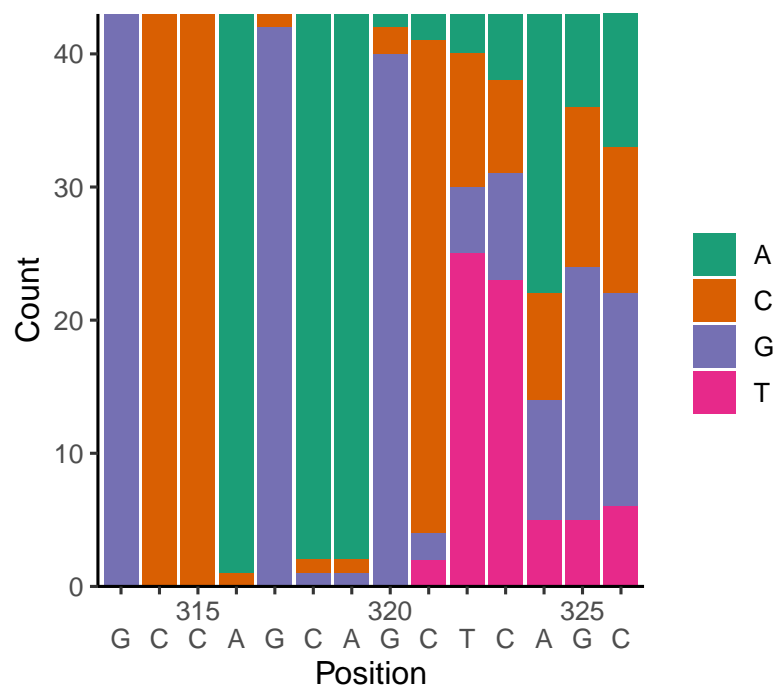
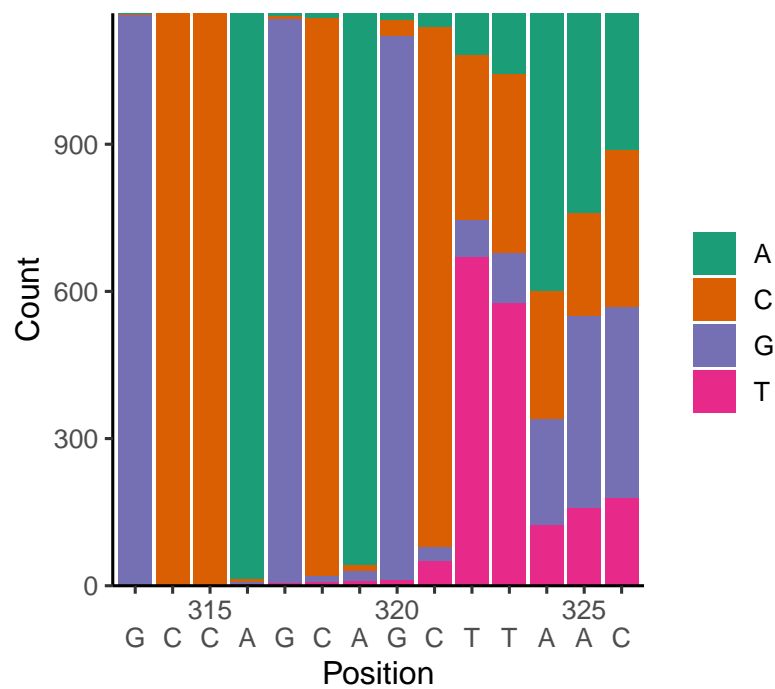


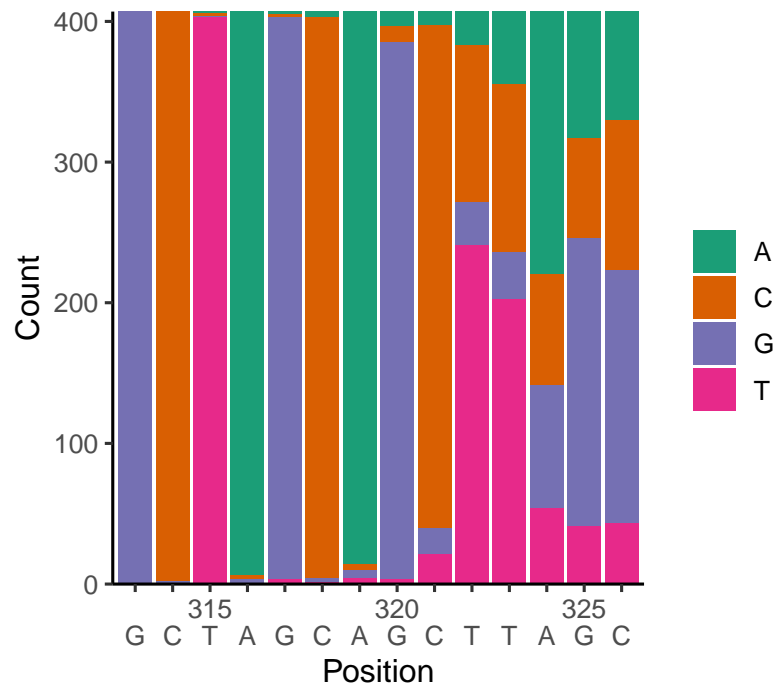
Gene TRBV7-1*ap01_G291C_T296C



Gene TRBV7-3*ap01_G301A



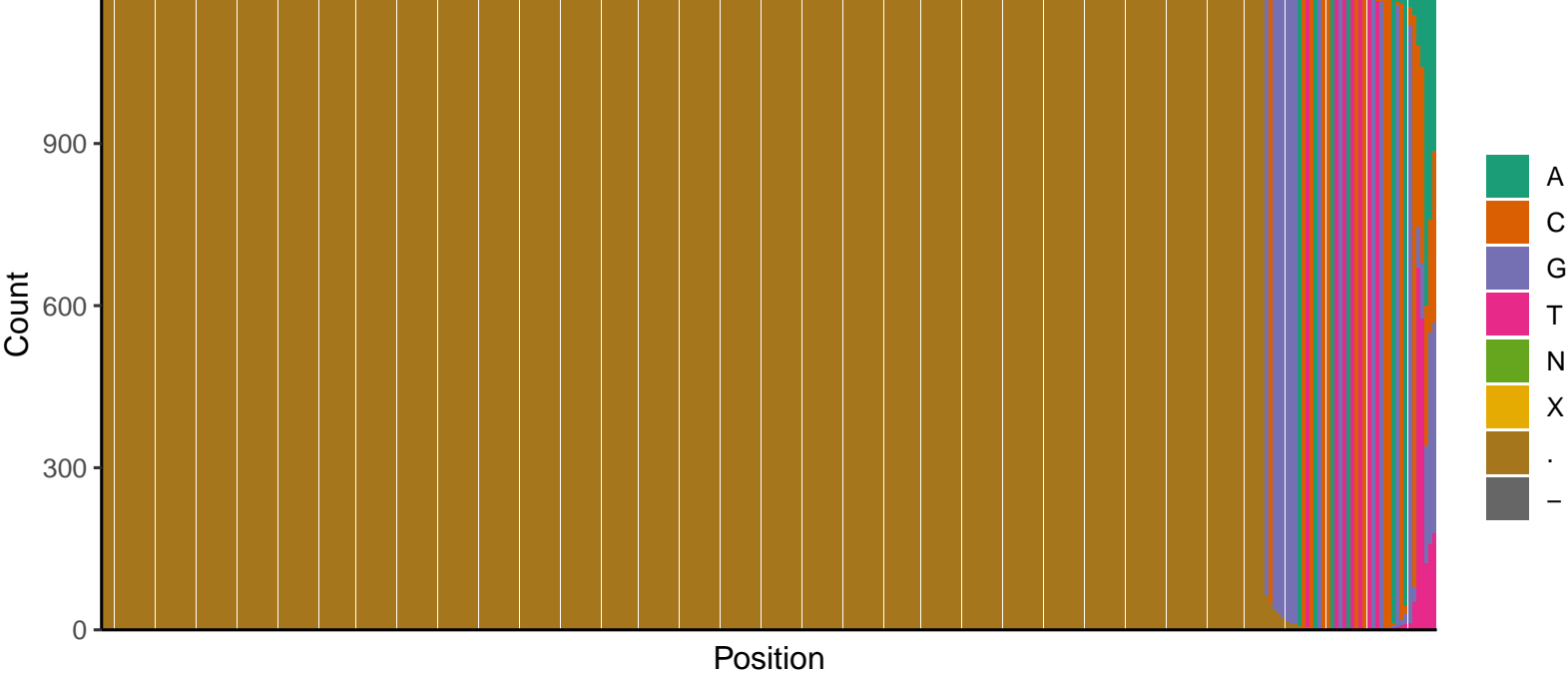
Gene TRBV7-7*ap01_C315T



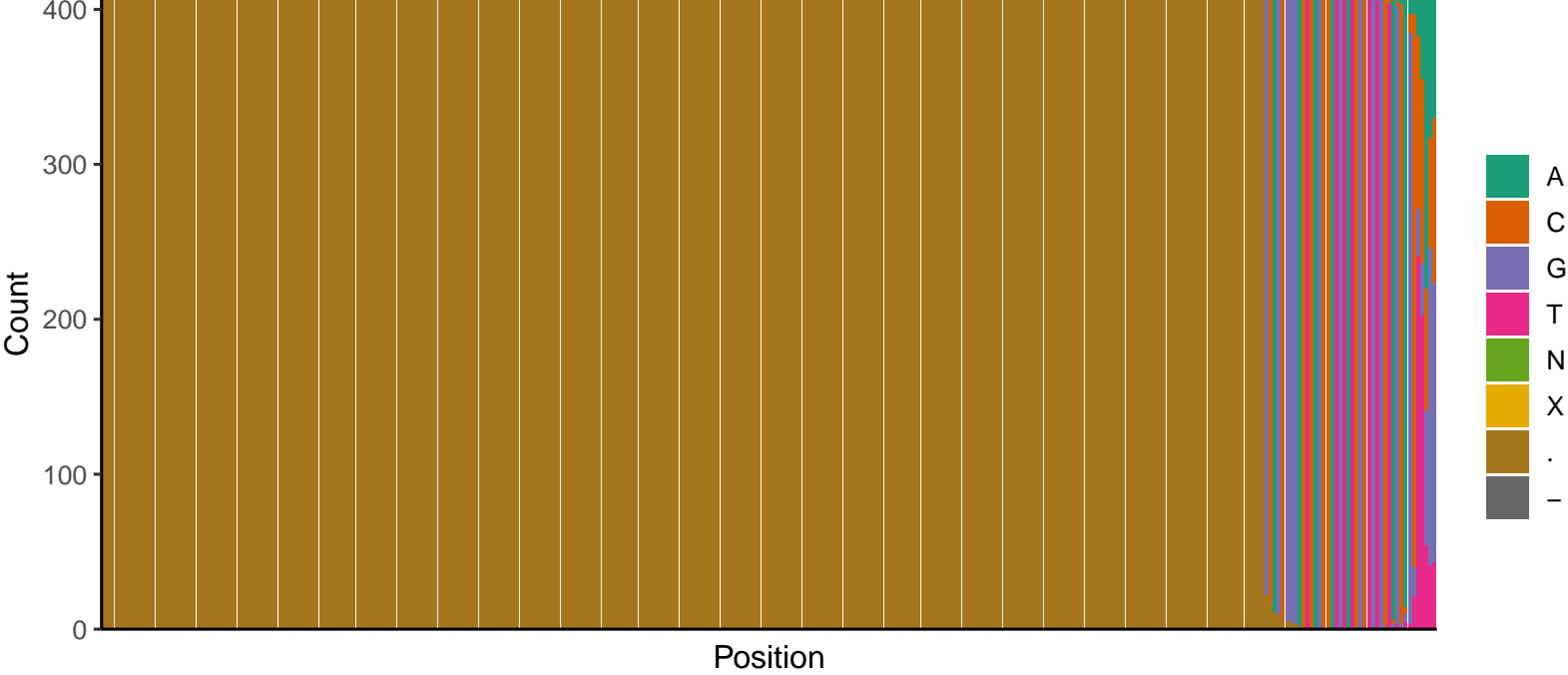
Gene TRBV7-1*ap01_G291C_T296C



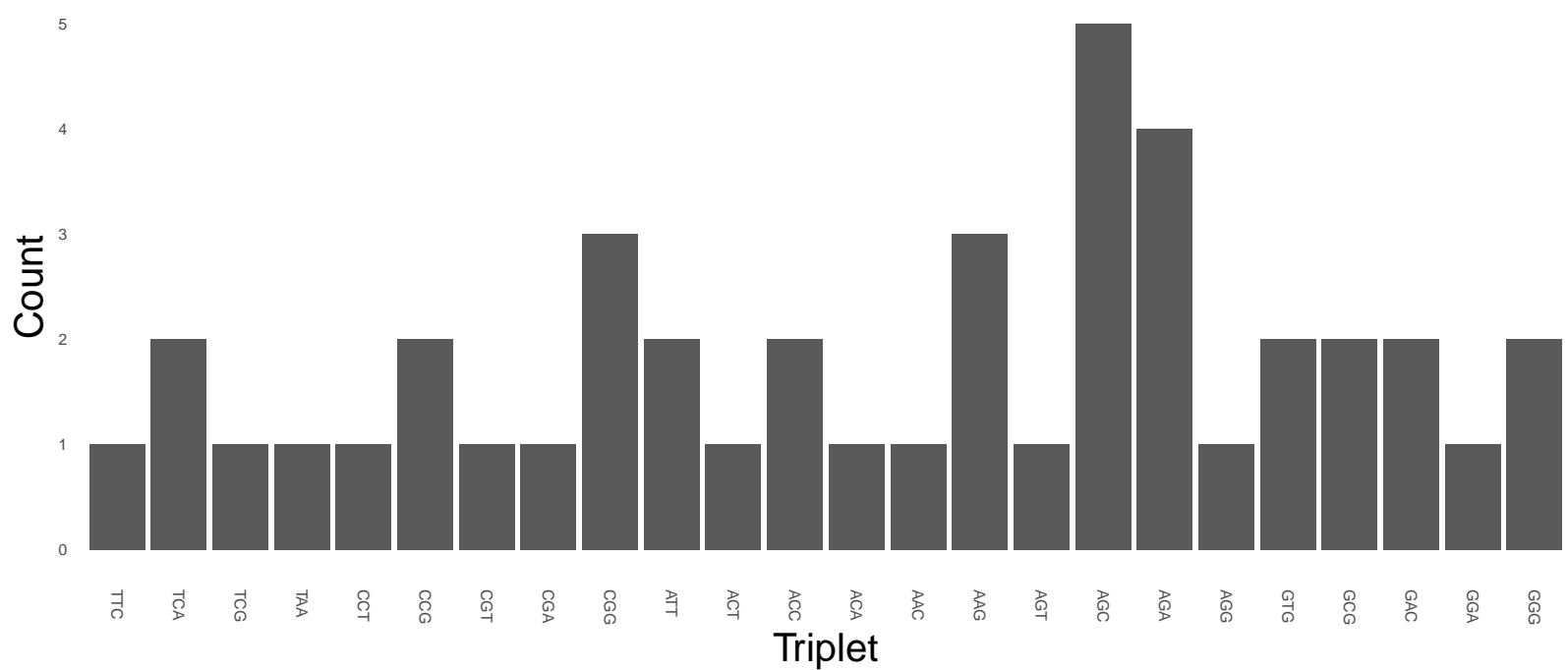
Gene TRBV7-3*ap01_G301A



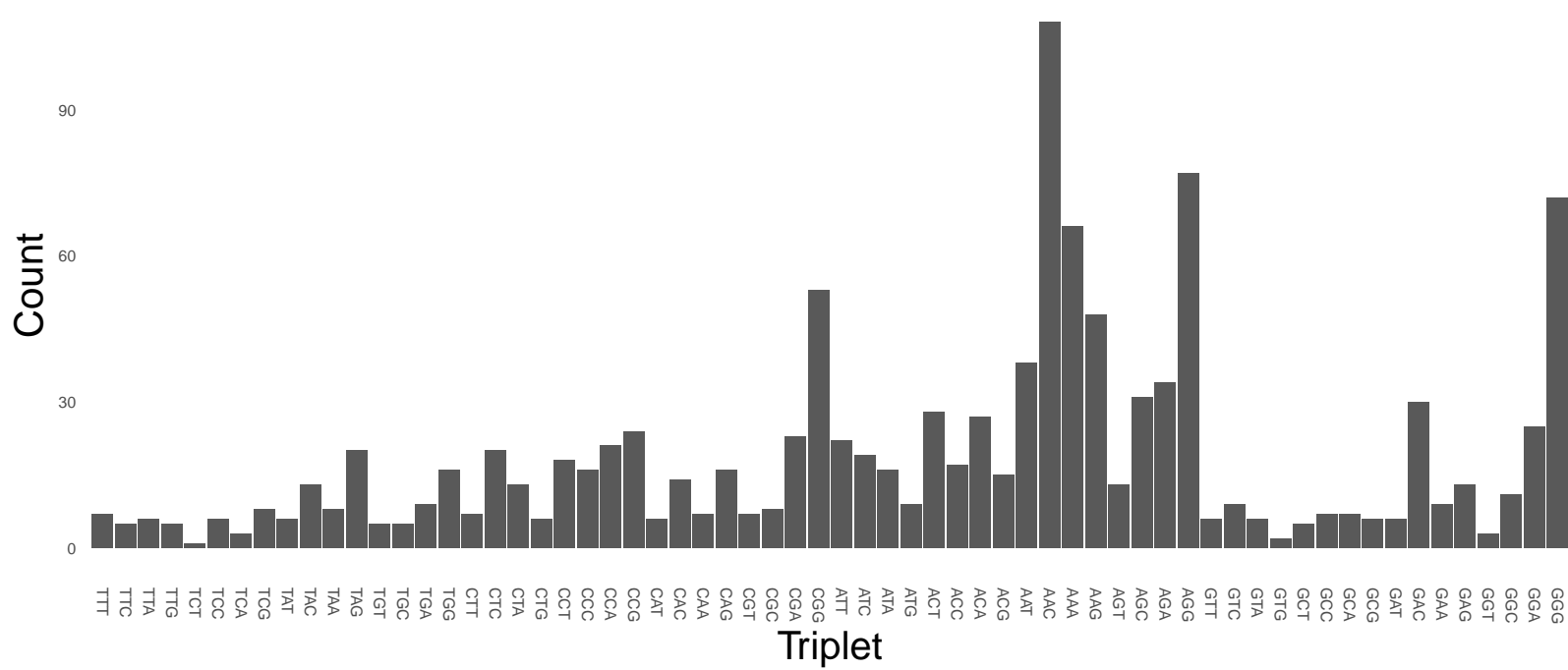
Gene TRBV7-7*ap01_C315T



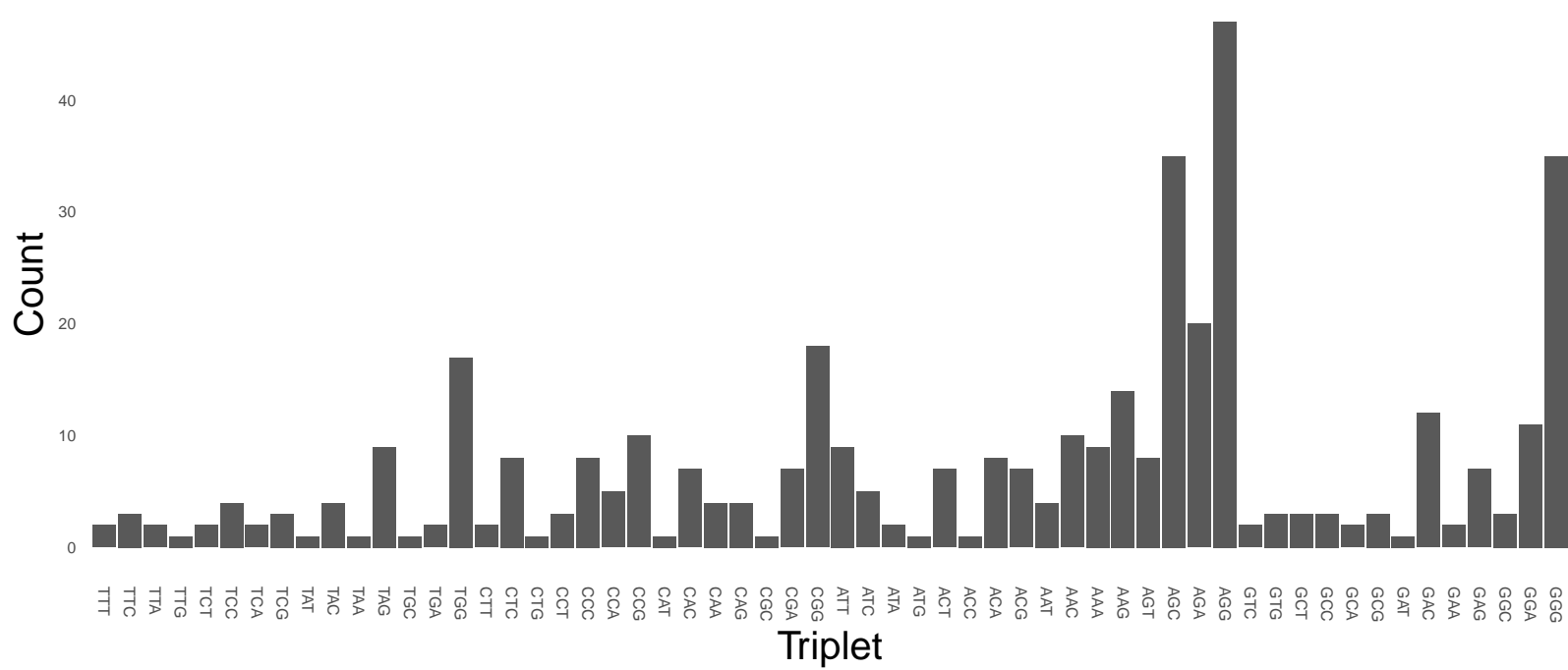
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



TRBV7-3*ap01_G301A- Final 3 nucleotides as a triplet

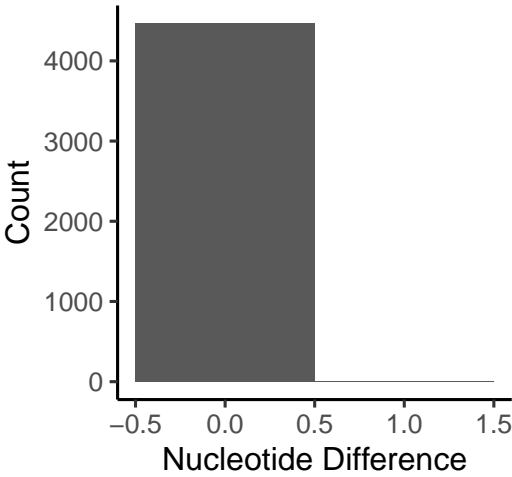


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



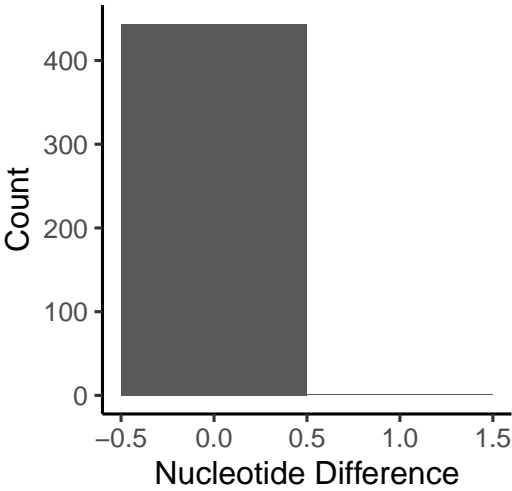
TRBV20–1*ap01

4478 sequences assigned
4467 (99.8%) exact matches, in which:
4453 unique CDR3
13 unique J



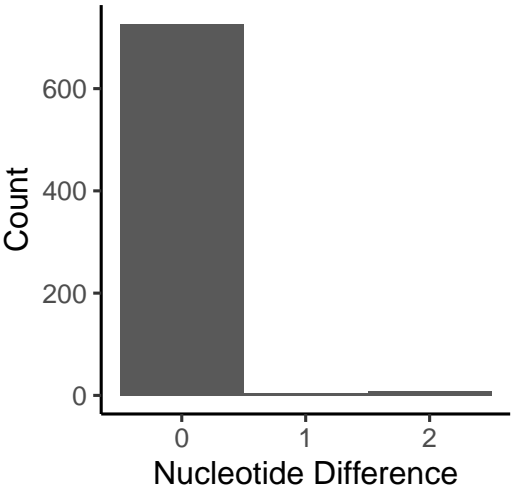
TRBV10–2*ap01

445 sequences assigned
444 (99.8%) exact matches, in which:
444 unique CDR3
13 unique J



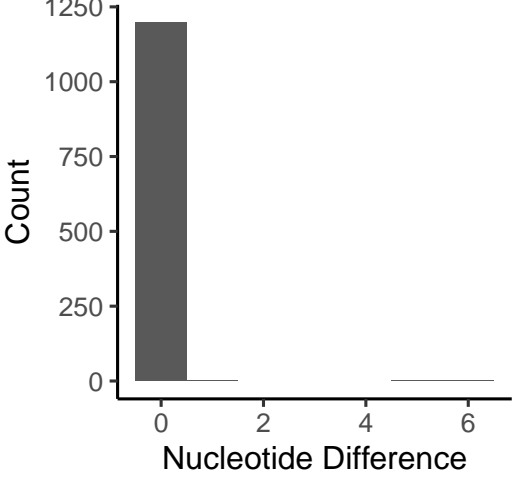
TRBV13*ap01

739 sequences assigned
727 (98.4%) exact matches, in which:
724 unique CDR3
13 unique J



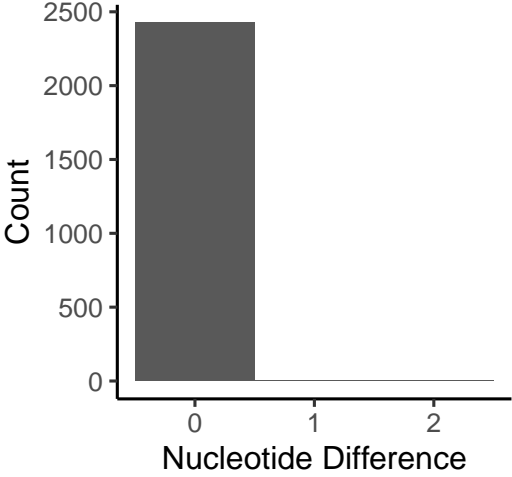
TRBV10–1*ap01

1201 sequences assigned
1197 (99.7%) exact matches, in which:
1196 unique CDR3
13 unique J



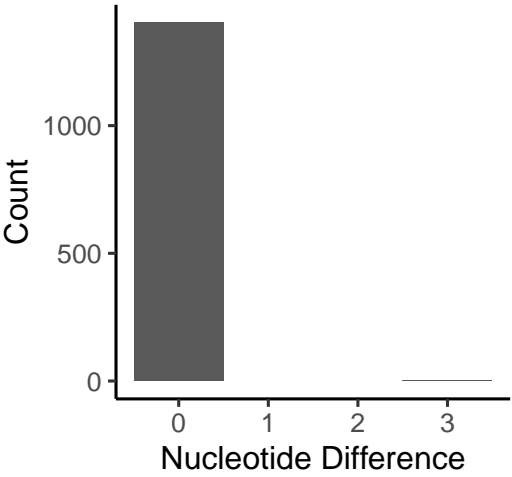
TRBV10–3*ap01

2433 sequences assigned
2426 (99.7%) exact matches, in which:
2419 unique CDR3
13 unique J



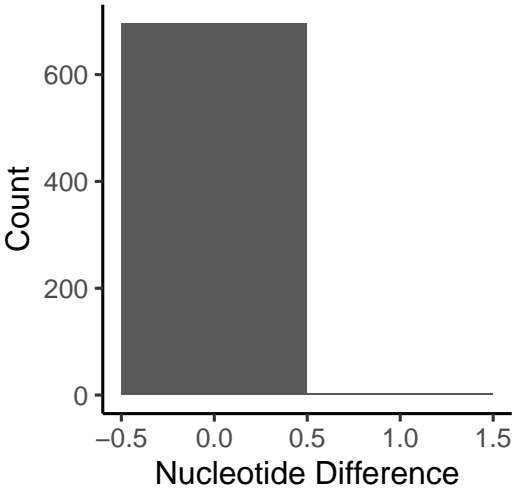
TRBV14*ap01

1404 sequences assigned
1403 (99.9%) exact matches, in which:
1401 unique CDR3
13 unique J



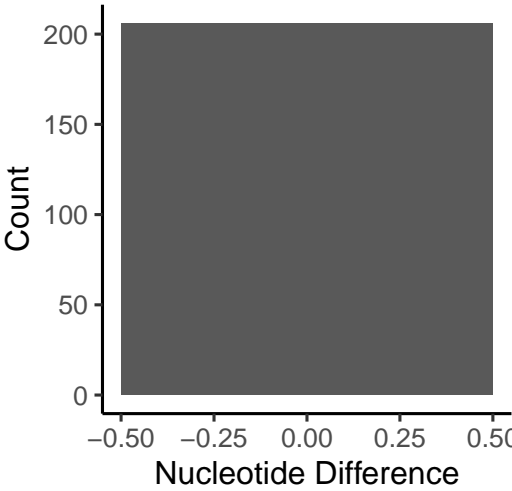
TRBV20–1*ap02

699 sequences assigned
696 (99.6%) exact matches, in which:
696 unique CDR3
13 unique J



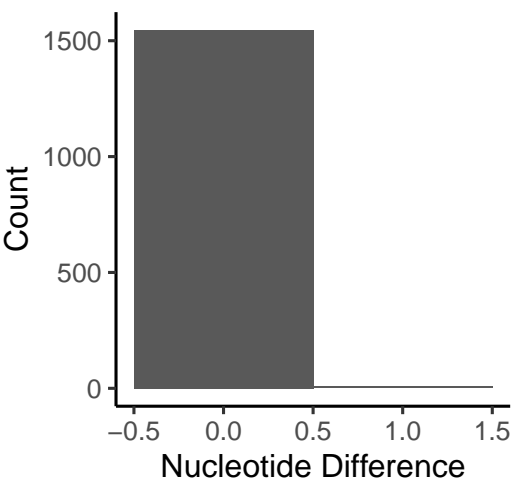
TRBV1*ap01

206 sequences assigned
206 (100%) exact matches, in which:
206 unique CDR3
13 unique J



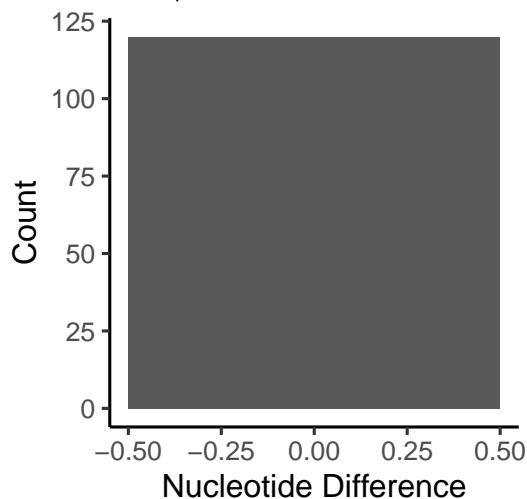
TRBV15*ap02

1554 sequences assigned
1546 (99.5%) exact matches, in which:
1537 unique CDR3
13 unique J



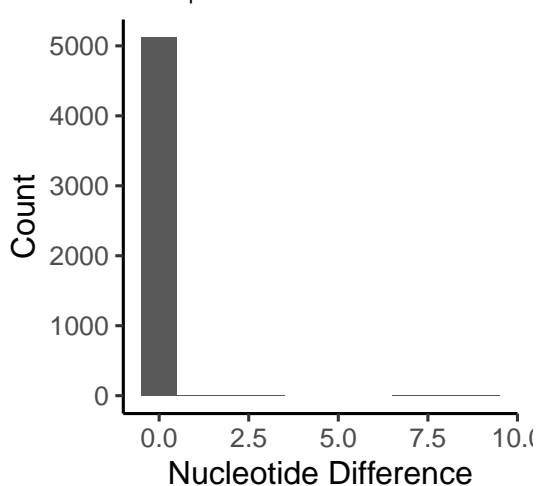
TRBV16*ap01

120 sequences assigned
120 (100%) exact matches, in which:
119 unique CDR3
13 unique J



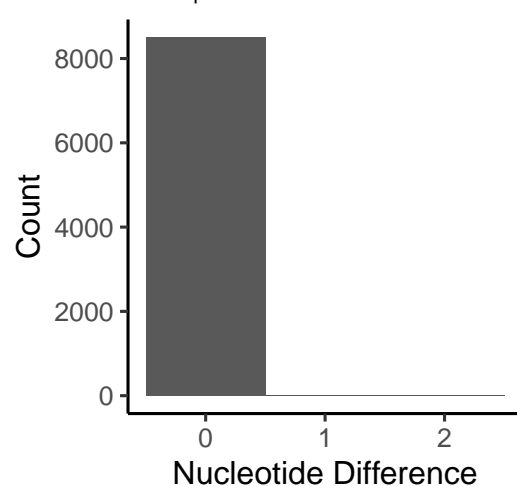
TRBV19*ap01

5135 sequences assigned
5121 (99.7%) exact matches, in which:
5120 unique CDR3
13 unique J



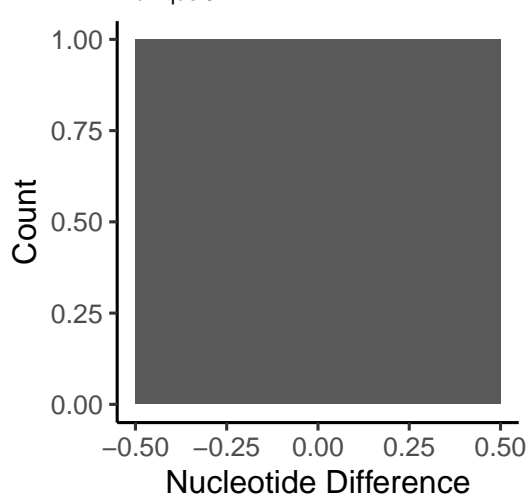
TRBV28*ap01

8518 sequences assigned
8501 (99.8%) exact matches, in which:
8490 unique CDR3
13 unique J



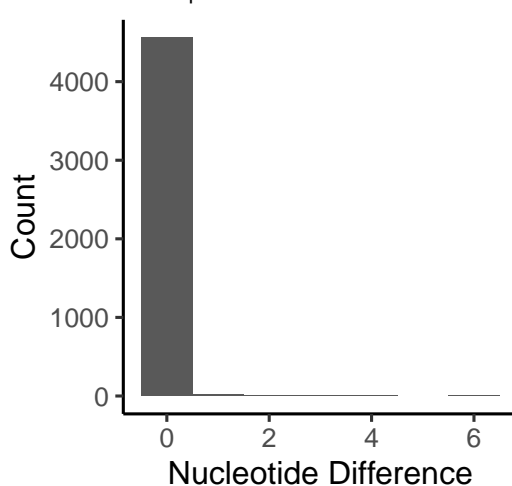
TRBV17*ap01

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



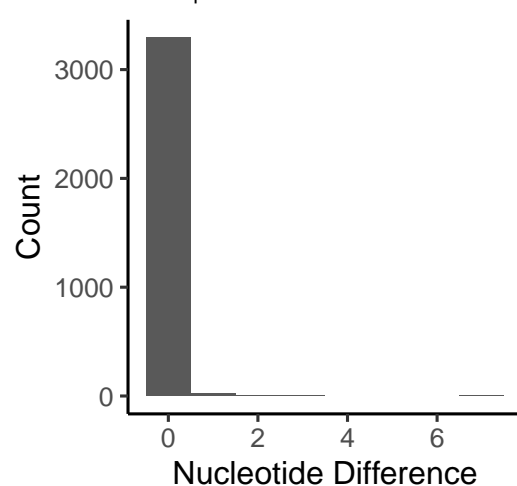
TRBV2*ap01

4584 sequences assigned
4559 (99.5%) exact matches, in which:
4552 unique CDR3
13 unique J



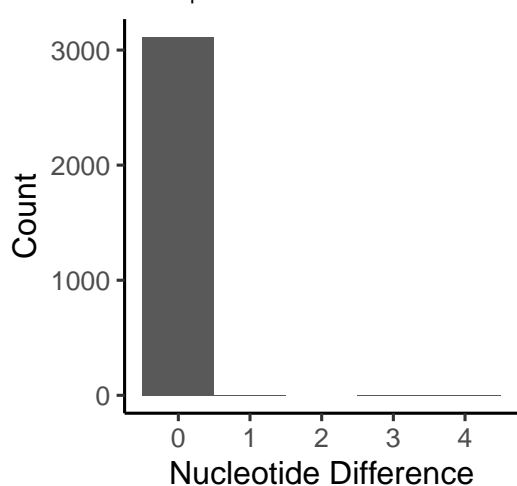
TRBV30*ap01

3316 sequences assigned
3293 (99.3%) exact matches, in which:
3285 unique CDR3
13 unique J



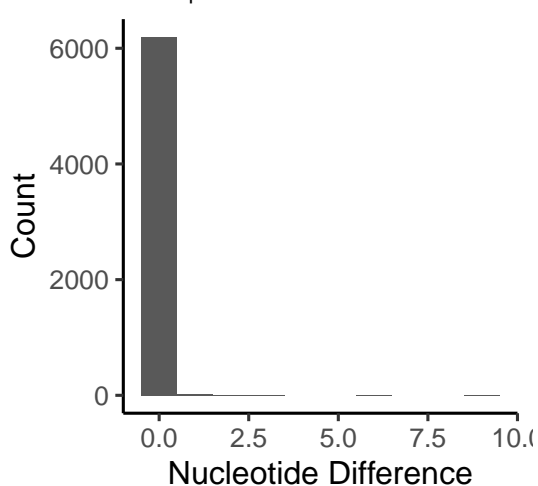
TRBV18*ap01

3117 sequences assigned
3113 (99.9%) exact matches, in which:
3111 unique CDR3
13 unique J



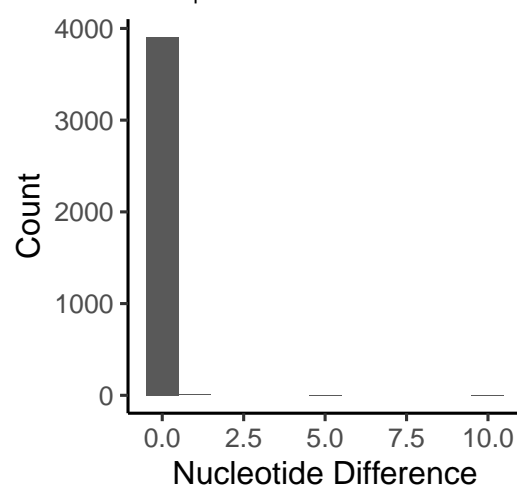
TRBV27*ap01

6221 sequences assigned
6194 (99.6%) exact matches, in which:
6169 unique CDR3
13 unique J



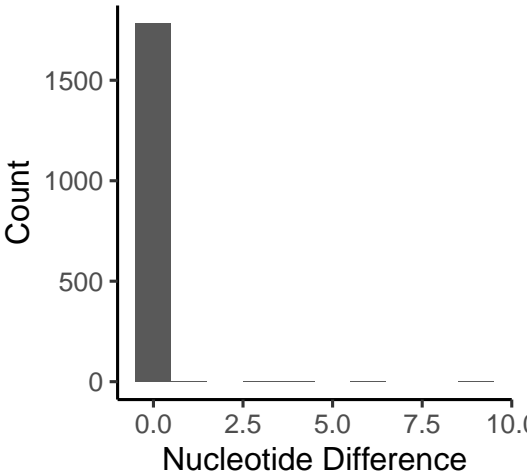
TRBV9*ap01

3916 sequences assigned
3906 (99.7%) exact matches, in which:
3891 unique CDR3
13 unique J



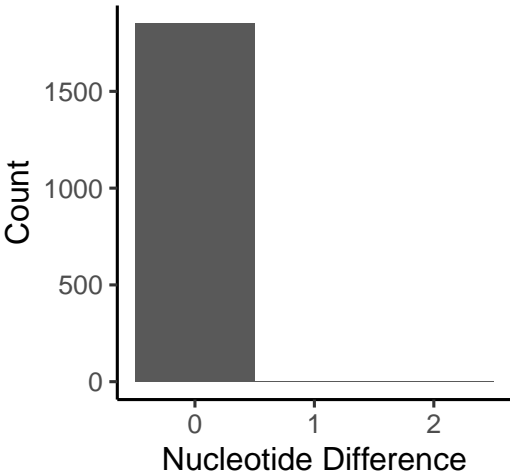
TRBV21-1*ap01

1790 sequences assigned
1783 (99.6%) exact matches, in which:
1781 unique CDR3
13 unique J



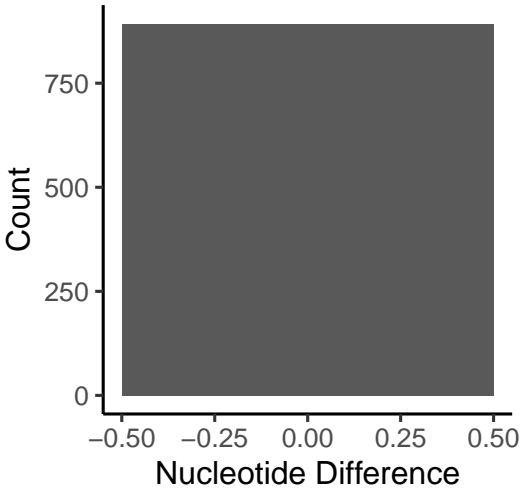
TRBV11-3*ap01

1857 sequences assigned
1851 (99.7%) exact matches, in which:
1851 unique CDR3
13 unique J



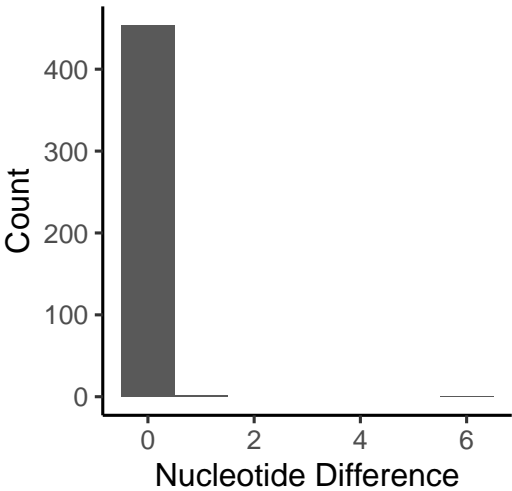
TRBV12-5*ap01

893 sequences assigned
893 (100%) exact matches, in which:
893 unique CDR3
13 unique J



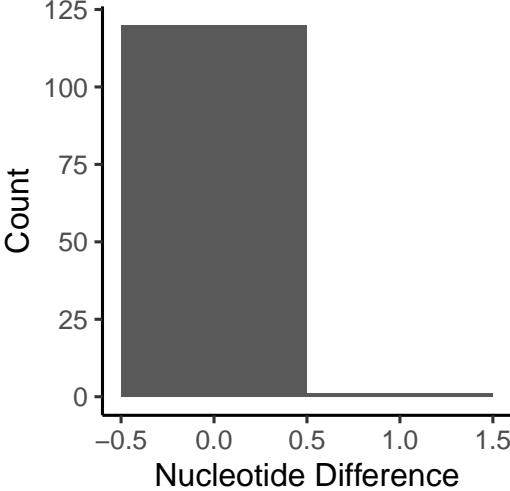
TRBV11-1*ap01

457 sequences assigned
454 (99.3%) exact matches, in which:
453 unique CDR3
13 unique J



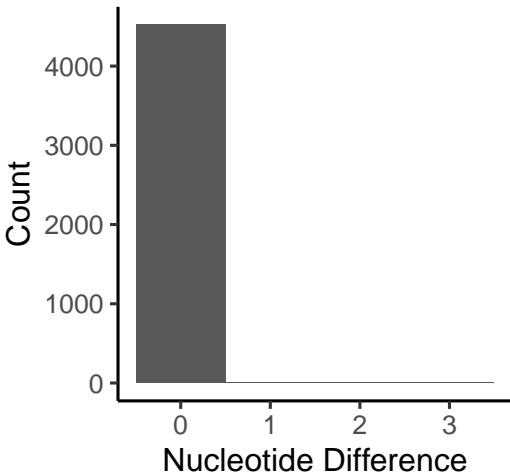
TRBV12-1*ap01

121 sequences assigned
120 (99.2%) exact matches, in which:
120 unique CDR3
13 unique J



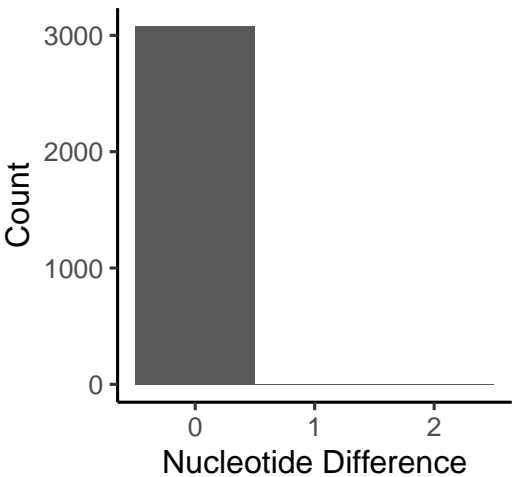
TRBV12-34*ap01

4536 sequences assigned
4522 (99.7%) exact matches, in which:
4513 unique CDR3
13 unique J



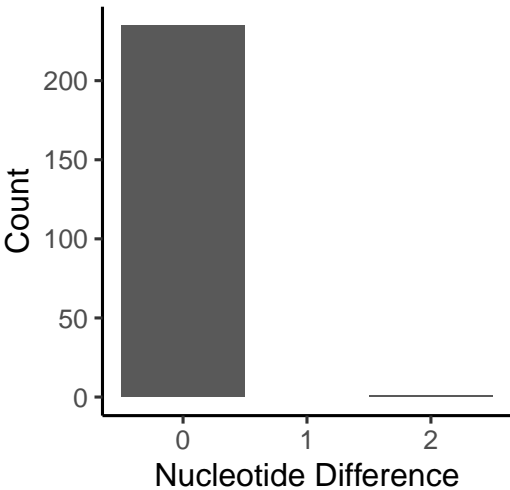
TRBV11-2*ap01

3085 sequences assigned
3080 (99.8%) exact matches, in which:
3076 unique CDR3
13 unique J



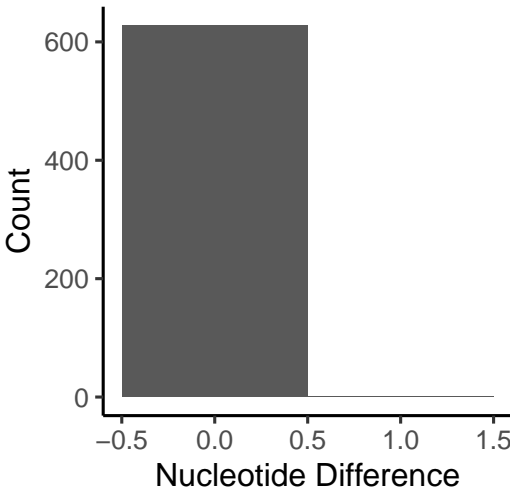
TRBV12-2*ap01

236 sequences assigned
235 (99.6%) exact matches, in which:
235 unique CDR3
13 unique J



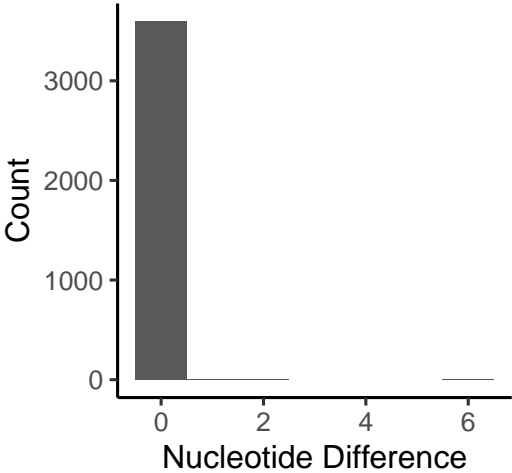
TRBV23-1*ap01

629 sequences assigned
628 (99.8%) exact matches, in which:
628 unique CDR3
13 unique J



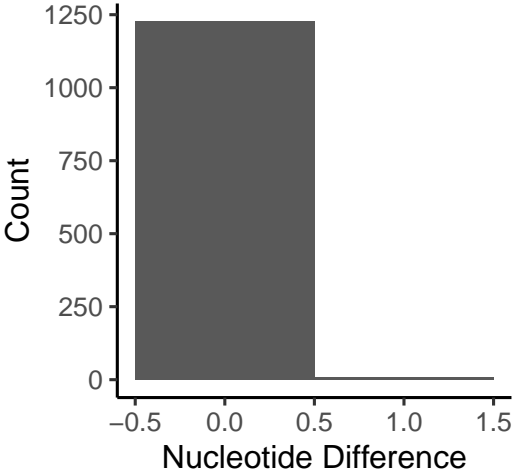
TRBV3-12*ap01

3610 sequences assigned
3596 (99.6%) exact matches, in which:
3588 unique CDR3
13 unique J



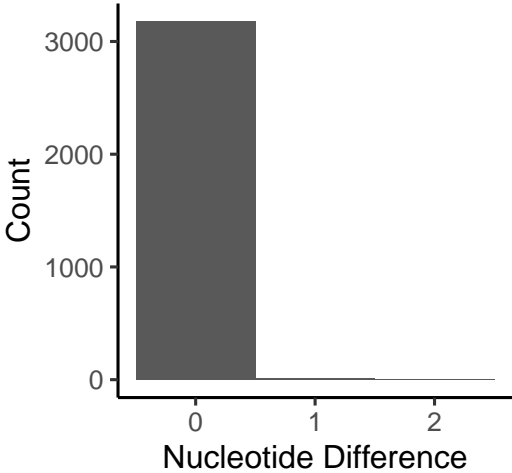
TRBV4-2*ap01

1234 sequences assigned
1227 (99.4%) exact matches, in which:
1226 unique CDR3
13 unique J



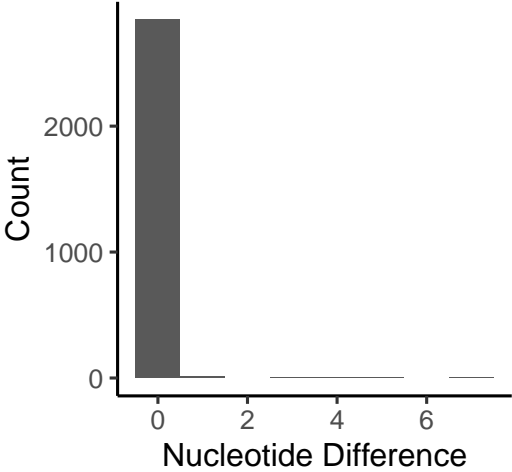
TRBV5-1*ap01

3188 sequences assigned
3178 (99.7%) exact matches, in which:
3149 unique CDR3
13 unique J



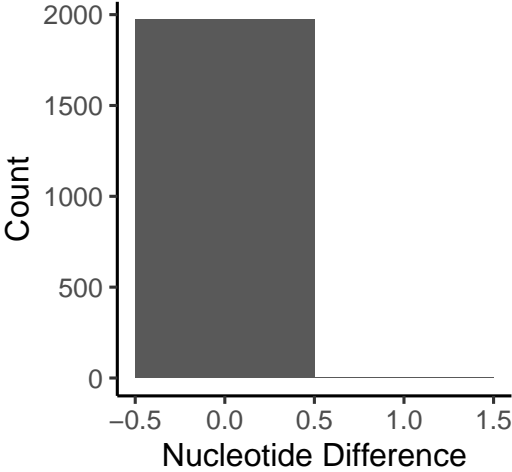
TRBV24-1*ap01

2858 sequences assigned
2845 (99.5%) exact matches, in which:
2842 unique CDR3
13 unique J



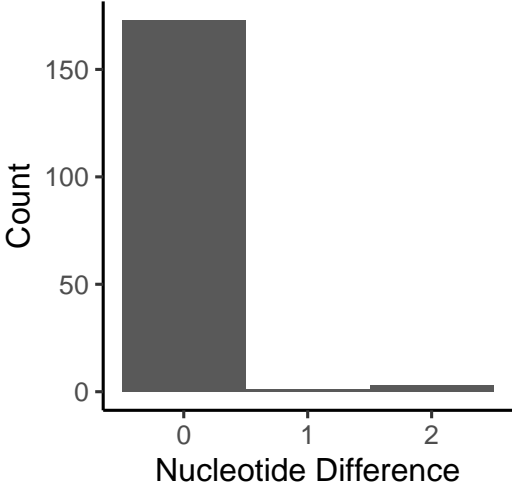
TRBV4-3*ap01

1976 sequences assigned
1972 (99.8%) exact matches, in which:
1968 unique CDR3
13 unique J



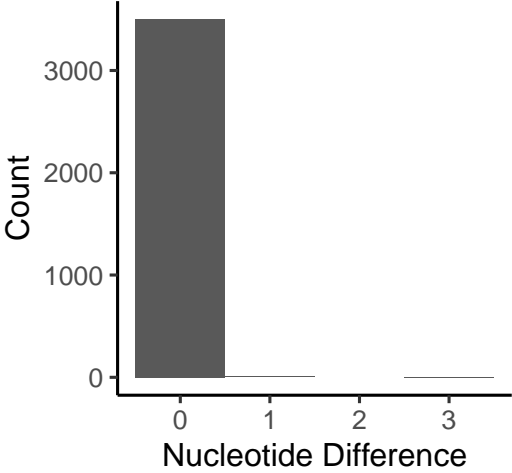
TRBV5-3*ap01

177 sequences assigned
173 (97.7%) exact matches, in which:
173 unique CDR3
12 unique J



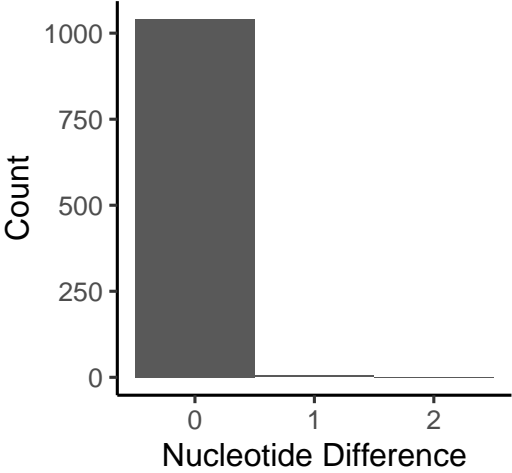
TRBV4-1*ap01

3512 sequences assigned
3503 (99.7%) exact matches, in which:
3493 unique CDR3
13 unique J



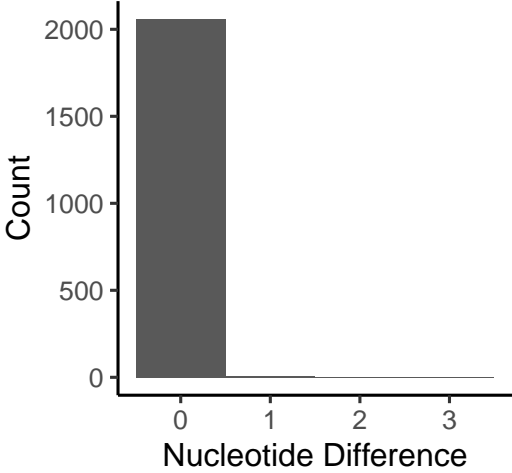
TRBV25-1*ap01

1047 sequences assigned
1041 (99.4%) exact matches, in which:
1040 unique CDR3
13 unique J



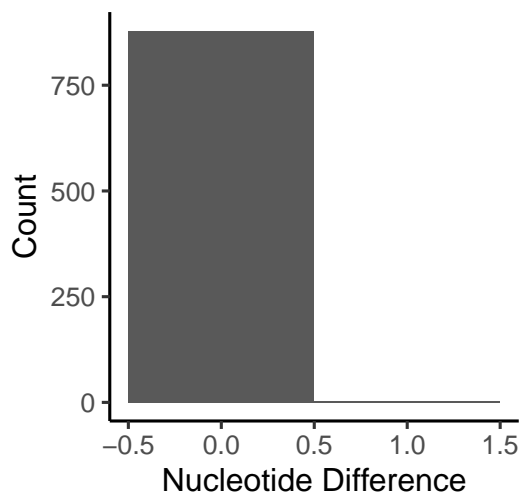
TRBV5-4*ap01

2067 sequences assigned
2059 (99.6%) exact matches, in which:
2057 unique CDR3
13 unique J



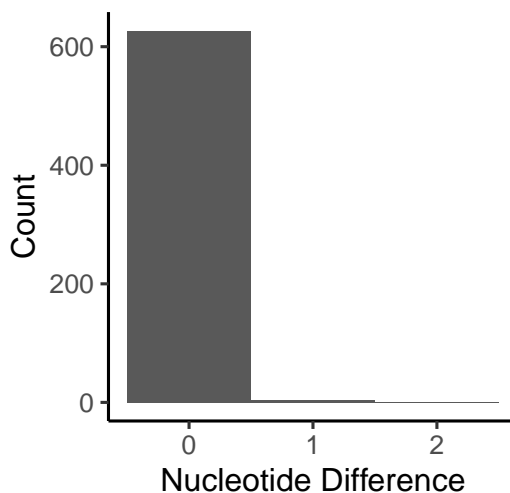
TRBV5-5*ap01

882 sequences assigned
879 (99.7%) exact matches, in which:
879 unique CDR3
13 unique J



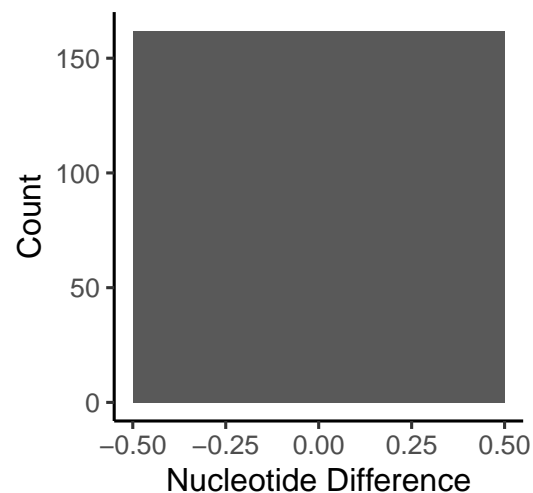
TRBV5-8*ap01

632 sequences assigned
627 (99.2%) exact matches, in which:
627 unique CDR3
13 unique J



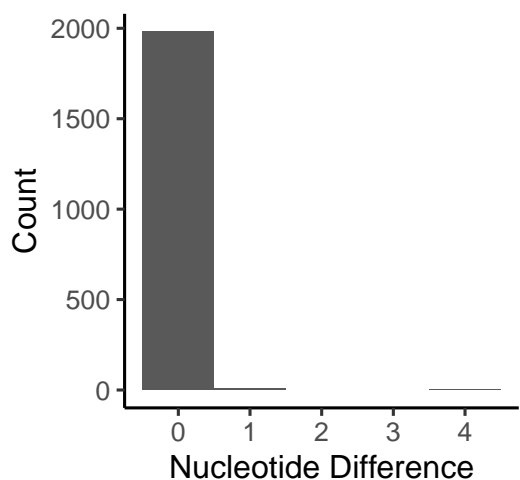
TRBV6-7*ap01

162 sequences assigned
162 (100%) exact matches, in which:
160 unique CDR3
13 unique J



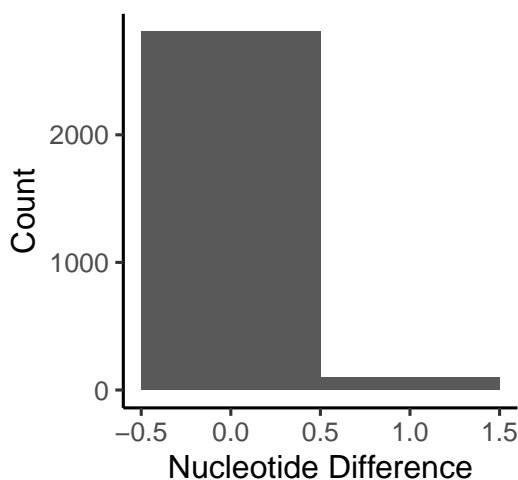
TRBV5-6*ap01

1990 sequences assigned
1981 (99.5%) exact matches, in which:
1971 unique CDR3
13 unique J



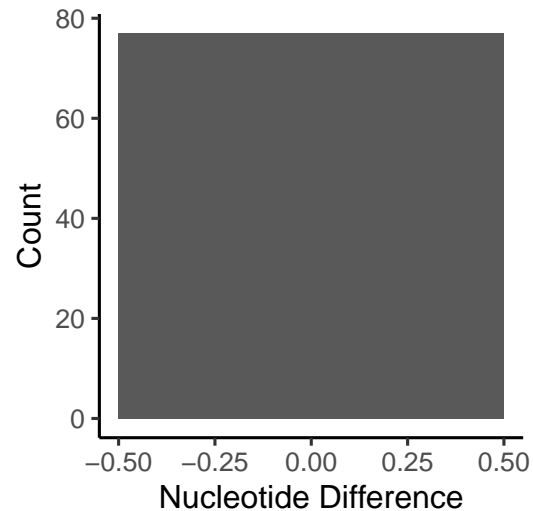
TRBV6-1*ap01

2906 sequences assigned
2808 (96.6%) exact matches, in which:
2797 unique CDR3
13 unique J



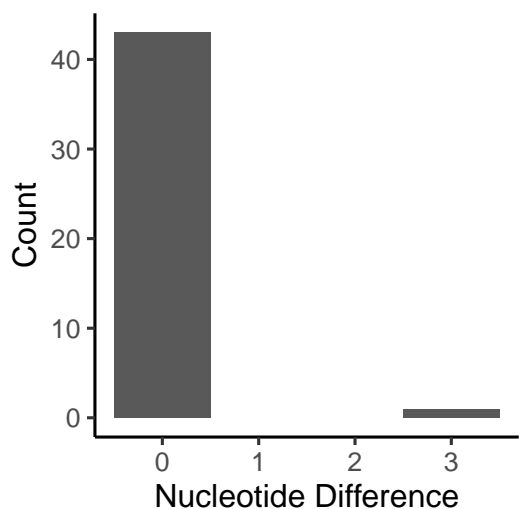
TRBV6-8*ap01

77 sequences assigned
77 (100%) exact matches, in which:
76 unique CDR3
12 unique J



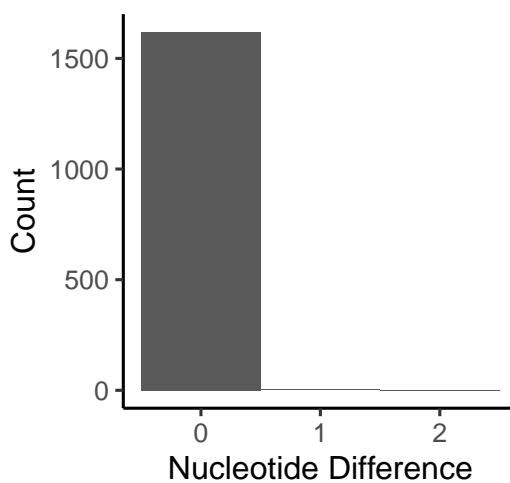
TRBV5-7*ap01

44 sequences assigned
43 (97.7%) exact matches, in which:
43 unique CDR3
12 unique J



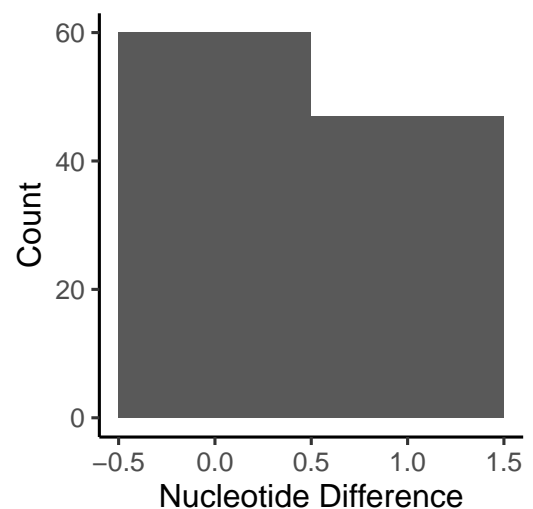
TRBV6-4*ap01

1624 sequences assigned
1619 (99.7%) exact matches, in which:
1618 unique CDR3
13 unique J



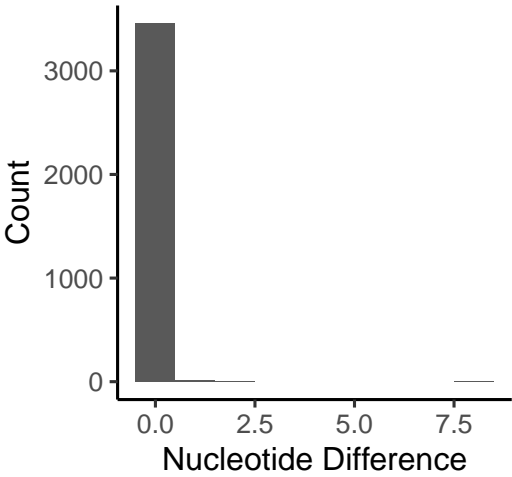
TRBV6-9*ap01

107 sequences assigned
60 (56.1%) exact matches, in which:
60 unique CDR3
12 unique J



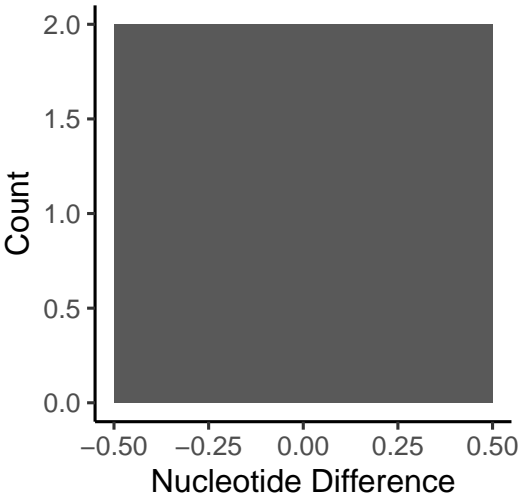
TRBV6-23*ap01

3471 sequences assigned
3458 (99.6%) exact matches, in which:
3441 unique CDR3
13 unique J



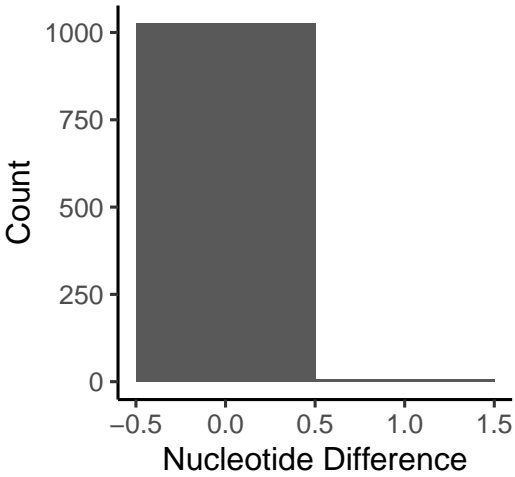
TRBV7-1*ap01

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



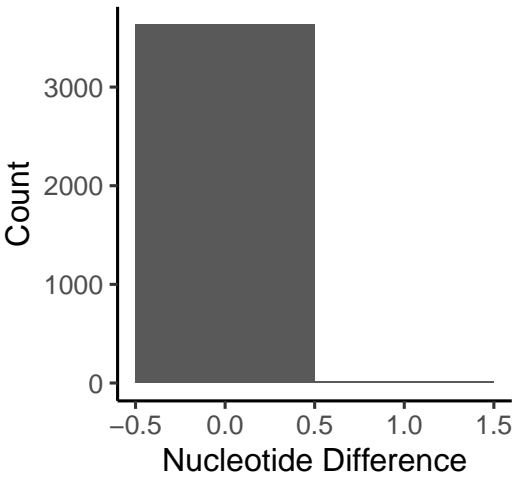
TRBV7-3*ap01

1032 sequences assigned
1026 (99.4%) exact matches, in which:
1023 unique CDR3
13 unique J



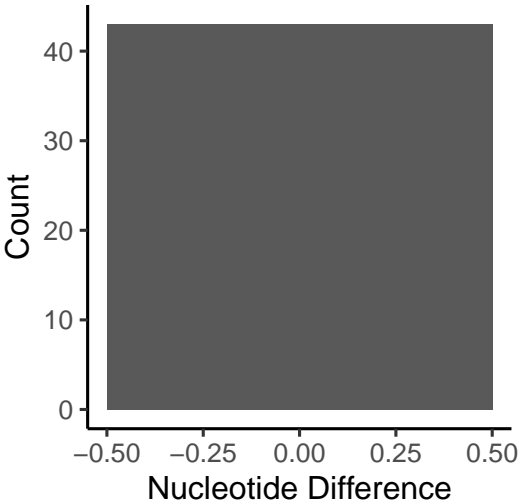
TRBV6-56*ap01

3643 sequences assigned
3632 (99.7%) exact matches, in which:
3614 unique CDR3
13 unique J



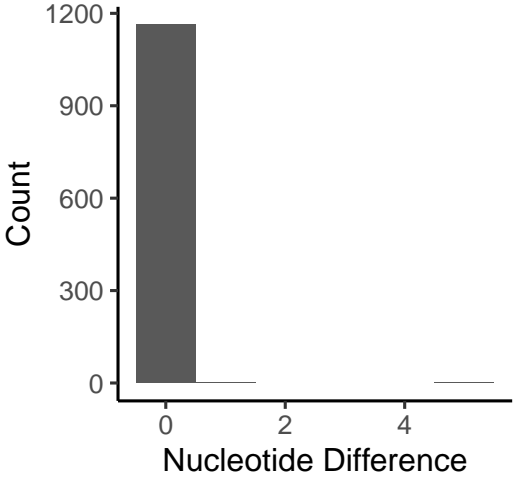
TRBV7-1*ap01_G291C_T

43 sequences assigned
43 (100%) exact matches, in which:
42 unique CDR3
11 unique J



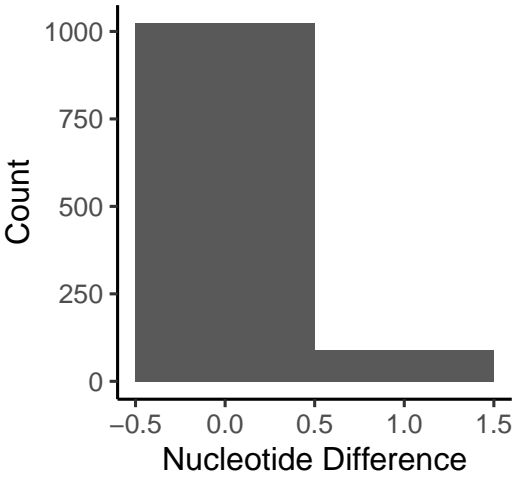
TRBV7-3*ap01_G301A

1167 sequences assigned
1163 (99.7%) exact matches, in which:
1160 unique CDR3
12 unique J



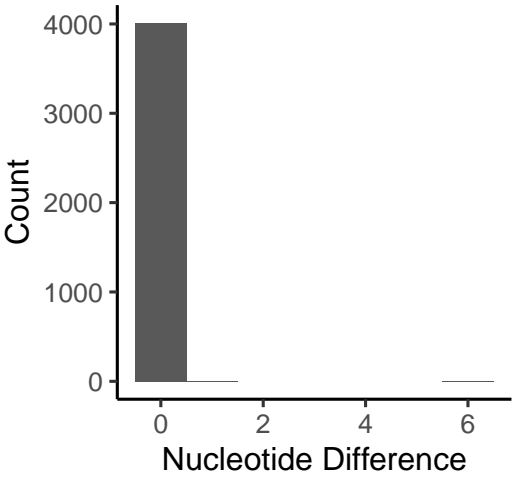
TRBV6-56*ap02

1114 sequences assigned
1024 (91.9%) exact matches, in which:
1020 unique CDR3
13 unique J



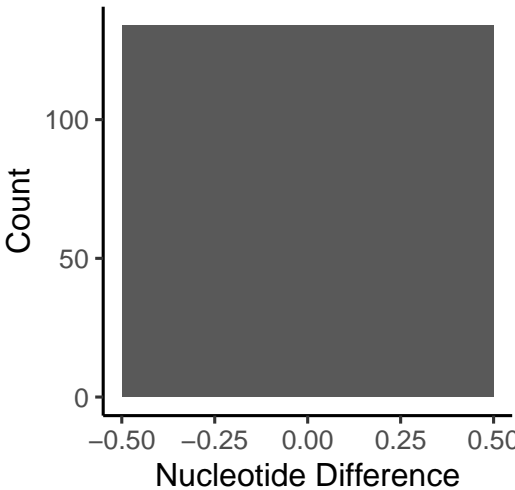
TRBV7-2*ap01

4013 sequences assigned
4010 (99.9%) exact matches, in which:
4001 unique CDR3
13 unique J



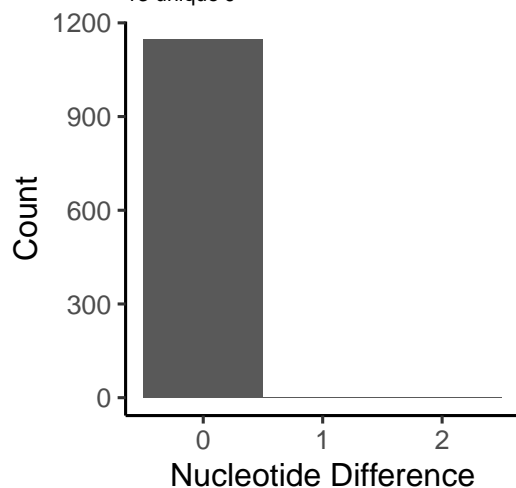
TRBV7-4*ap01

134 sequences assigned
134 (100%) exact matches, in which:
134 unique CDR3
13 unique J



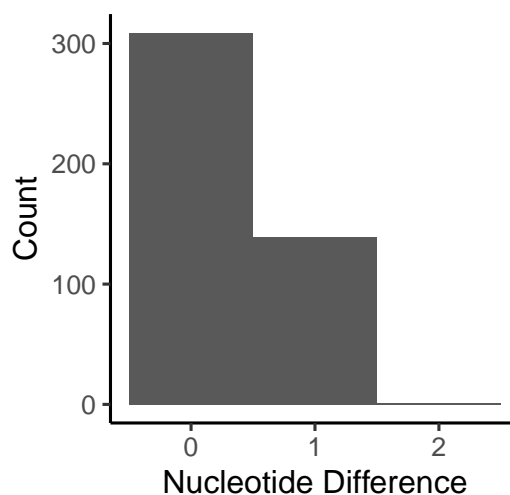
TRBV7-6*ap01

1150 sequences assigned
1147 (99.7%) exact matches, in which:
1144 unique CDR3
13 unique J



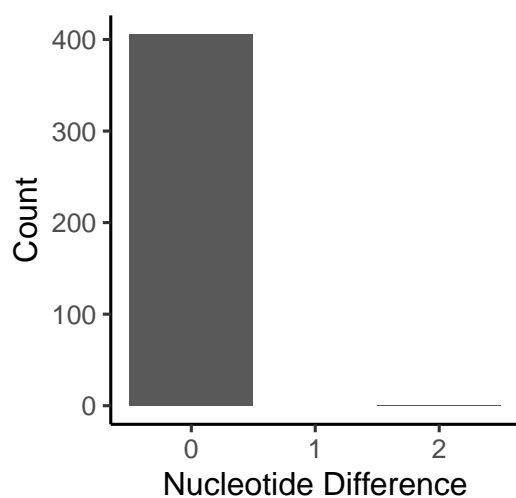
TRBV7-8*ap03

449 sequences assigned
309 (68.8%) exact matches, in which:
308 unique CDR3
13 unique J



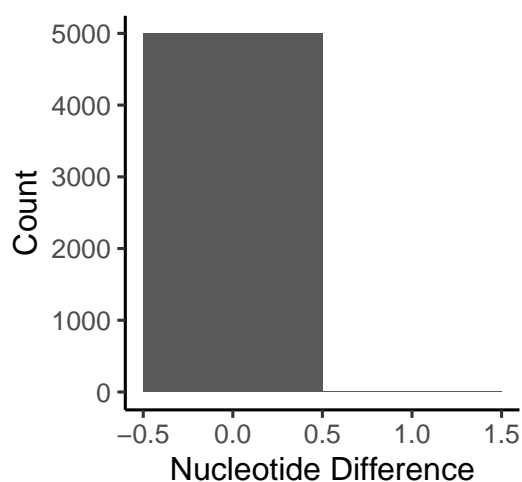
TRBV7-7*ap01_C315T

407 sequences assigned
406 (99.8%) exact matches, in which:
406 unique CDR3
13 unique J



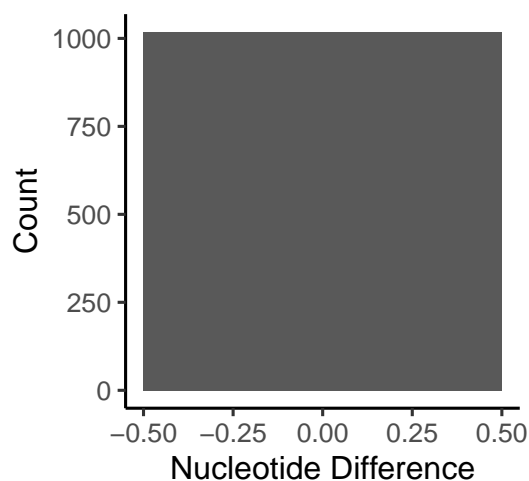
TRBV7-9*ap01

4998 sequences assigned
4995 (99.9%) exact matches, in which:
4992 unique CDR3
13 unique J



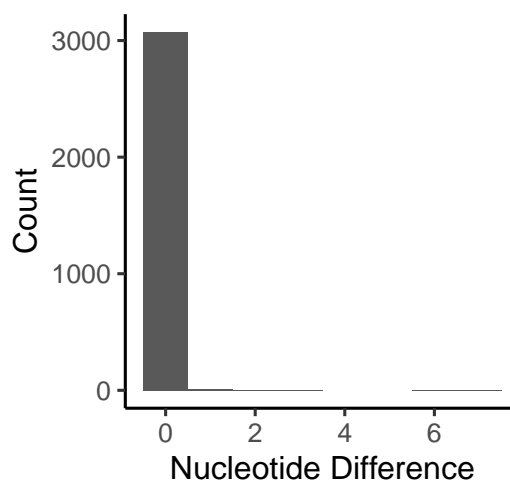
TRBV7-8*ap01

1018 sequences assigned
1018 (100%) exact matches, in which:
1016 unique CDR3
13 unique J

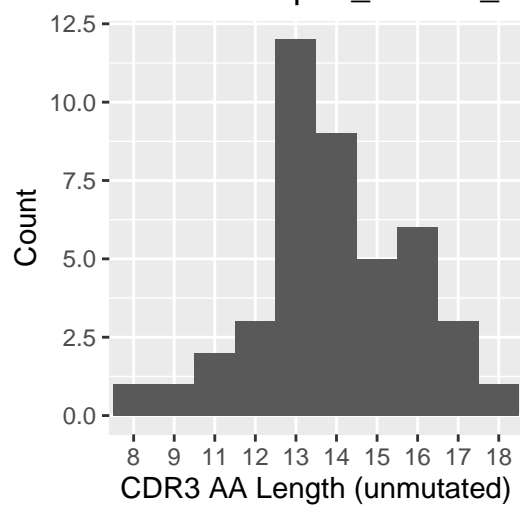


TRBV29-1*ap01

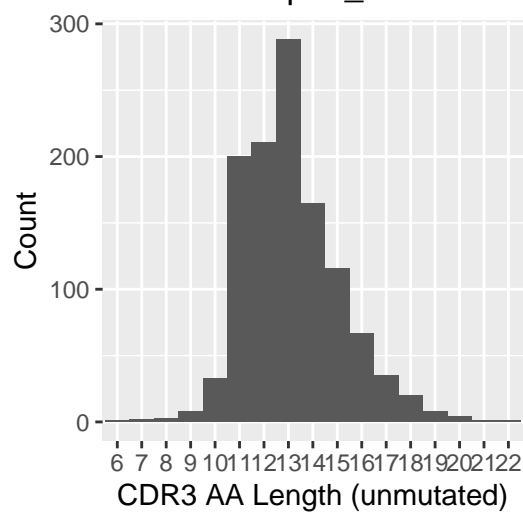
3091 sequences assigned
3073 (99.4%) exact matches, in which:
3067 unique CDR3
13 unique J



TRBV7-1*ap01_G291C_T296C



TRBV7-3*ap01_G301A



TRBV7-7*ap01_C315T

