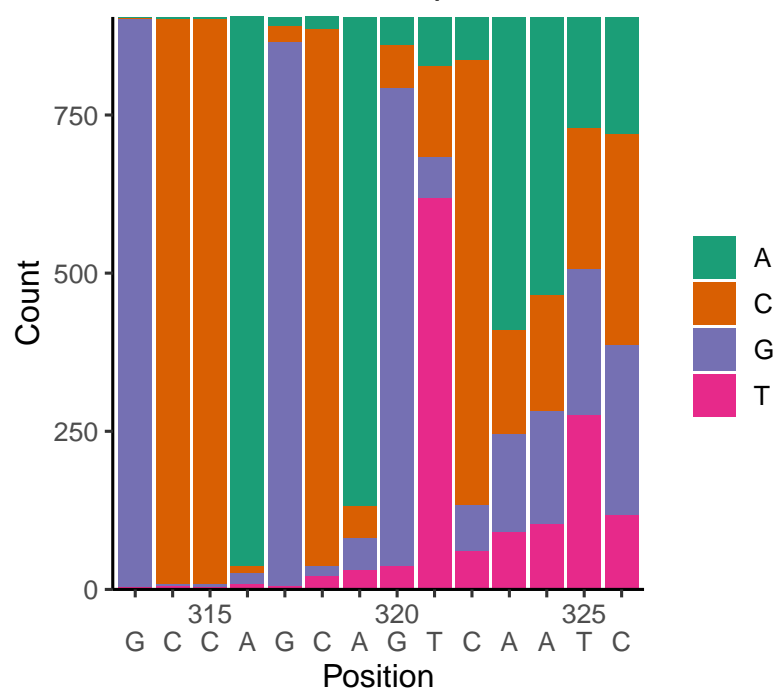
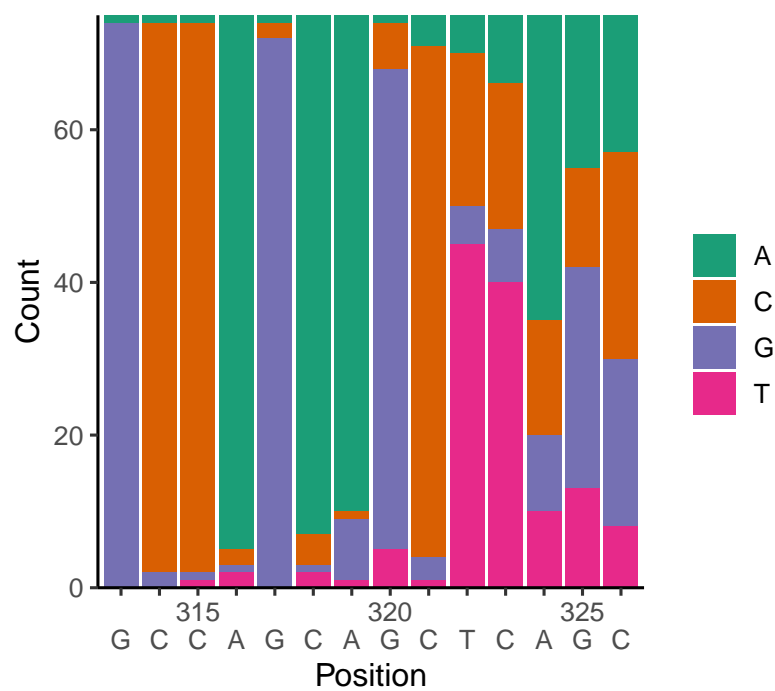


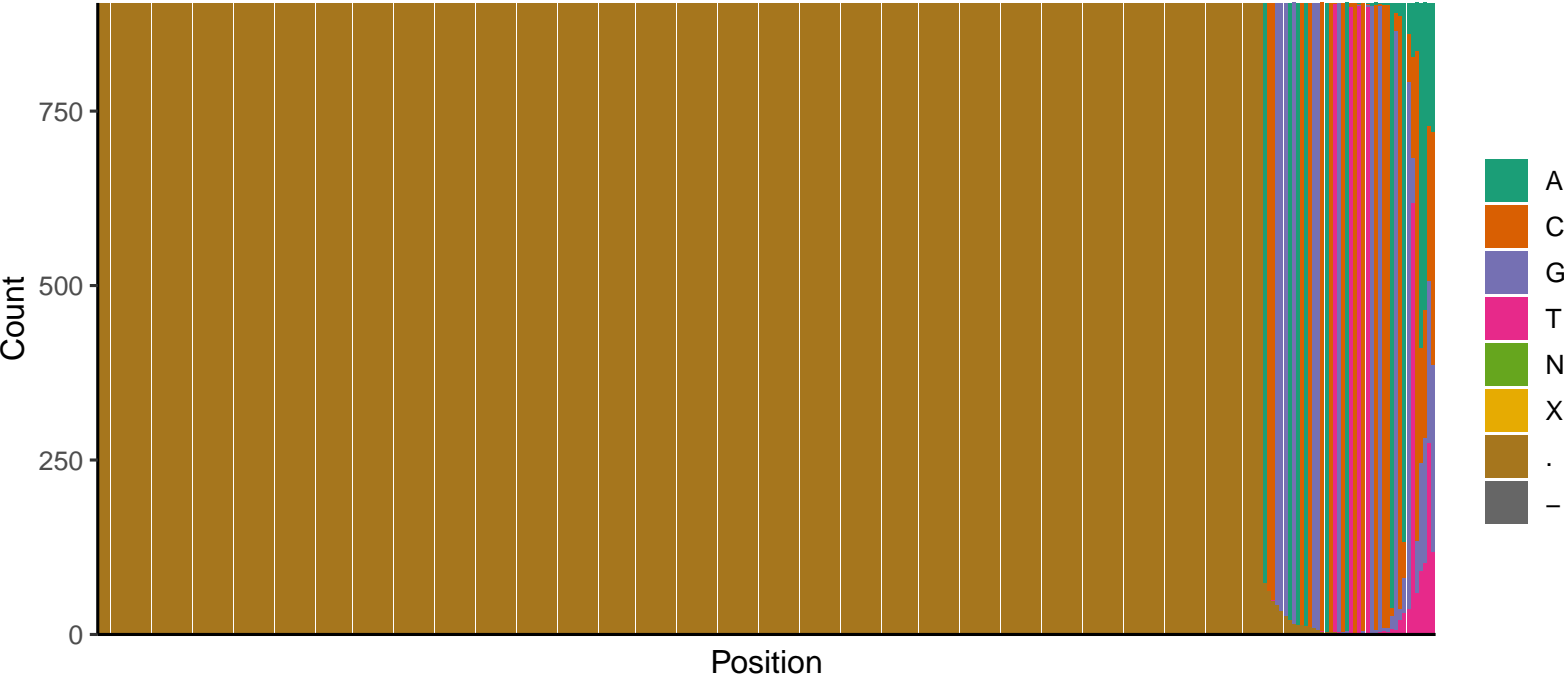
Gene TRBV23-1*ap01_T304C



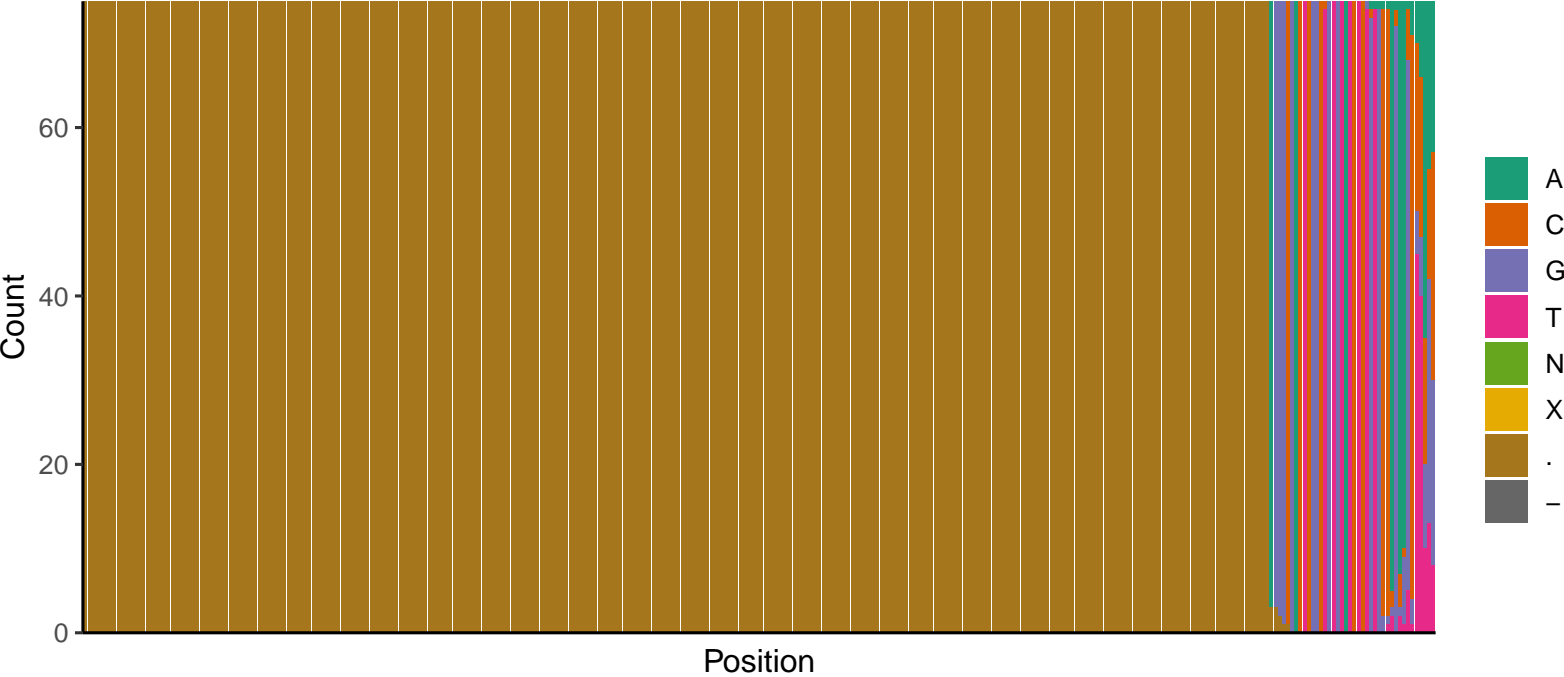
Gene TRBV7-1*ap01_G291C_T296C



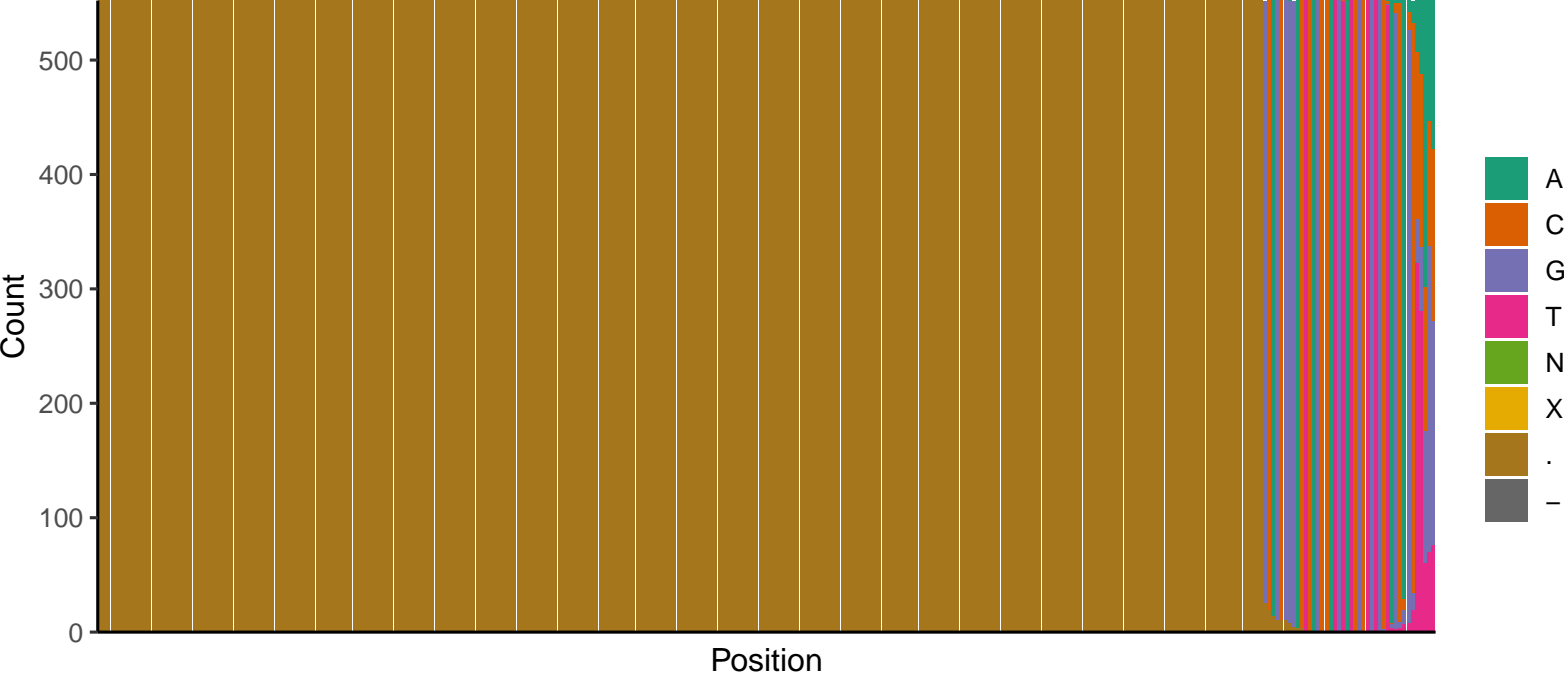
Gene TRBV23-1*ap01_T304C



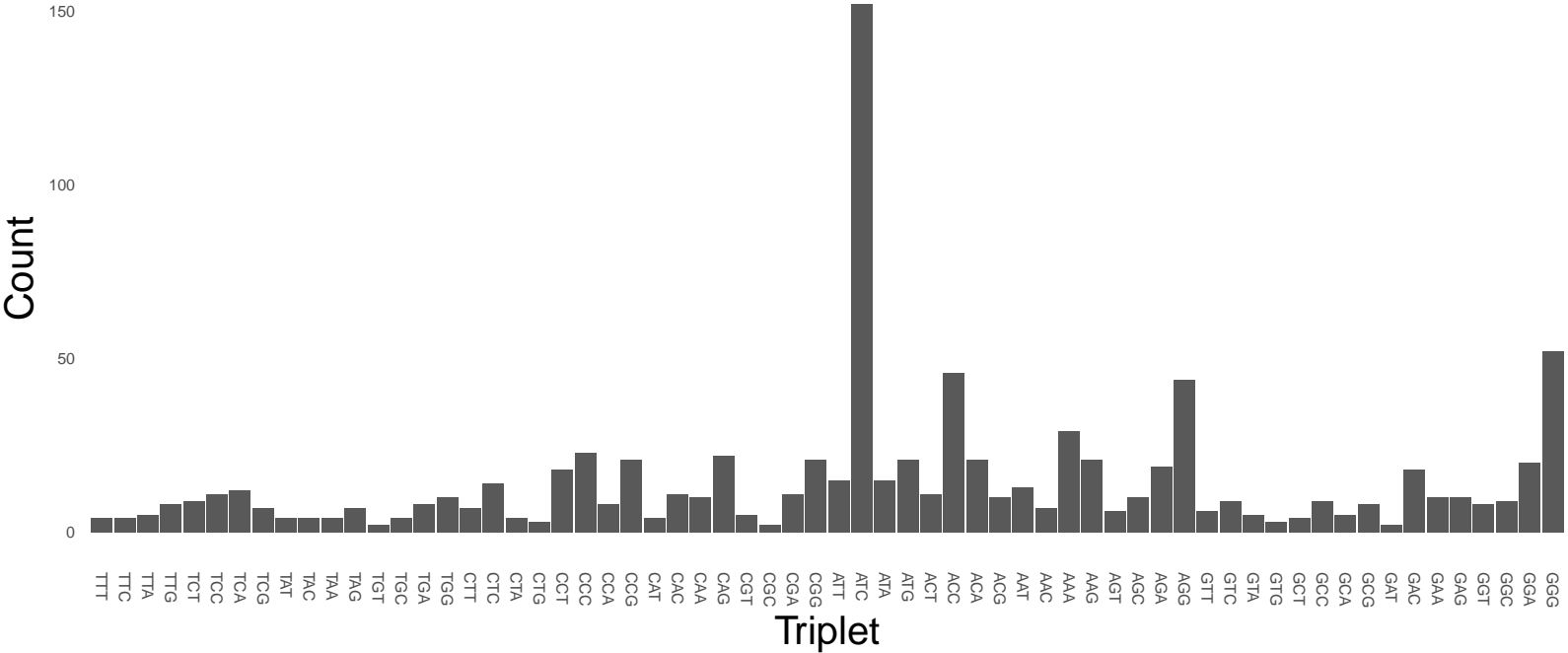
Gene TRBV7-1*ap01_G291C_T296C



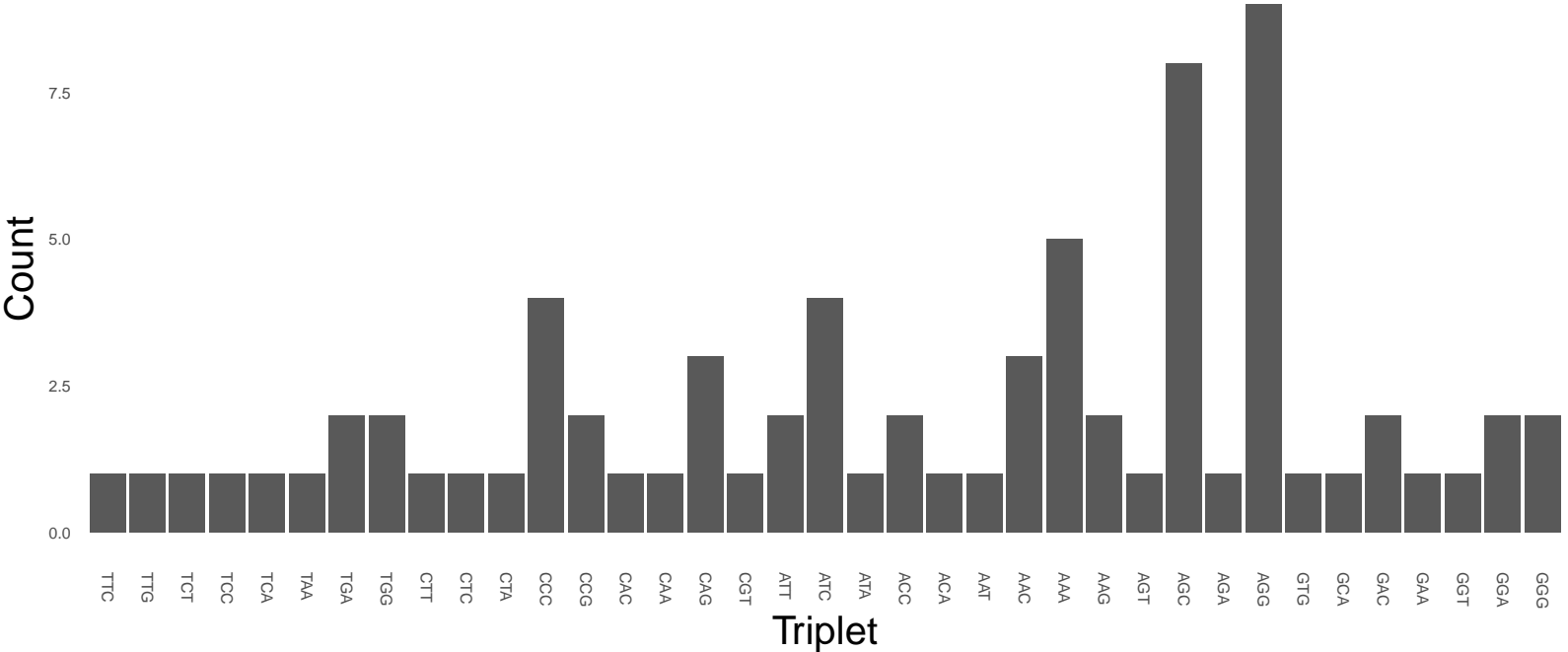
Gene TRBV7-7*ap01_C315T



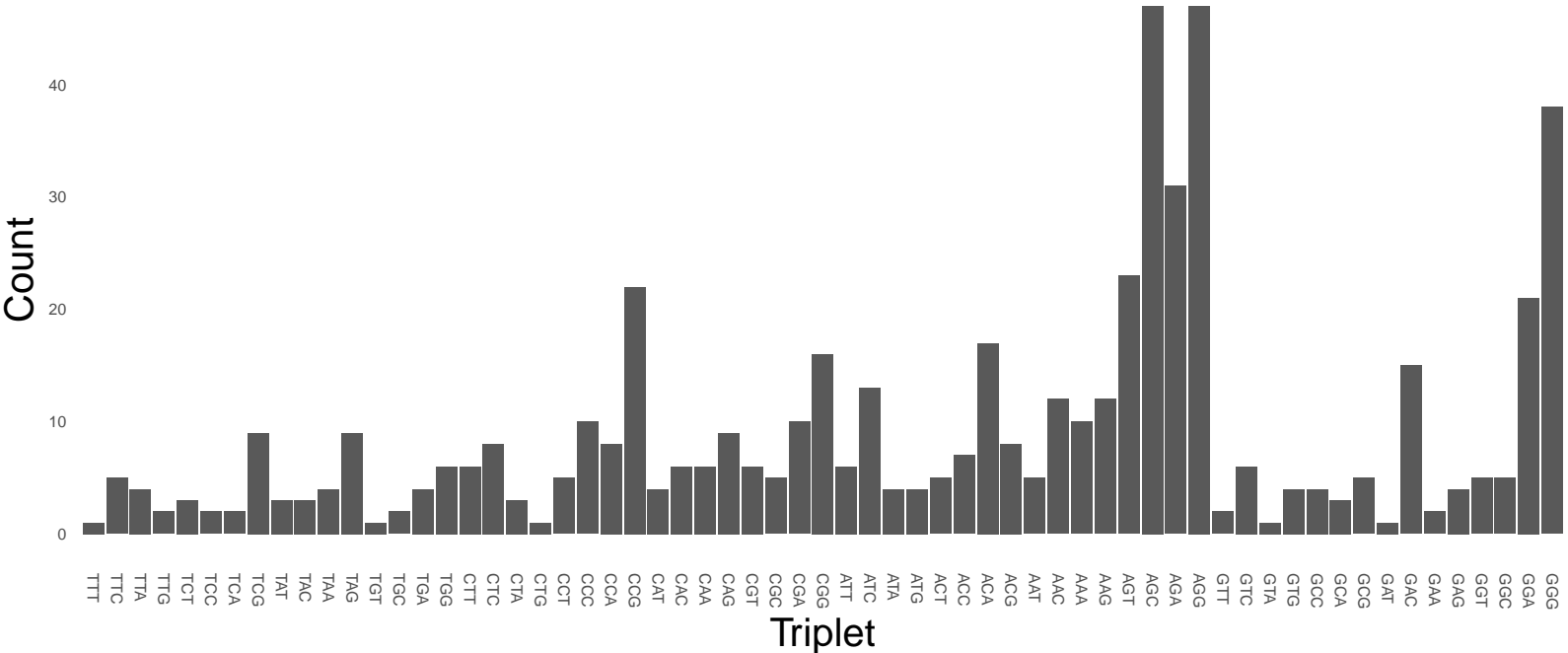
TRBV23–1*ap01_T304C– Final 3 nucleotides as a triplet



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

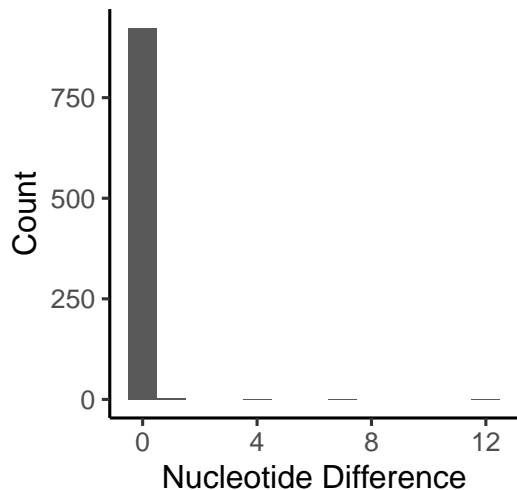


TRBV7–7*ap01_C315T– Final 3 nucleotides as a triplet



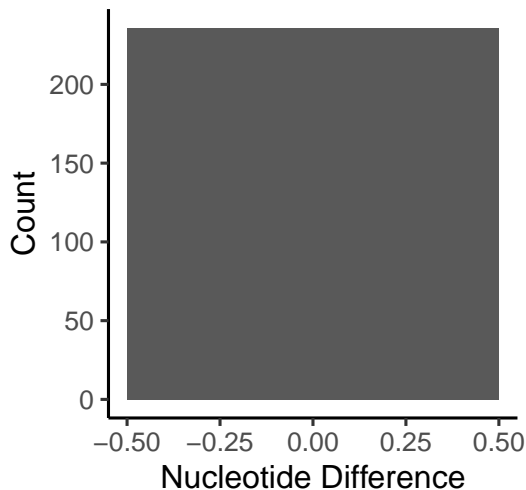
TRBV10–1*ap01

930 sequences assigned
924 (99.4%) exact matches, in which:
924 unique CDR3
12 unique J



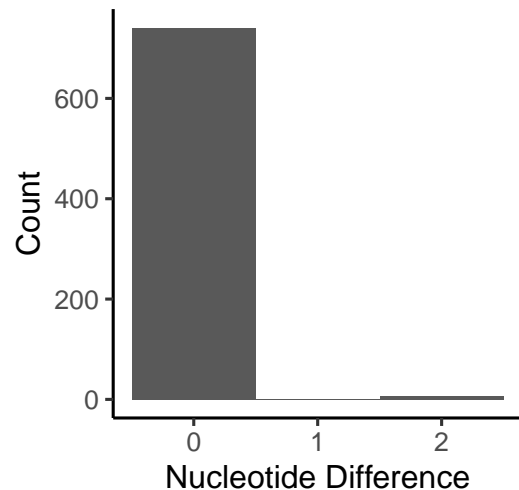
TRBV10–2*ap01

236 sequences assigned
236 (100%) exact matches, in which:
236 unique CDR3
12 unique J



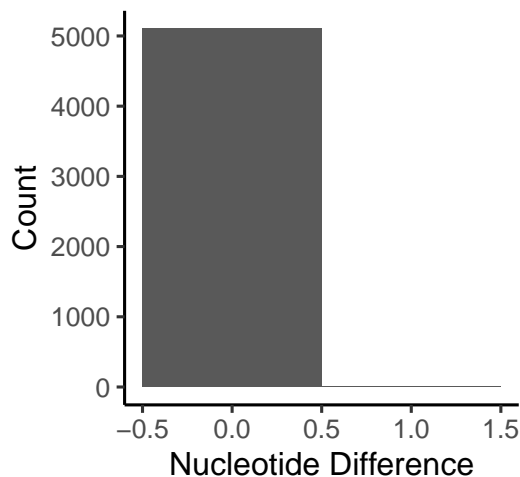
TRBV13*ap01

749 sequences assigned
741 (98.9%) exact matches, in which:
741 unique CDR3
12 unique J



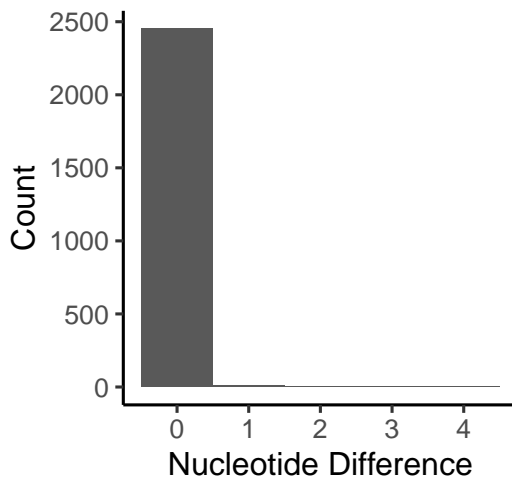
TRBV20–1*ap01

5112 sequences assigned
5103 (99.8%) exact matches, in which:
5097 unique CDR3
13 unique J



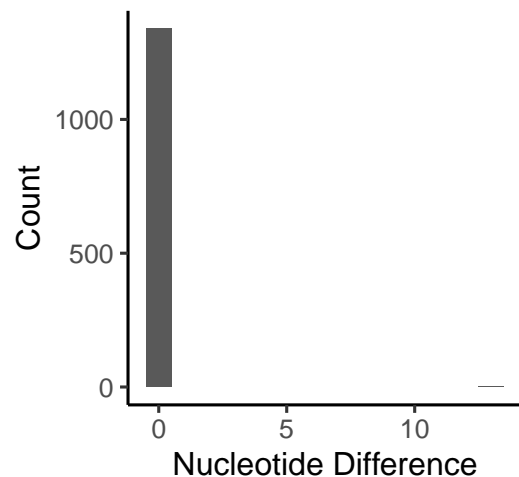
TRBV10–3*ap01

2466 sequences assigned
2452 (99.4%) exact matches, in which:
2450 unique CDR3
12 unique J



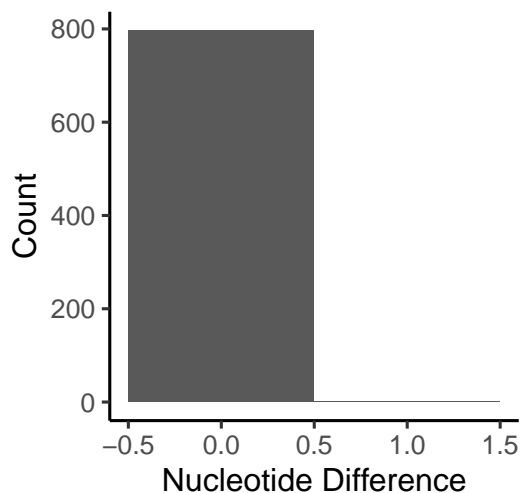
TRBV14*ap01

1340 sequences assigned
1339 (99.9%) exact matches, in which:
1338 unique CDR3
13 unique J



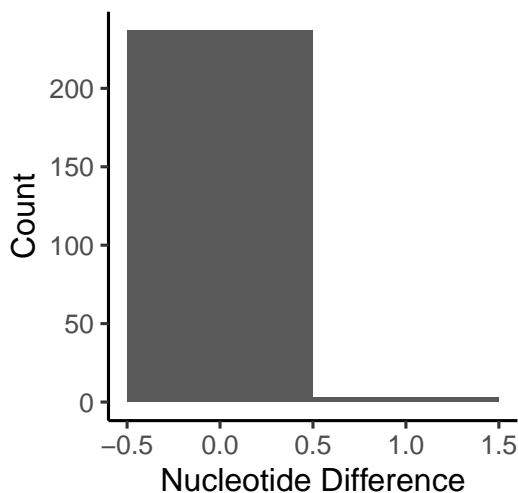
TRBV20–1*ap02

798 sequences assigned
797 (99.9%) exact matches, in which:
797 unique CDR3
12 unique J



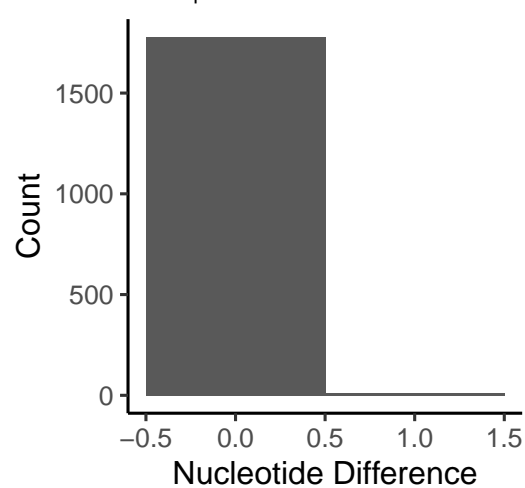
TRBV1*ap01

240 sequences assigned
237 (98.8%) exact matches, in which:
237 unique CDR3
12 unique J



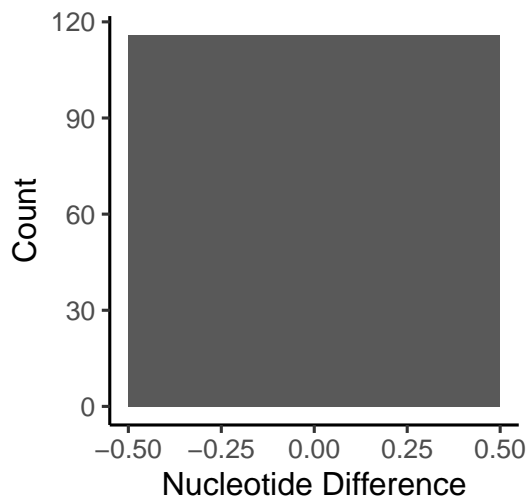
TRBV15*ap02

1788 sequences assigned
1778 (99.4%) exact matches, in which:
1774 unique CDR3
12 unique J



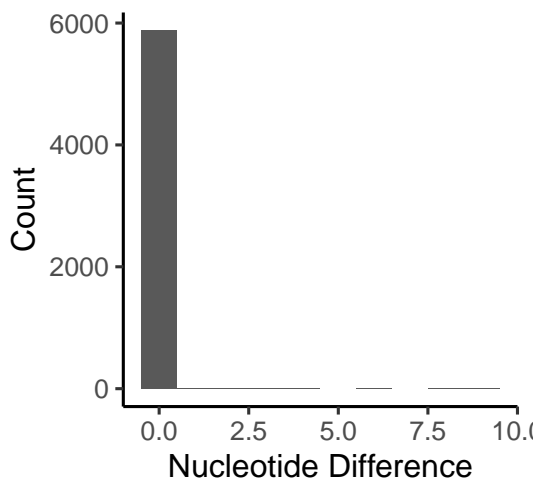
TRBV16*ap01

116 sequences assigned
116 (100%) exact matches, in which:
116 unique CDR3
12 unique J



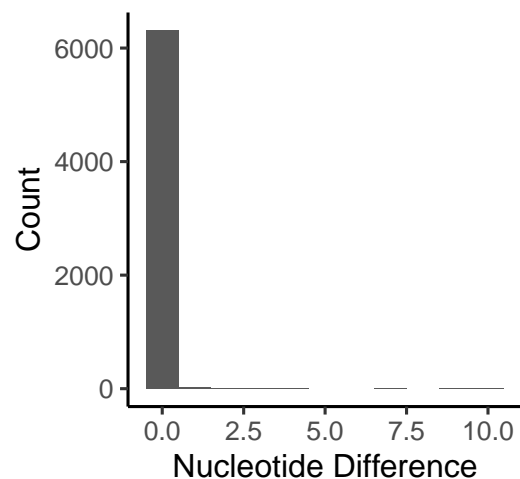
TRBV19*ap01

5901 sequences assigned
5879 (99.6%) exact matches, in which:
5876 unique CDR3
12 unique J



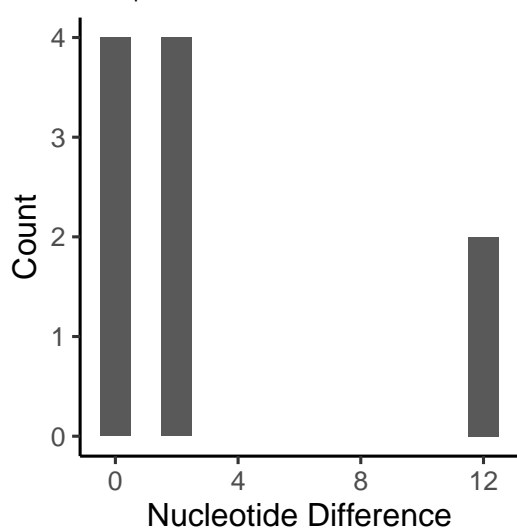
TRBV27*ap01

6343 sequences assigned
6311 (99.5%) exact matches, in which:
6304 unique CDR3
12 unique J



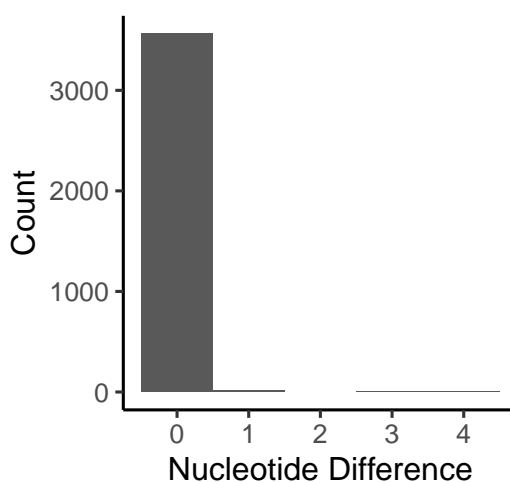
TRBV17*ap01

10 sequences assigned
4 (40%) exact matches, in which:
4 unique CDR3
2 unique J



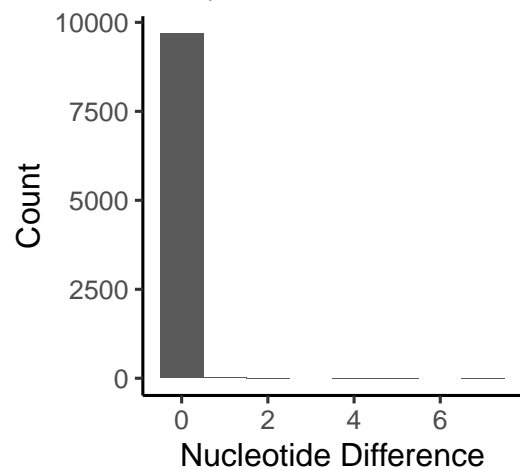
TRBV2*ap01

3579 sequences assigned
3563 (99.6%) exact matches, in which:
3560 unique CDR3
12 unique J



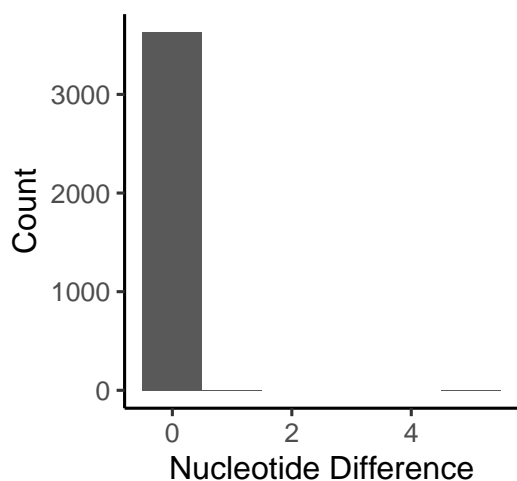
TRBV28*ap01

9714 sequences assigned
9688 (99.7%) exact matches, in which:
9681 unique CDR3
13 unique J



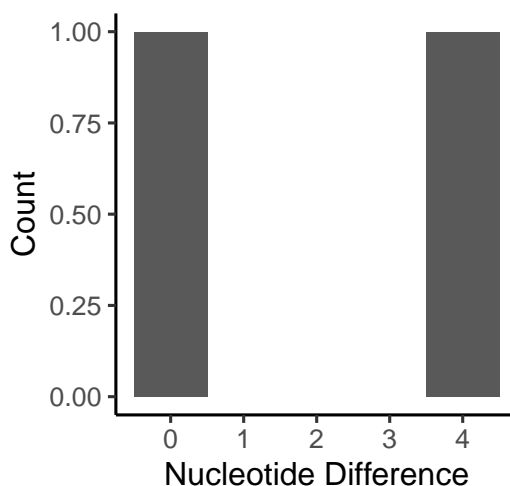
TRBV18*ap01

3635 sequences assigned
3632 (99.9%) exact matches, in which:
3632 unique CDR3
12 unique J



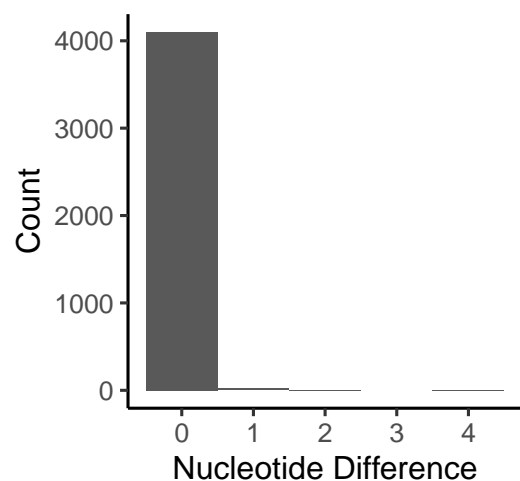
TRBV26*ap01

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



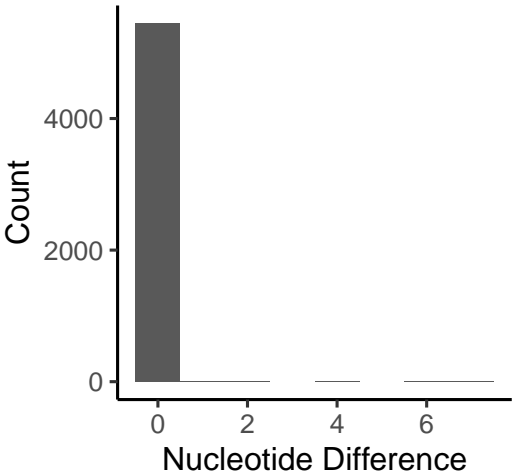
TRBV30*ap01

4126 sequences assigned
4100 (99.4%) exact matches, in which:
4092 unique CDR3
13 unique J



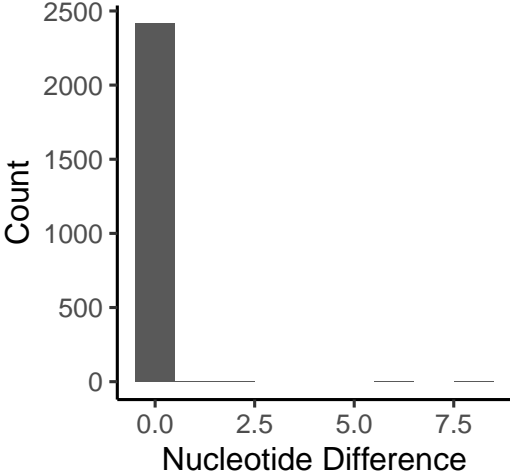
TRBV9*ap01

5459 sequences assigned
5446 (99.8%) exact matches, in which:
5436 unique CDR3
13 unique J



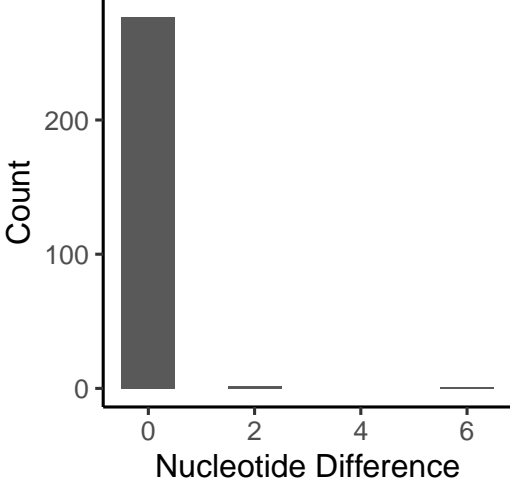
TRBV11-2*ap01

2425 sequences assigned
2416 (99.6%) exact matches, in which:
2414 unique CDR3
12 unique J



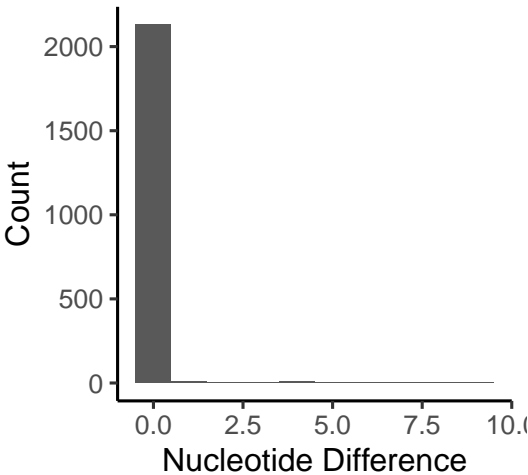
TRBV12-2*ap01

280 sequences assigned
277 (98.9%) exact matches, in which:
276 unique CDR3
12 unique J



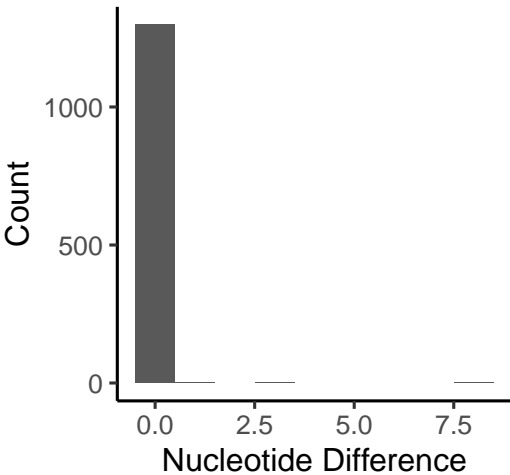
TRBV21-1*ap01

2158 sequences assigned
2130 (98.7%) exact matches, in which:
2130 unique CDR3
12 unique J



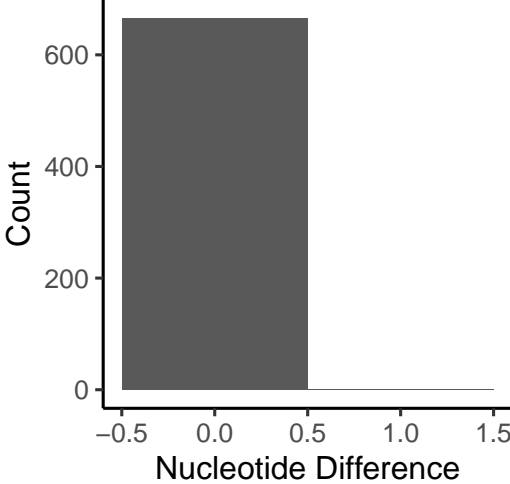
TRBV11-3*ap01

1302 sequences assigned
1298 (99.7%) exact matches, in which:
1298 unique CDR3
12 unique J



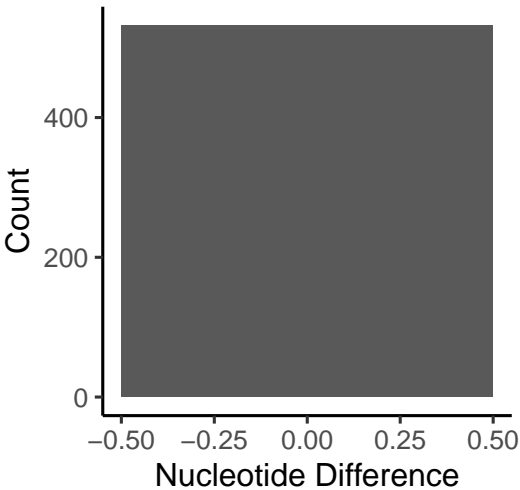
TRBV12-5*ap01

667 sequences assigned
666 (99.9%) exact matches, in which:
665 unique CDR3
12 unique J



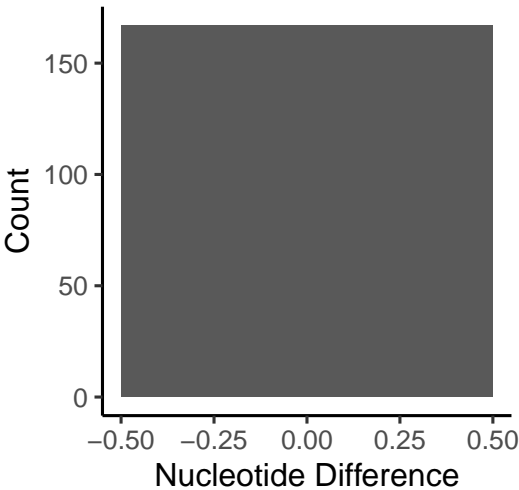
TRBV11-1*ap01

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



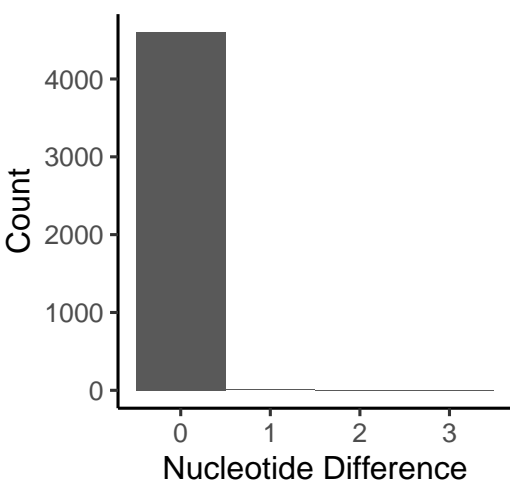
TRBV12-1*ap01

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



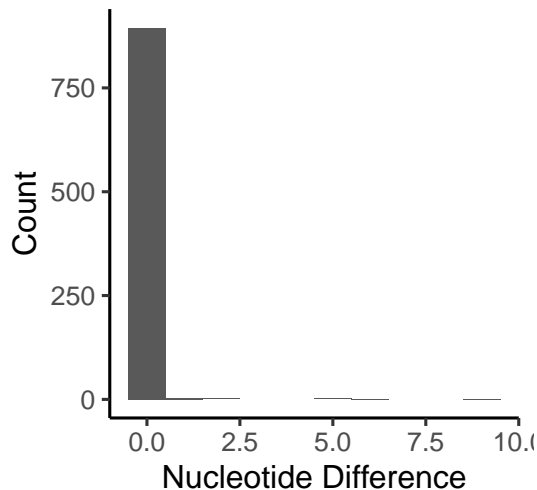
TRBV12-34*ap01

4616 sequences assigned
4603 (99.7%) exact matches, in which:
4601 unique CDR3
13 unique J



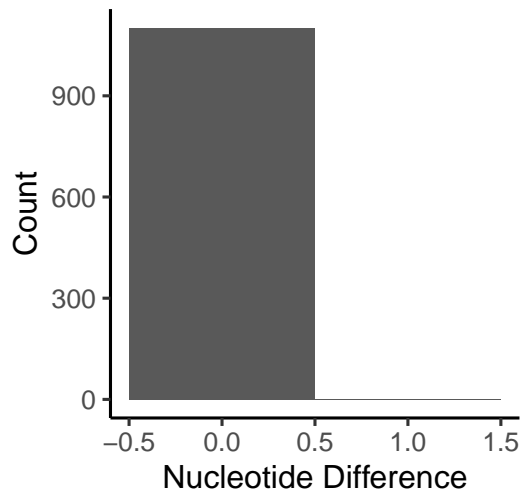
TRBV23–1*ap01_T304C

905 sequences assigned
895 (98.9%) exact matches, in which:
894 unique CDR3
12 unique J



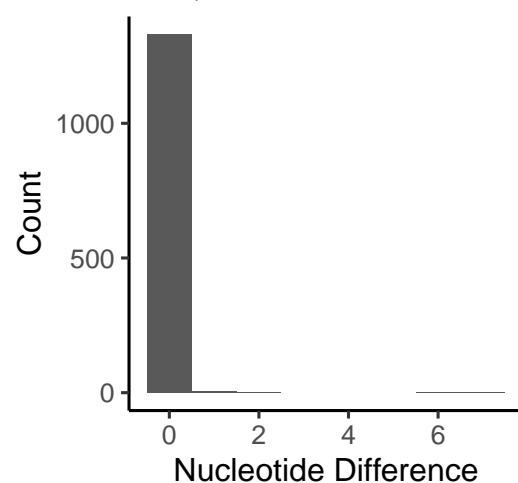
TRBV4–1*ap01

1103 sequences assigned
1102 (99.9%) exact matches, in which:
1101 unique CDR3
12 unique J



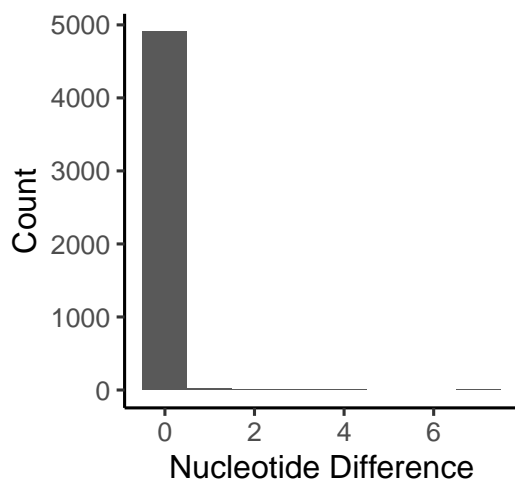
TRBV25–1*ap01

1340 sequences assigned
1330 (99.3%) exact matches, in which:
1328 unique CDR3
12 unique J



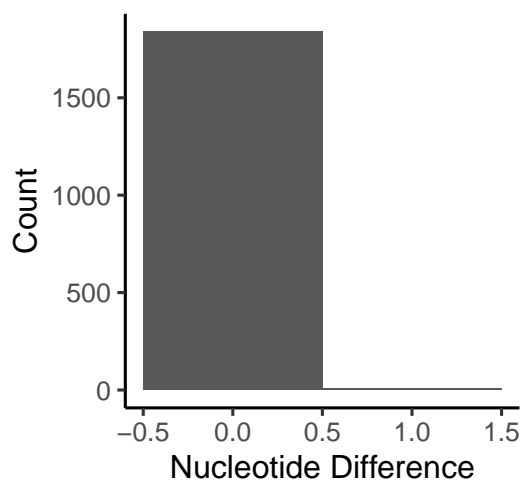
TRBV3–12*ap01

4939 sequences assigned
4906 (99.3%) exact matches, in which:
4899 unique CDR3
13 unique J



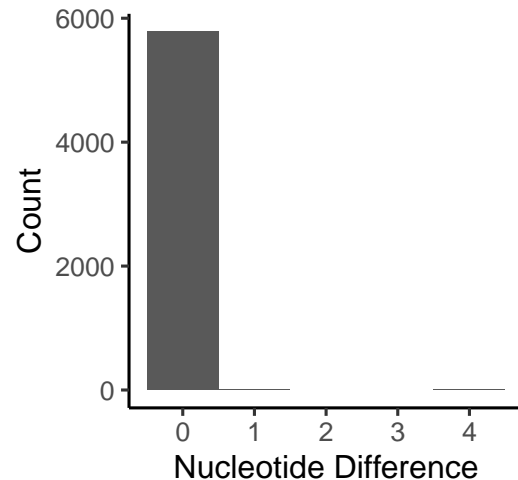
TRBV4–2*ap01

1846 sequences assigned
1839 (99.6%) exact matches, in which:
1837 unique CDR3
12 unique J



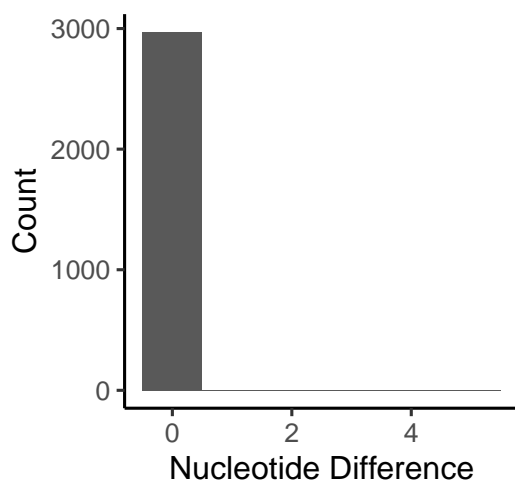
TRBV5–1*ap01

5797 sequences assigned
5782 (99.7%) exact matches, in which:
5754 unique CDR3
13 unique J



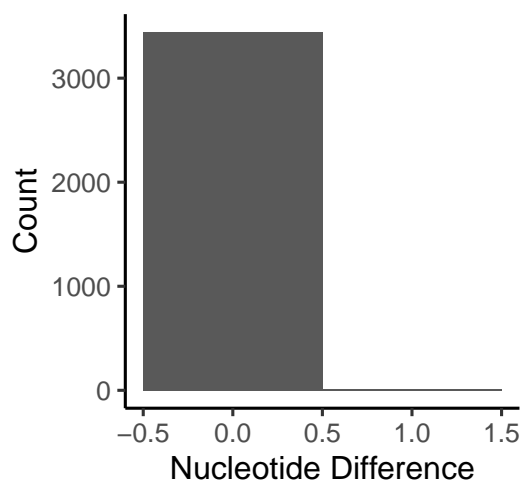
TRBV24–1*ap01

2982 sequences assigned
2971 (99.6%) exact matches, in which:
2969 unique CDR3
12 unique J



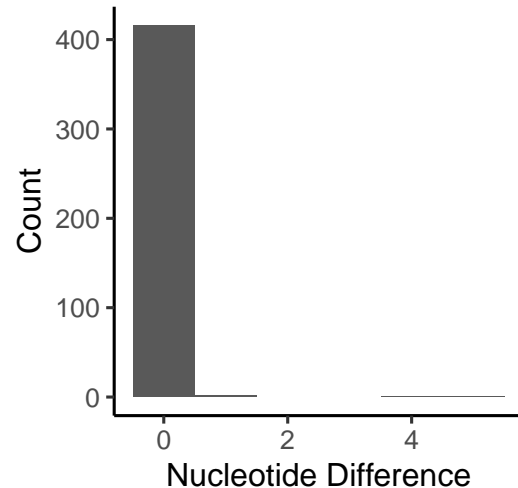
TRBV4–3*ap01

3454 sequences assigned
3443 (99.7%) exact matches, in which:
3439 unique CDR3
12 unique J



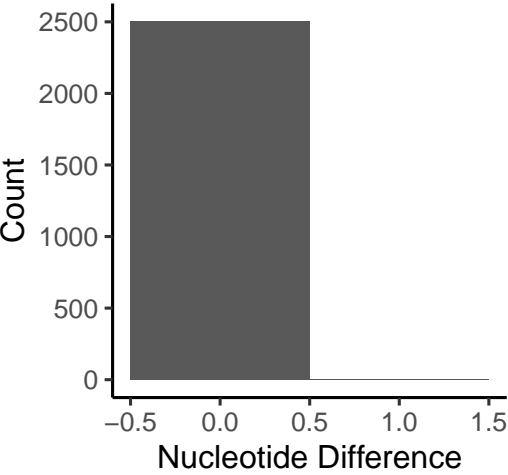
TRBV5–3*ap01

420 sequences assigned
416 (99%) exact matches, in which:
416 unique CDR3
12 unique J



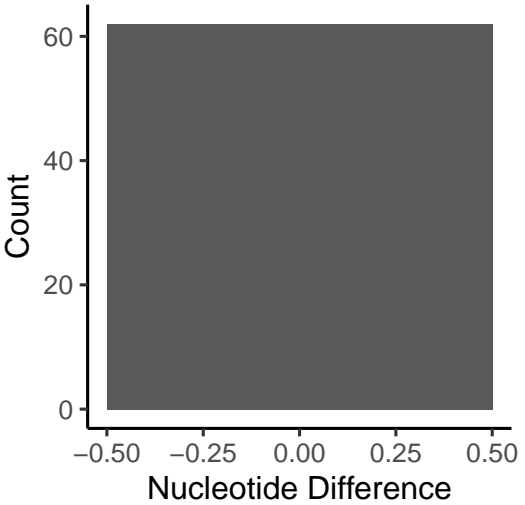
TRBV5-4*ap01

2506 sequences assigned
2503 (99.9%) exact matches, in which:
2501 unique CDR3
12 unique J



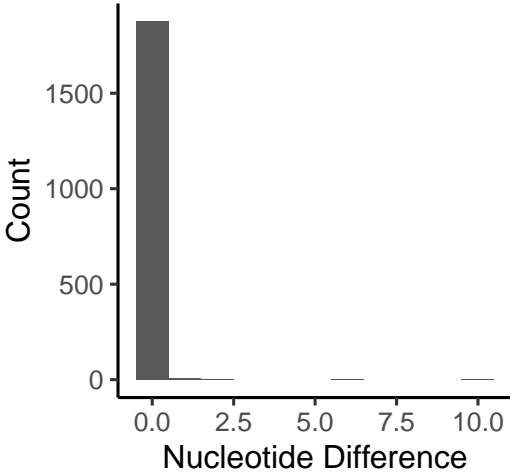
TRBV5-7*ap01

62 sequences assigned
62 (100%) exact matches, in which:
62 unique CDR3
11 unique J



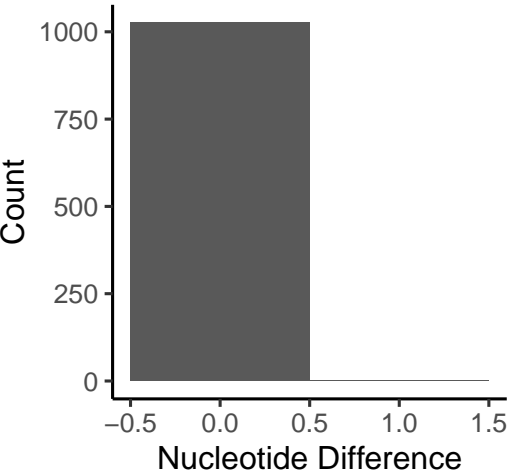
TRBV6-4*ap01

1886 sequences assigned
1876 (99.5%) exact matches, in which:
1876 unique CDR3
12 unique J



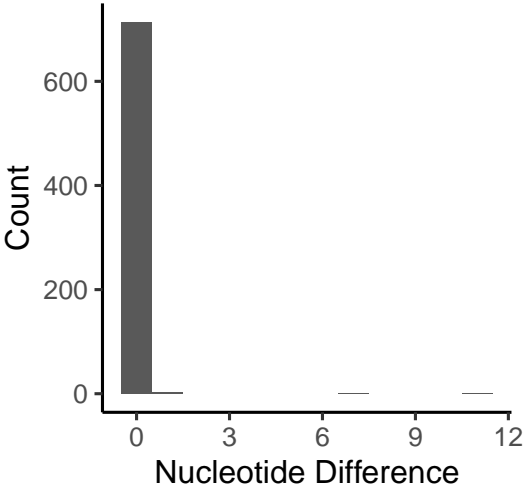
TRBV5-5*ap01

1027 sequences assigned
1026 (99.9%) exact matches, in which:
1026 unique CDR3
12 unique J



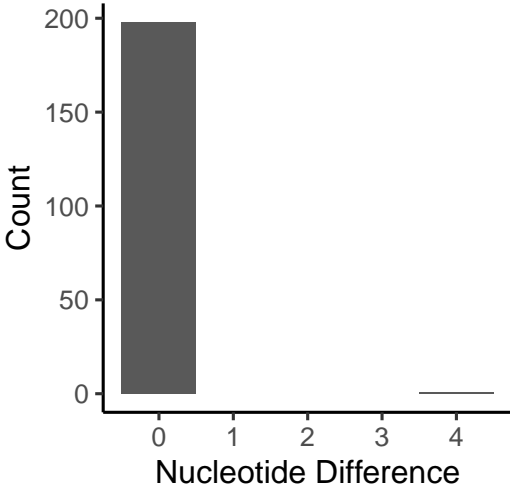
TRBV5-8*ap01

719 sequences assigned
714 (99.3%) exact matches, in which:
714 unique CDR3
12 unique J



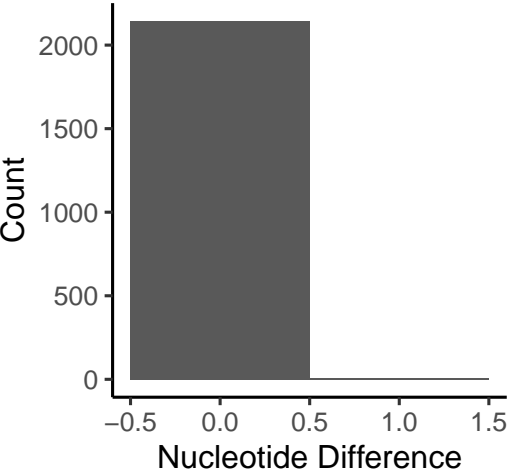
TRBV6-7*ap01

199 sequences assigned
198 (99.5%) exact matches, in which:
198 unique CDR3
12 unique J



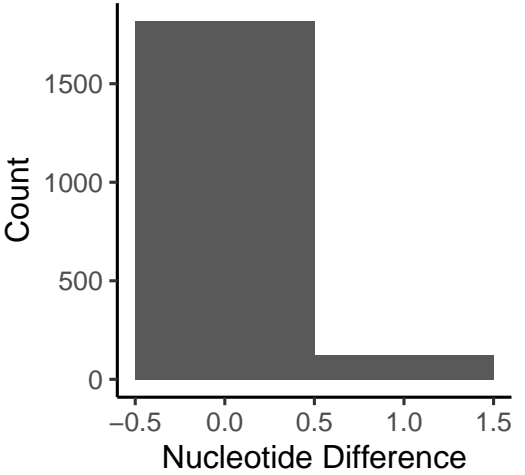
TRBV5-6*ap01

2152 sequences assigned
2144 (99.6%) exact matches, in which:
2143 unique CDR3
12 unique J



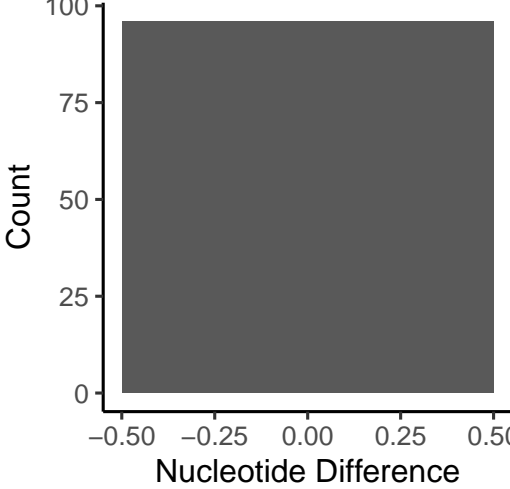
TRBV6-1*ap01

1941 sequences assigned
1818 (93.7%) exact matches, in which:
1816 unique CDR3
12 unique J



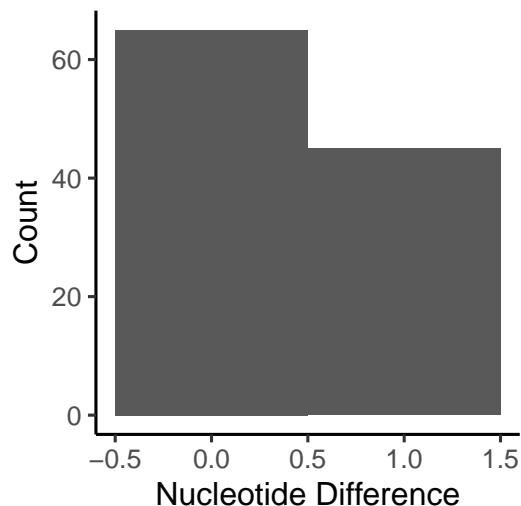
TRBV6-8*ap01

96 sequences assigned
96 (100%) exact matches, in which:
96 unique CDR3
12 unique J



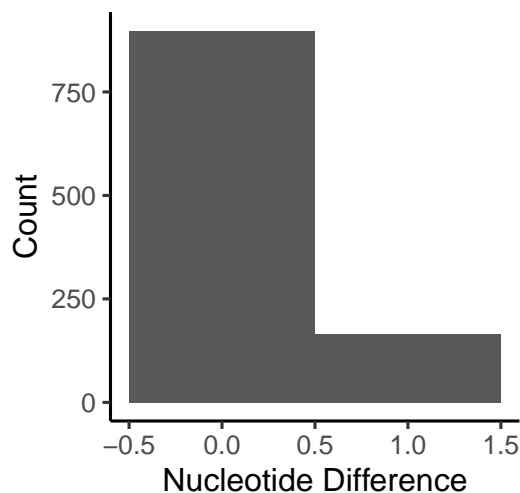
TRBV6–9*ap01

110 sequences assigned
65 (59.1%) exact matches, in which:
65 unique CDR3
10 unique J



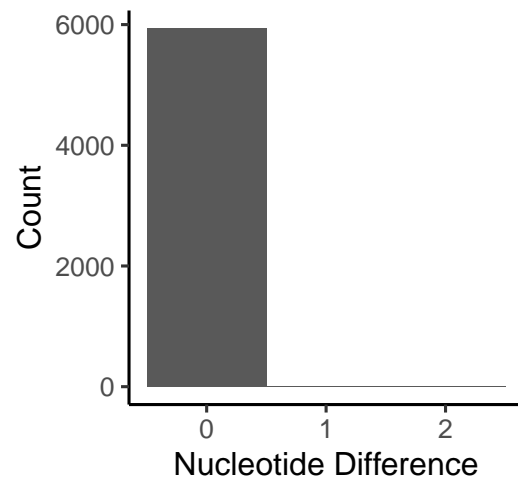
TRBV6–56*ap02

1063 sequences assigned
898 (84.5%) exact matches, in which:
896 unique CDR3
12 unique J



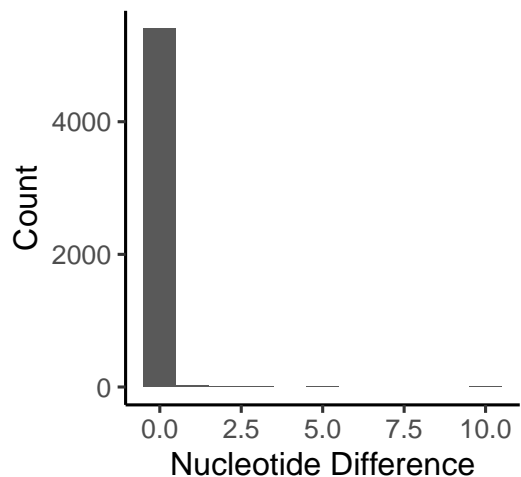
TRBV7–2*ap01

5950 sequences assigned
5937 (99.8%) exact matches, in which:
5934 unique CDR3
12 unique J



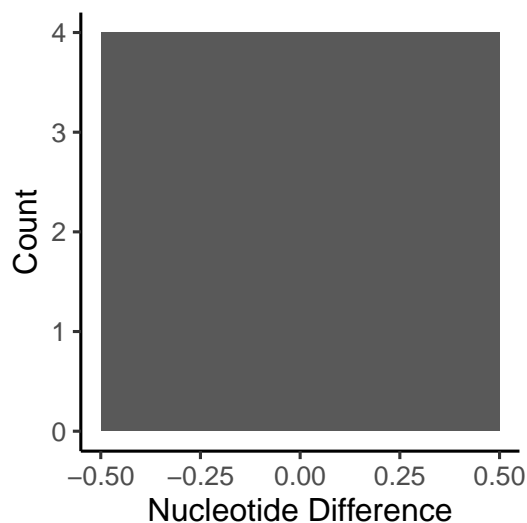
TRBV6–23*ap01

5431 sequences assigned
5402 (99.5%) exact matches, in which:
5390 unique CDR3
12 unique J



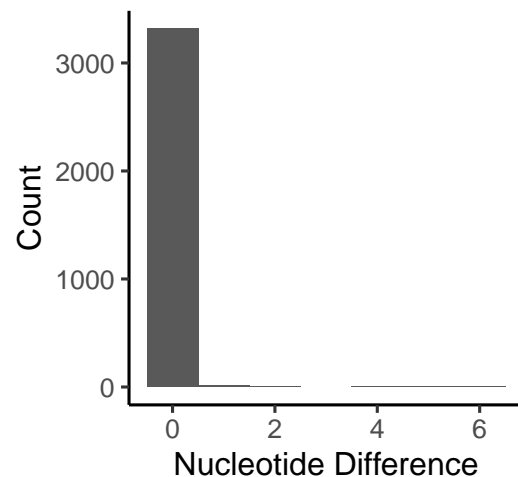
TRBV7–1*ap01

4 sequences assigned
4 (100%) exact matches, in which:
4 unique CDR3
3 unique J



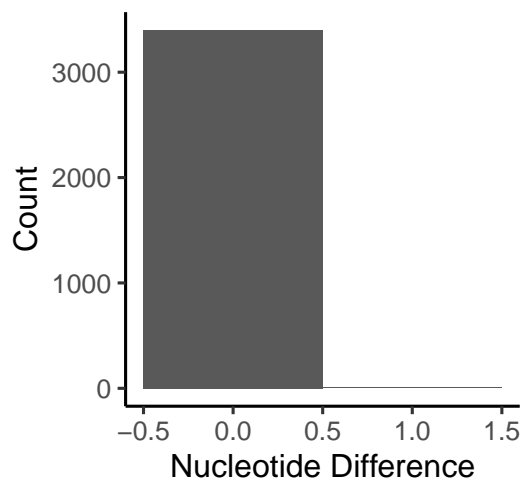
TRBV7–3*ap01

3332 sequences assigned
3317 (99.5%) exact matches, in which:
3309 unique CDR3
12 unique J



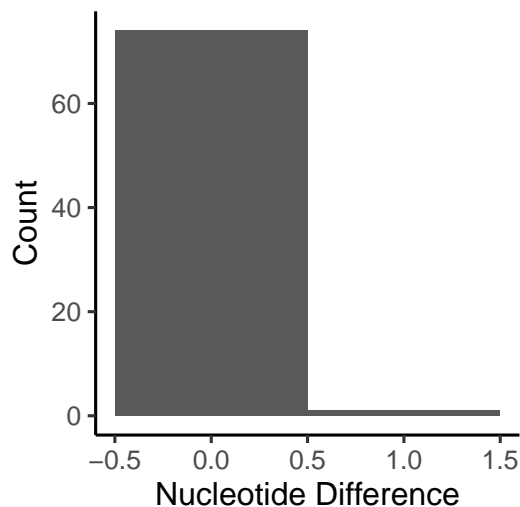
TRBV6–56*ap01

3407 sequences assigned
3400 (99.8%) exact matches, in which:
3389 unique CDR3
13 unique J



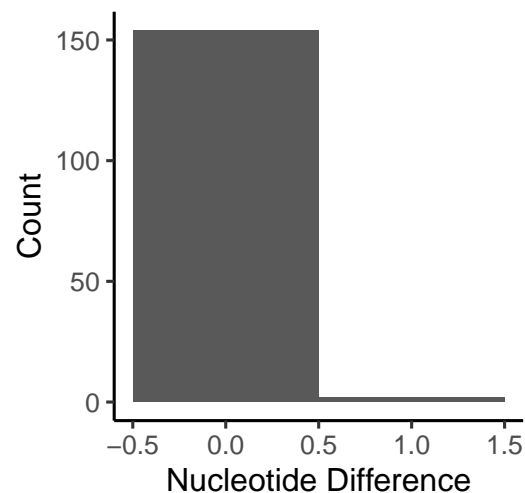
TRBV7–1*ap01_G291C_T

75 sequences assigned
74 (98.7%) exact matches, in which:
74 unique CDR3
12 unique J



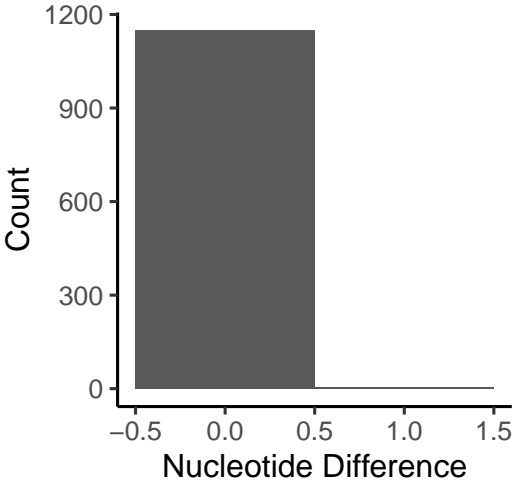
TRBV7–4*ap01

156 sequences assigned
154 (98.7%) exact matches, in which:
154 unique CDR3
12 unique J



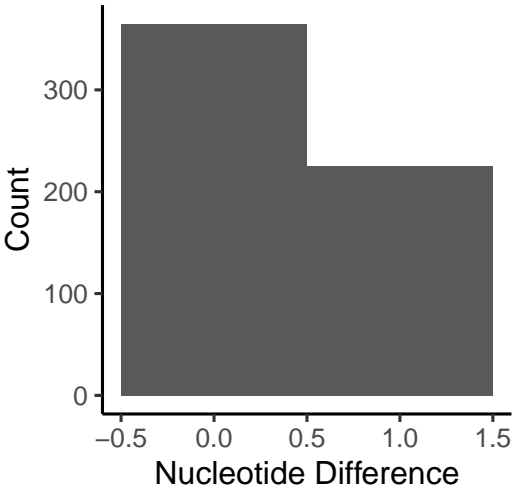
TRBV7-6*ap01

1153 sequences assigned
1149 (99.7%) exact matches, in which:
1147 unique CDR3
12 unique J



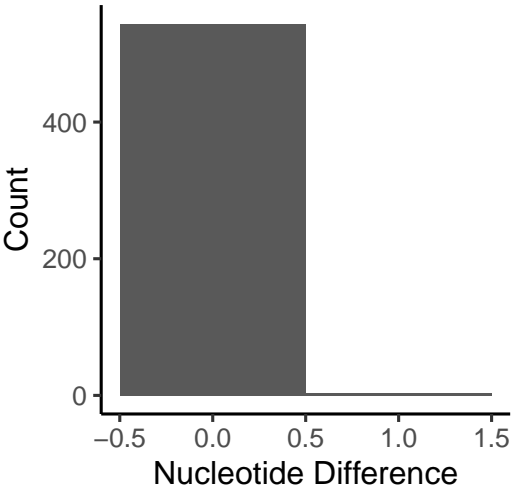
TRBV7-8*ap03

590 sequences assigned
365 (61.9%) exact matches, in which:
364 unique CDR3
12 unique J



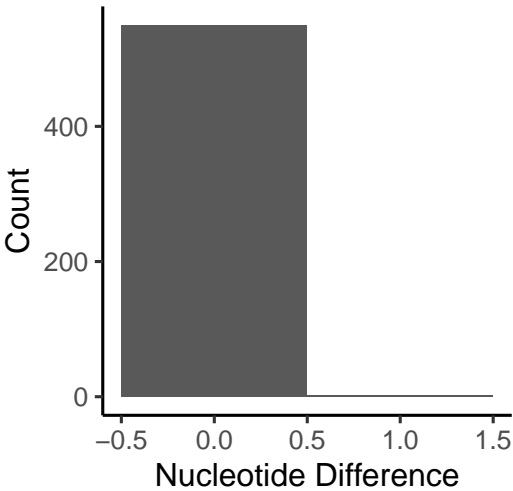
TRBV29-1*ap02

547 sequences assigned
544 (99.5%) exact matches, in which:
541 unique CDR3
12 unique J



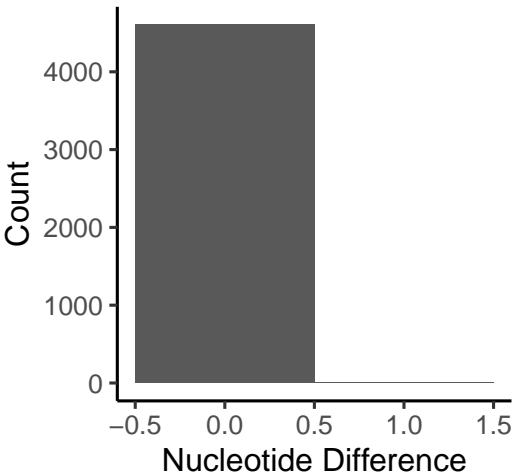
TRBV7-7*ap01_C315T

552 sequences assigned
550 (99.6%) exact matches, in which:
550 unique CDR3
12 unique J



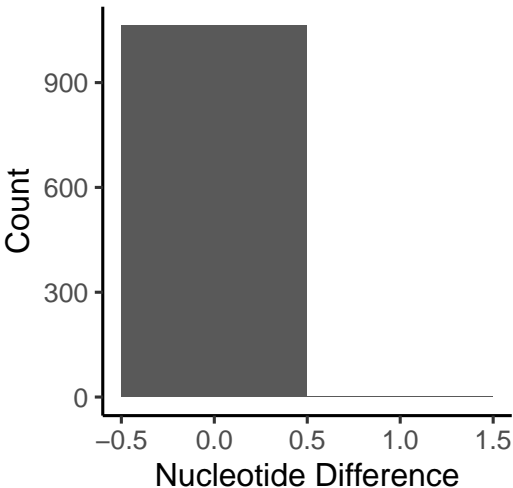
TRBV7-9*ap01

4608 sequences assigned
4605 (99.9%) exact matches, in which:
4604 unique CDR3
12 unique J



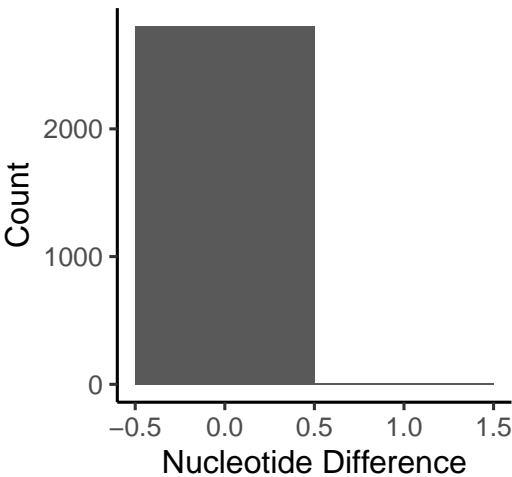
TRBV7-8*ap01

1065 sequences assigned
1064 (99.9%) exact matches, in which:
1063 unique CDR3
12 unique J

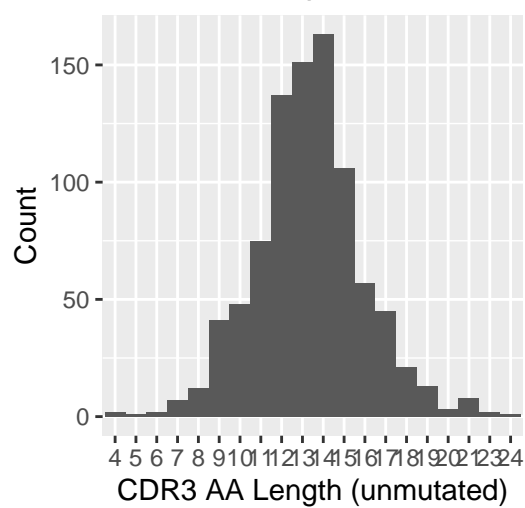


TRBV29-1*ap01

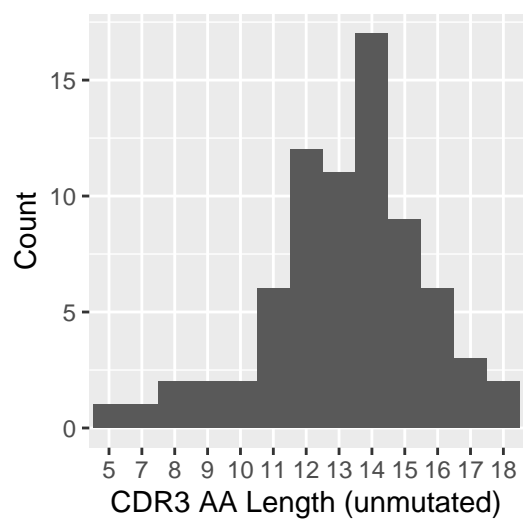
2815 sequences assigned
2805 (99.6%) exact matches, in which:
2798 unique CDR3
12 unique J



TRBV23-1*ap01_T304C



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T

