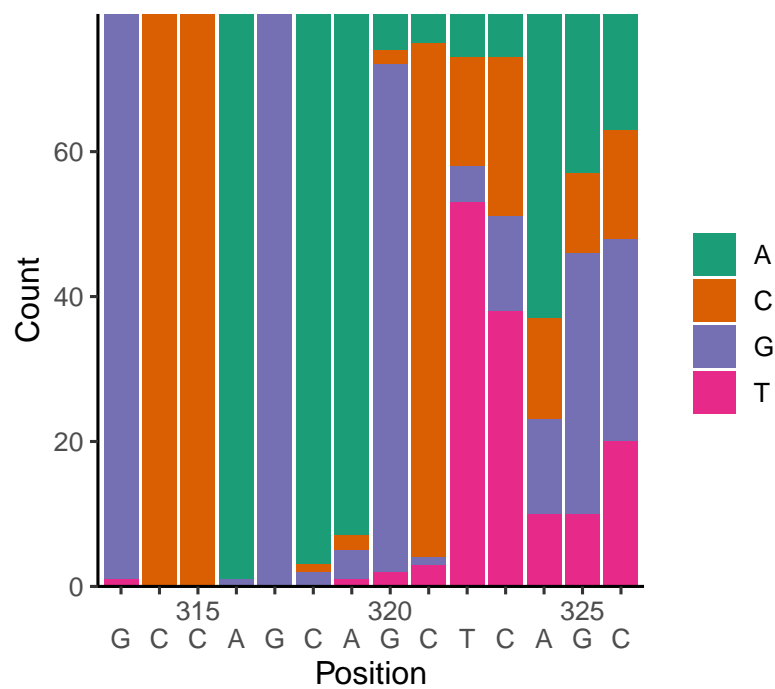
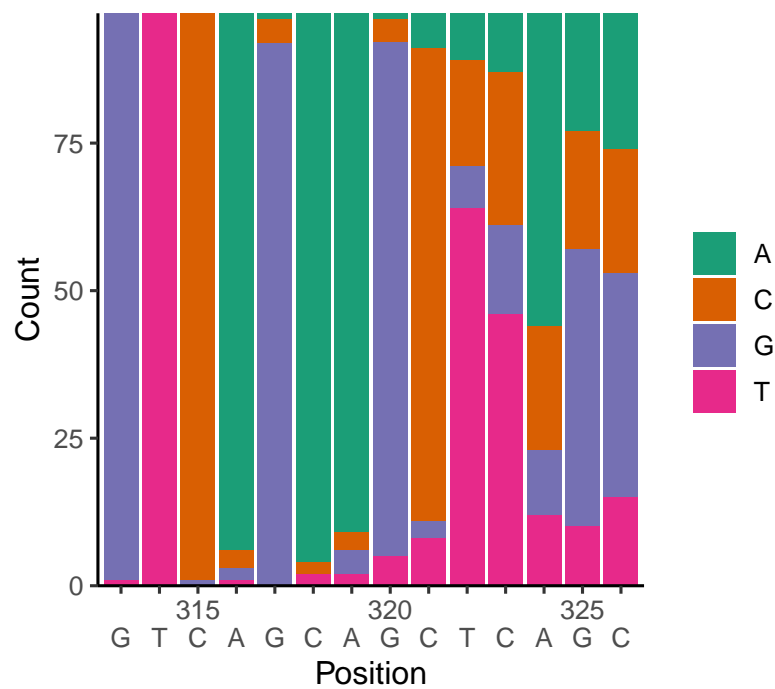


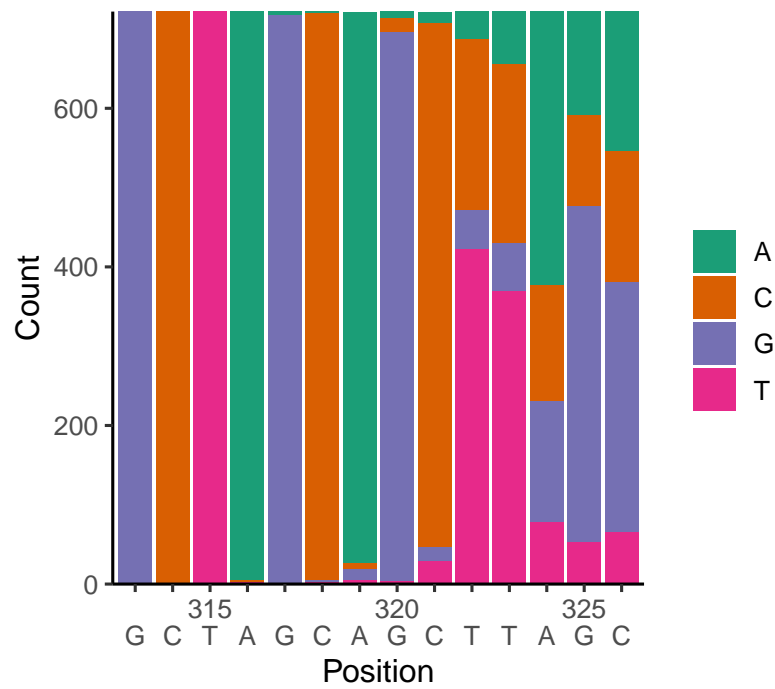
Gene TRBV7-1*ap01_G291C_T296C



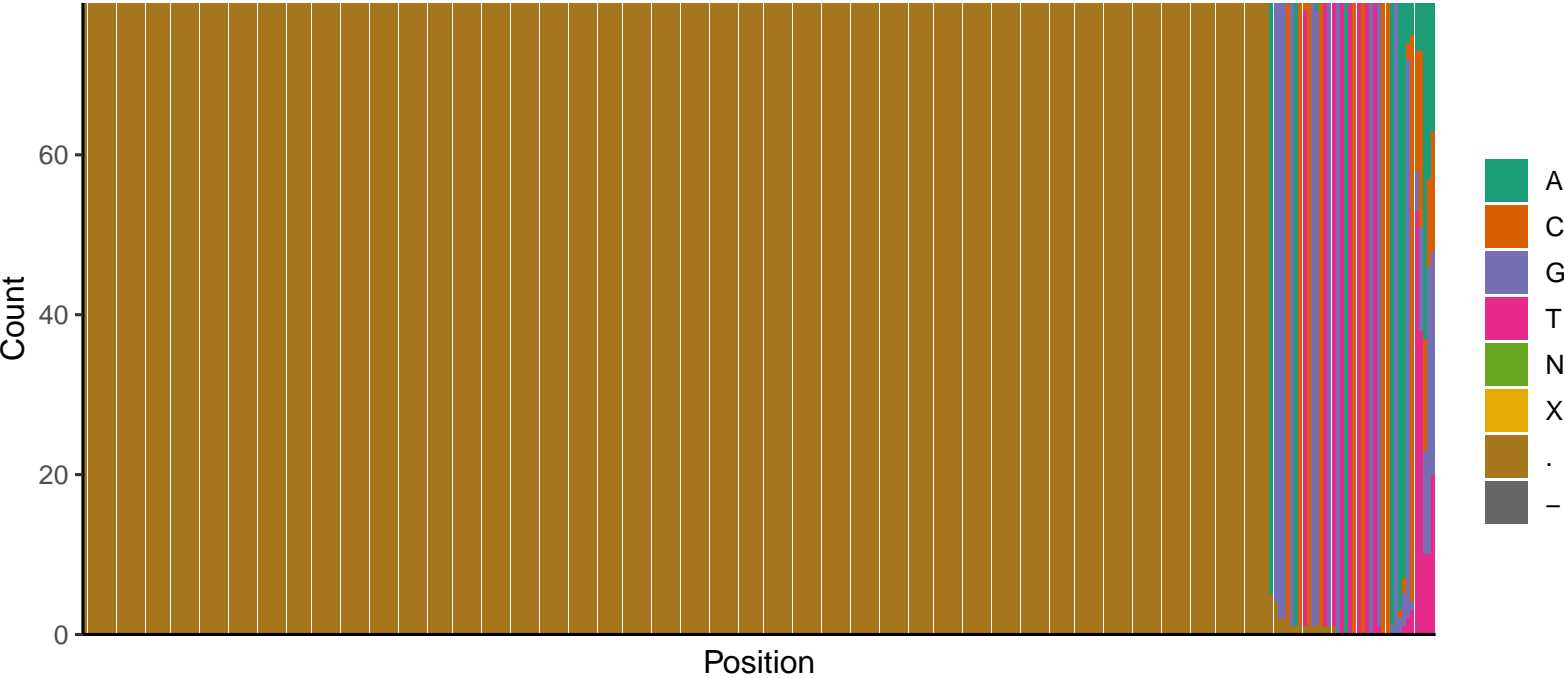
Gene TRBV7-1*ap01_G291C_T296C_C314T



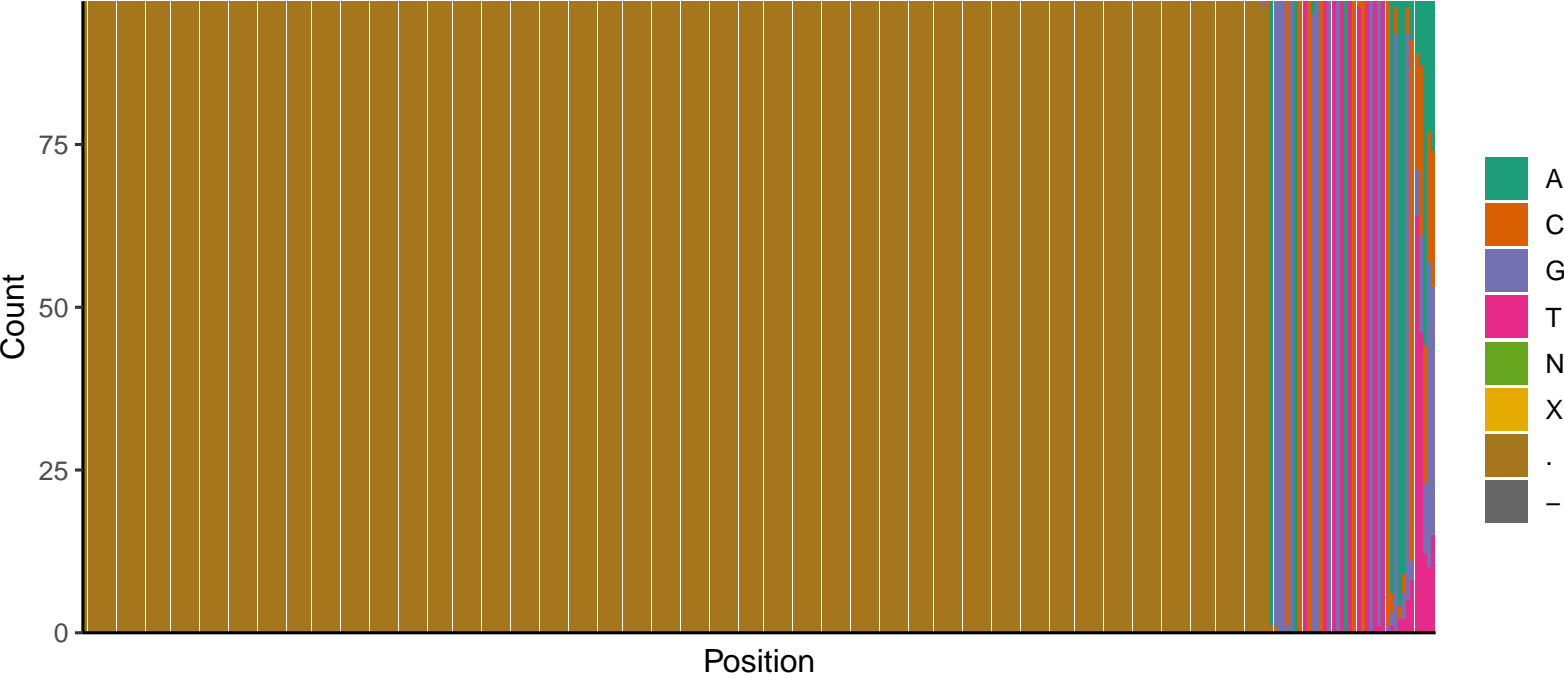
Gene TRBV7-7*ap01_C315T



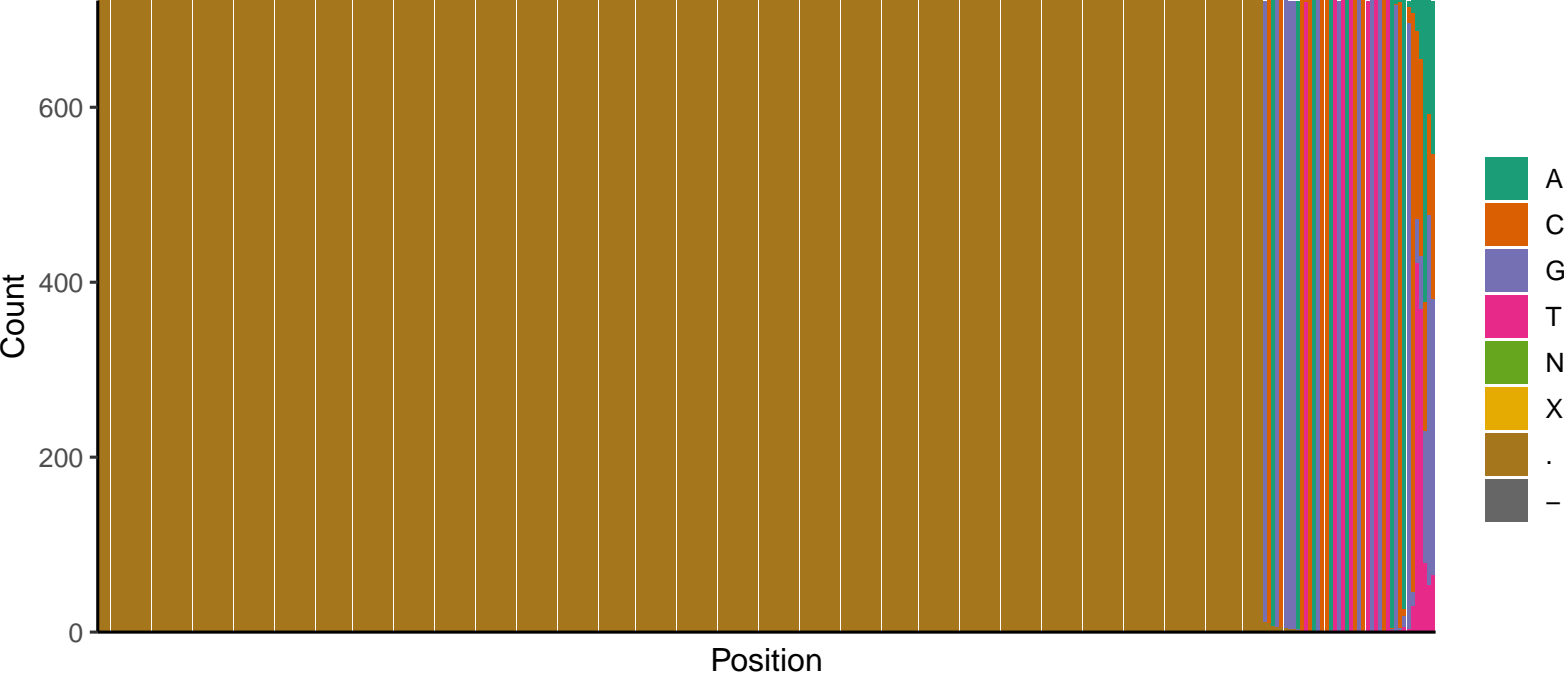
Gene TRBV7-1*ap01_G291C_T296C



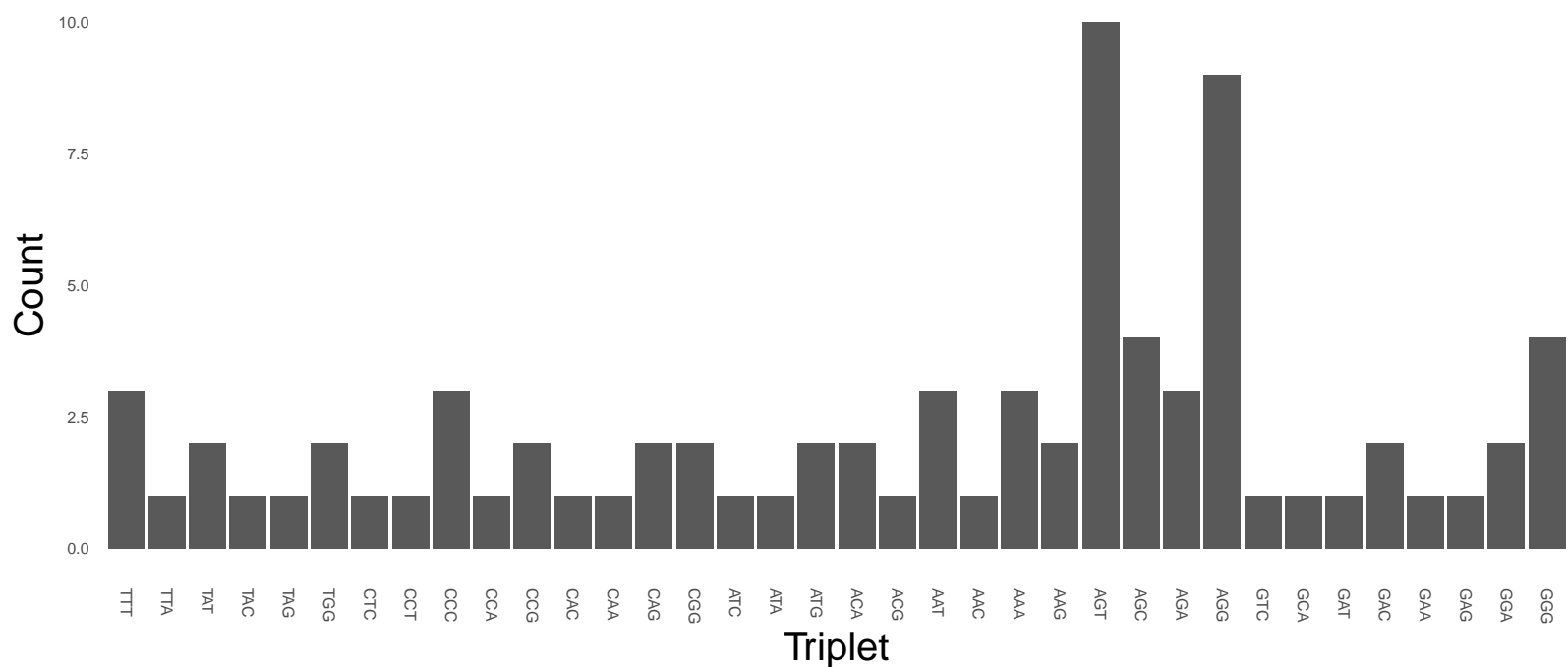
Gene TRBV7-1*ap01_G291C_T296C_C314T



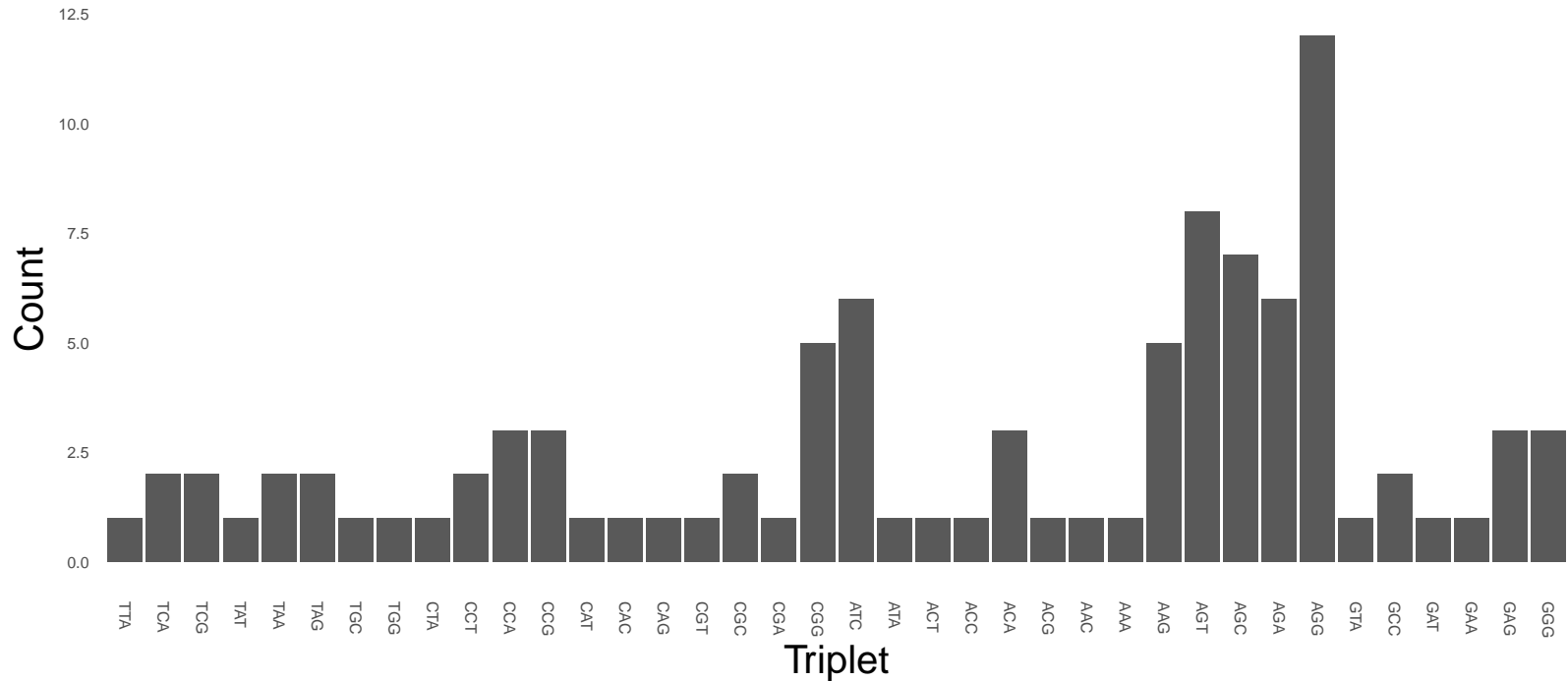
Gene TRBV7-7*ap01_C315T



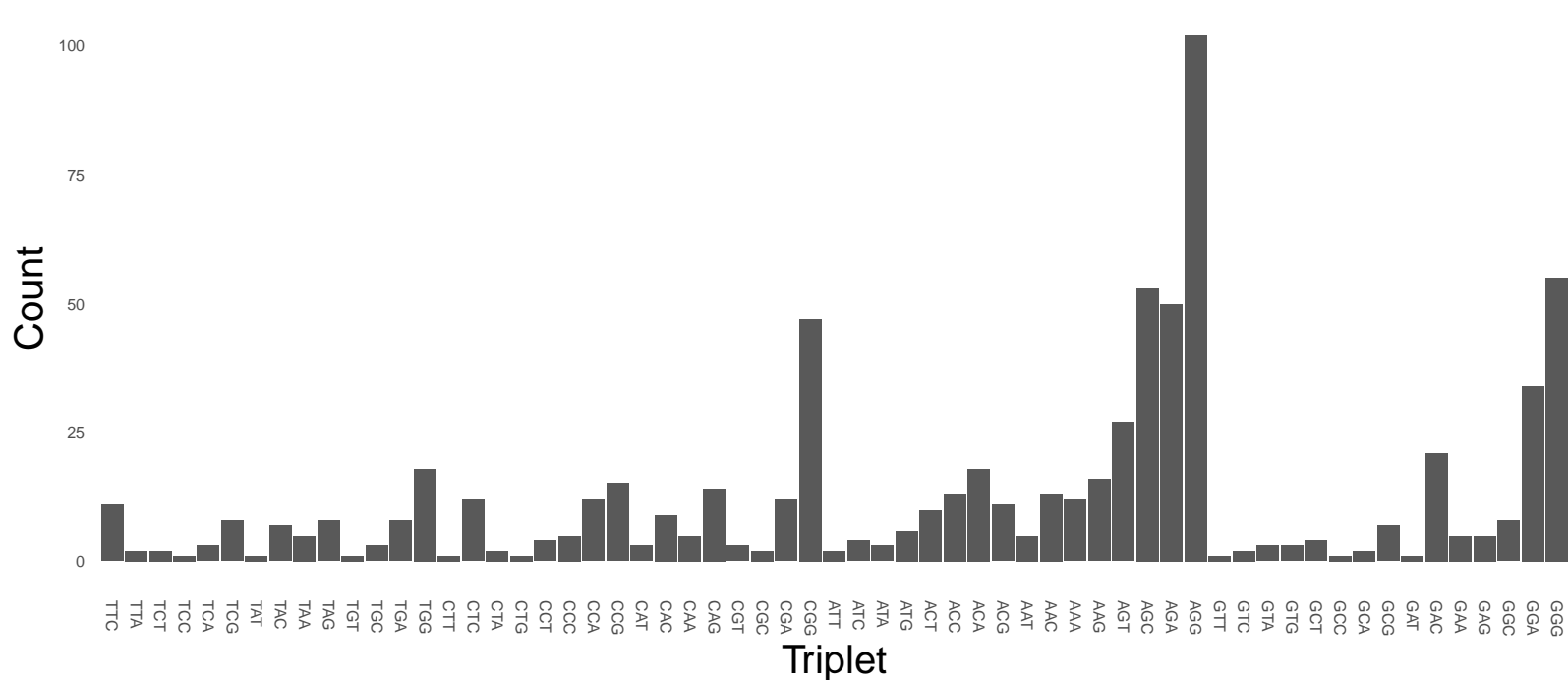
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



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

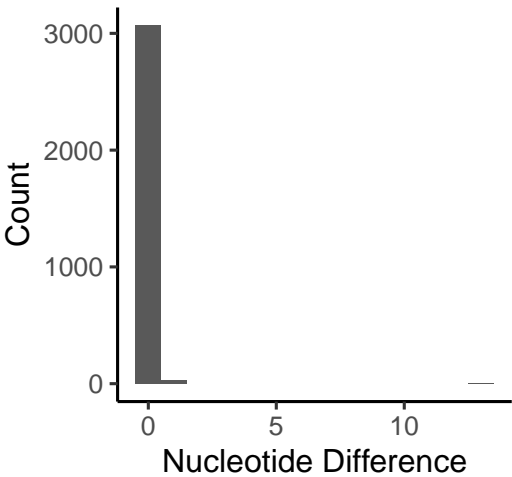


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



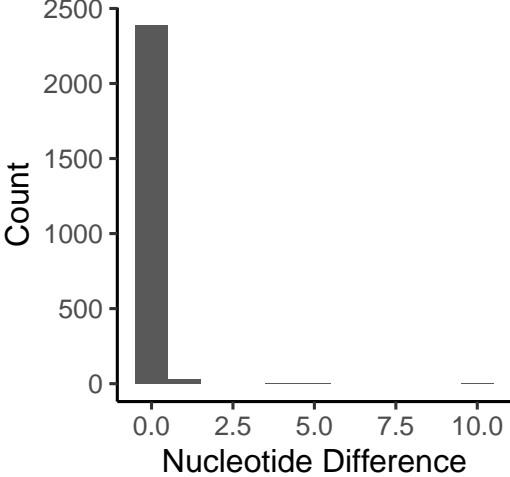
TRBV10-1*ap01

3096 sequences assigned
3068 (99.1%) exact matches, in which:
3014 unique CDR3
13 unique J



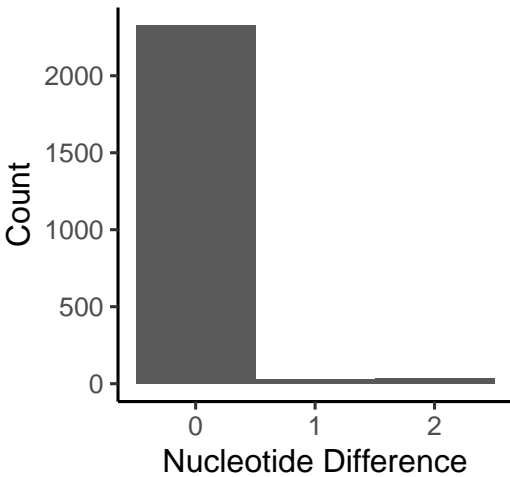
TRBV10-2*ap01

2419 sequences assigned
2387 (98.7%) exact matches, in which:
2352 unique CDR3
13 unique J



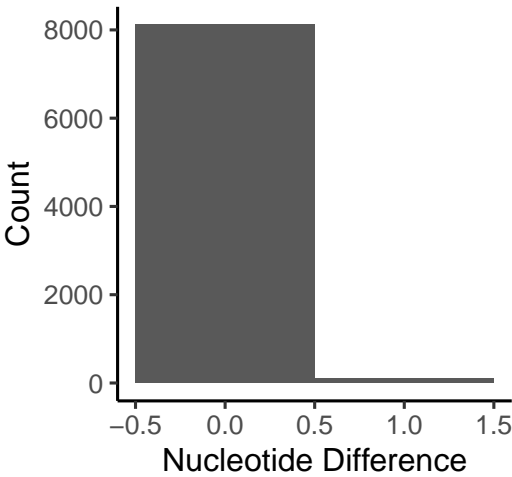
TRBV13*ap01

2392 sequences assigned
2327 (97.3%) exact matches, in which:
2265 unique CDR3
13 unique J



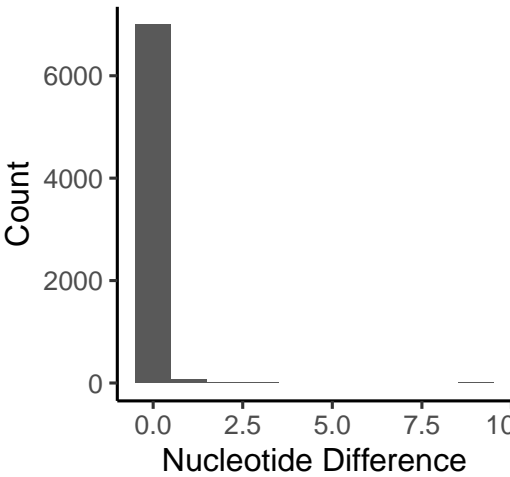
TRBV20-1*ap01

8221 sequences assigned
8117 (98.7%) exact matches, in which:
8030 unique CDR3
13 unique J



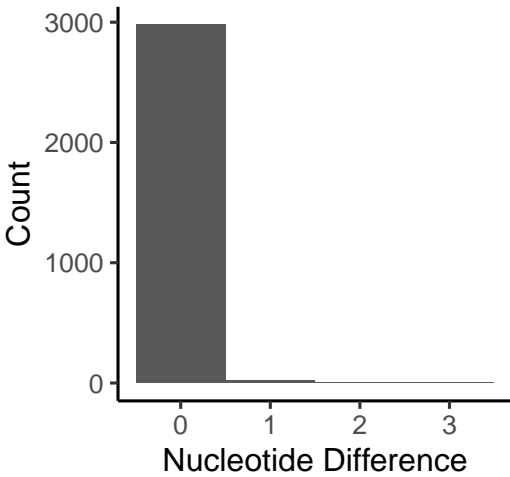
TRBV10-3*ap01

7074 sequences assigned
6996 (98.9%) exact matches, in which:
6880 unique CDR3
13 unique J



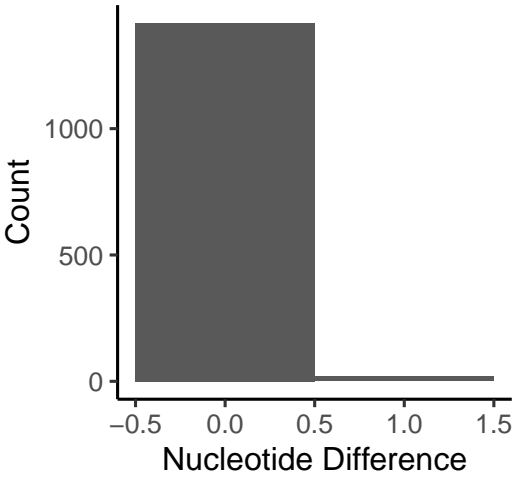
TRBV14*ap01

2998 sequences assigned
2979 (99.4%) exact matches, in which:
2945 unique CDR3
13 unique J



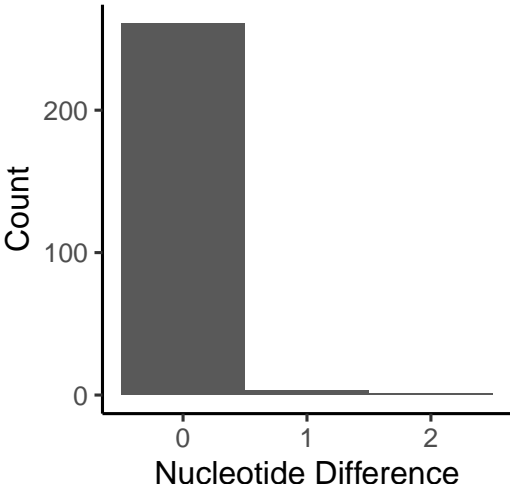
TRBV20-1*ap02

1437 sequences assigned
1418 (98.7%) exact matches, in which:
1402 unique CDR3
13 unique J



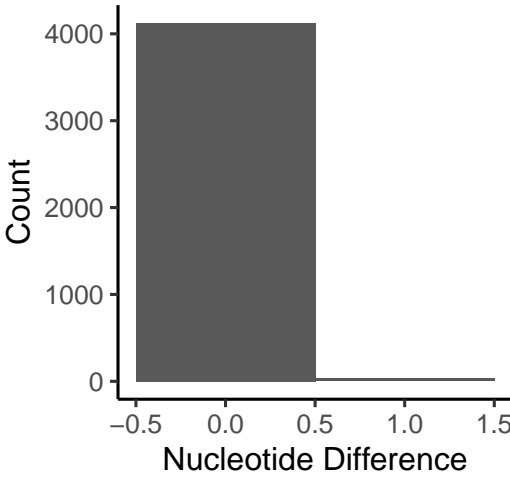
TRBV1*ap01

265 sequences assigned
261 (98.5%) exact matches, in which:
255 unique CDR3
13 unique J



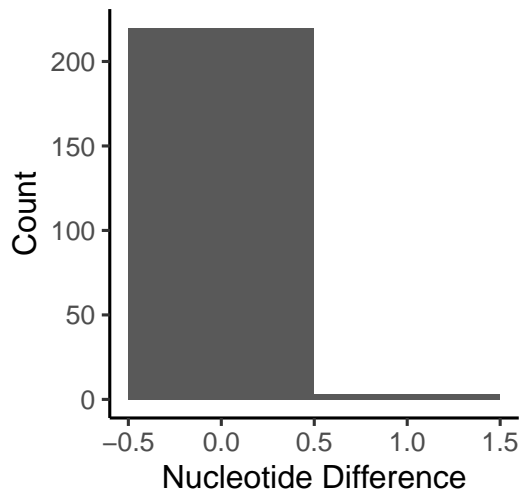
TRBV15*ap02

4157 sequences assigned
4124 (99.2%) exact matches, in which:
4035 unique CDR3
13 unique J



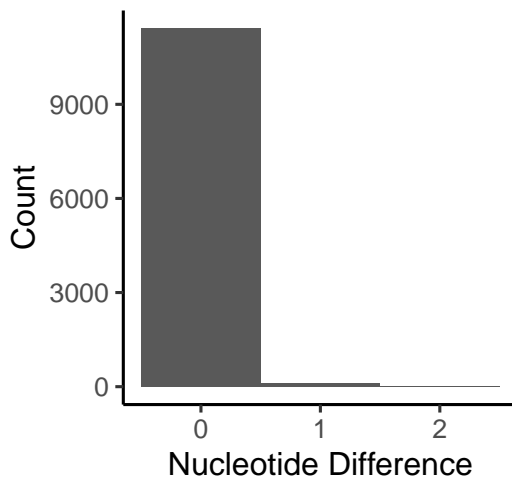
TRBV16*ap01

223 sequences assigned
220 (98.7%) exact matches, in which:
219 unique CDR3
13 unique J



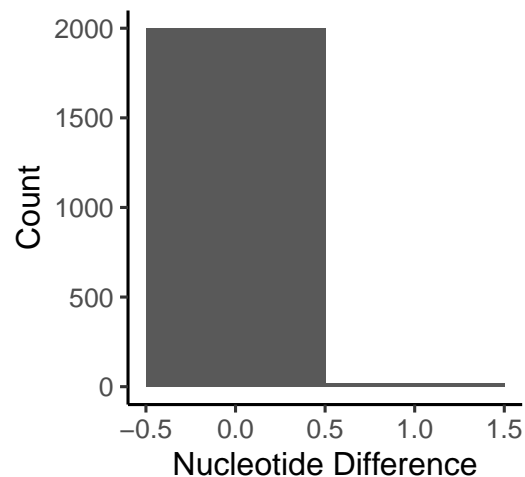
TRBV2*ap01

11536 sequences assigned
11420 (99%) exact matches, in which:
11237 unique CDR3
13 unique J



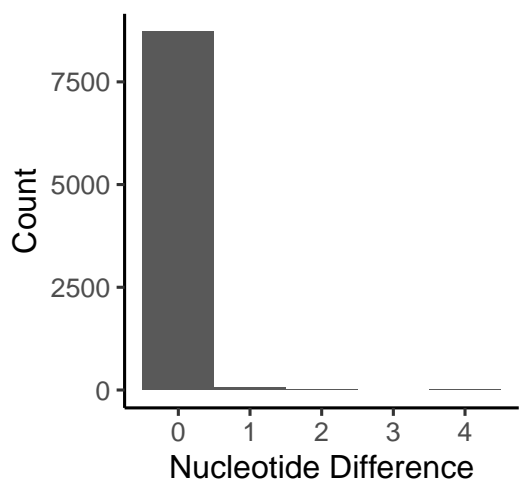
TRBV28*ap01

2018 sequences assigned
1999 (99.1%) exact matches, in which:
1975 unique CDR3
13 unique J



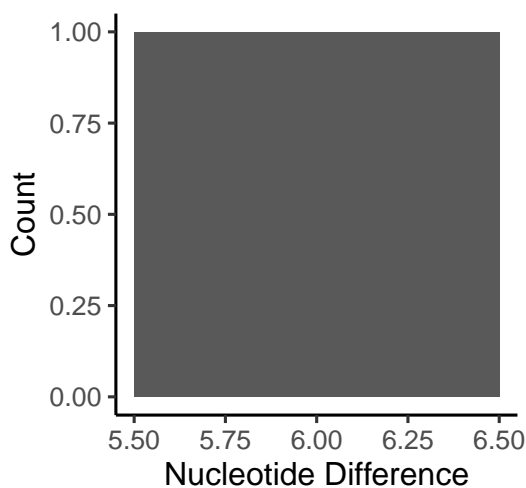
TRBV18*ap01

8778 sequences assigned
8720 (99.3%) exact matches, in which:
8654 unique CDR3
13 unique J



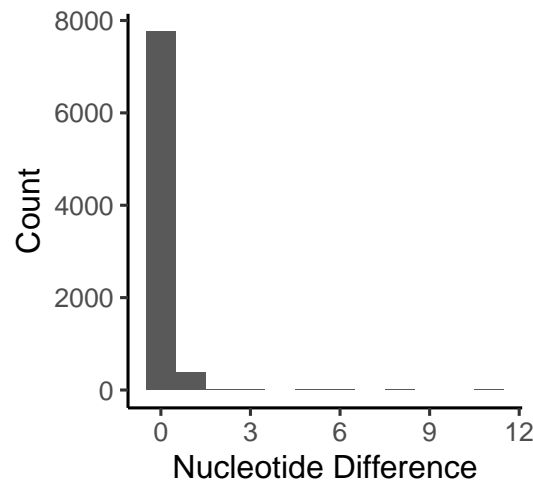
TRBV26*ap01

1 sequences assigned
No exact matches.



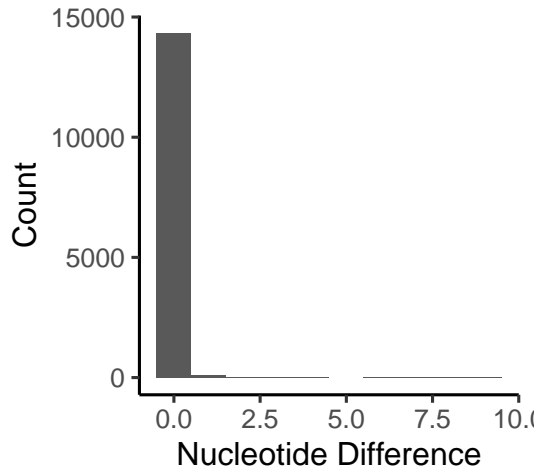
TRBV30*ap01

8151 sequences assigned
7757 (95.2%) exact matches, in which:
7672 unique CDR3
13 unique J



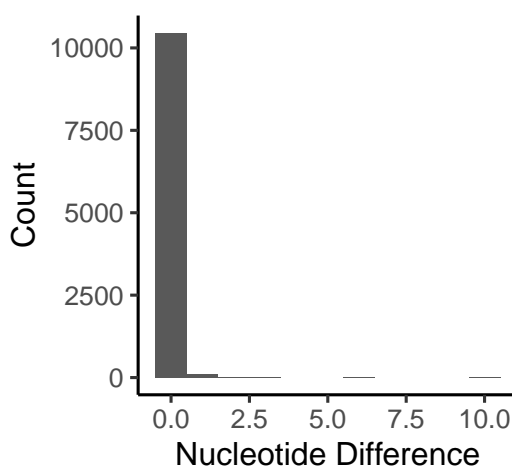
TRBV19*ap01

14473 sequences assigned
14345 (99.1%) exact matches, in which:
14241 unique CDR3
13 unique J



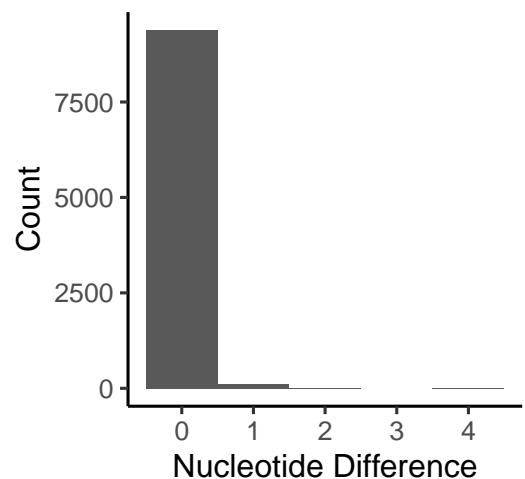
TRBV27*ap01

10570 sequences assigned
10459 (98.9%) exact matches, in which:
10299 unique CDR3
13 unique J



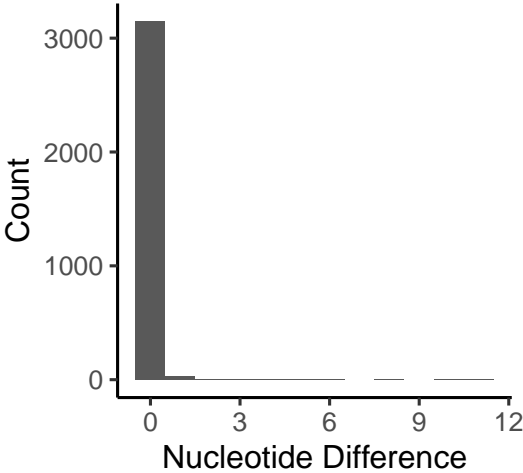
TRBV9*ap01

9498 sequences assigned
9385 (98.8%) exact matches, in which:
9239 unique CDR3
13 unique J



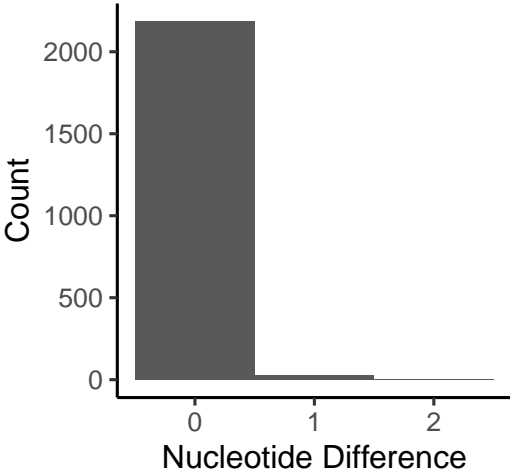
TRBV21-1*ap01

3192 sequences assigned
3147 (98.6%) exact matches, in which:
3117 unique CDR3
13 unique J



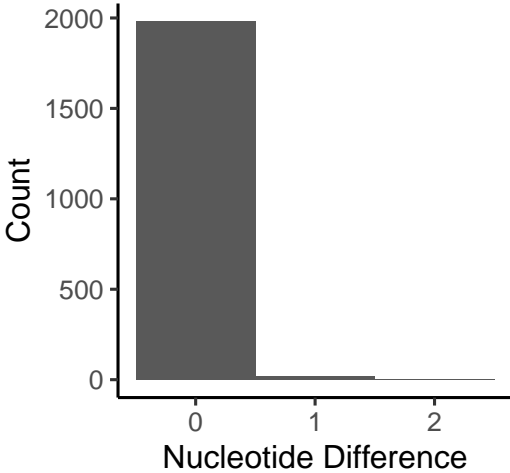
TRBV11-3*ap01

2211 sequences assigned
2185 (98.8%) exact matches, in which:
2161 unique CDR3
13 unique J



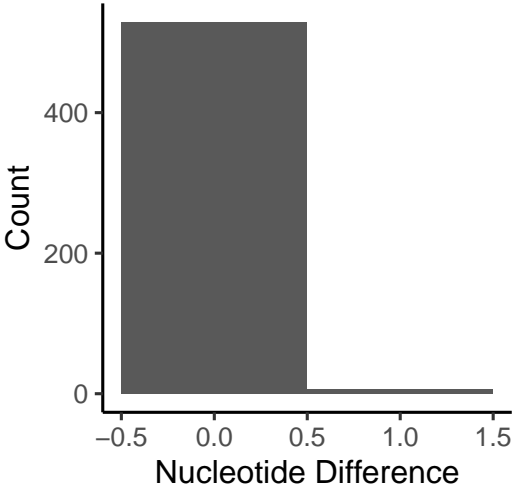
TRBV12-5*ap01

2002 sequences assigned
1981 (99%) exact matches, in which:
1950 unique CDR3
13 unique J



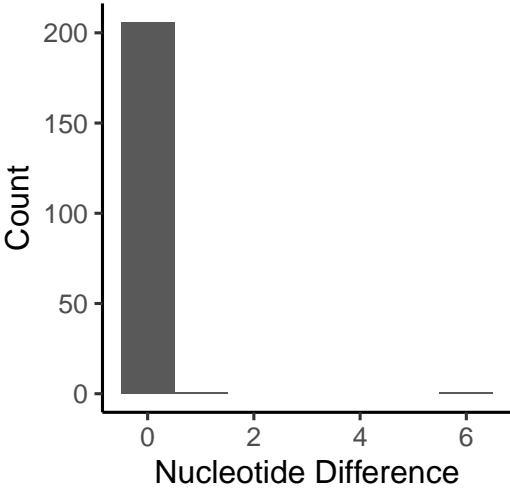
TRBV11-1*ap01

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



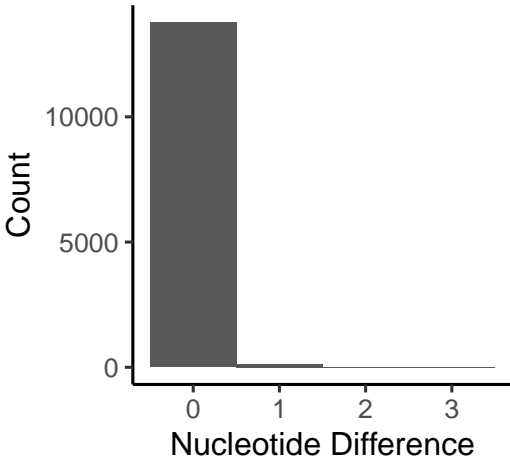
TRBV12-1*ap01

208 sequences assigned
206 (99%) exact matches, in which:
204 unique CDR3
13 unique J



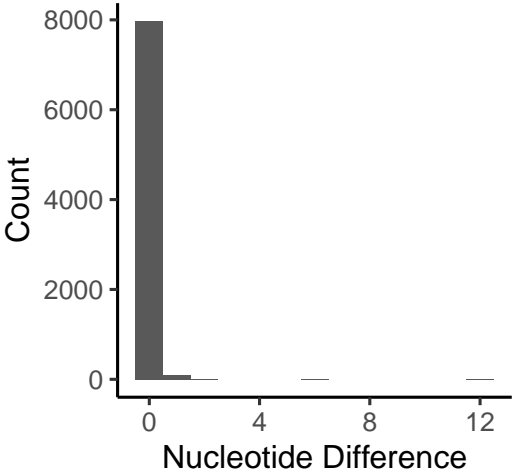
TRBV12-34*ap01

13913 sequences assigned
13768 (99%) exact matches, in which:
13581 unique CDR3
13 unique J



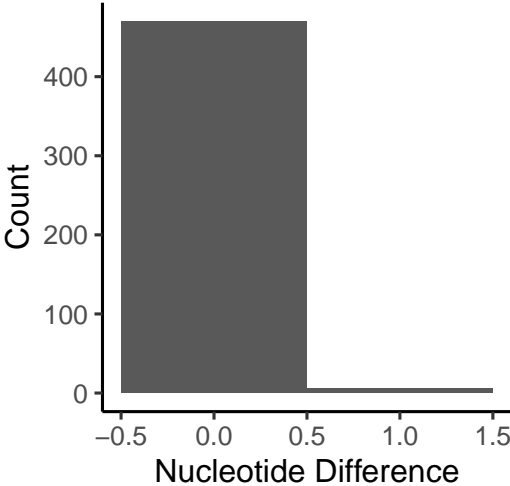
TRBV11-2*ap01

8072 sequences assigned
7973 (98.8%) exact matches, in which:
7851 unique CDR3
13 unique J



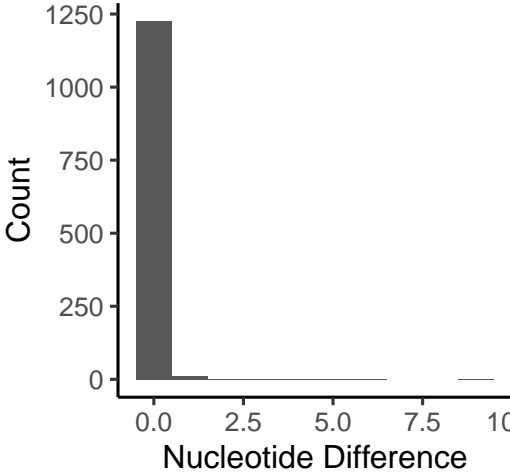
TRBV12-2*ap01

476 sequences assigned
470 (98.7%) exact matches, in which:
463 unique CDR3
13 unique J



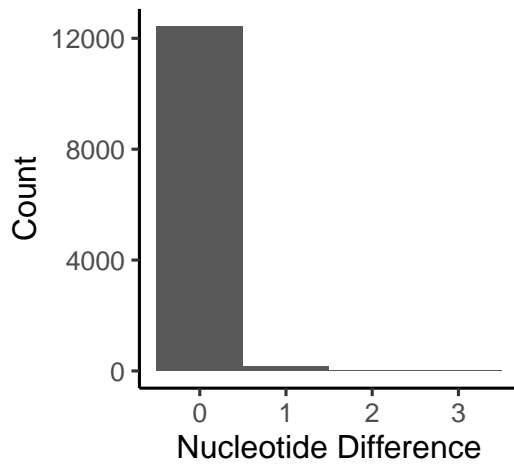
TRBV23-1*ap01

1249 sequences assigned
1226 (98.2%) exact matches, in which:
1215 unique CDR3
13 unique J



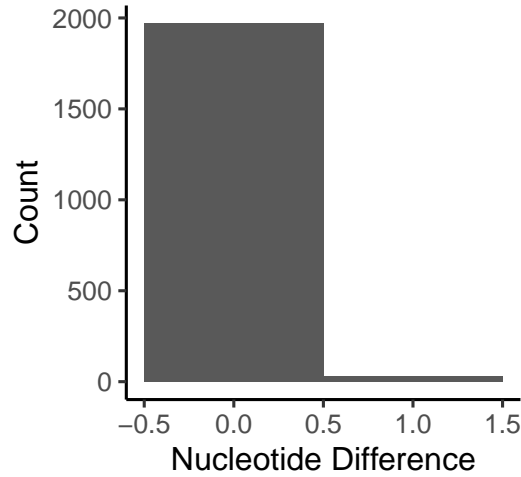
TRBV3-12*ap01

12593 sequences assigned
12439 (98.8%) exact matches, in which:
12244 unique CDR3
13 unique J



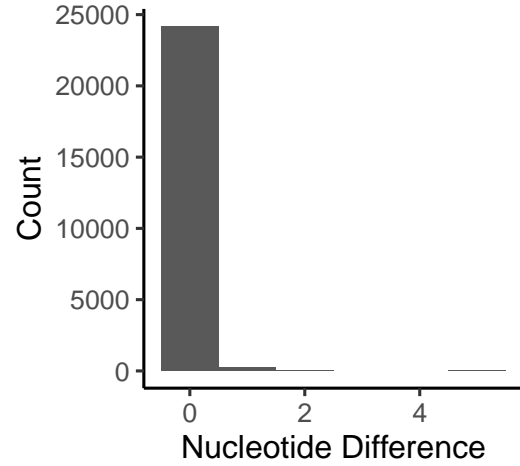
TRBV4-2*ap01

2000 sequences assigned
1970 (98.5%) exact matches, in which:
1947 unique CDR3
13 unique J



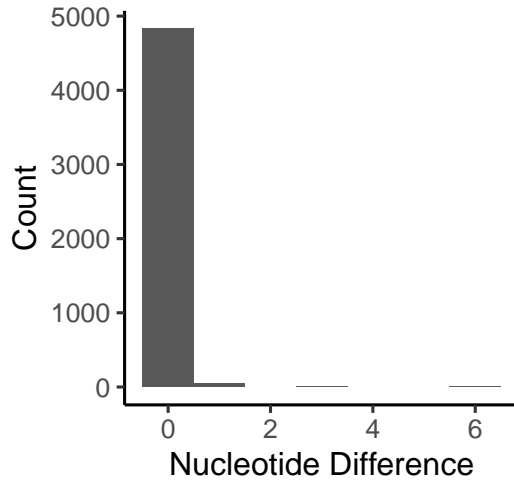
TRBV5-1*ap01

24457 sequences assigned
24190 (98.9%) exact matches, in which:
23738 unique CDR3
13 unique J



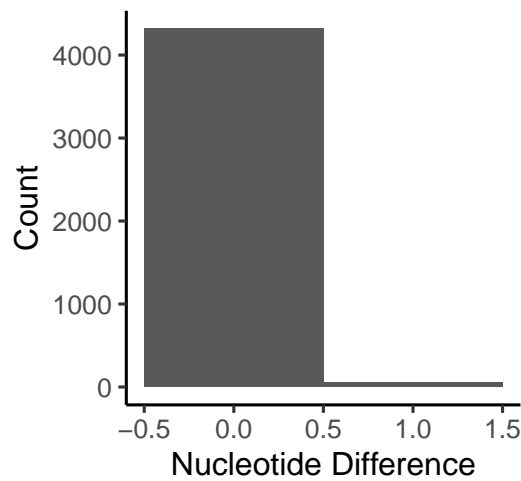
TRBV24-1*ap01

4885 sequences assigned
4830 (98.9%) exact matches, in which:
4775 unique CDR3
13 unique J



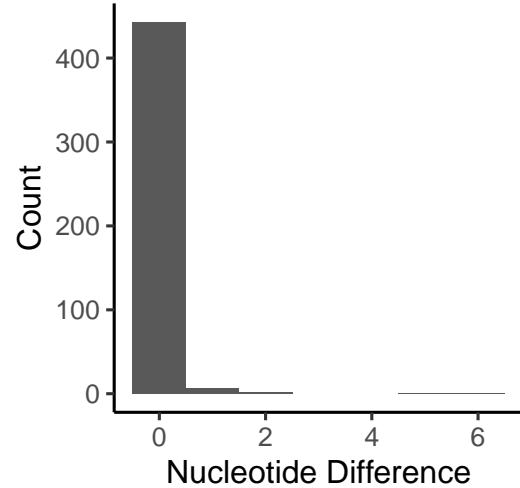
TRBV4-3*ap01

4369 sequences assigned
4317 (98.8%) exact matches, in which:
4266 unique CDR3
13 unique J



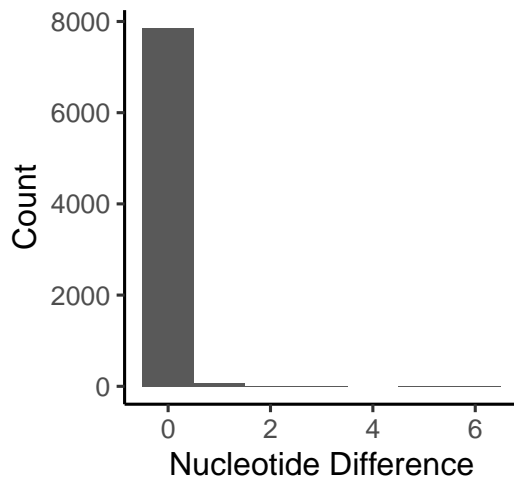
TRBV5-3*ap01

453 sequences assigned
443 (97.8%) exact matches, in which:
435 unique CDR3
13 unique J



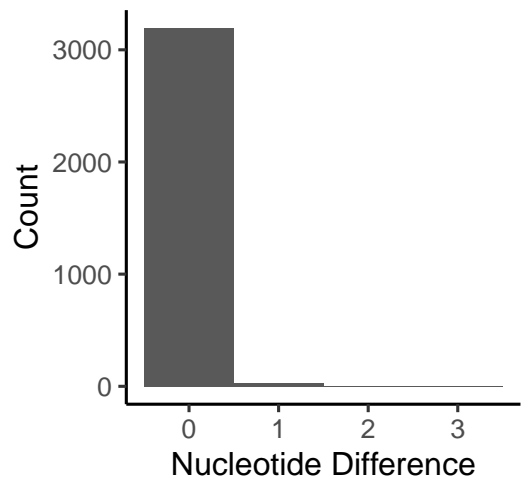
TRBV4-1*ap01

7926 sequences assigned
7856 (99.1%) exact matches, in which:
7753 unique CDR3
13 unique J



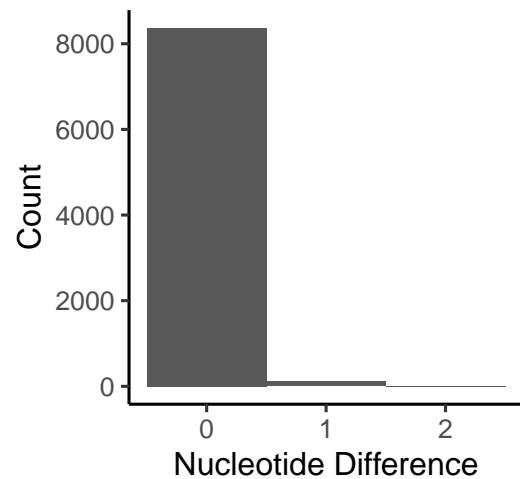
TRBV25-1*ap01

3231 sequences assigned
3194 (98.9%) exact matches, in which:
3147 unique CDR3
13 unique J



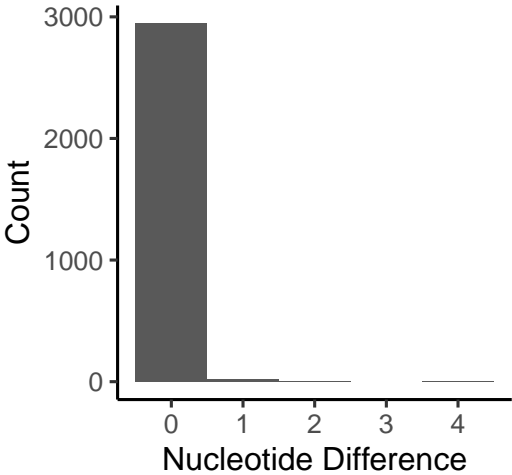
TRBV5-4*ap01

8485 sequences assigned
8367 (98.6%) exact matches, in which:
8224 unique CDR3
13 unique J



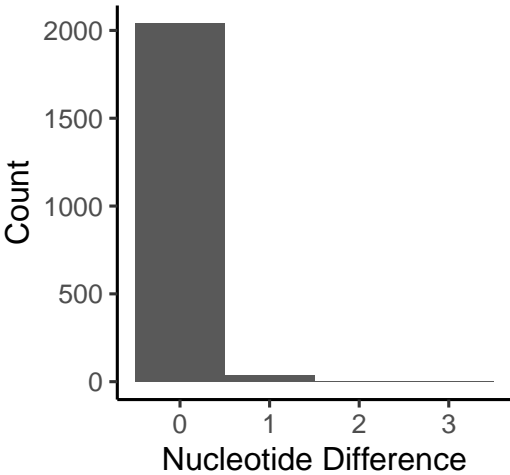
TRBV5-5*ap01

2969 sequences assigned
2946 (99.2%) exact matches, in which:
2925 unique CDR3
13 unique J



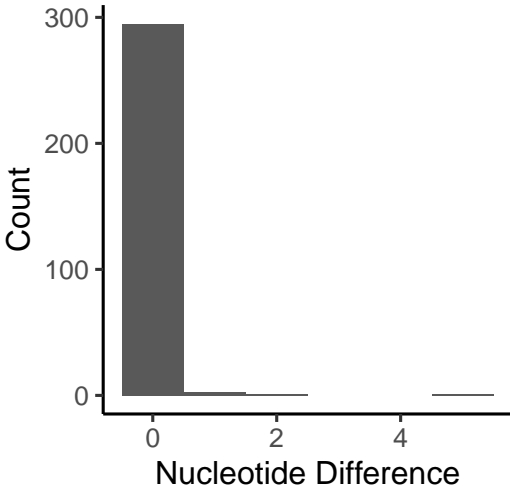
TRBV5-8*ap01

2081 sequences assigned
2040 (98%) exact matches, in which:
2009 unique CDR3
13 unique J



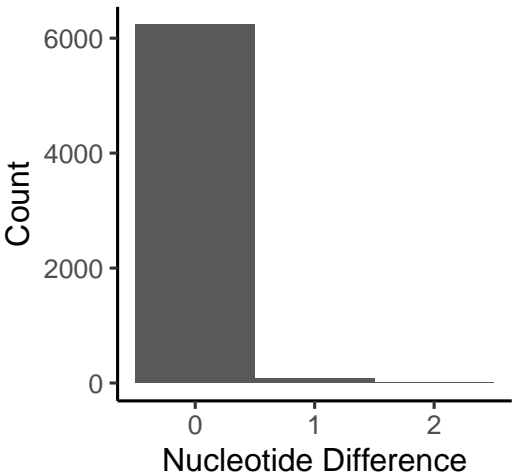
TRBV6-7*ap01

300 sequences assigned
295 (98.3%) exact matches, in which:
287 unique CDR3
13 unique J



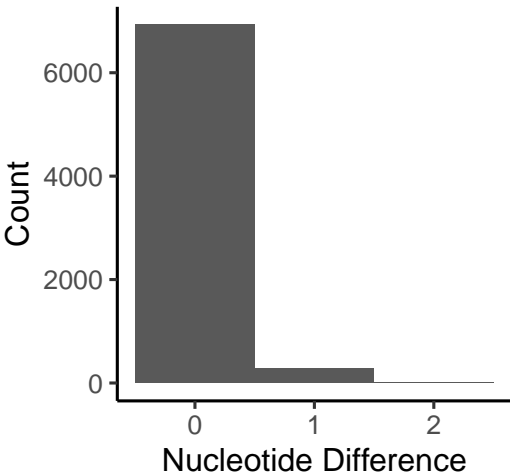
TRBV5-6*ap01

6311 sequences assigned
6234 (98.8%) exact matches, in which:
6112 unique CDR3
13 unique J



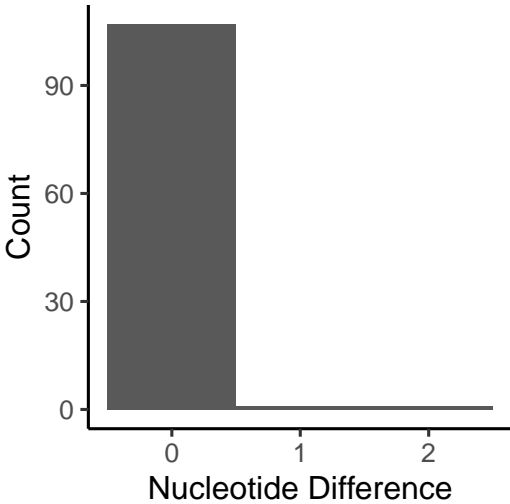
TRBV6-1*ap01

7209 sequences assigned
6928 (96.1%) exact matches, in which:
6797 unique CDR3
13 unique J



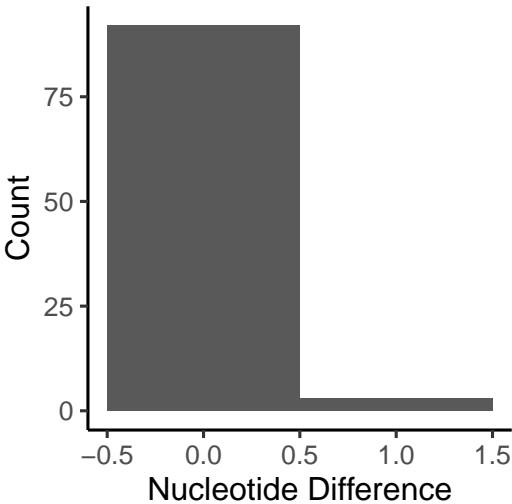
TRBV6-8*ap01

109 sequences assigned
107 (98.2%) exact matches, in which:
106 unique CDR3
13 unique J



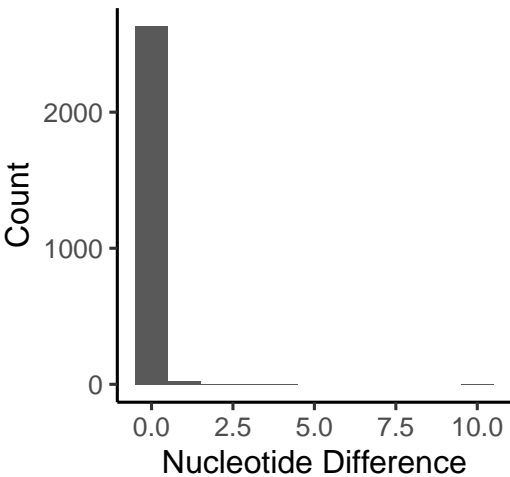
TRBV5-7*ap01

95 sequences assigned
92 (96.8%) exact matches, in which:
92 unique CDR3
13 unique J



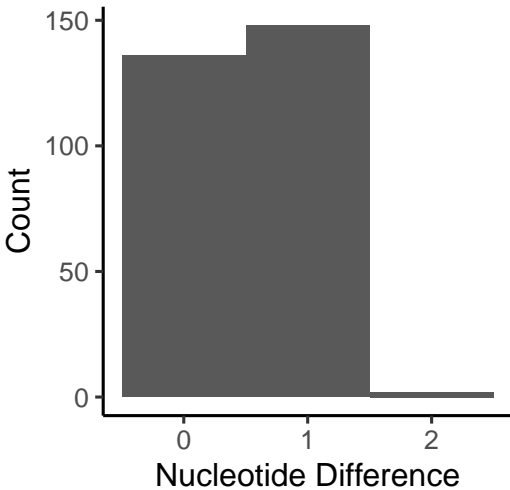
TRBV6-4*ap01

2663 sequences assigned
2633 (98.9%) exact matches, in which:
2604 unique CDR3
13 unique J



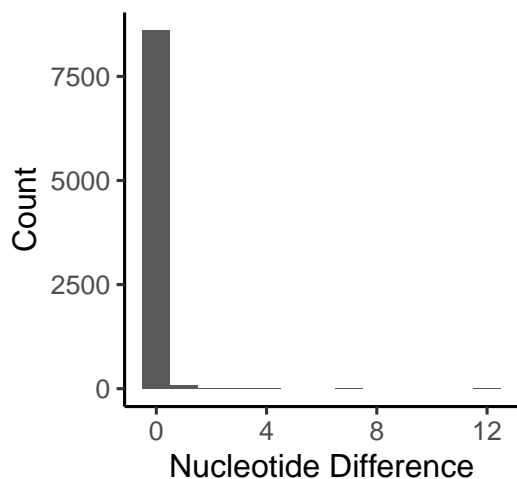
TRBV6-9*ap01

286 sequences assigned
136 (47.6%) exact matches, in which:
135 unique CDR3
13 unique J



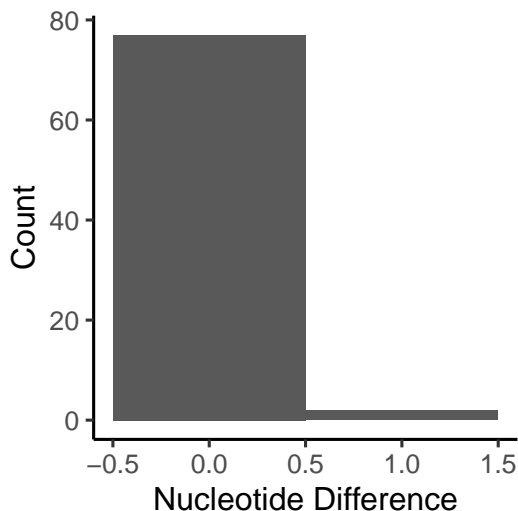
TRBV6-23*ap01

8698 sequences assigned
8603 (98.9%) exact matches, in which:
8459 unique CDR3
13 unique J



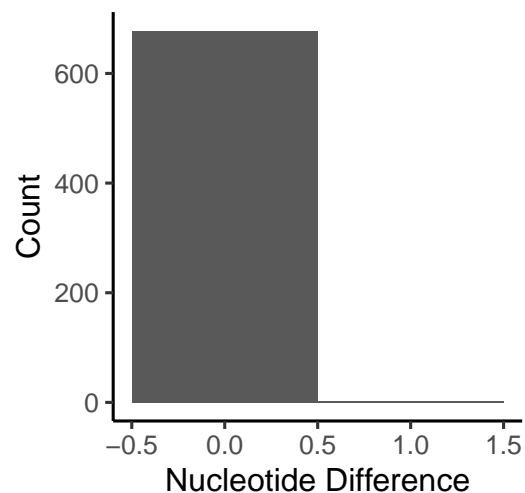
TRBV7-1*ap01_G291C_T

79 sequences assigned
77 (97.5%) exact matches, in which:
74 unique CDR3
13 unique J



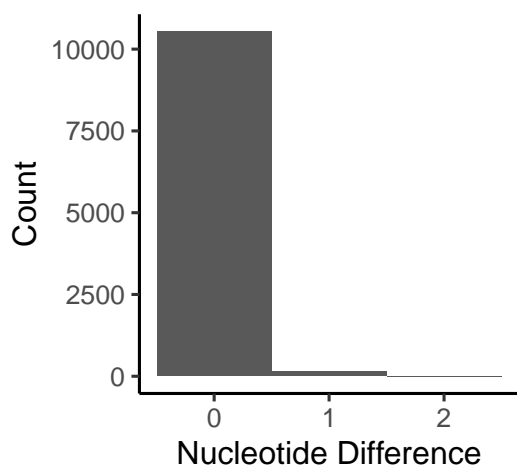
TRBV7-3*ap02

681 sequences assigned
678 (99.6%) exact matches, in which:
668 unique CDR3
13 unique J



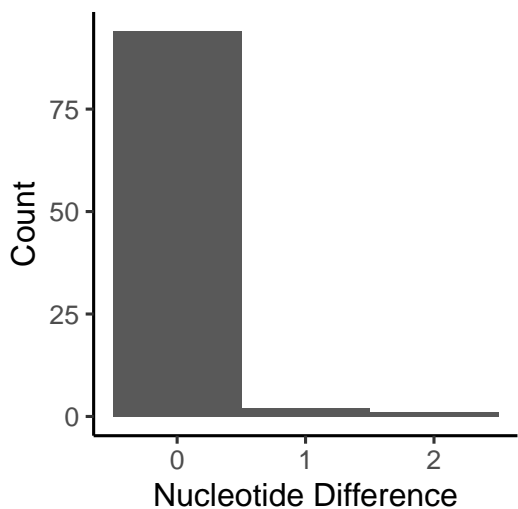
TRBV6-56*ap01

10687 sequences assigned
10540 (98.6%) exact matches, in which:
10321 unique CDR3
13 unique J



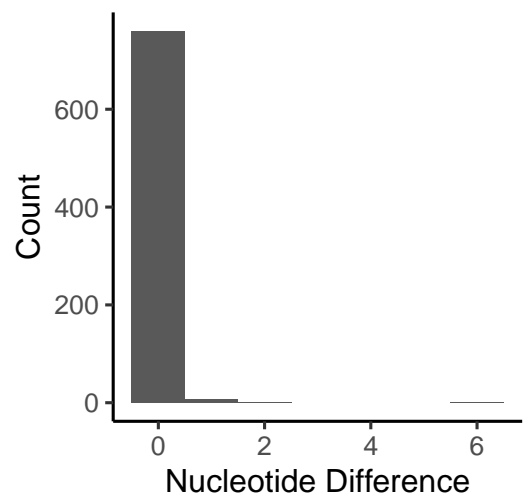
TRBV7-1*ap01_G291C_T

97 sequences assigned
94 (96.9%) exact matches, in which:
94 unique CDR3
13 unique J



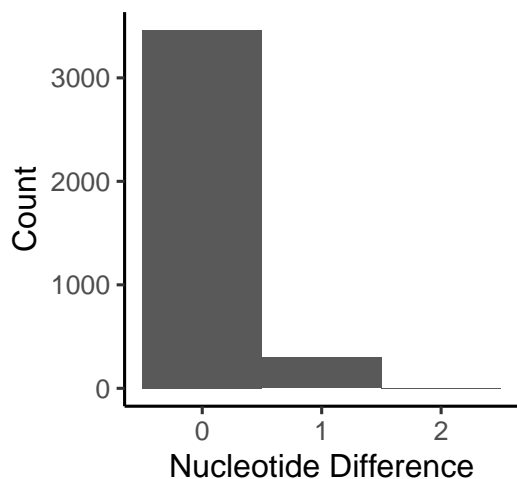
TRBV7-3*ap03

769 sequences assigned
760 (98.8%) exact matches, in which:
753 unique CDR3
13 unique J



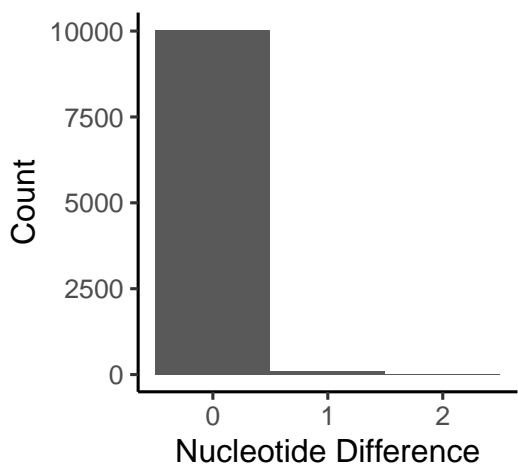
TRBV6-56*ap02

3765 sequences assigned
3462 (92%) exact matches, in which:
3392 unique CDR3
13 unique J



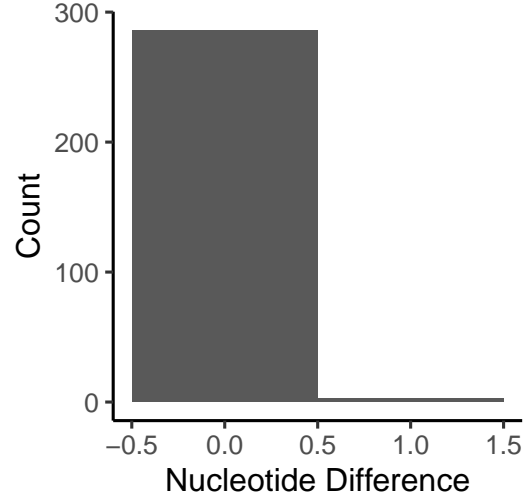
TRBV7-2*ap01

10129 sequences assigned
10037 (99.1%) exact matches, in which:
9921 unique CDR3
13 unique J



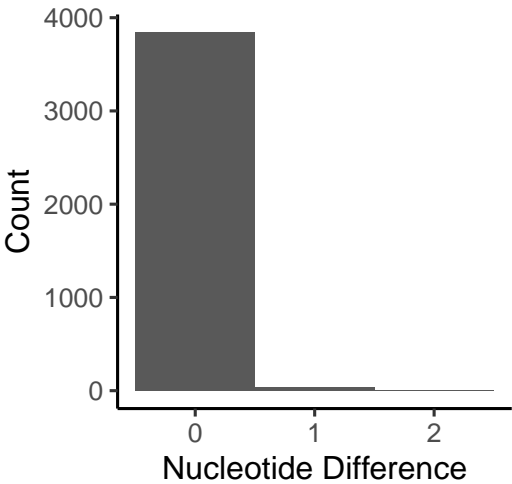
TRBV7-4*ap01

289 sequences assigned
286 (99%) exact matches, in which:
281 unique CDR3
12 unique J



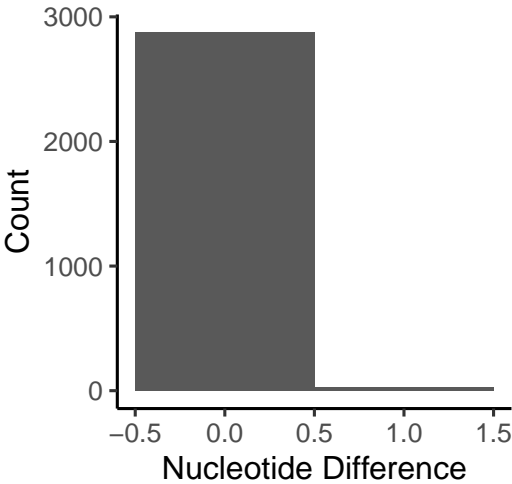
TRBV7-6*ap01

3879 sequences assigned
3842 (99%) exact matches, in which:
3783 unique CDR3
13 unique J



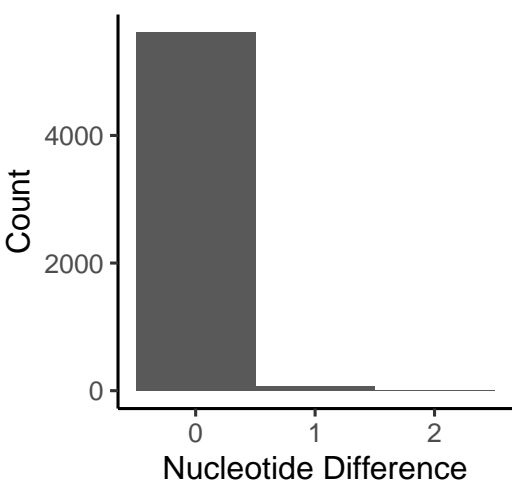
TRBV7-8*ap01

2904 sequences assigned
2875 (99%) exact matches, in which:
2829 unique CDR3
13 unique J



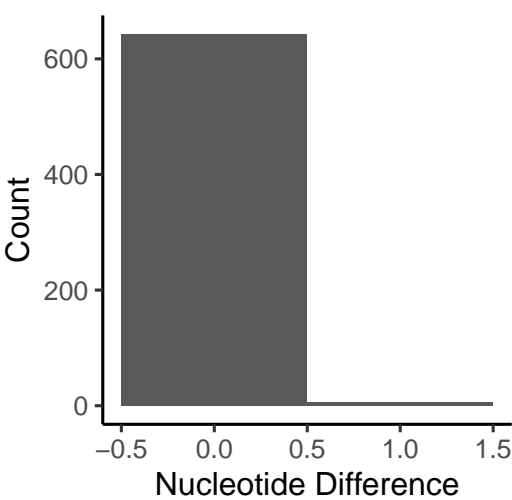
TRBV29-1*ap01

5696 sequences assigned
5615 (98.6%) exact matches, in which:
5537 unique CDR3
13 unique J



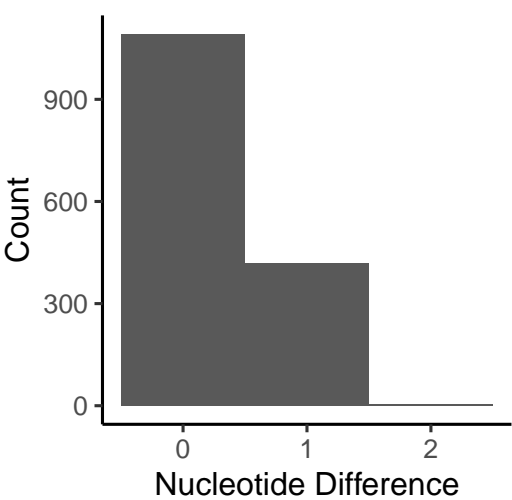
TRBV7-7*ap01

649 sequences assigned
643 (99.1%) exact matches, in which:
630 unique CDR3
13 unique J



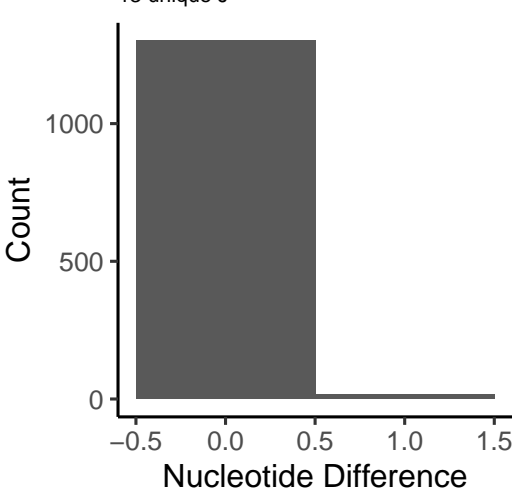
TRBV7-8*ap03

1517 sequences assigned
1092 (72%) exact matches, in which:
1072 unique CDR3
13 unique J



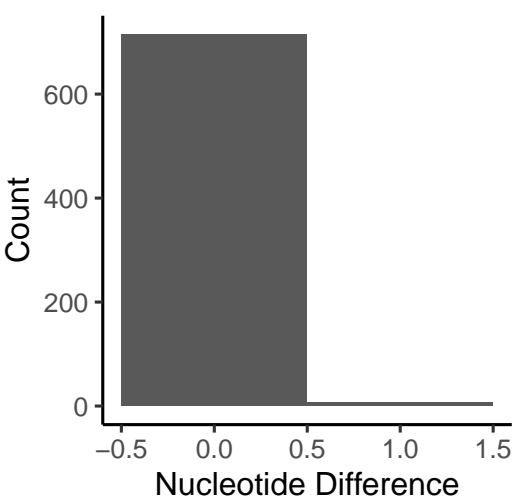
TRBV29-1*ap02

1319 sequences assigned
1301 (98.6%) exact matches, in which:
1282 unique CDR3
13 unique J



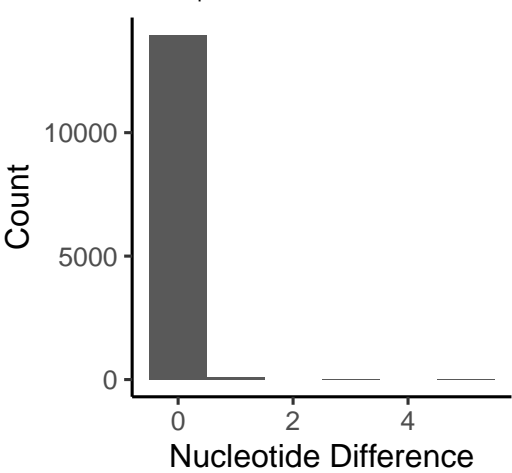
TRBV7-7*ap01_C315T

722 sequences assigned
715 (99%) exact matches, in which:
705 unique CDR3
13 unique J

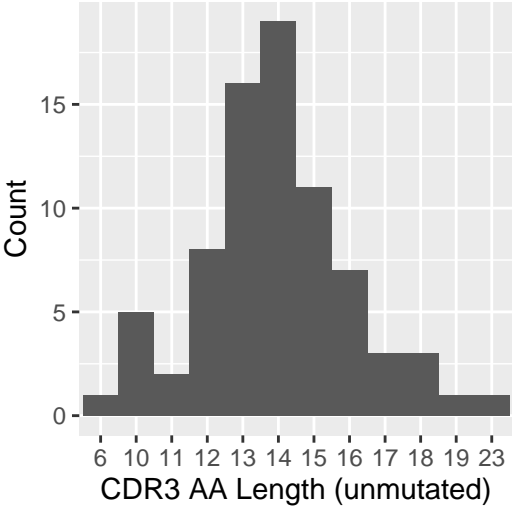


TRBV7-9*ap01

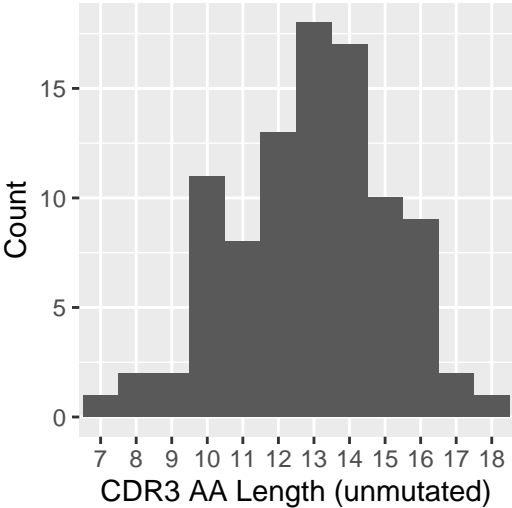
14077 sequences assigned
13964 (99.2%) exact matches, in which:
13778 unique CDR3
13 unique J



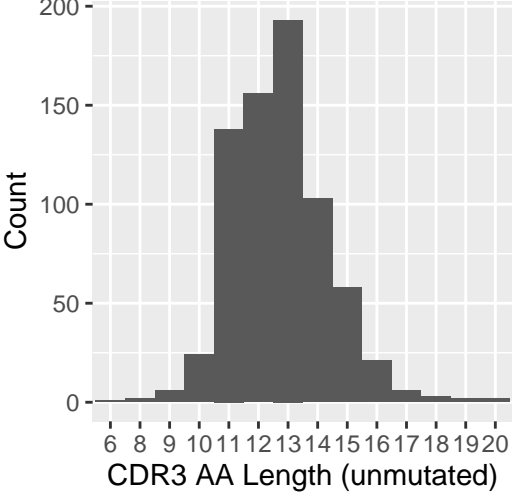
TRBV7-1*ap01_G291C_T296C



TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-7*ap01_C315T





[illegible]