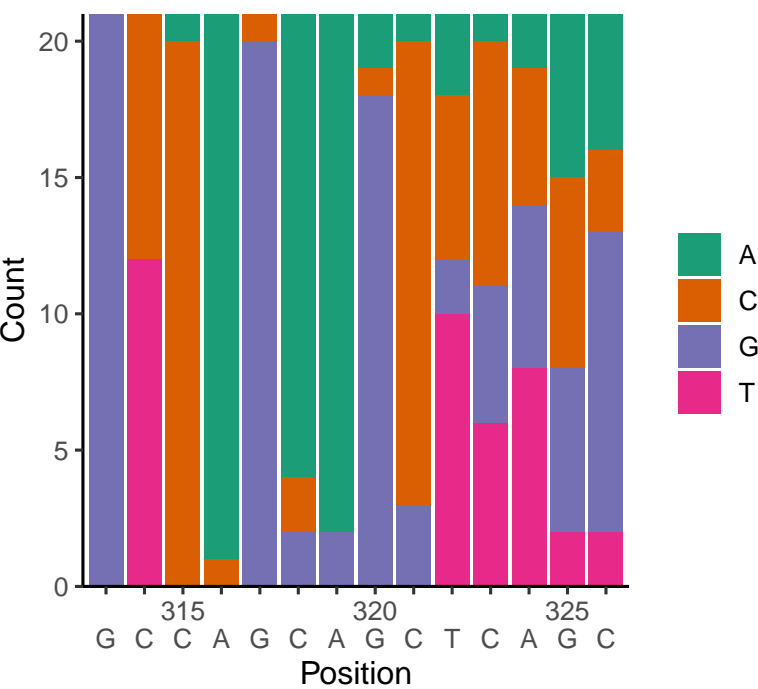
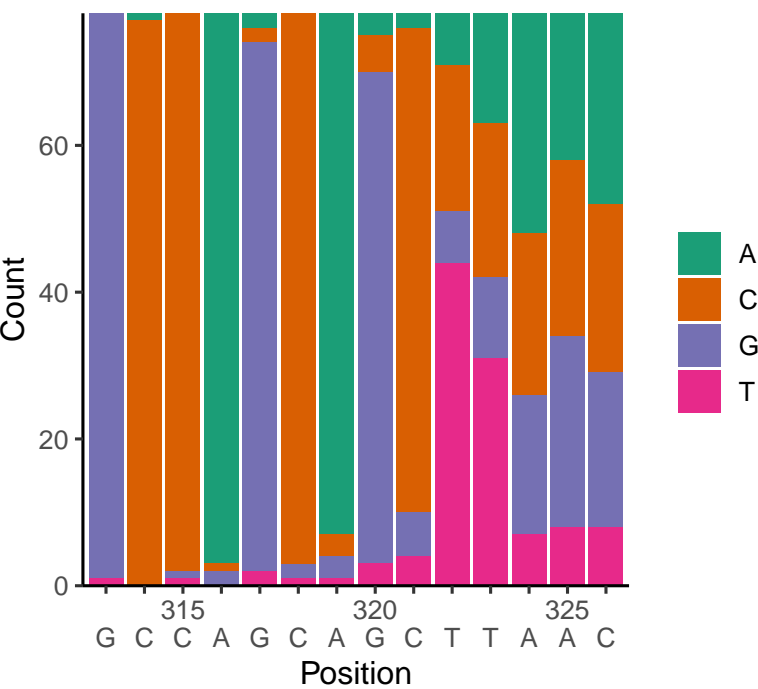


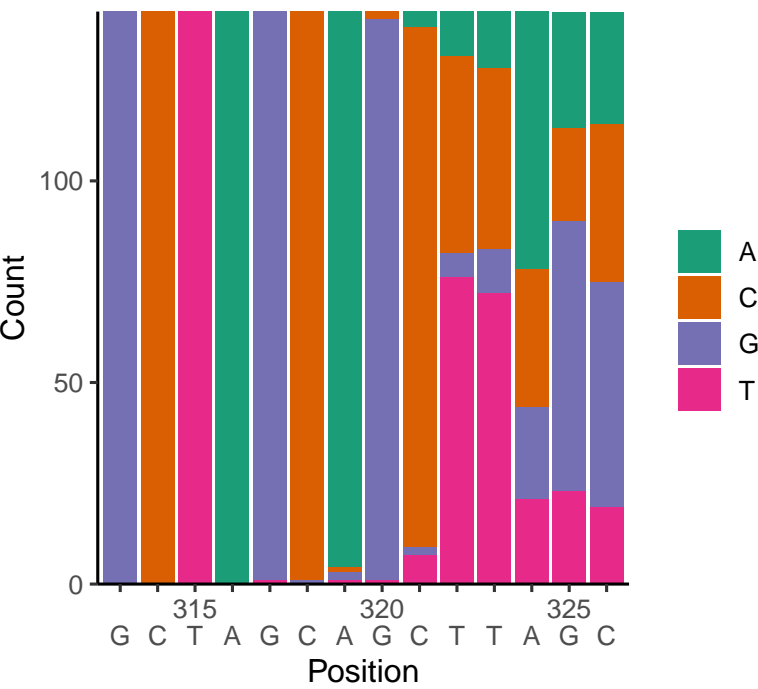
Gene TRBV7-1*ap01_T296C



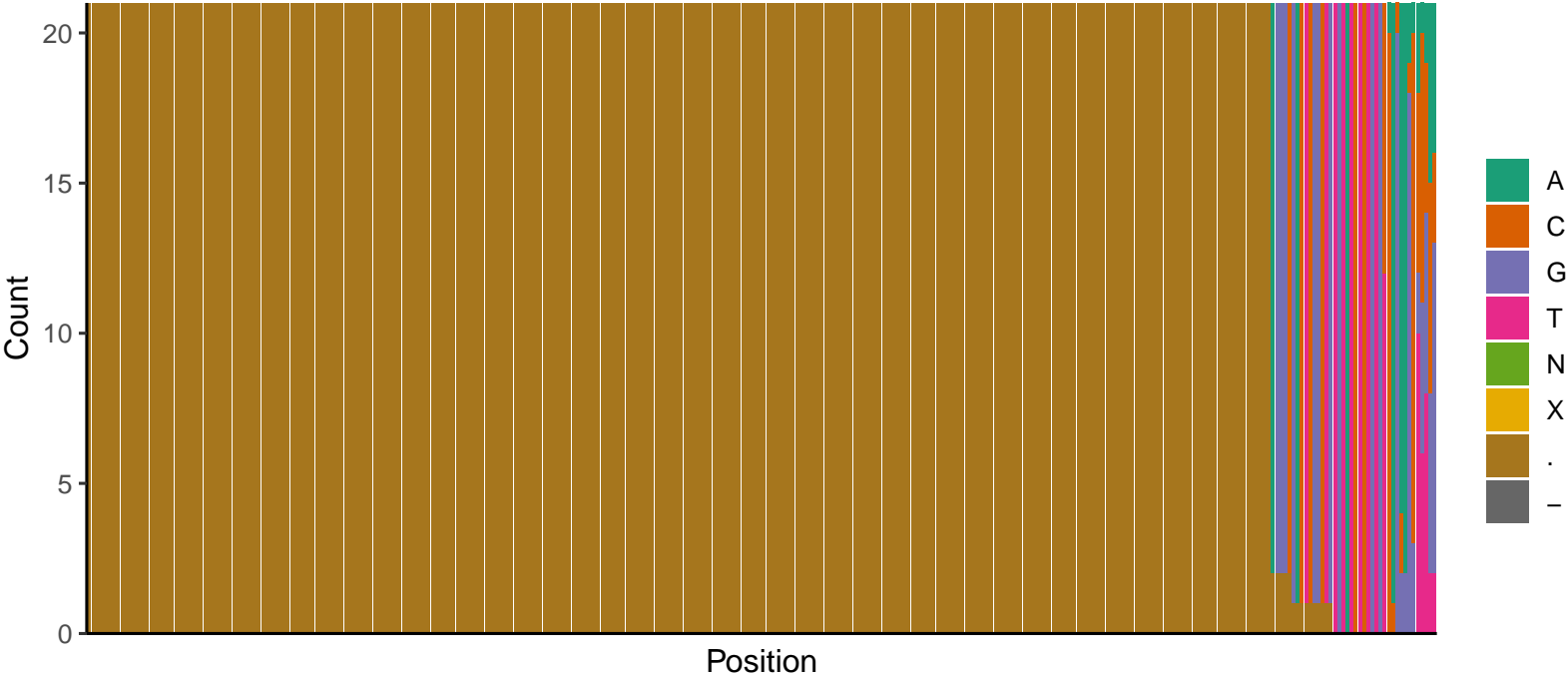
Gene TRBV7-3*ap01_G292T



Gene TRBV7-7*ap01_C315T



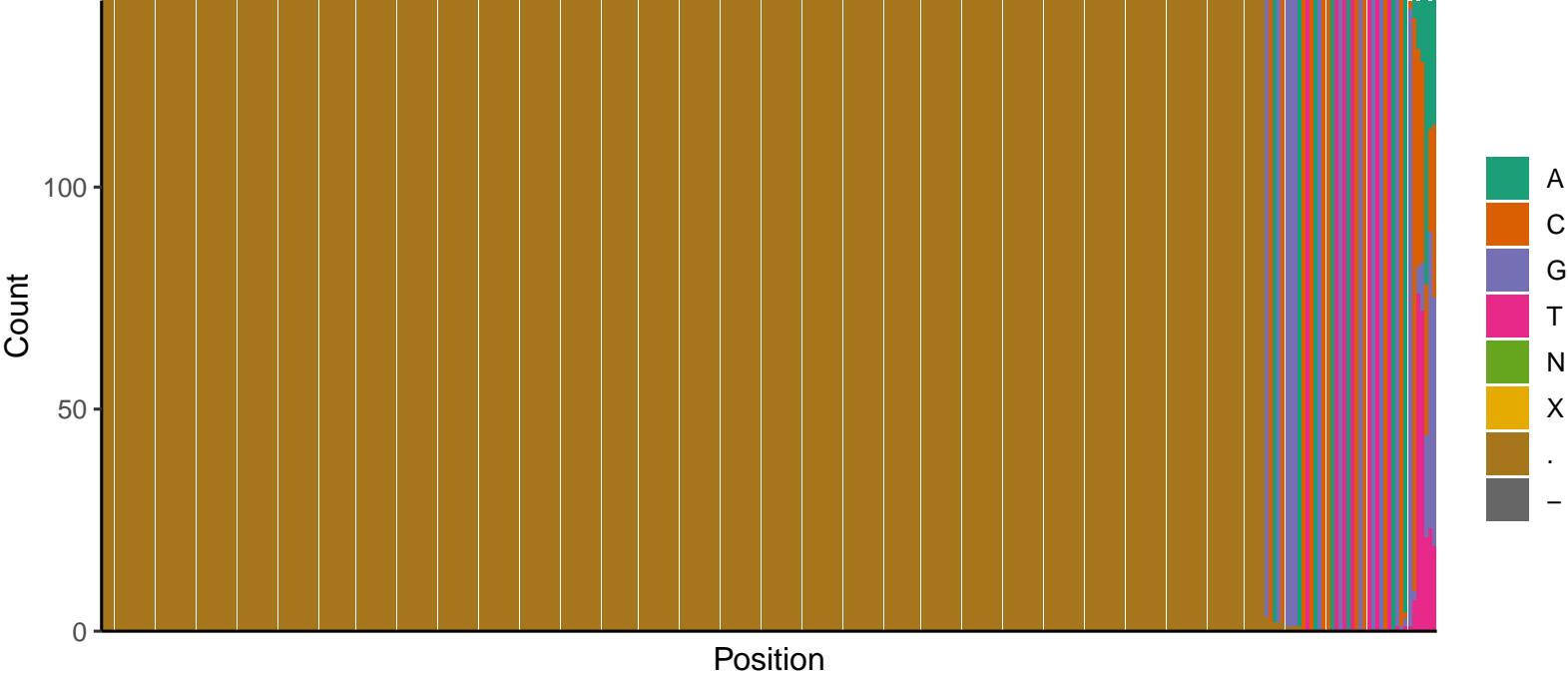
Gene TRBV7-1*ap01_T296C



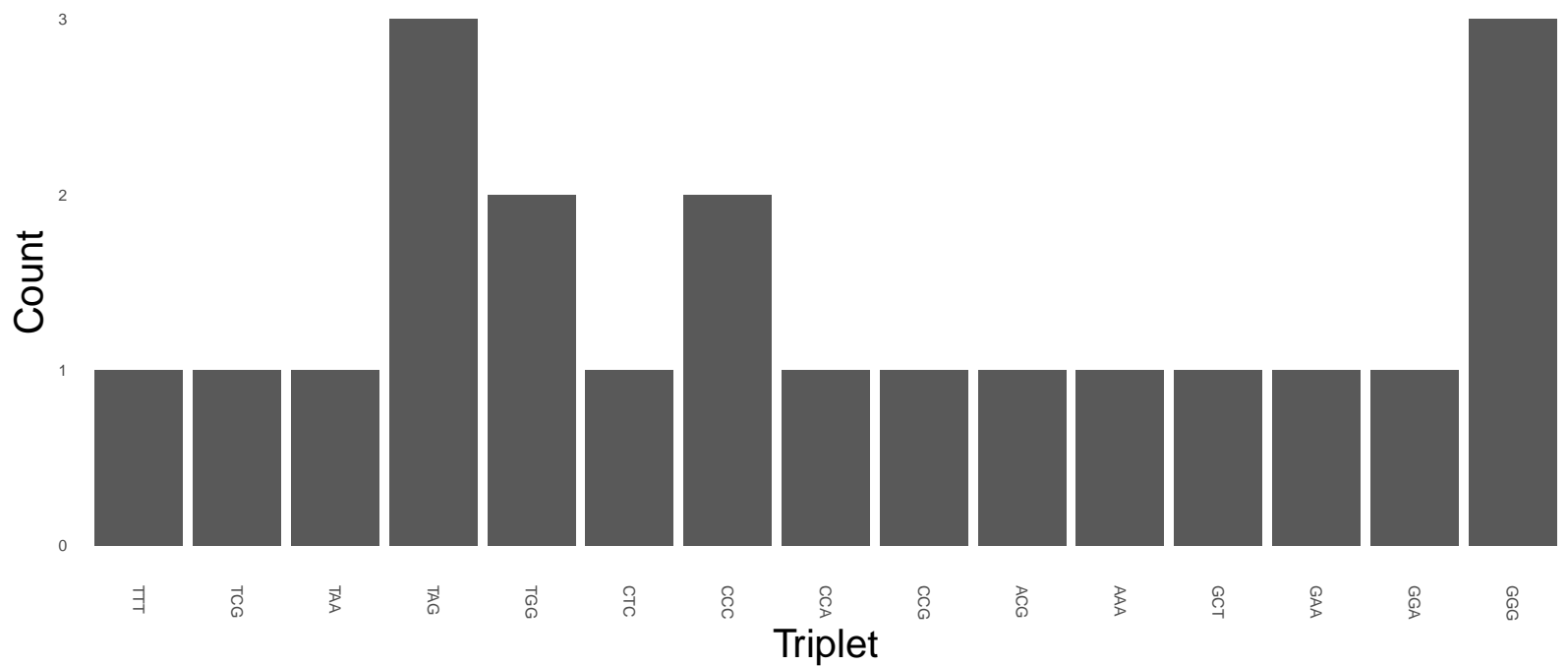
Gene TRBV7-3*ap01_G292T



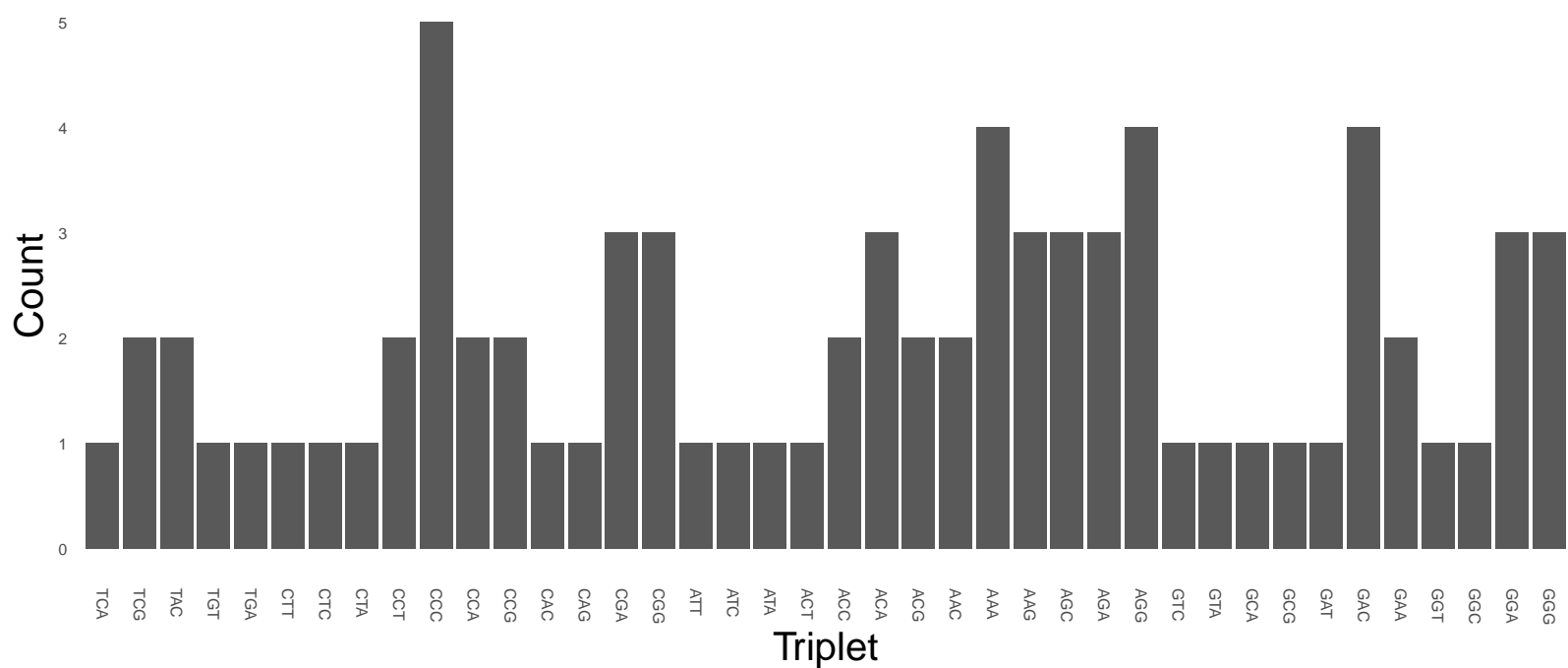
Gene TRBV7-7*ap01_C315T



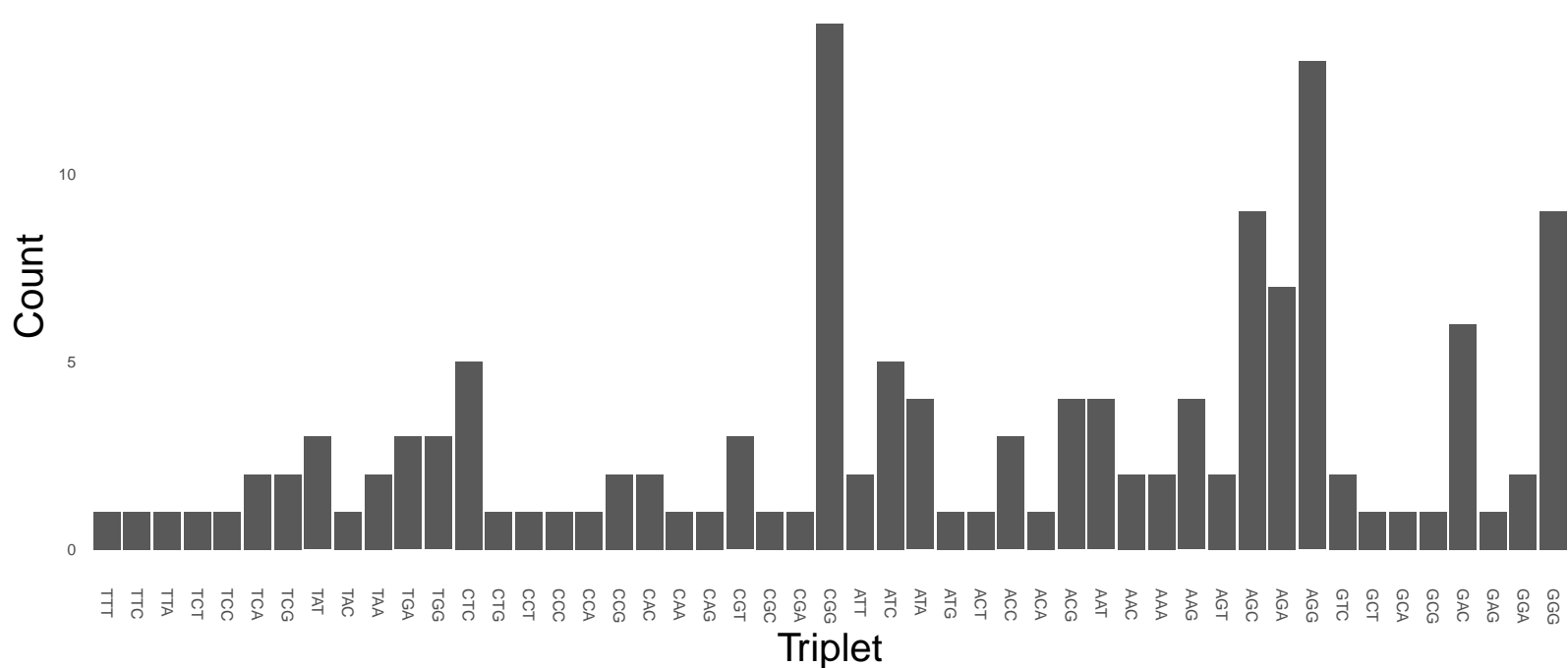
TRBV7-1*ap01_T296C- Final 3 nucleotides as a triplet



TRBV7-3*ap01_G292T- Final 3 nucleotides as a triplet

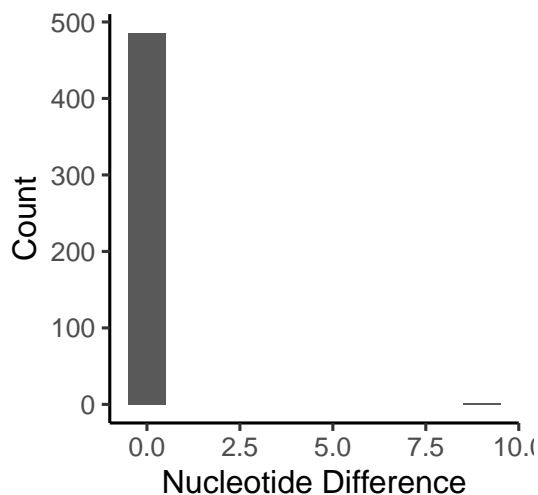


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



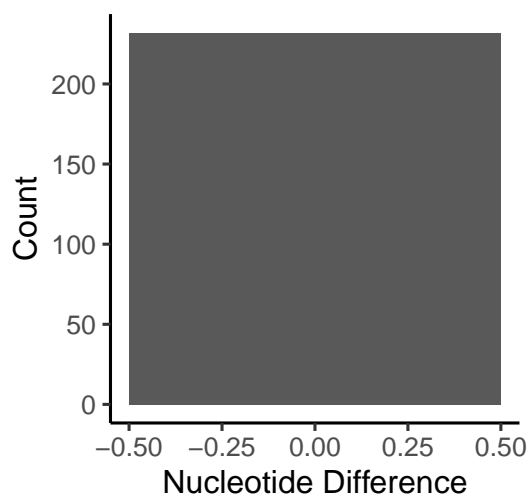
TRBV10–1*ap01

488 sequences assigned
486 (99.6%) exact matches, in which:
485 unique CDR3
13 unique J



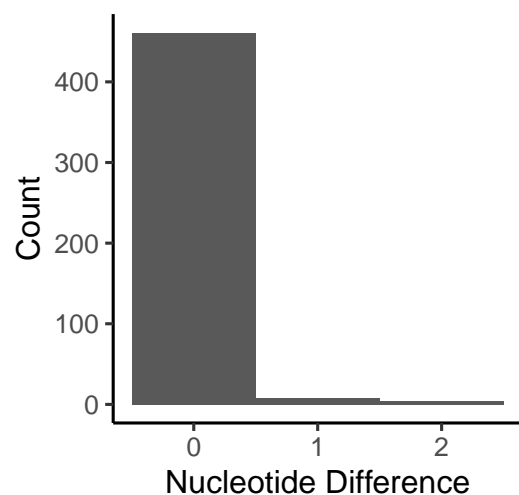
TRBV10–2*ap01

232 sequences assigned
232 (100%) exact matches, in which:
232 unique CDR3
13 unique J



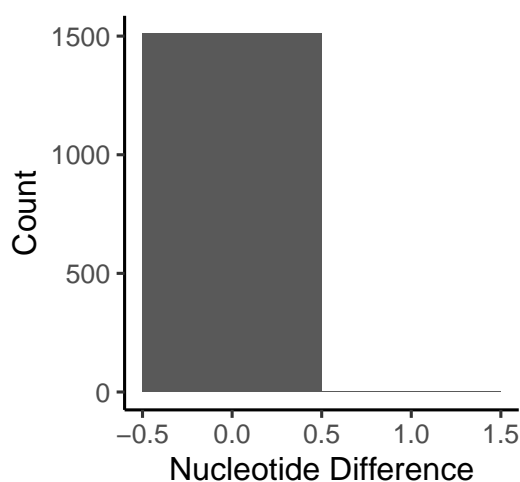
TRBV13*ap01

473 sequences assigned
461 (97.5%) exact matches, in which:
457 unique CDR3
13 unique J



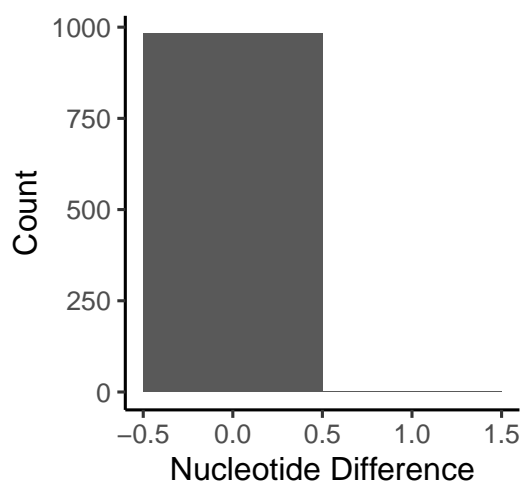
TRBV20–1*ap01

1513 sequences assigned
1510 (99.8%) exact matches, in which:
1505 unique CDR3
13 unique J



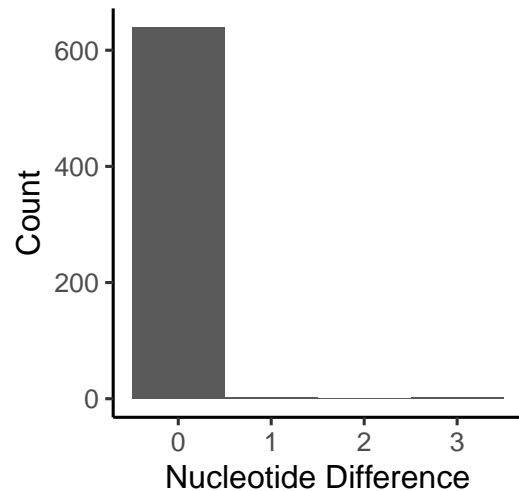
TRBV10–3*ap01

984 sequences assigned
982 (99.8%) exact matches, in which:
979 unique CDR3
13 unique J



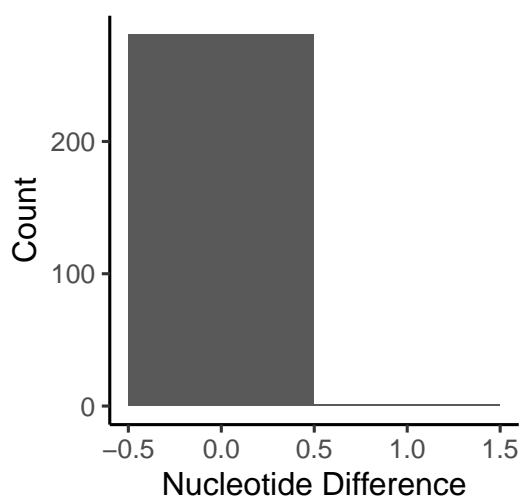
TRBV14*ap01

645 sequences assigned
640 (99.2%) exact matches, in which:
636 unique CDR3
13 unique J



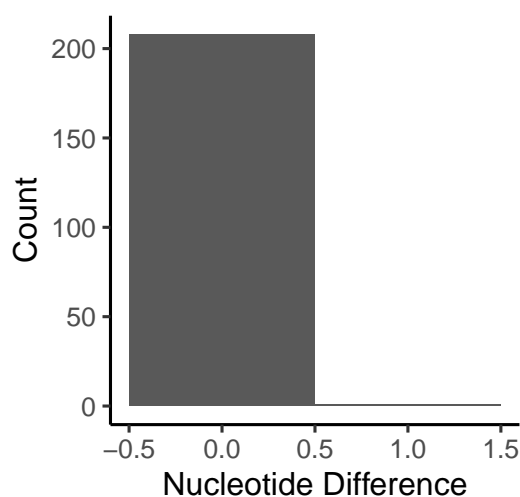
TRBV20–1*ap02

282 sequences assigned
281 (99.6%) exact matches, in which:
281 unique CDR3
13 unique J



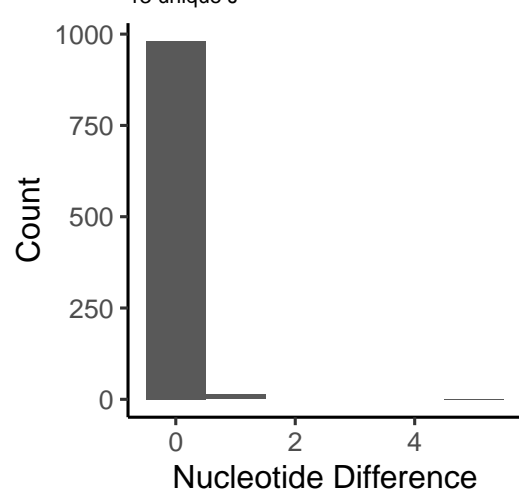
TRBV1*ap01

209 sequences assigned
208 (99.5%) exact matches, in which:
208 unique CDR3
13 unique J



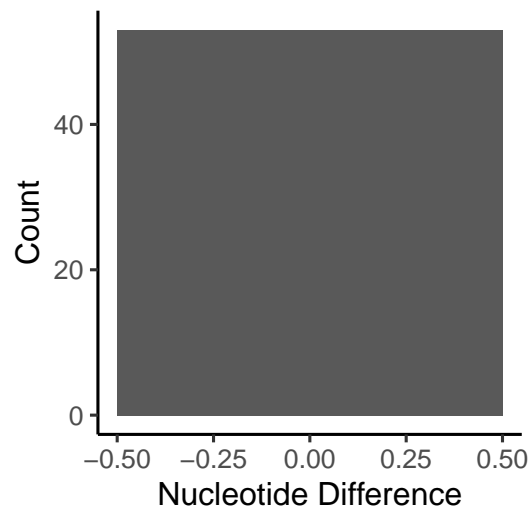
TRBV15*ap02

995 sequences assigned
981 (98.6%) exact matches, in which:
980 unique CDR3
13 unique J



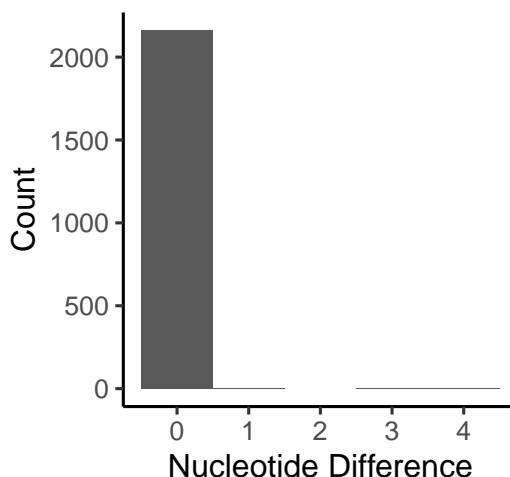
TRBV16*ap01

53 sequences assigned
53 (100%) exact matches, in which:
53 unique CDR3
10 unique J



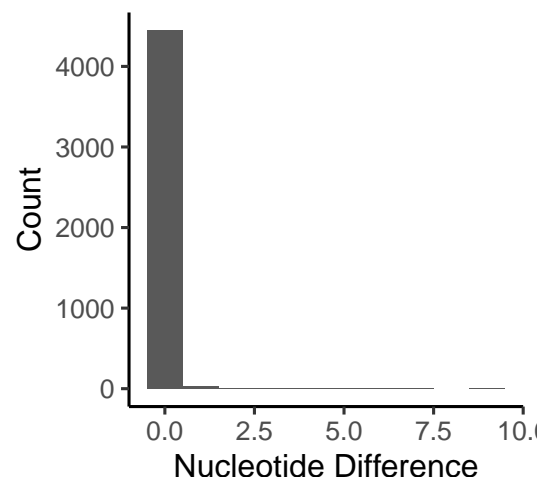
TRBV2*ap01

2166 sequences assigned
2161 (99.8%) exact matches, in which:
2158 unique CDR3
13 unique J



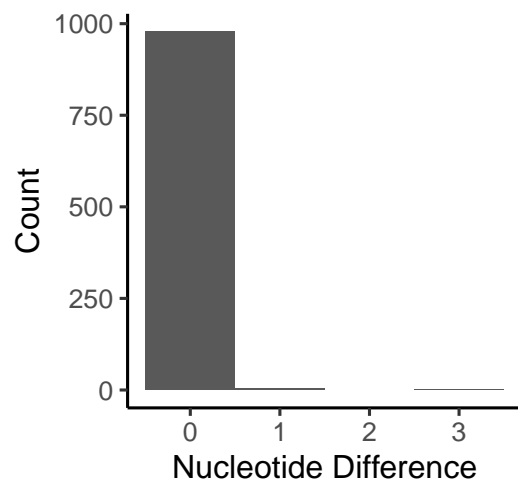
TRBV30*ap01

4486 sequences assigned
4447 (99.1%) exact matches, in which:
4416 unique CDR3
13 unique J



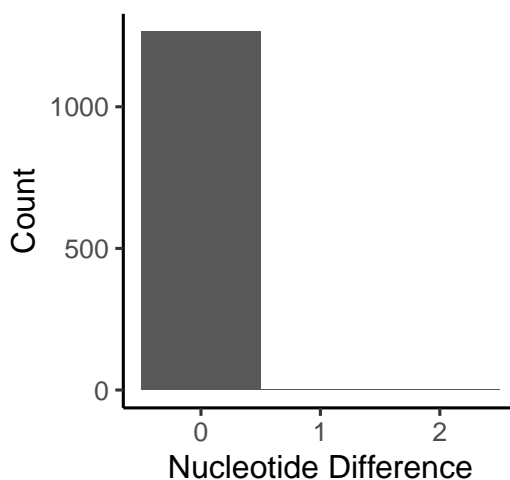
TRBV18*ap01

984 sequences assigned
978 (99.4%) exact matches, in which:
977 unique CDR3
13 unique J



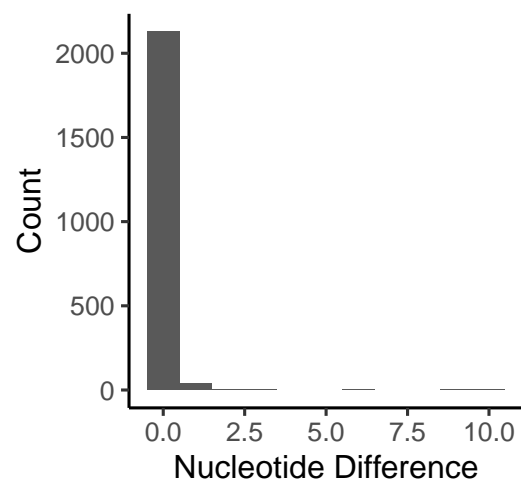
TRBV27*ap01

1270 sequences assigned
1265 (99.6%) exact matches, in which:
1261 unique CDR3
13 unique J



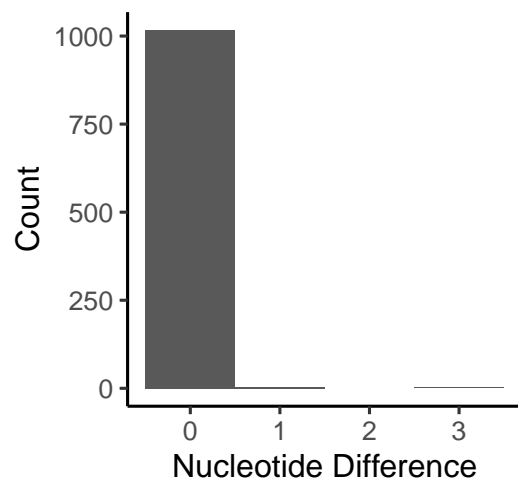
TRBV9*ap01

2174 sequences assigned
2128 (97.9%) exact matches, in which:
2127 unique CDR3
13 unique J



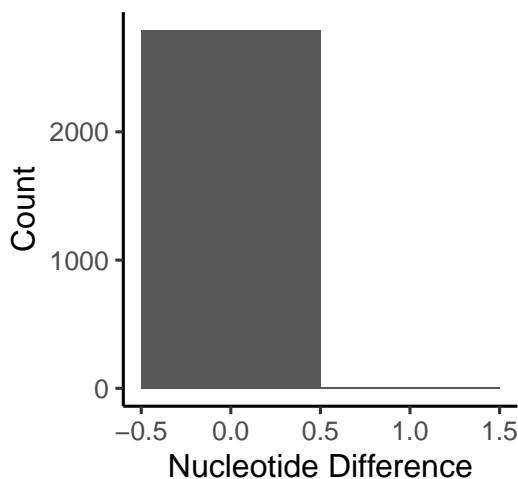
TRBV19*ap01

1023 sequences assigned
1017 (99.4%) exact matches, in which:
1016 unique CDR3
13 unique J



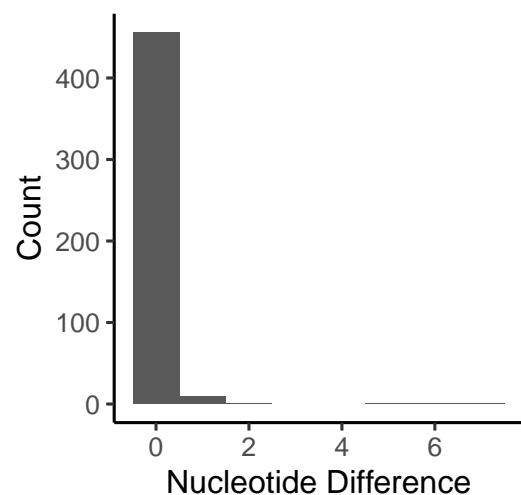
TRBV28*ap01

2802 sequences assigned
2794 (99.7%) exact matches, in which:
2788 unique CDR3
13 unique J



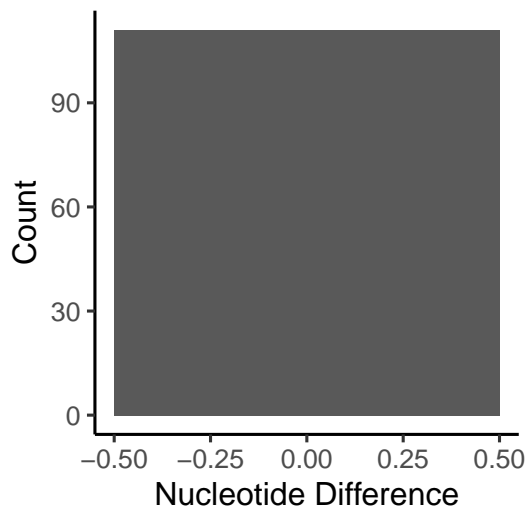
TRBV21-1*ap01

469 sequences assigned
456 (97.2%) exact matches, in which:
454 unique CDR3
13 unique J



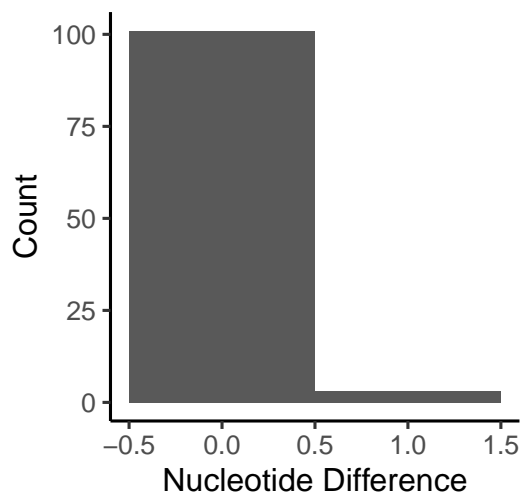
TRBV11-1*ap01

111 sequences assigned
111 (100%) exact matches, in which:
111 unique CDR3
12 unique J



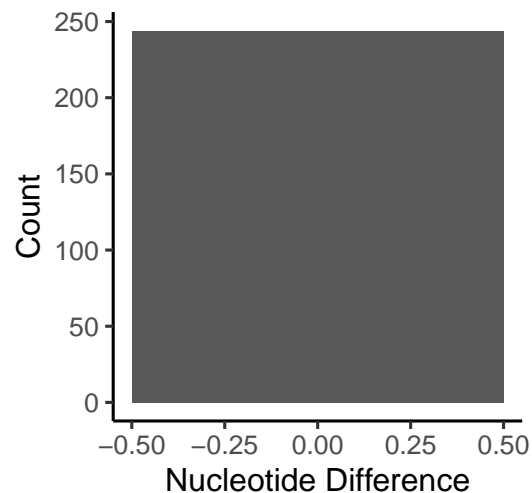
TRBV12-2*ap01

104 sequences assigned
101 (97.1%) exact matches, in which:
101 unique CDR3
13 unique J



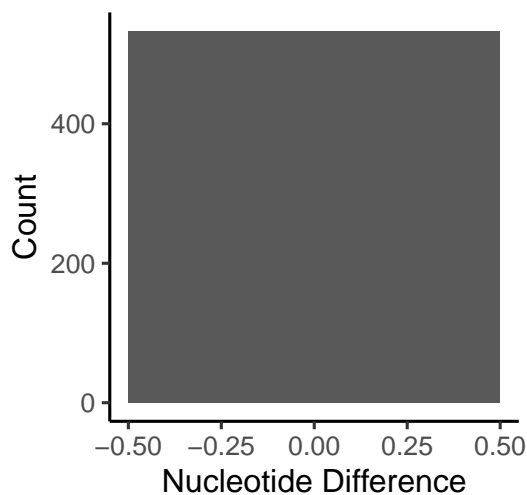
TRBV23-1*ap01

244 sequences assigned
244 (100%) exact matches, in which:
244 unique CDR3
13 unique J



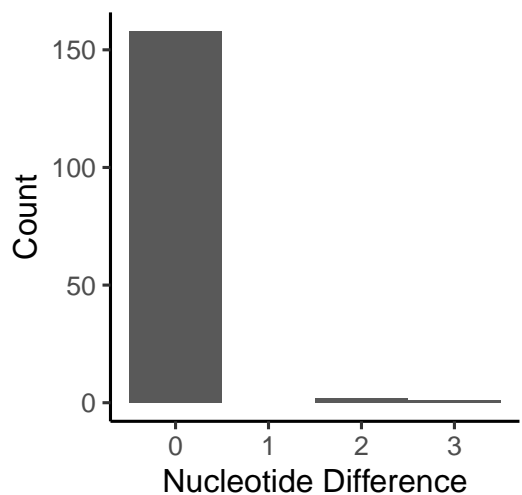
TRBV11-2*ap01

533 sequences assigned
533 (100%) exact matches, in which:
532 unique CDR3
13 unique J



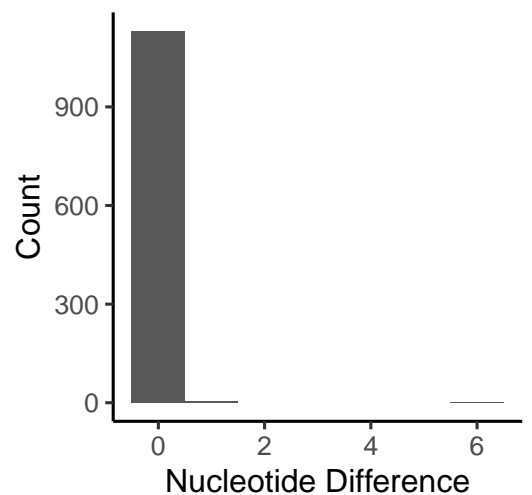
TRBV12-5*ap01

161 sequences assigned
158 (98.1%) exact matches, in which:
158 unique CDR3
13 unique J



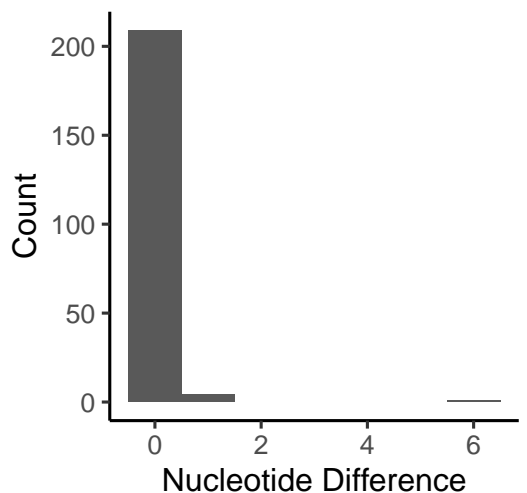
TRBV3-12*ap01

1136 sequences assigned
1131 (99.6%) exact matches, in which:
1131 unique CDR3
13 unique J



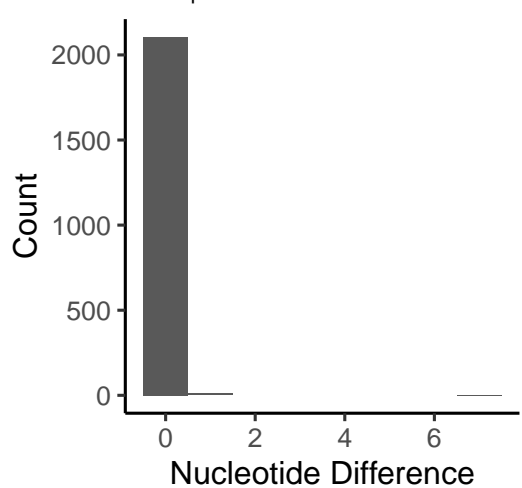
TRBV11-3*ap01

214 sequences assigned
209 (97.7%) exact matches, in which:
208 unique CDR3
11 unique J



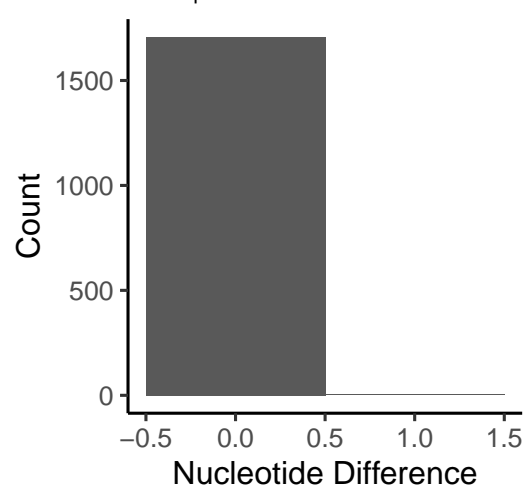
TRBV12-34*ap01

2116 sequences assigned
2105 (99.5%) exact matches, in which:
2103 unique CDR3
13 unique J



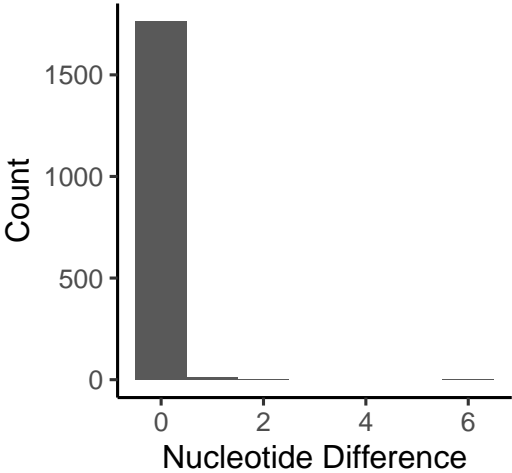
TRBV4-1*ap01

1710 sequences assigned
1707 (99.8%) exact matches, in which:
1702 unique CDR3
13 unique J



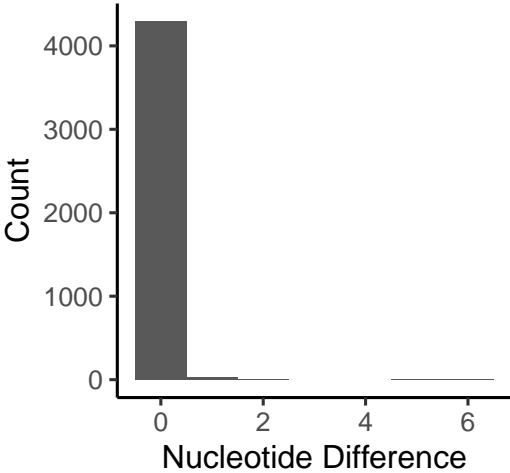
TRBV24-1*ap01

1777 sequences assigned
1763 (99.2%) exact matches, in which:
1748 unique CDR3
13 unique J



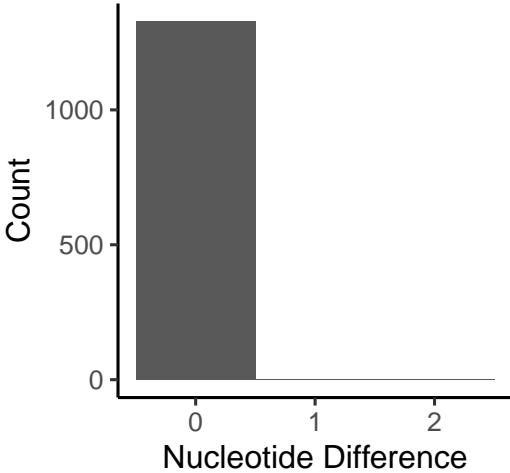
TRBV5-1*ap01

4322 sequences assigned
4293 (99.3%) exact matches, in which:
4283 unique CDR3
13 unique J



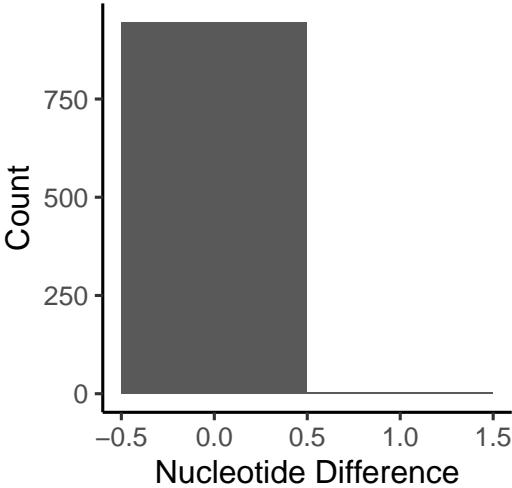
TRBV5-4*ap01

1332 sequences assigned
1328 (99.7%) exact matches, in which:
1324 unique CDR3
13 unique J



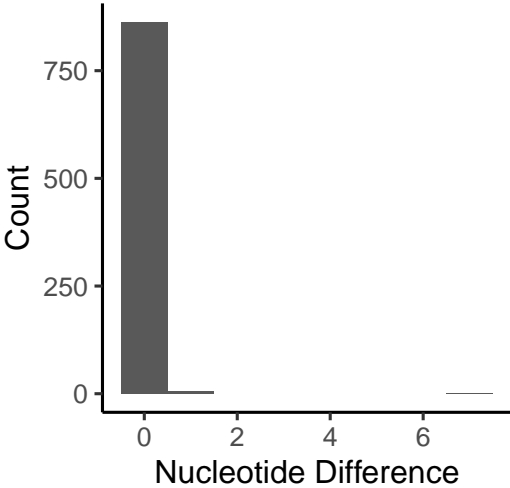
TRBV4-2*ap01

951 sequences assigned
946 (99.5%) exact matches, in which:
946 unique CDR3
13 unique J



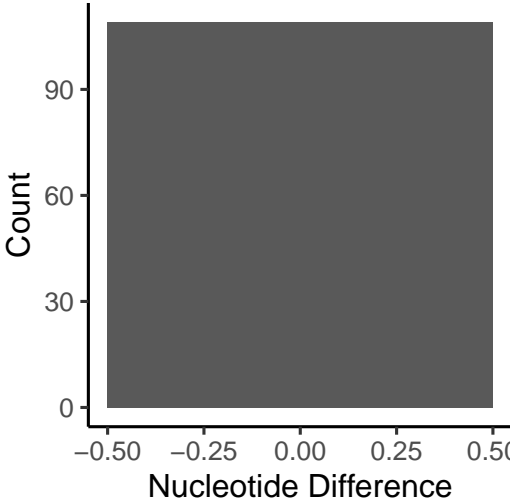
TRBV25-1*ap01

869 sequences assigned
863 (99.3%) exact matches, in which:
860 unique CDR3
13 unique J



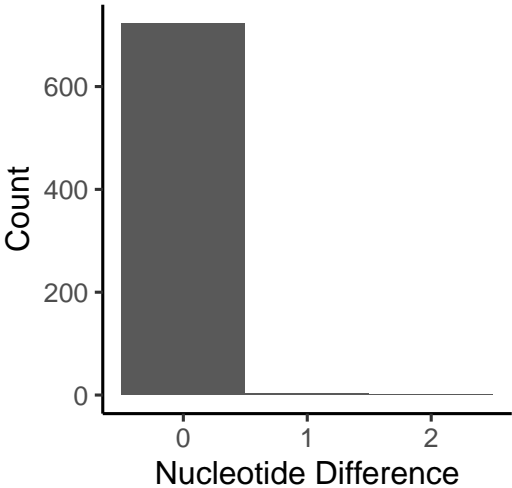
TRBV5-5*ap01

109 sequences assigned
109 (100%) exact matches, in which:
109 unique CDR3
13 unique J



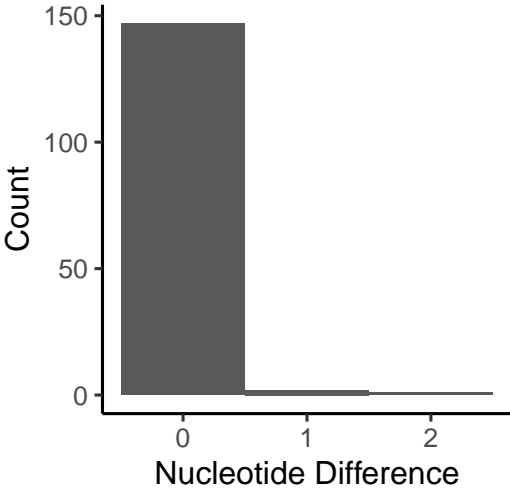
TRBV4-3*ap01

727 sequences assigned
723 (99.4%) exact matches, in which:
721 unique CDR3
13 unique J



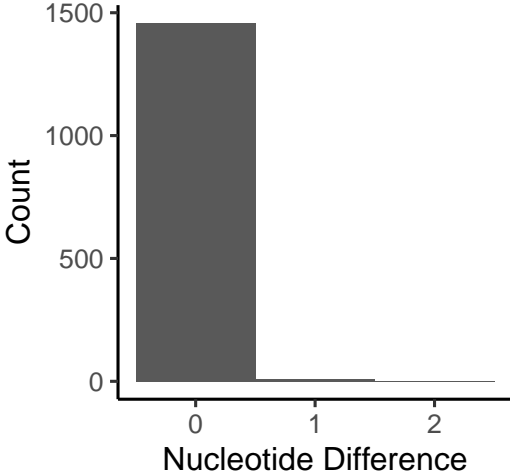
TRBV5-3*ap01

150 sequences assigned
147 (98%) exact matches, in which:
144 unique CDR3
13 unique J



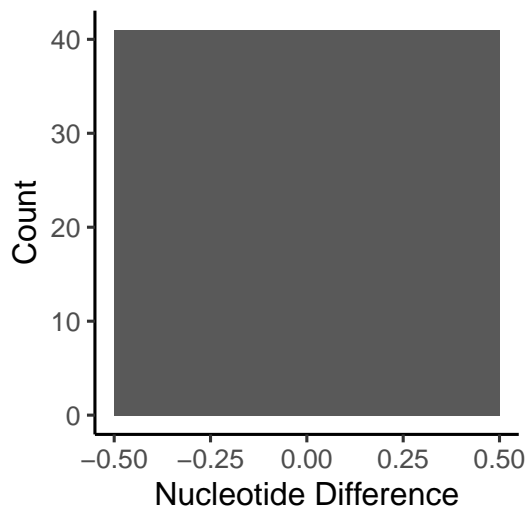
TRBV5-6*ap01

1468 sequences assigned
1458 (99.3%) exact matches, in which:
1454 unique CDR3
13 unique J



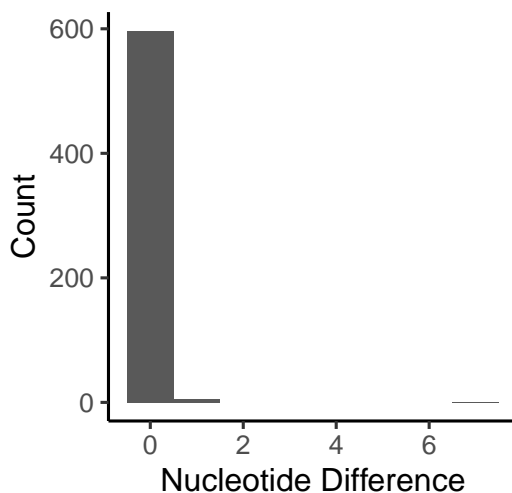
TRBV5-7*ap01

41 sequences assigned
41 (100%) exact matches, in which:
41 unique CDR3
9 unique J



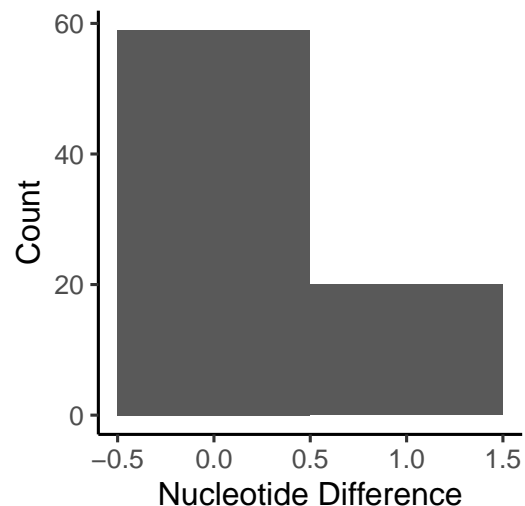
TRBV6-4*ap01

603 sequences assigned
597 (99%) exact matches, in which:
596 unique CDR3
13 unique J



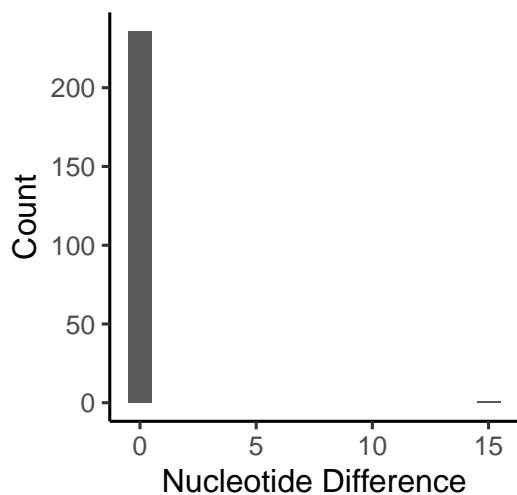
TRBV6-9*ap01

79 sequences assigned
59 (74.7%) exact matches, in which:
58 unique CDR3
11 unique J



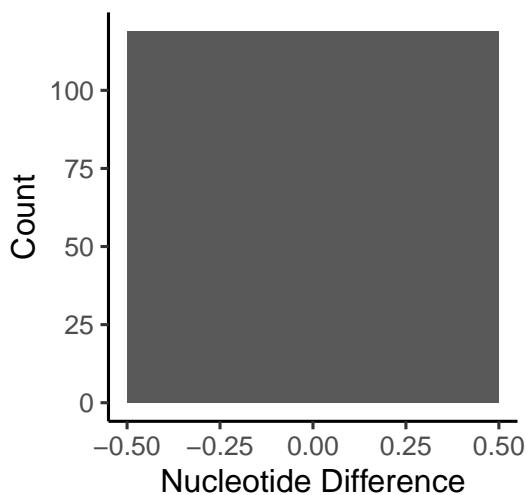
TRBV5-8*ap01

237 sequences assigned
236 (99.6%) exact matches, in which:
236 unique CDR3
13 unique J



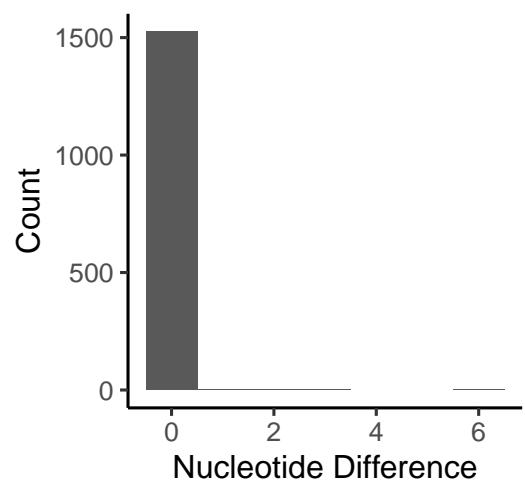
TRBV6-7*ap01

119 sequences assigned
119 (100%) exact matches, in which:
119 unique CDR3
13 unique J



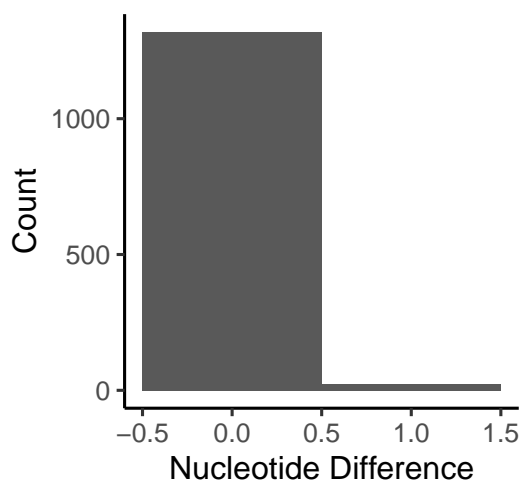
TRBV6-23*ap01

1531 sequences assigned
1525 (99.6%) exact matches, in which:
1518 unique CDR3
13 unique J



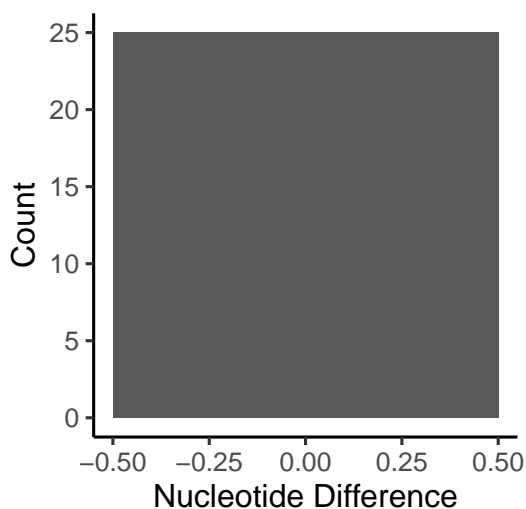
TRBV6-1*ap01

1342 sequences assigned
1319 (98.3%) exact matches, in which:
1315 unique CDR3
13 unique J



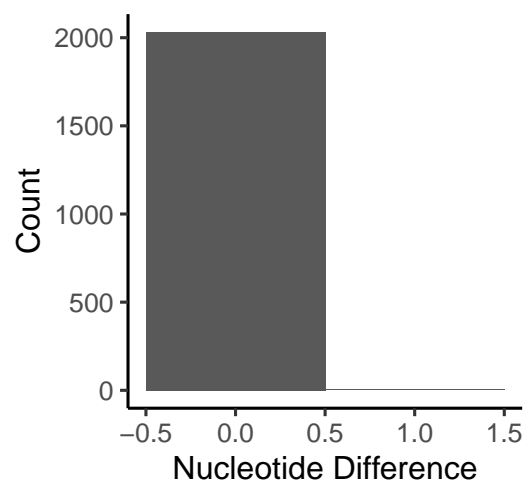
TRBV6-8*ap01

25 sequences assigned
25 (100%) exact matches, in which:
25 unique CDR3
8 unique J



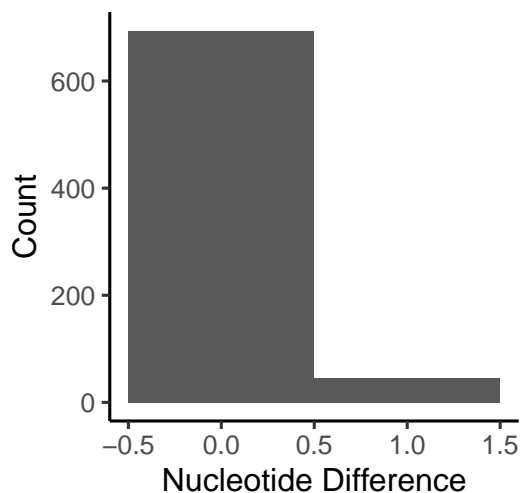
TRBV6-56*ap01

2036 sequences assigned
2032 (99.8%) exact matches, in which:
2025 unique CDR3
13 unique J



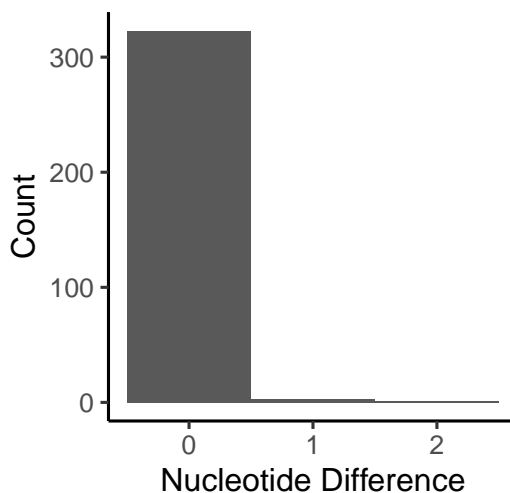
TRBV6–56*ap02

739 sequences assigned
694 (93.9%) exact matches, in which:
692 unique CDR3
13 unique J



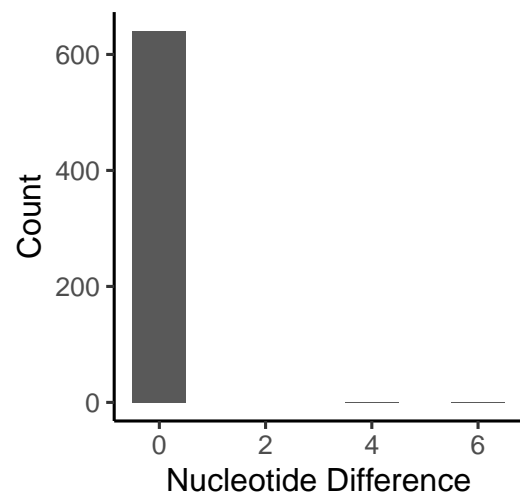
TRBV7–3*ap01

327 sequences assigned
323 (98.8%) exact matches, in which:
323 unique CDR3
12 unique J



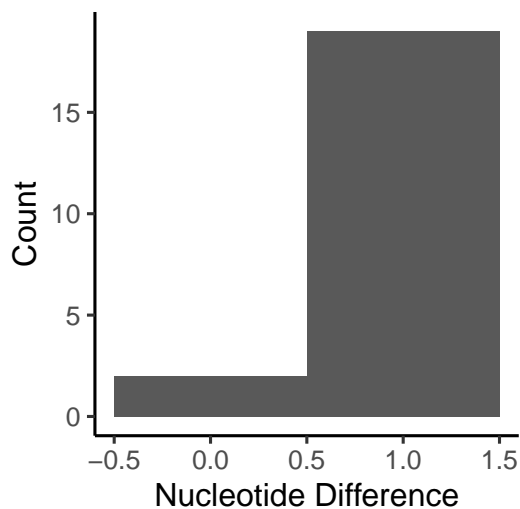
TRBV7–6*ap01

643 sequences assigned
641 (99.7%) exact matches, in which:
638 unique CDR3
13 unique J



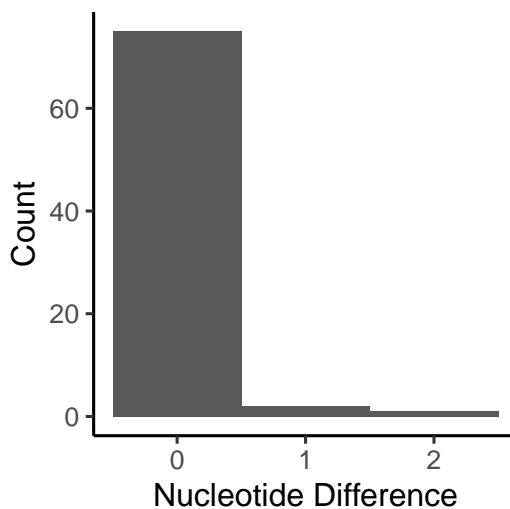
TRBV7–1*ap01_T296C

21 sequences assigned
2 (9.5%) exact matches, in which:
2 unique CDR3
2 unique J



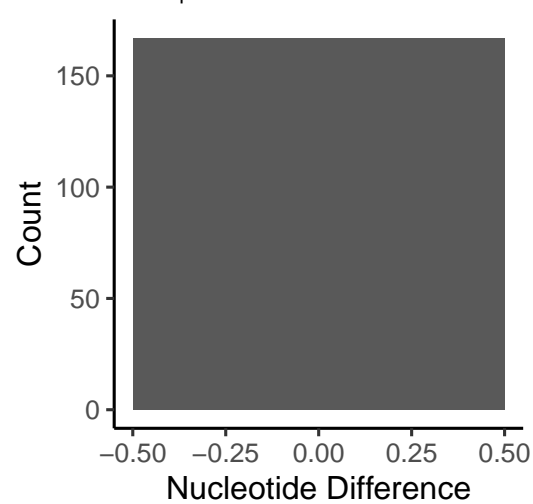
TRBV7–3*ap01_G292T

78 sequences assigned
75 (96.2%) exact matches, in which:
75 unique CDR3
10 unique J



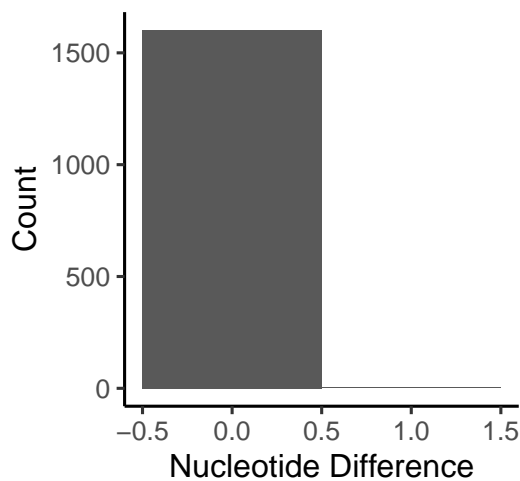
TRBV7–7*ap01

167 sequences assigned
167 (100%) exact matches, in which:
167 unique CDR3
13 unique J



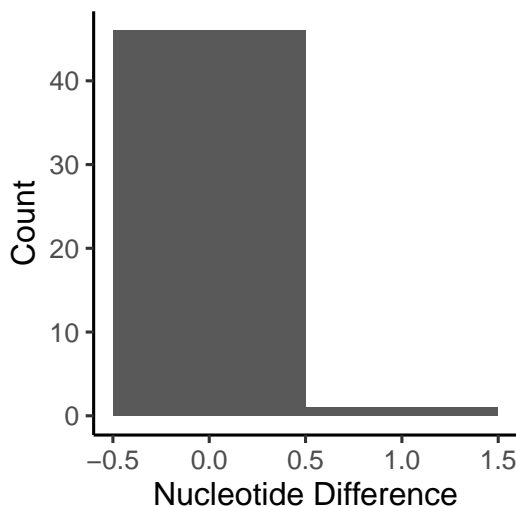
TRBV7–2*ap01

1605 sequences assigned
1602 (99.8%) exact matches, in which:
1598 unique CDR3
13 unique J



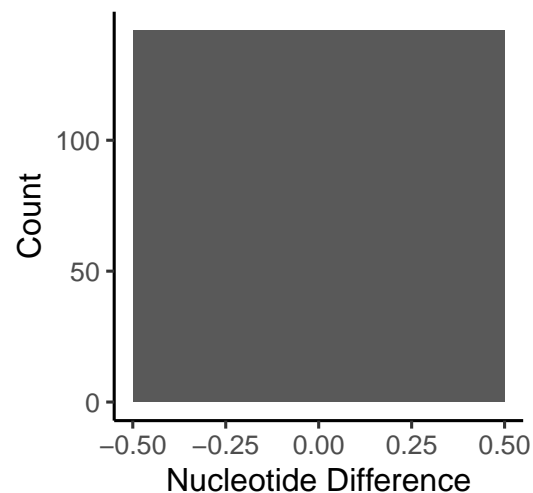
TRBV7–4*ap01

47 sequences assigned
46 (97.9%) exact matches, in which:
46 unique CDR3
11 unique J



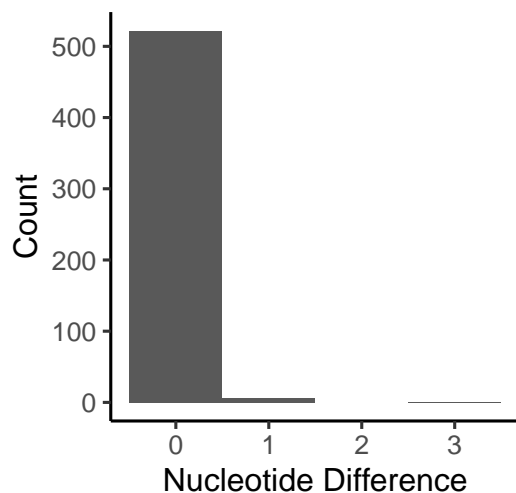
TRBV7–7*ap01_C315T

142 sequences assigned
142 (100%) exact matches, in which:
142 unique CDR3
12 unique J



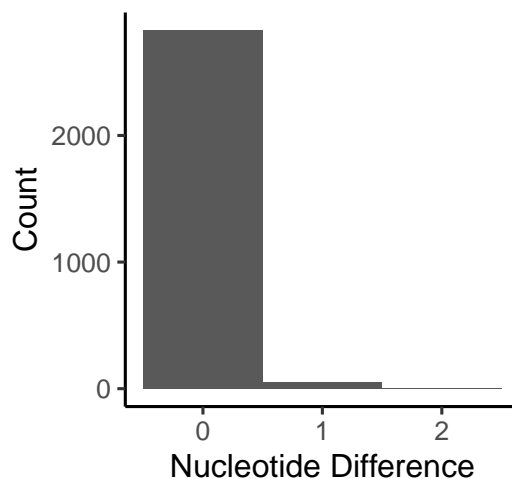
TRBV7-8*ap01

529 sequences assigned
522 (98.7%) exact matches, in which:
517 unique CDR3
13 unique J



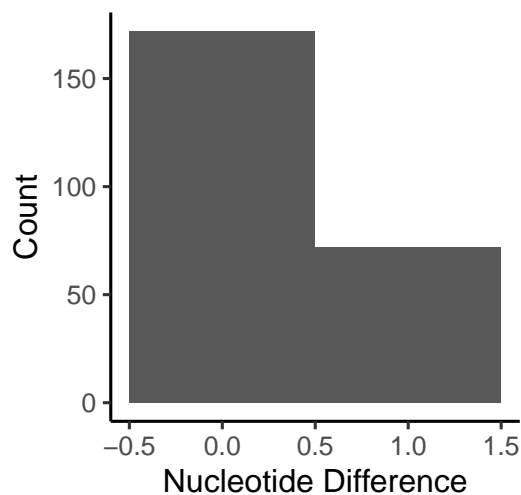
TRBV29-1*ap01

2884 sequences assigned
2830 (98.1%) exact matches, in which:
2807 unique CDR3
13 unique J



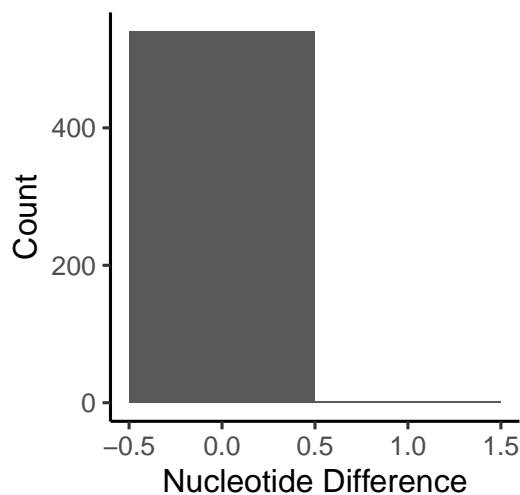
TRBV7-8*ap03

244 sequences assigned
172 (70.5%) exact matches, in which:
172 unique CDR3
13 unique J



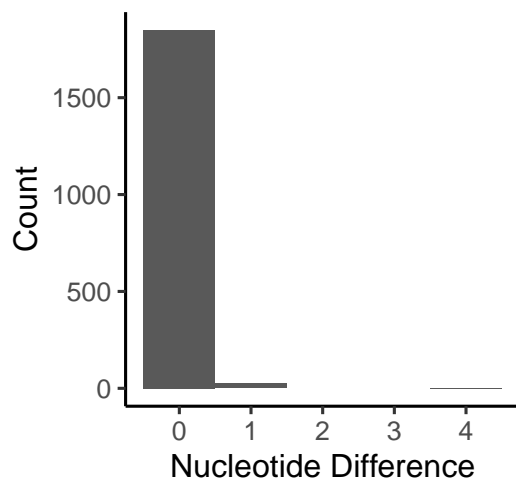
TRBV29-1*ap02

543 sequences assigned
541 (99.6%) exact matches, in which:
536 unique CDR3
13 unique J

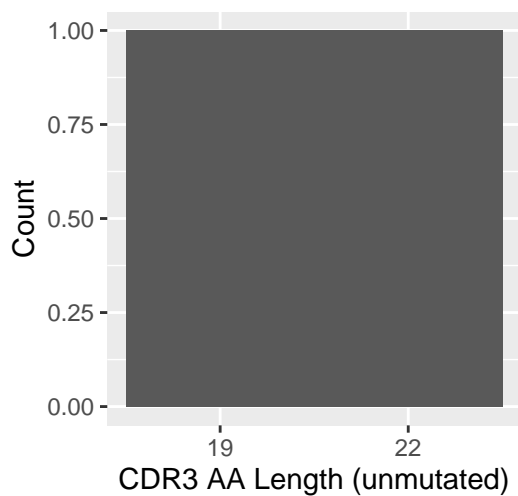


TRBV7-9*ap01

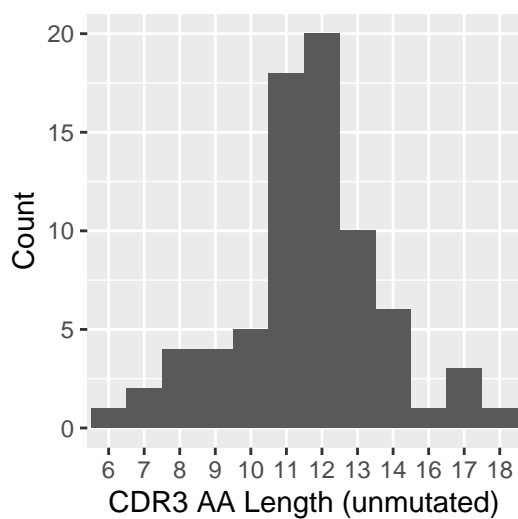
1874 sequences assigned
1849 (98.7%) exact matches, in which:
1846 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-3*ap01_G292T



TRBV7-7*ap01_C315T

