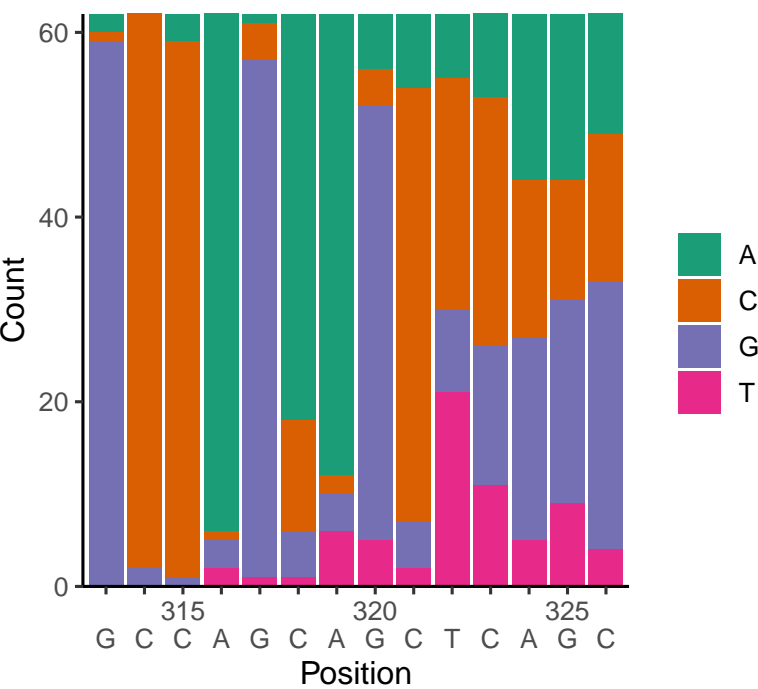
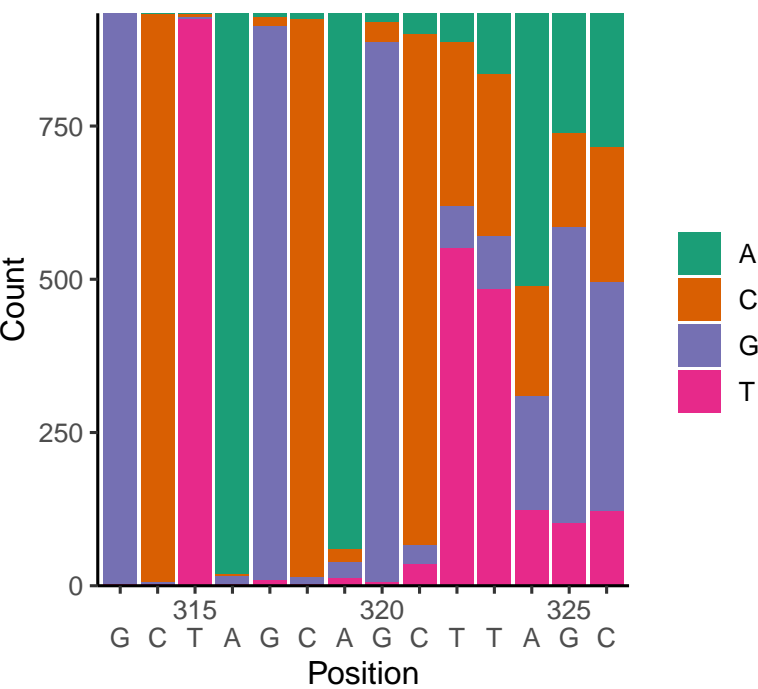


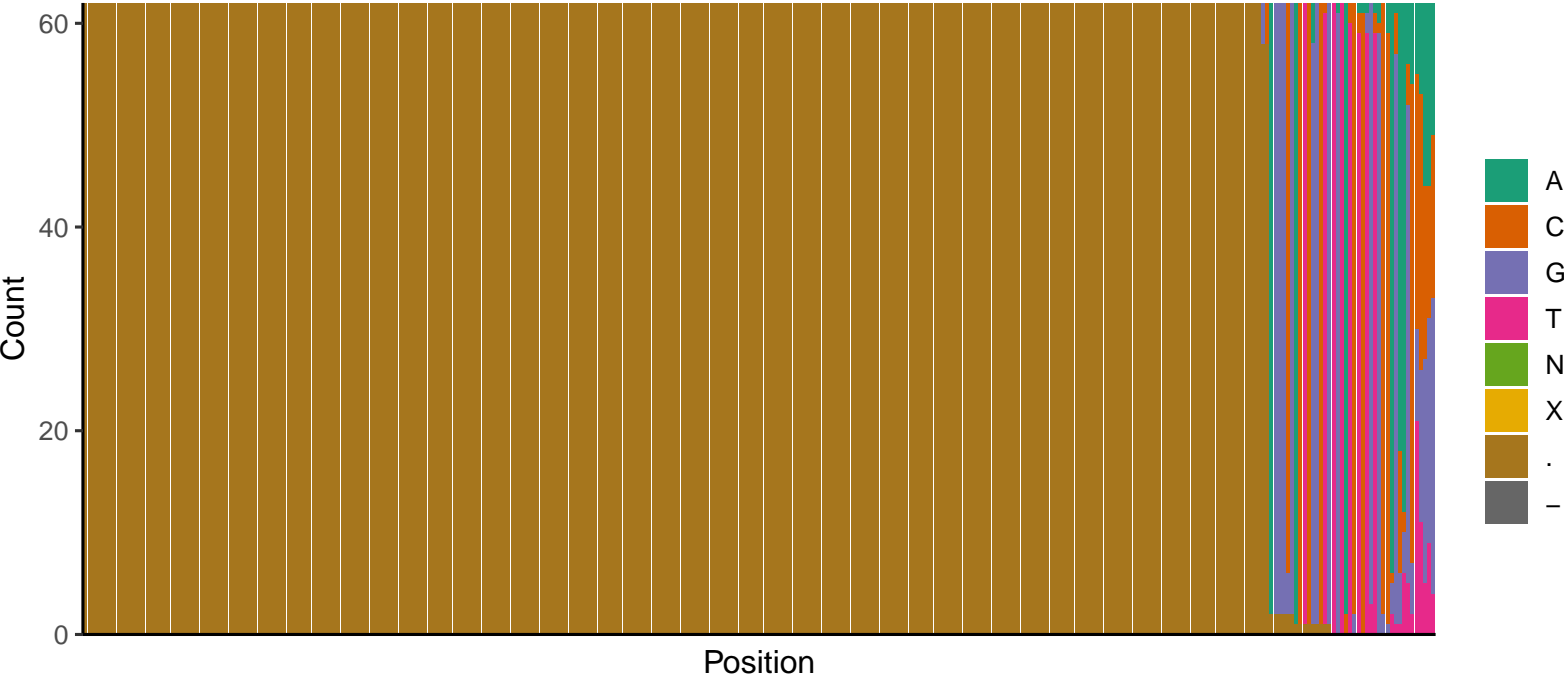
Gene TRBV7-1*ap01_T296C



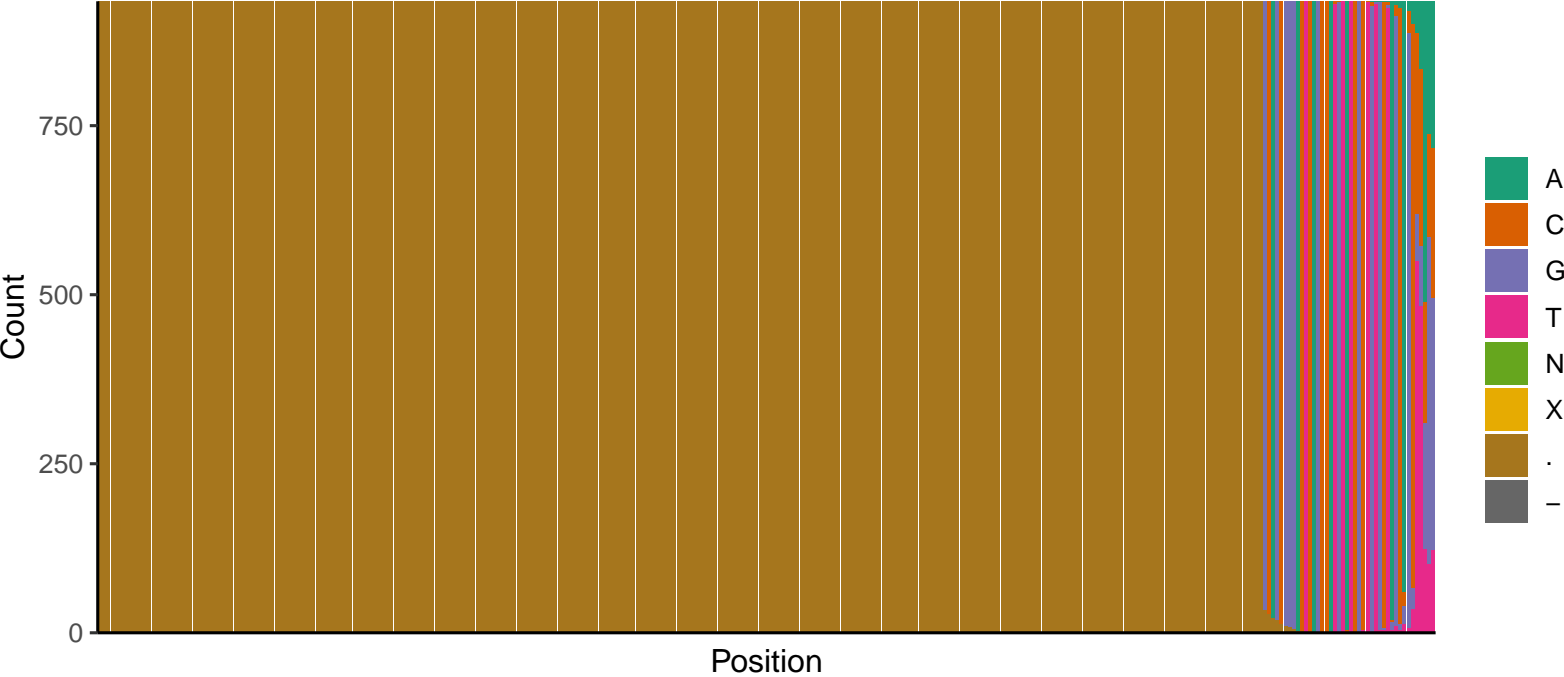
Gene TRBV7-7*ap01_C315T



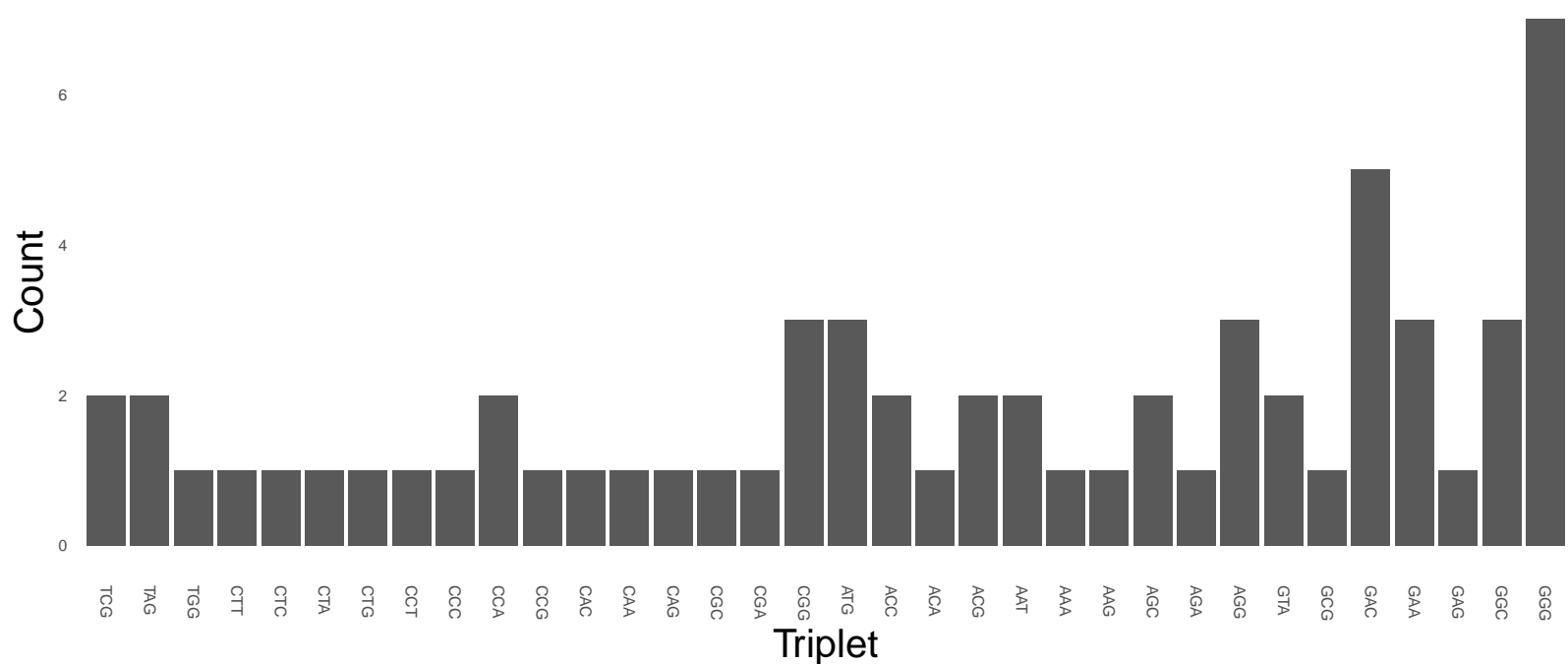
Gene TRBV7-1*ap01_T296C



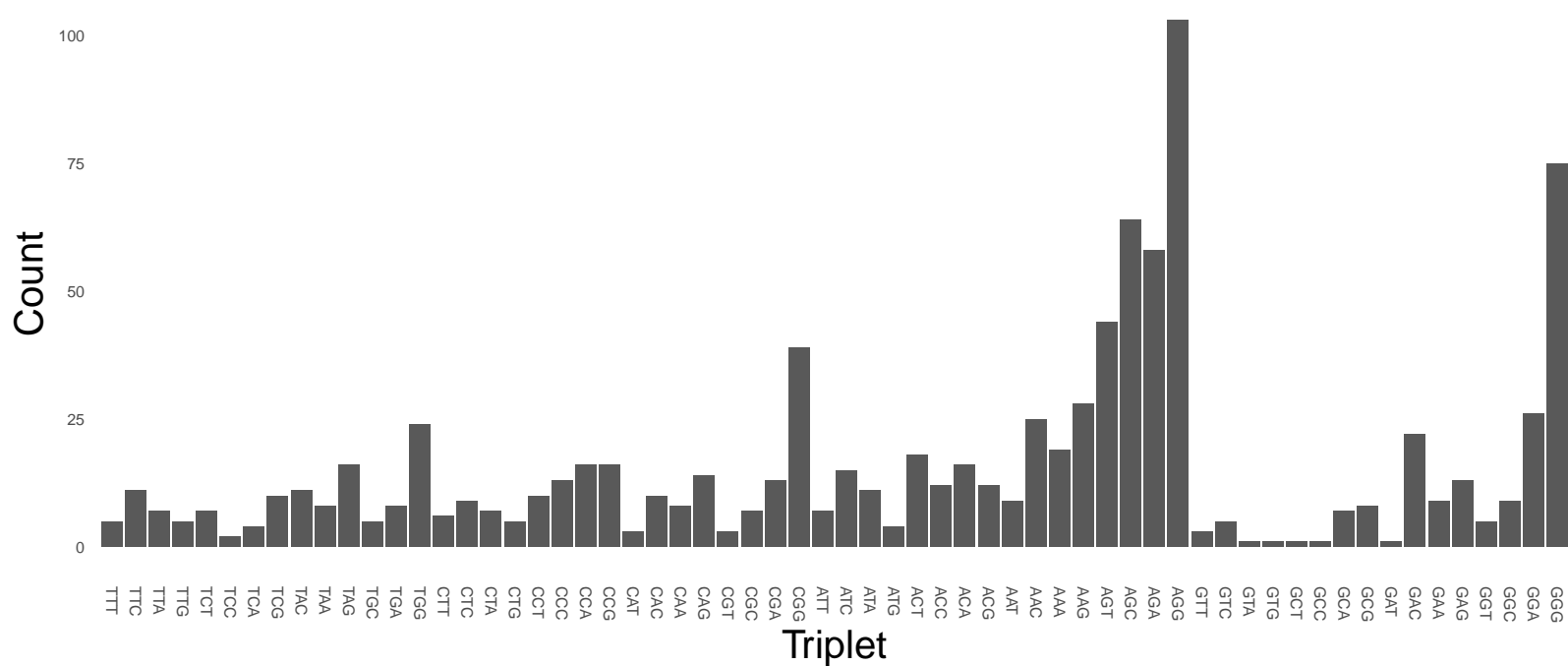
Gene TRBV7-7*ap01_C315T



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

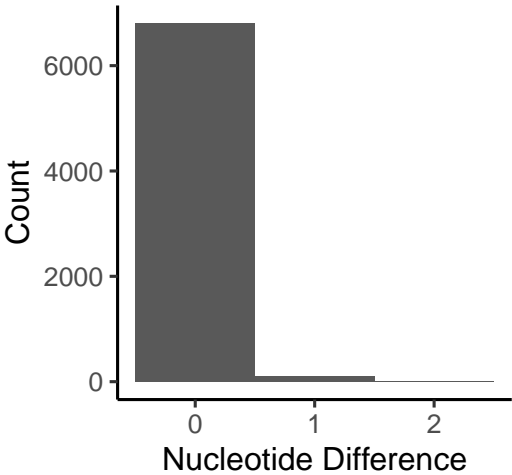


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



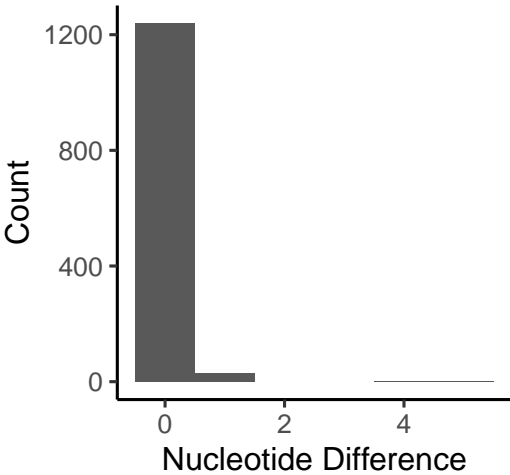
TRBV20-1*ap01

6913 sequences assigned
6802 (98.4%) exact matches, in which:
6774 unique CDR3
13 unique J



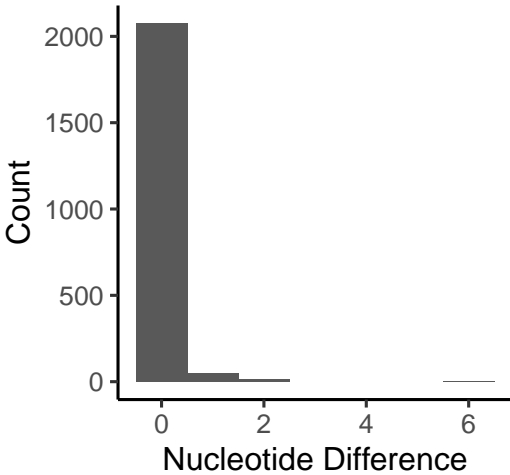
TRBV10-2*ap01

1270 sequences assigned
1239 (97.6%) exact matches, in which:
1235 unique CDR3
13 unique J



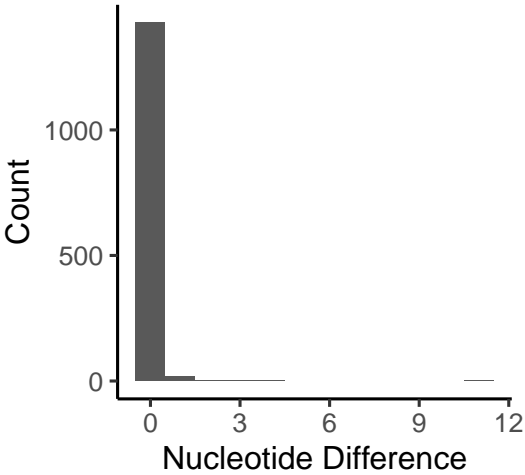
TRBV13*ap01

2138 sequences assigned
2075 (97.1%) exact matches, in which:
2058 unique CDR3
13 unique J



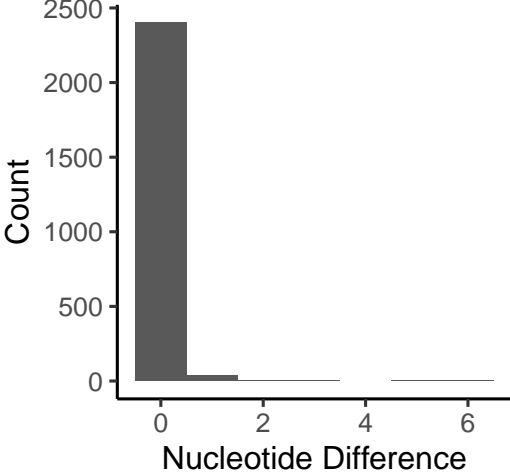
TRBV10-1*ap01

1452 sequences assigned
1427 (98.3%) exact matches, in which:
1422 unique CDR3
13 unique J



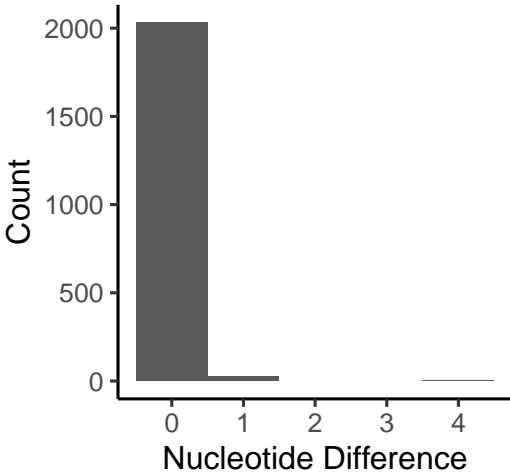
TRBV10-3*ap01

2441 sequences assigned
2401 (98.4%) exact matches, in which:
2393 unique CDR3
13 unique J



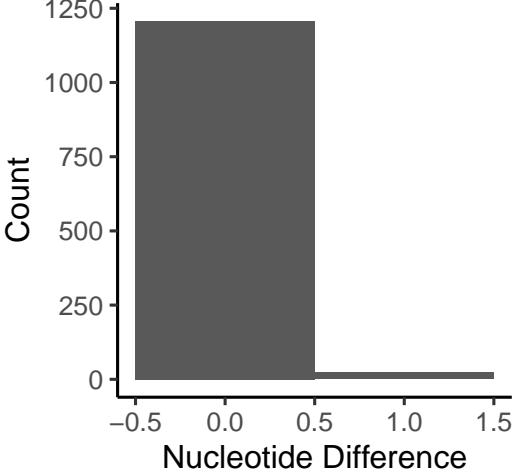
TRBV14*ap01

2060 sequences assigned
2031 (98.6%) exact matches, in which:
2027 unique CDR3
13 unique J



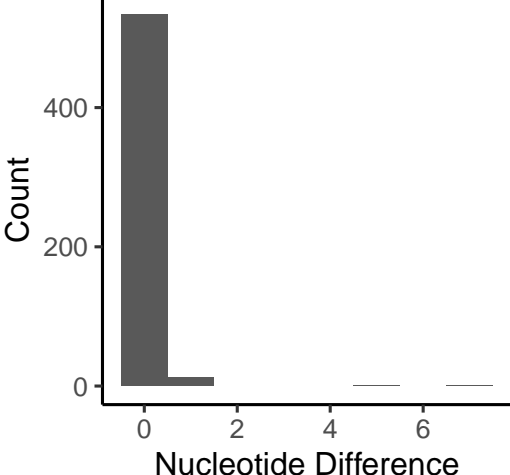
TRBV20-1*ap02

1230 sequences assigned
1207 (98.1%) exact matches, in which:
1199 unique CDR3
13 unique J



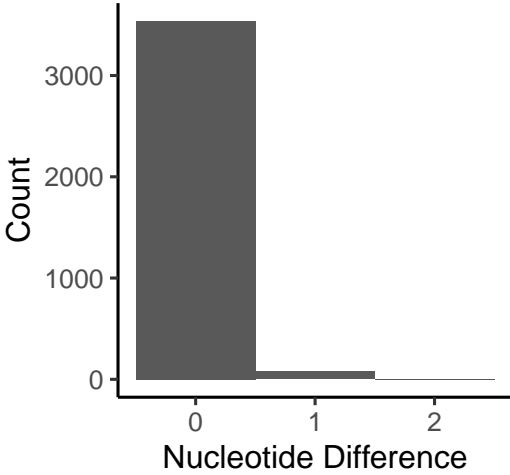
TRBV1*ap01

548 sequences assigned
534 (97.4%) exact matches, in which:
531 unique CDR3
13 unique J



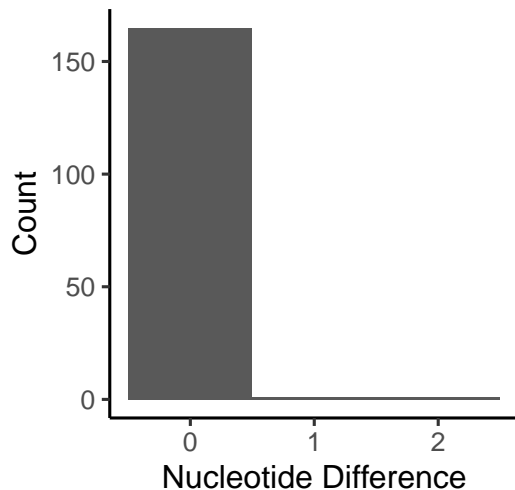
TRBV15*ap02

3617 sequences assigned
3538 (97.8%) exact matches, in which:
3502 unique CDR3
13 unique J



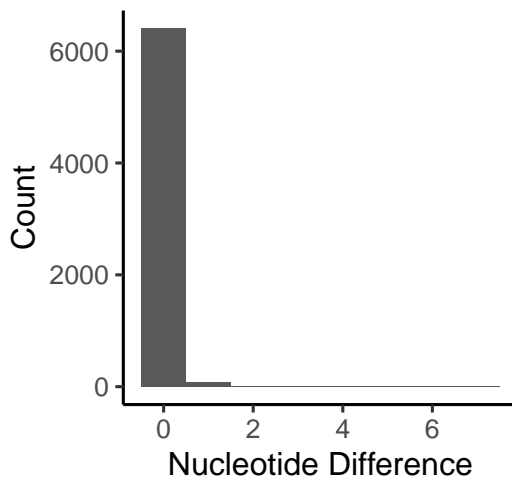
TRBV16*ap01

167 sequences assigned
165 (98.8%) exact matches, in which:
165 unique CDR3
13 unique J



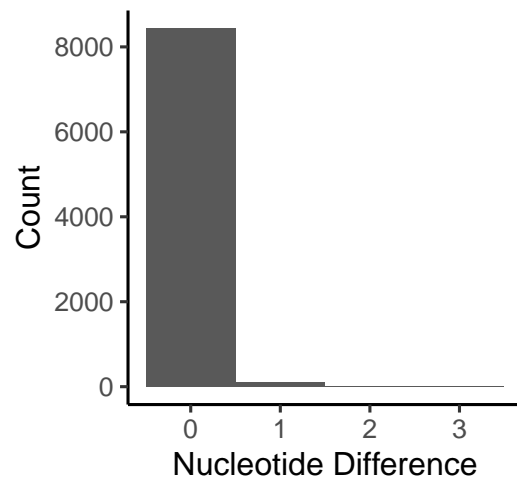
TRBV19*ap01

6504 sequences assigned
6407 (98.5%) exact matches, in which:
6392 unique CDR3
13 unique J



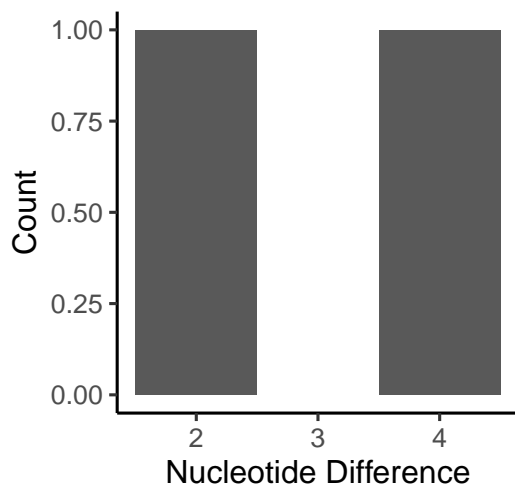
TRBV28*ap01

8534 sequences assigned
8435 (98.8%) exact matches, in which:
8404 unique CDR3
13 unique J



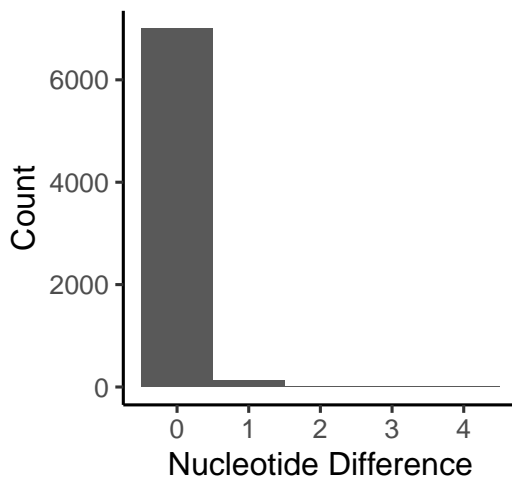
TRBV17*ap01

2 sequences assigned
No exact matches.



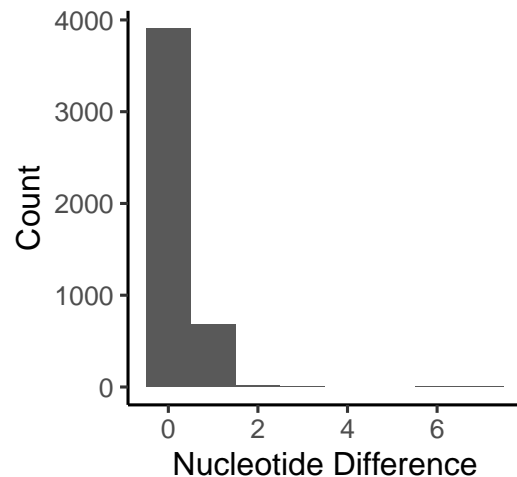
TRBV2*ap01

7141 sequences assigned
6998 (98%) exact matches, in which:
6960 unique CDR3
13 unique J



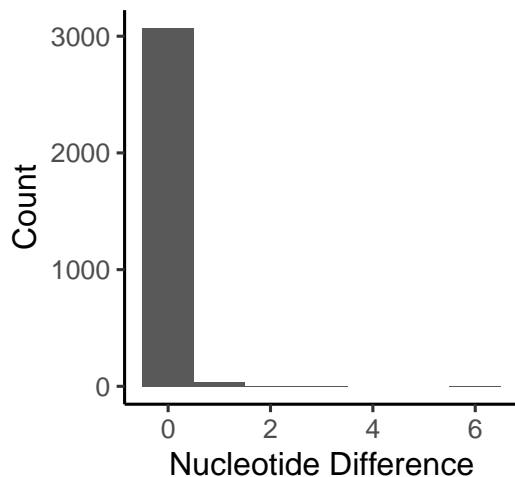
TRBV30*ap01

4614 sequences assigned
3904 (84.6%) exact matches, in which:
3804 unique CDR3
13 unique J



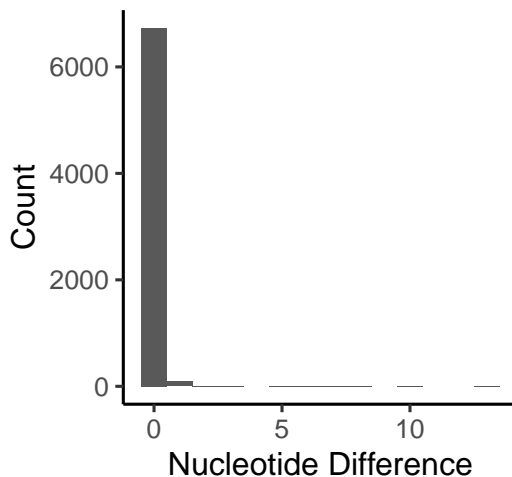
TRBV18*ap01

3117 sequences assigned
3070 (98.5%) exact matches, in which:
3067 unique CDR3
13 unique J



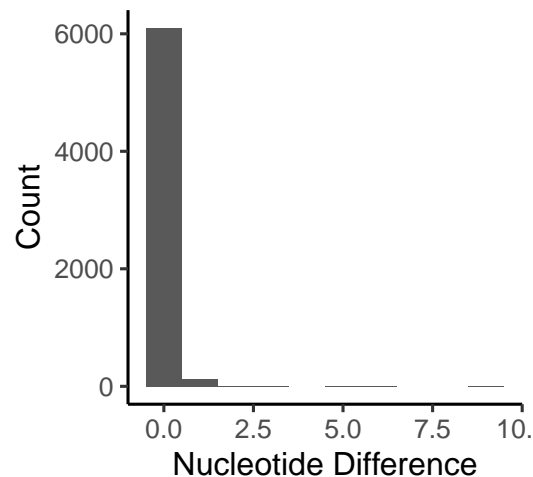
TRBV27*ap01

6834 sequences assigned
6730 (98.5%) exact matches, in which:
6697 unique CDR3
13 unique J



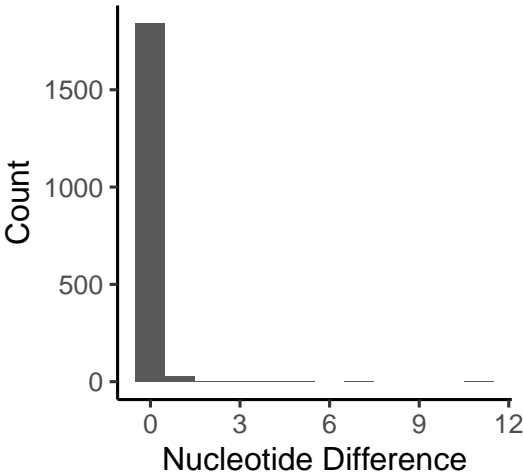
TRBV9*ap01

6229 sequences assigned
6098 (97.9%) exact matches, in which:
6063 unique CDR3
13 unique J



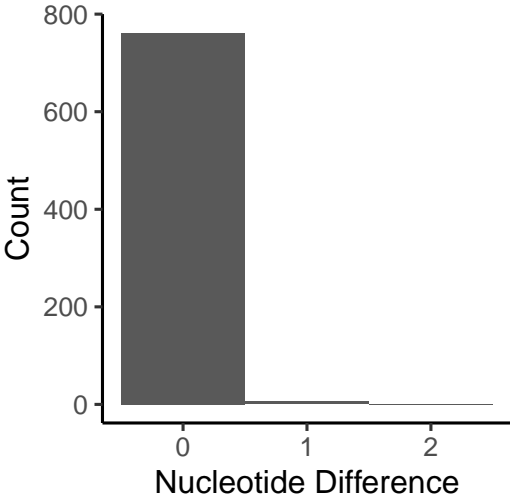
TRBV21-1*ap01

1880 sequences assigned
1841 (97.9%) exact matches, in which:
1834 unique CDR3
13 unique J



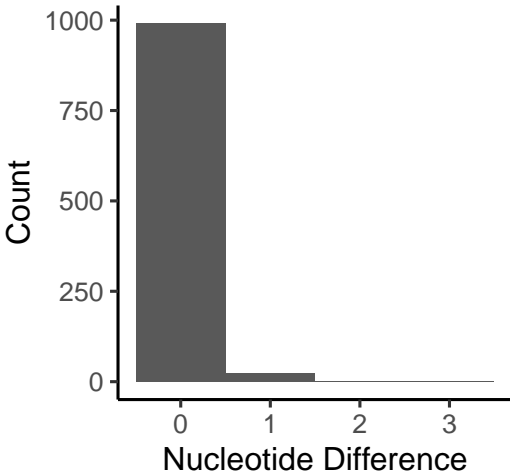
TRBV11-3*ap01

769 sequences assigned
762 (99.1%) exact matches, in which:
761 unique CDR3
13 unique J



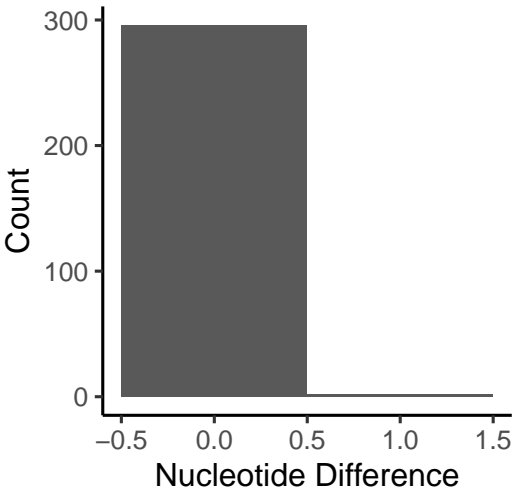
TRBV12-5*ap01

1017 sequences assigned
991 (97.4%) exact matches, in which:
983 unique CDR3
13 unique J



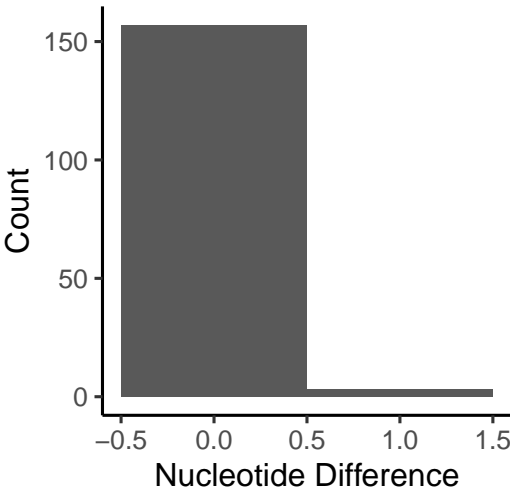
TRBV11-1*ap01

298 sequences assigned
296 (99.3%) exact matches, in which:
296 unique CDR3
13 unique J



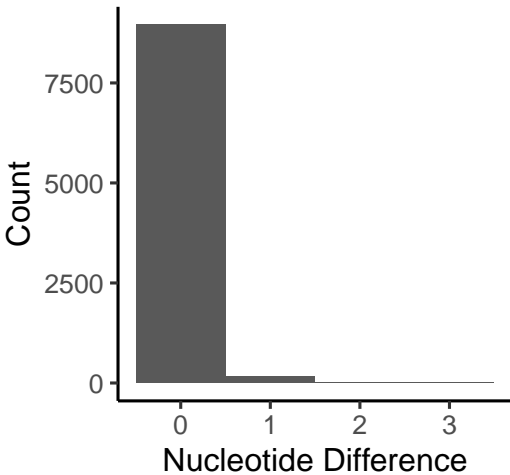
TRBV12-1*ap01

160 sequences assigned
157 (98.1%) exact matches, in which:
157 unique CDR3
12 unique J



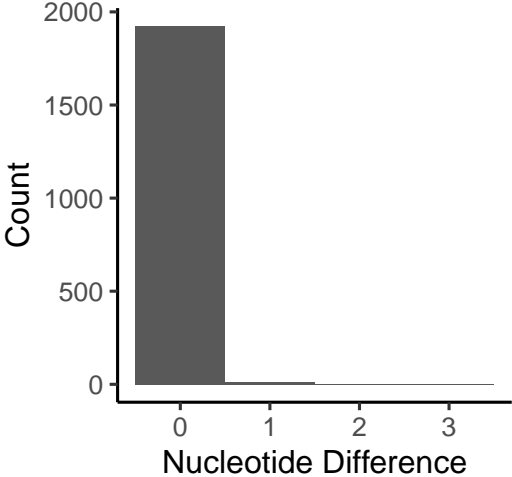
TRBV12-34*ap01

9127 sequences assigned
8955 (98.1%) exact matches, in which:
8895 unique CDR3
13 unique J



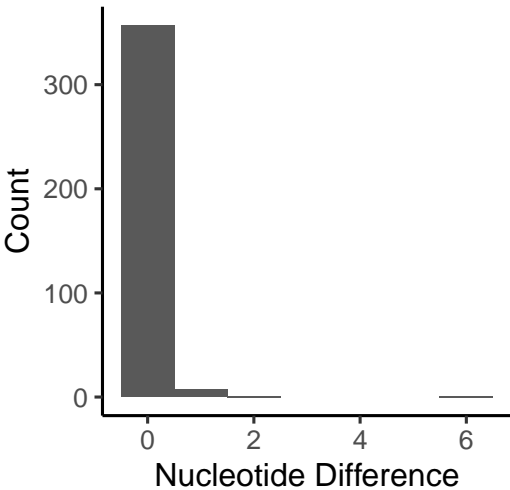
TRBV11-2*ap01

1940 sequences assigned
1924 (99.2%) exact matches, in which:
1920 unique CDR3
13 unique J



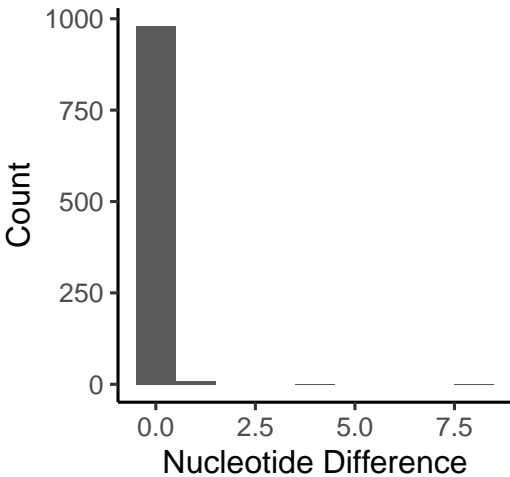
TRBV12-2*ap01

366 sequences assigned
357 (97.5%) exact matches, in which:
356 unique CDR3
13 unique J



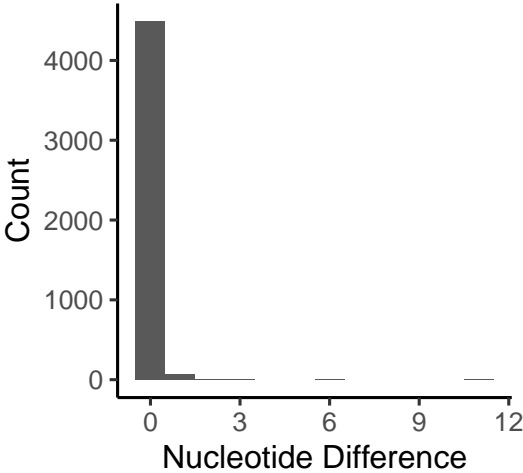
TRBV23-1*ap01

991 sequences assigned
980 (98.9%) exact matches, in which:
978 unique CDR3
13 unique J



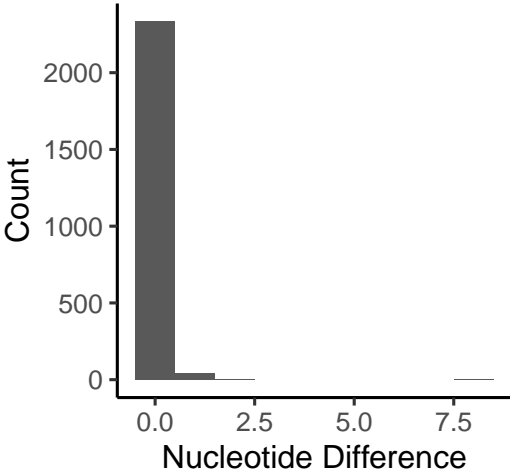
TRBV3-12*ap01

4562 sequences assigned
4489 (98.4%) exact matches, in which:
4477 unique CDR3
13 unique J



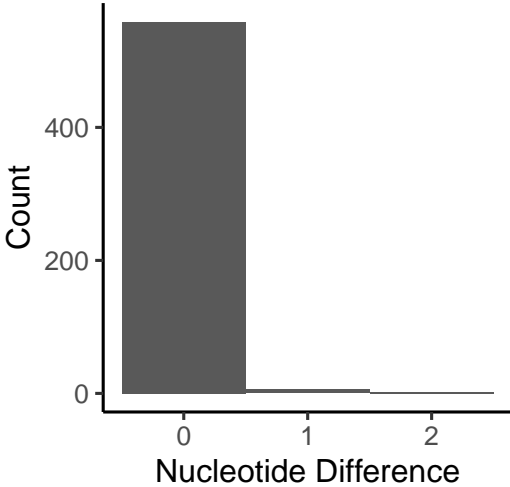
TRBV4-2*ap01

2377 sequences assigned
2334 (98.2%) exact matches, in which:
2315 unique CDR3
13 unique J



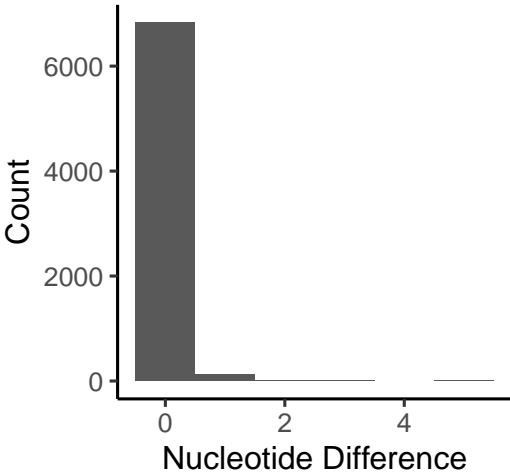
TRBV5-3*ap01

567 sequences assigned
559 (98.6%) exact matches, in which:
555 unique CDR3
13 unique J



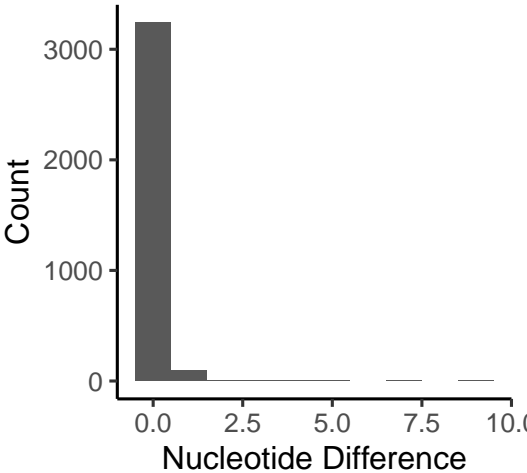
TRBV4-1*ap01

6951 sequences assigned
6827 (98.2%) exact matches, in which:
6755 unique CDR3
13 unique J



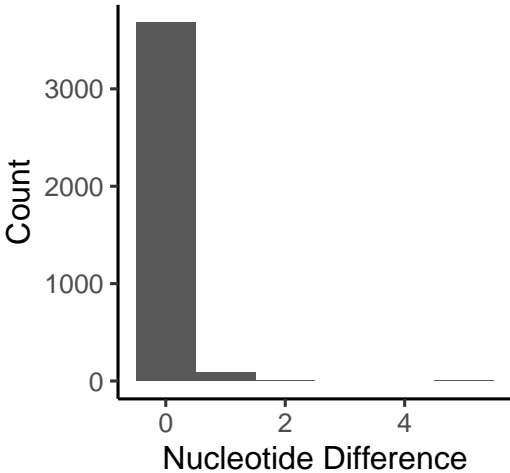
TRBV25-1*ap01

3346 sequences assigned
3240 (96.8%) exact matches, in which:
3188 unique CDR3
13 unique J



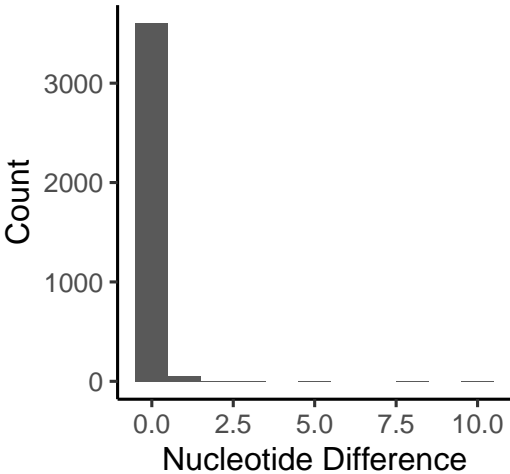
TRBV5-4*ap01

3772 sequences assigned
3679 (97.5%) exact matches, in which:
3651 unique CDR3
13 unique J



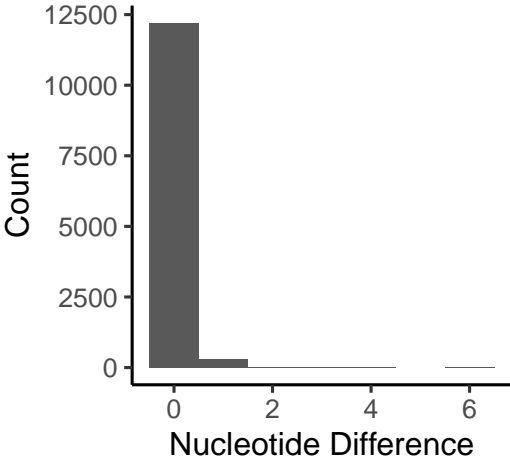
TRBV24-1*ap01

3666 sequences assigned
3605 (98.3%) exact matches, in which:
3574 unique CDR3
13 unique J



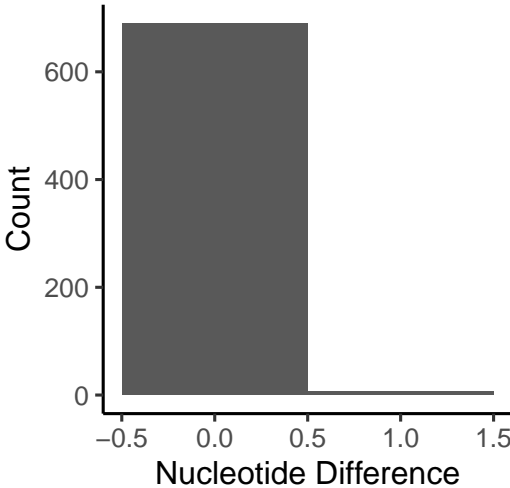
TRBV5-1*ap01

12529 sequences assigned
12210 (97.5%) exact matches, in which:
12135 unique CDR3
13 unique J



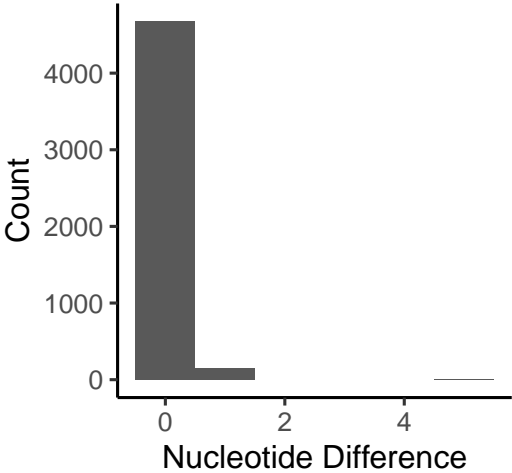
TRBV5-5*ap01

697 sequences assigned
690 (99%) exact matches, in which:
688 unique CDR3
13 unique J



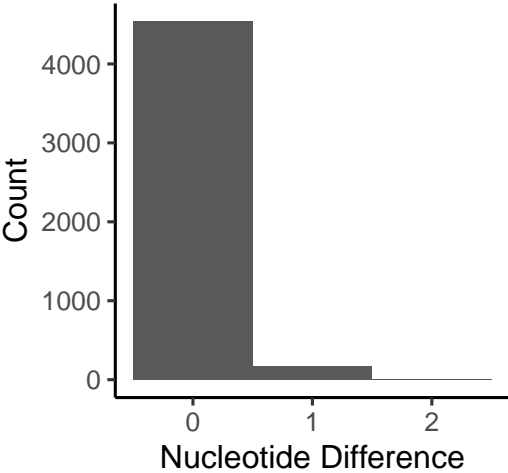
TRBV5-6*ap01

4827 sequences assigned
4675 (96.9%) exact matches, in which:
4605 unique CDR3
13 unique J



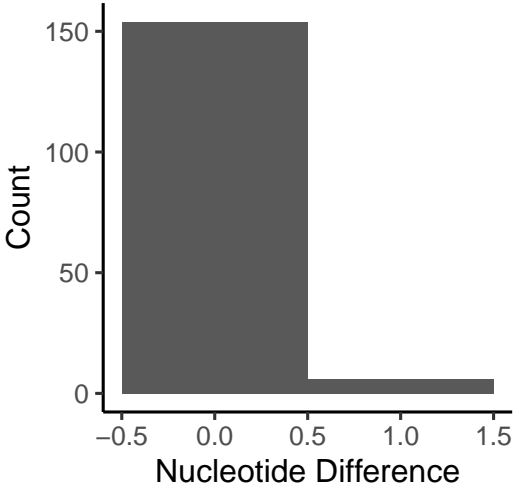
TRBV6-1*ap01

4707 sequences assigned
4539 (96.4%) exact matches, in which:
4490 unique CDR3
13 unique J



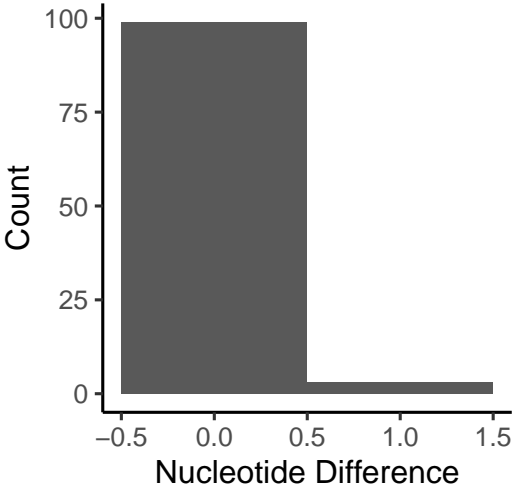
TRBV6-8*ap01

160 sequences assigned
154 (96.2%) exact matches, in which:
153 unique CDR3
13 unique J



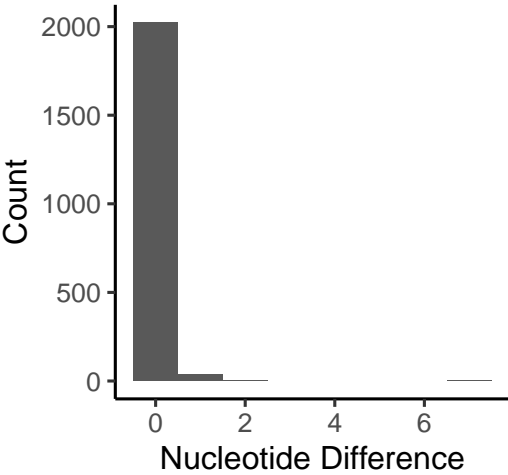
TRBV5-7*ap01

102 sequences assigned
99 (97.1%) exact matches, in which:
98 unique CDR3
13 unique J



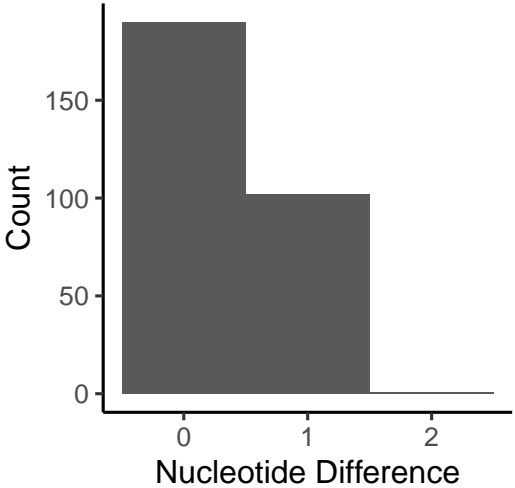
TRBV6-4*ap01

2066 sequences assigned
2022 (97.9%) exact matches, in which:
2005 unique CDR3
13 unique J



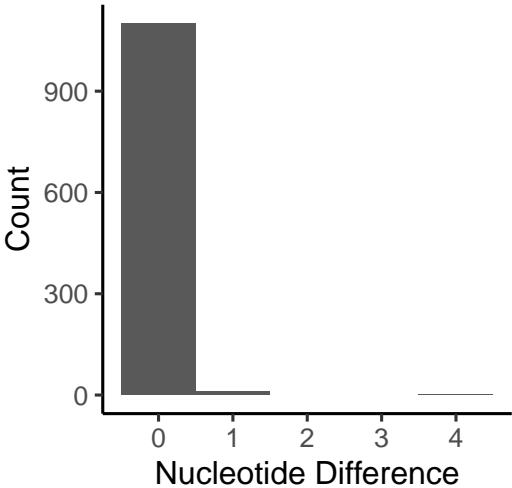
TRBV6-9*ap01

293 sequences assigned
190 (64.8%) exact matches, in which:
190 unique CDR3
13 unique J



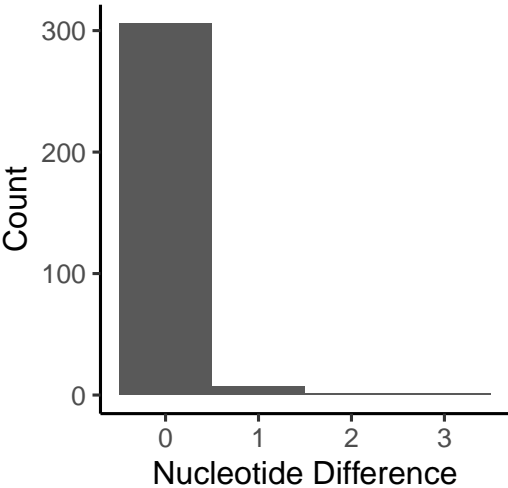
TRBV5-8*ap01

1113 sequences assigned
1101 (98.9%) exact matches, in which:
1090 unique CDR3
13 unique J



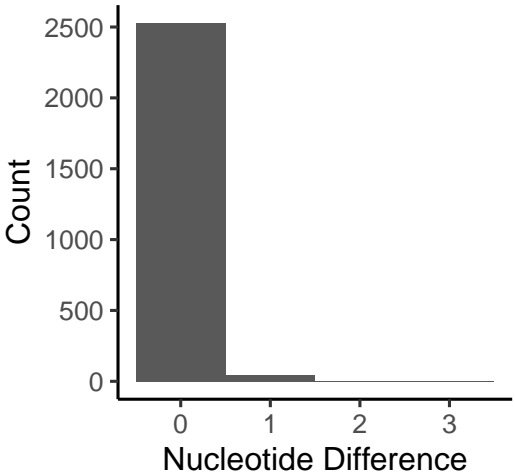
TRBV6-7*ap01

315 sequences assigned
306 (97.1%) exact matches, in which:
304 unique CDR3
13 unique J



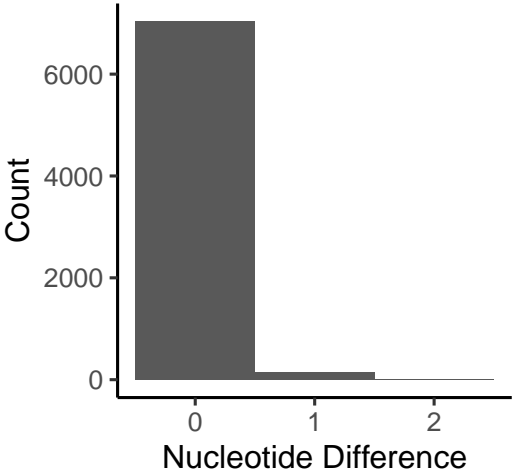
TRBV6-23*ap01

2577 sequences assigned
2528 (98.1%) exact matches, in which:
2504 unique CDR3
13 unique J



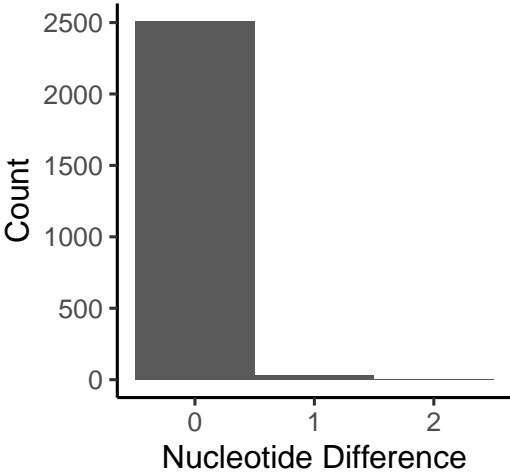
TRBV6-56*ap01

7175 sequences assigned
7035 (98%) exact matches, in which:
6947 unique CDR3
13 unique J



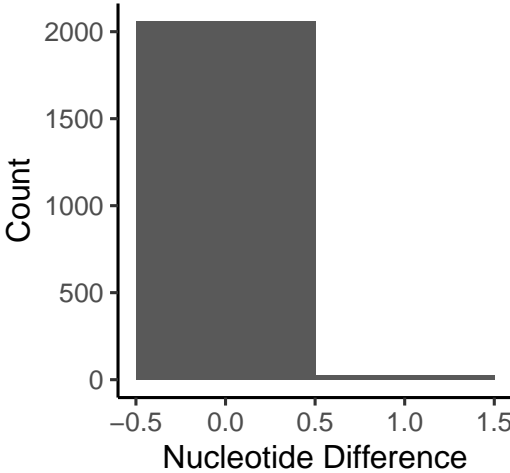
TRBV7-2*ap01

2543 sequences assigned
2508 (98.6%) exact matches, in which:
2501 unique CDR3
13 unique J



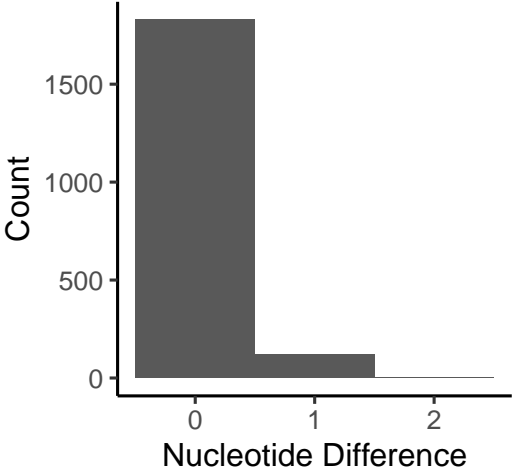
TRBV7-6*ap01

2085 sequences assigned
2059 (98.8%) exact matches, in which:
2046 unique CDR3
13 unique J



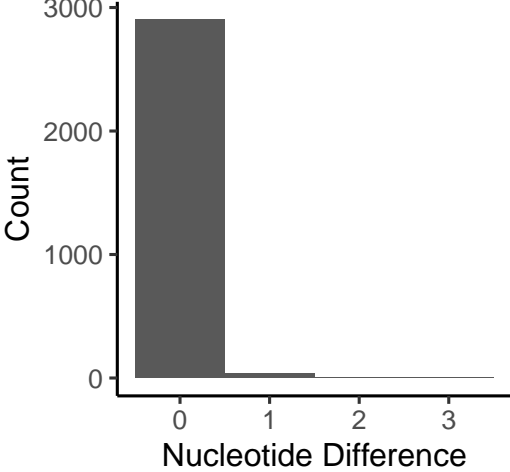
TRBV6-56*ap02

1951 sequences assigned
1829 (93.7%) exact matches, in which:
1806 unique CDR3
13 unique J



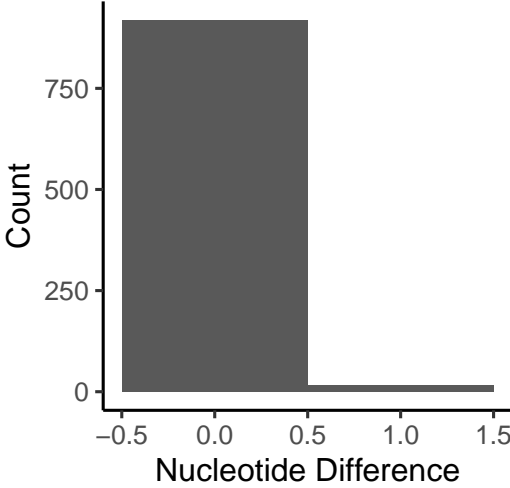
TRBV7-3*ap01

2944 sequences assigned
2901 (98.5%) exact matches, in which:
2890 unique CDR3
13 unique J



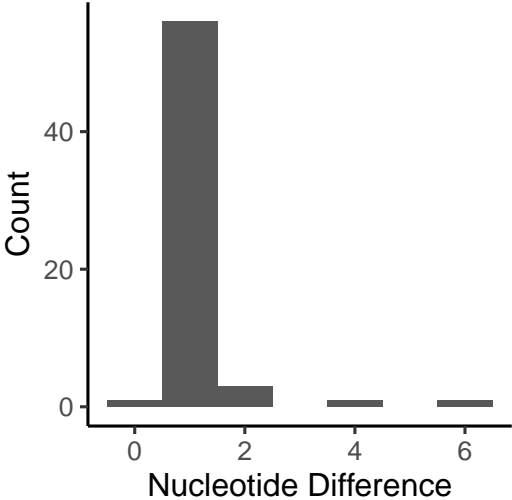
TRBV7-7*ap01_C315T

934 sequences assigned
919 (98.4%) exact matches, in which:
911 unique CDR3
13 unique J



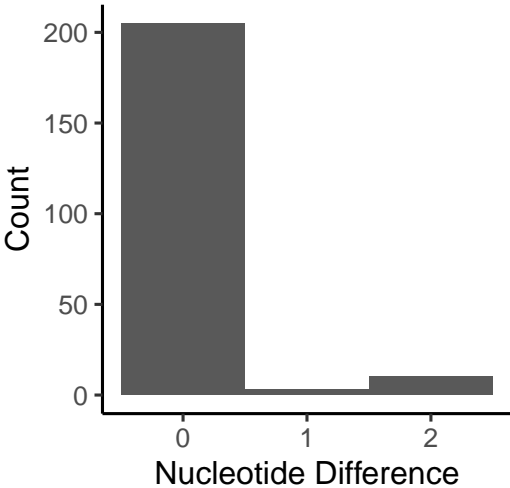
TRBV7-1*ap01_T296C

62 sequences assigned
1 (1.6%) exact matches, in which:
1 unique CDR3
1 unique J



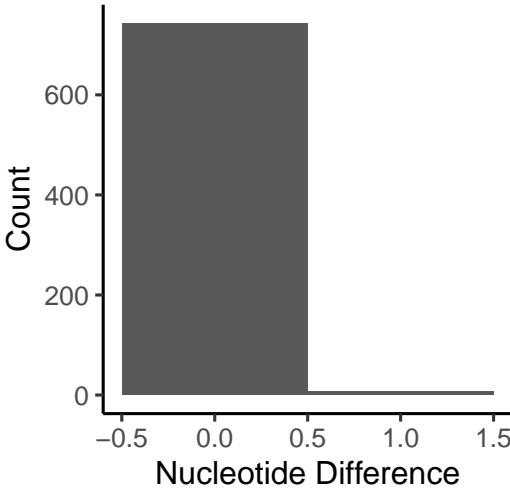
TRBV7-4*ap01

218 sequences assigned
205 (94%) exact matches, in which:
204 unique CDR3
13 unique J



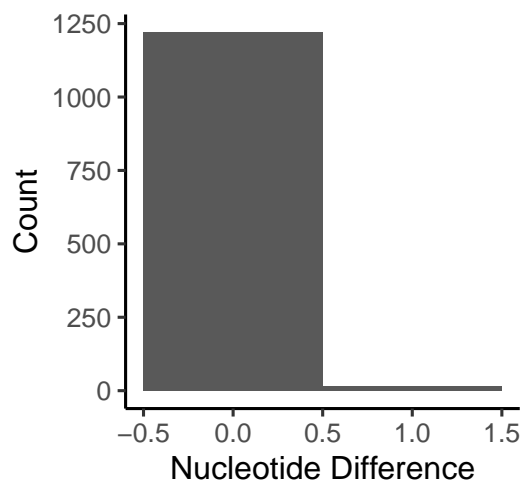
TRBV7-8*ap01

751 sequences assigned
743 (98.9%) exact matches, in which:
738 unique CDR3
13 unique J



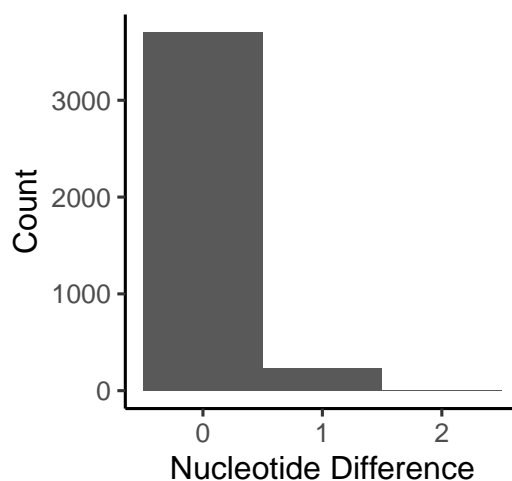
TRBV7-8*ap02

1235 sequences assigned
1220 (98.8%) exact matches, in which:
1218 unique CDR3
13 unique J



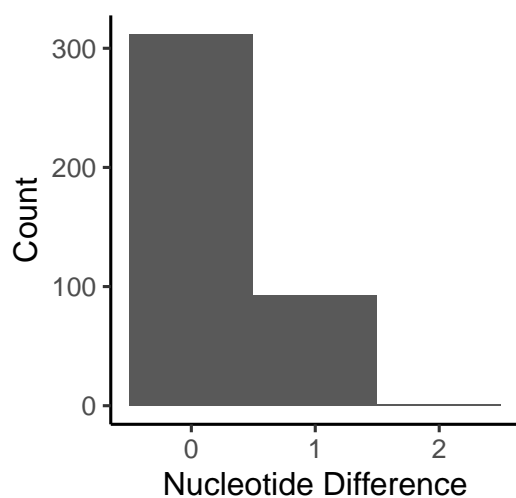
TRBV29-1*ap01

3940 sequences assigned
3701 (93.9%) exact matches, in which:
3648 unique CDR3
13 unique J



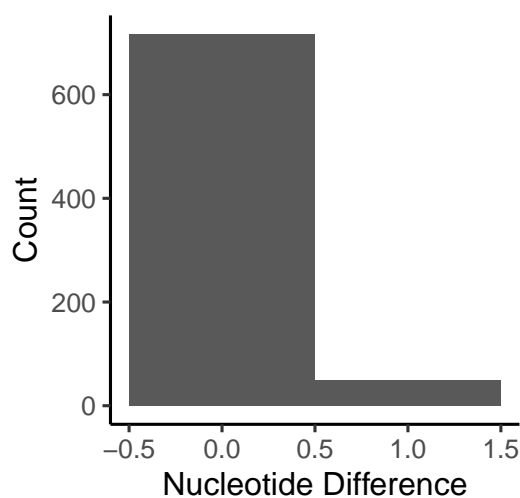
TRBV7-8*ap03

406 sequences assigned
312 (76.8%) exact matches, in which:
312 unique CDR3
12 unique J



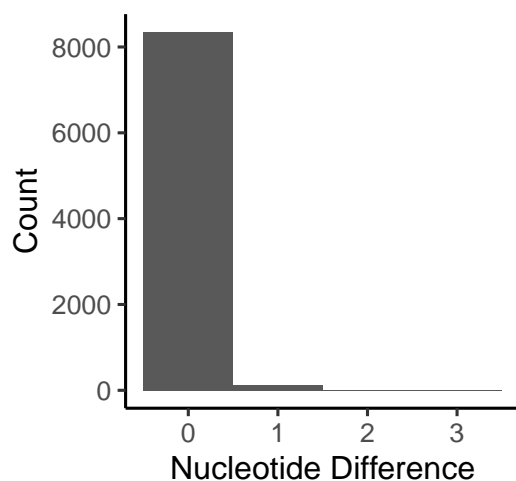
TRBV29-1*ap02

766 sequences assigned
717 (93.6%) exact matches, in which:
711 unique CDR3
13 unique J

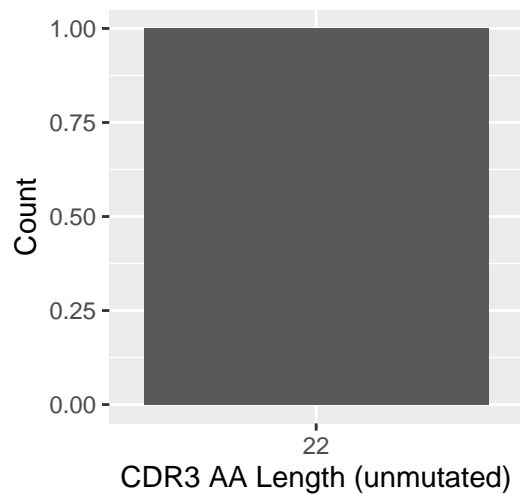


TRBV7-9*ap01

8471 sequences assigned
8348 (98.5%) exact matches, in which:
8300 unique CDR3
13 unique J



TRBV7-1*ap01_T296C



TRBV7-7*ap01_C315T

