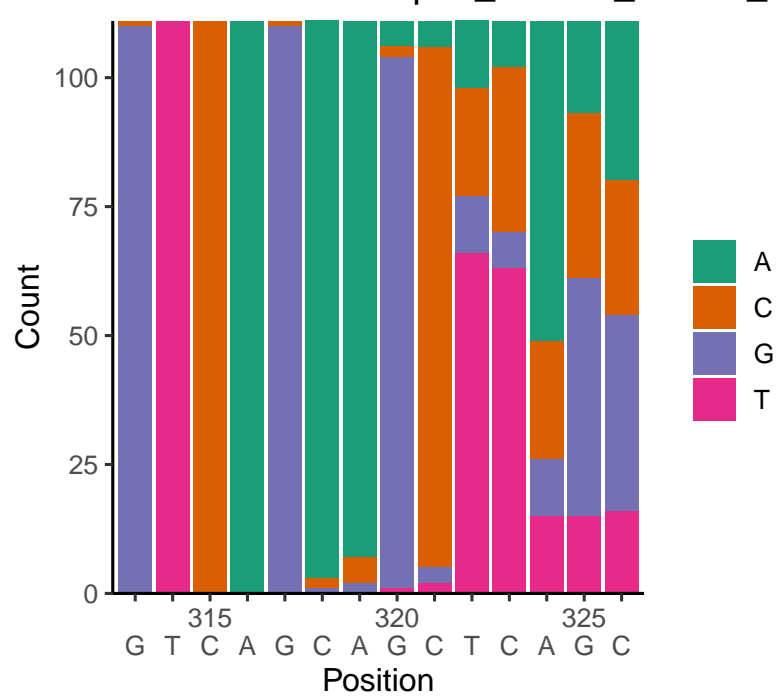
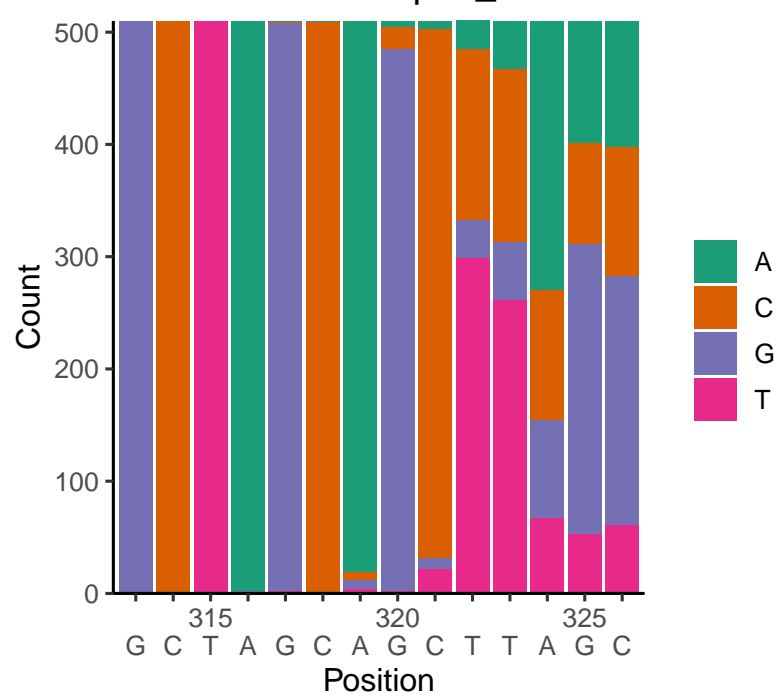


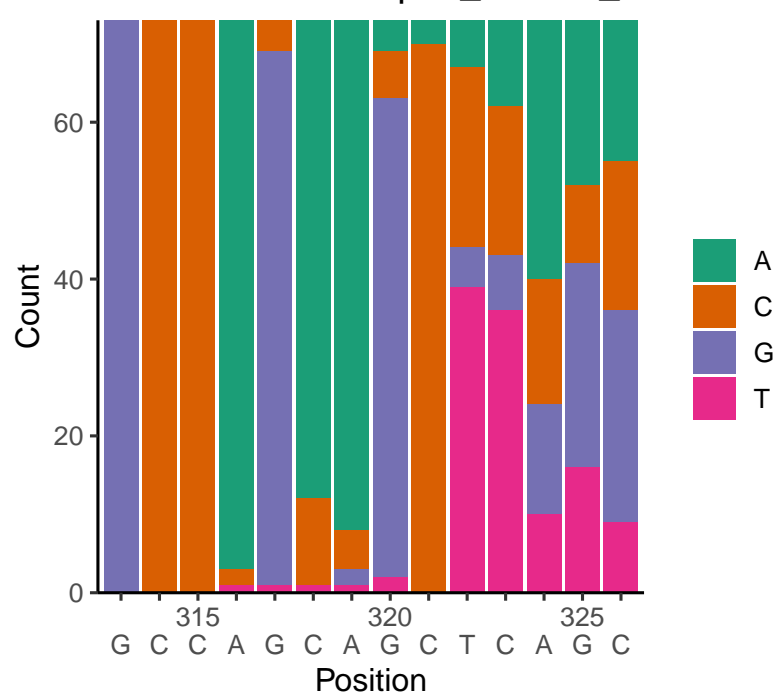
Gene TRBV7-1*ap01_G291C_T296C_C3



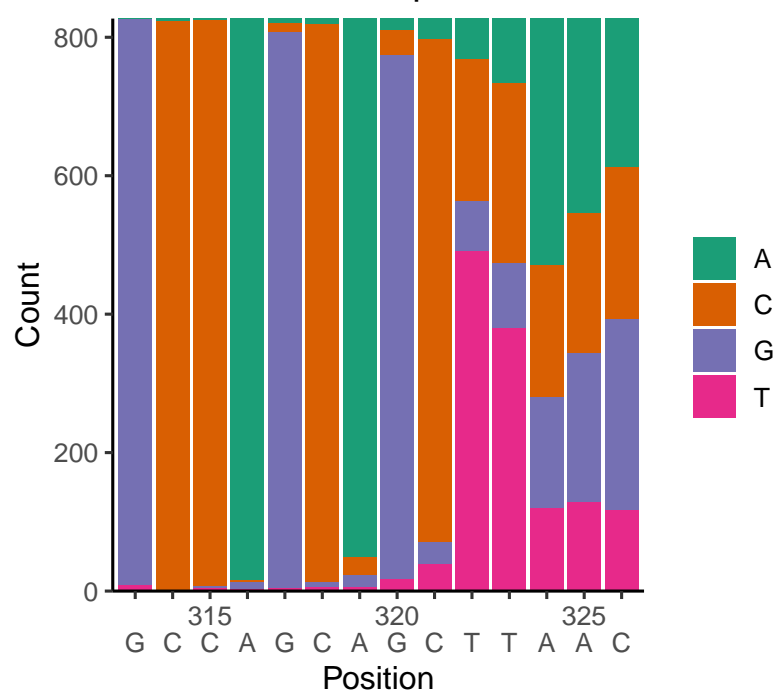
Gene TRBV7-7*ap01_C315T



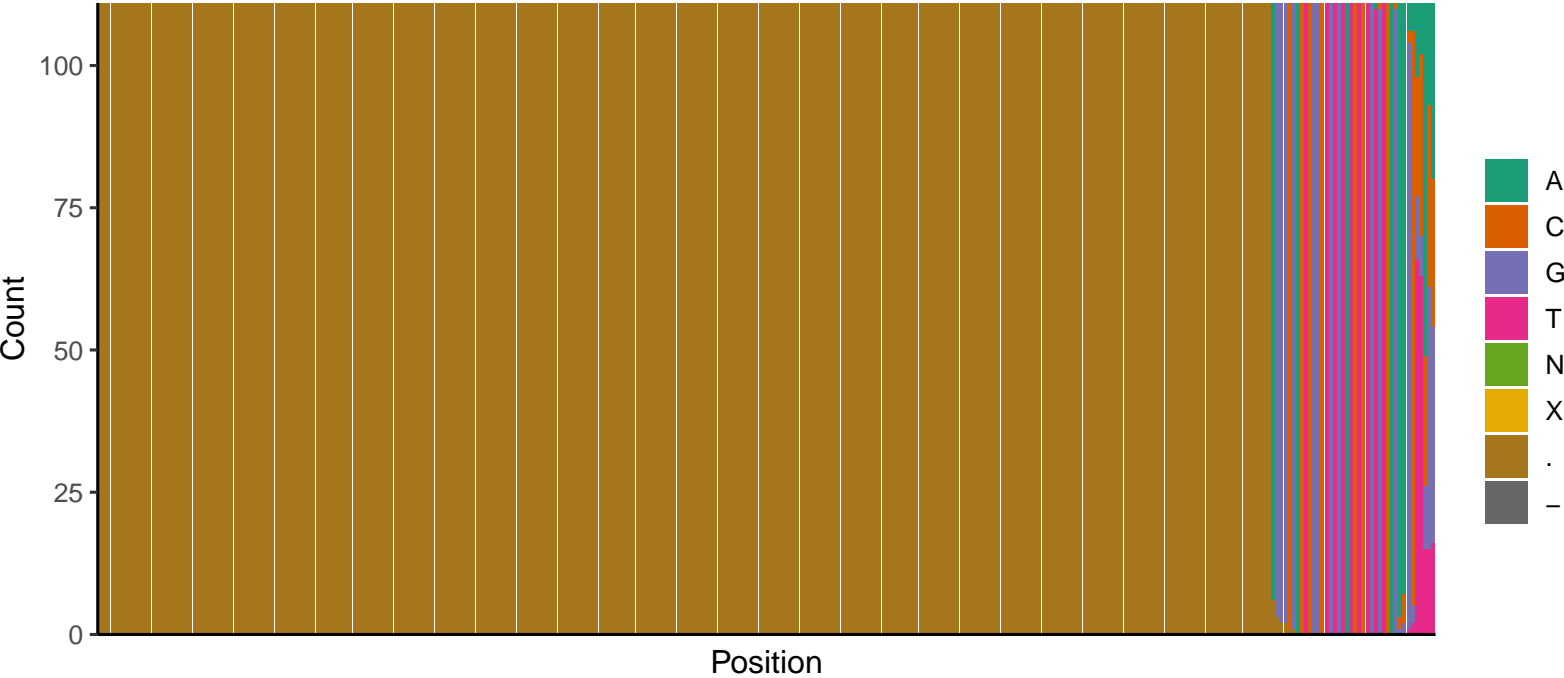
Gene TRBV7-1*ap01_G291C_T296C



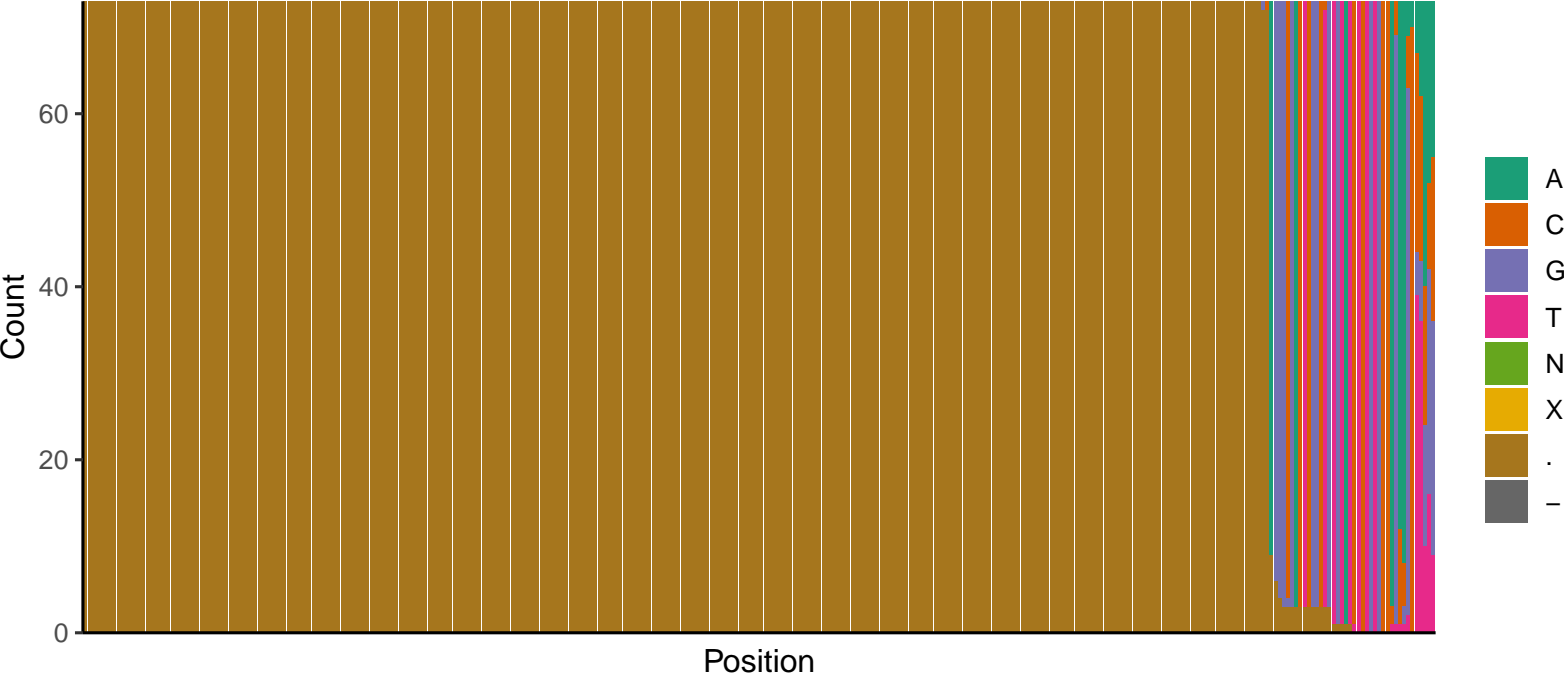
Gene TRBV7-3*ap01_G292T



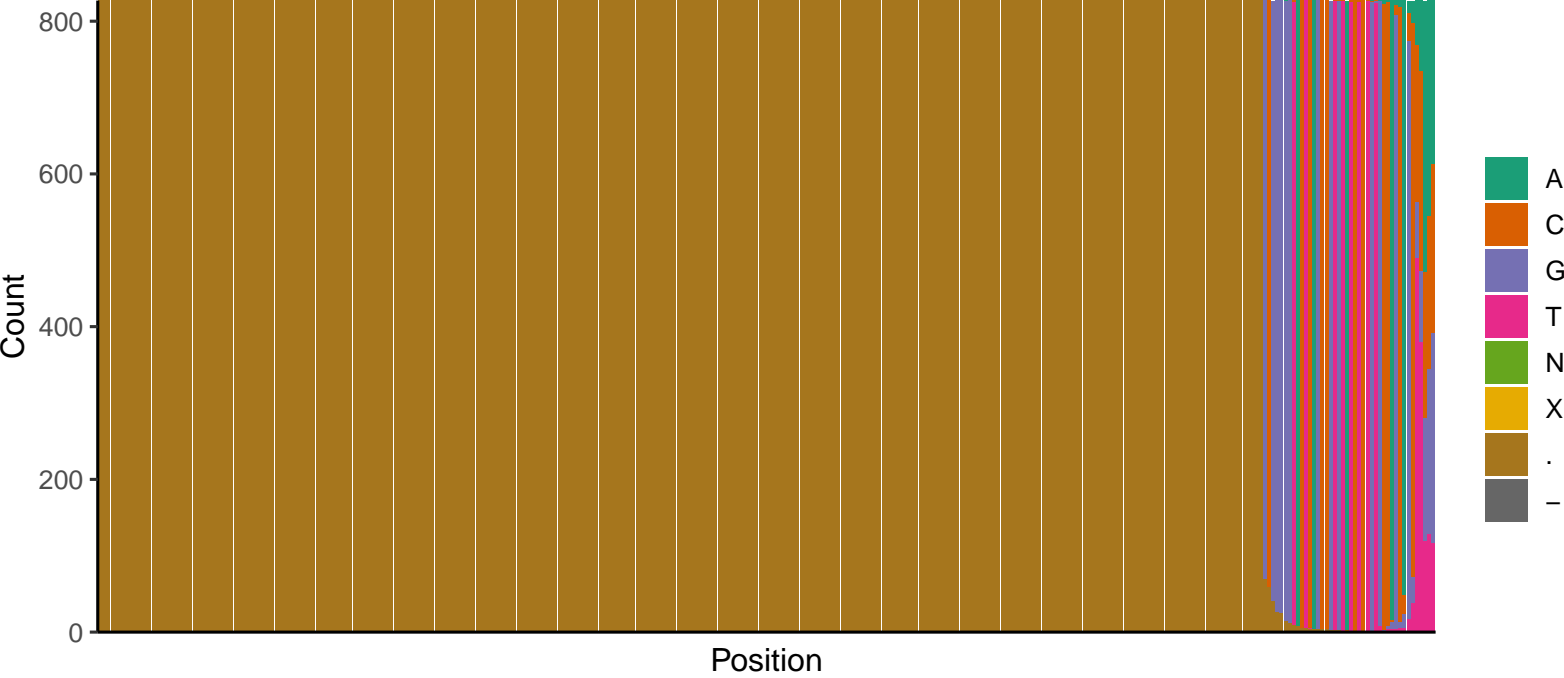
Gene TRBV7-1*ap01_G291C_T296C_C314T



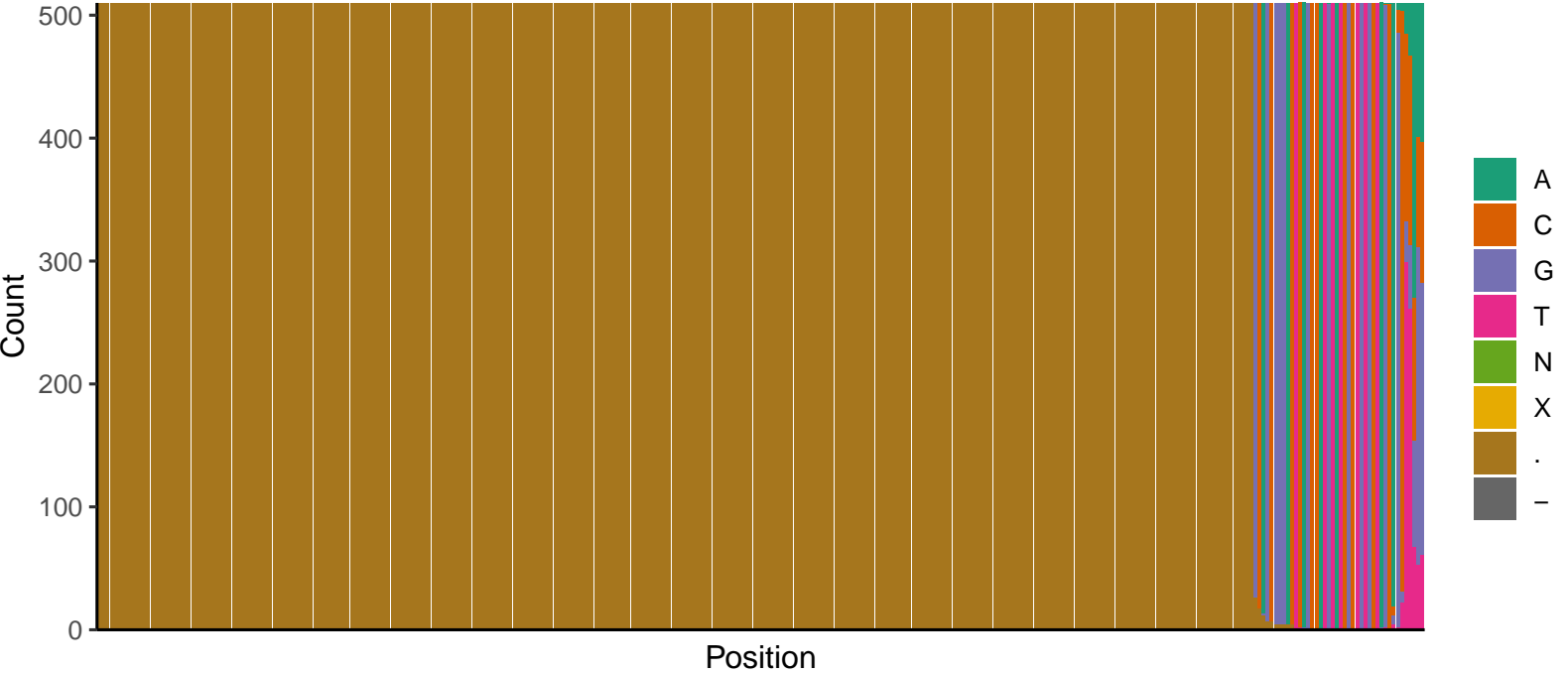
Gene TRBV7-1*ap01_G291C_T296C



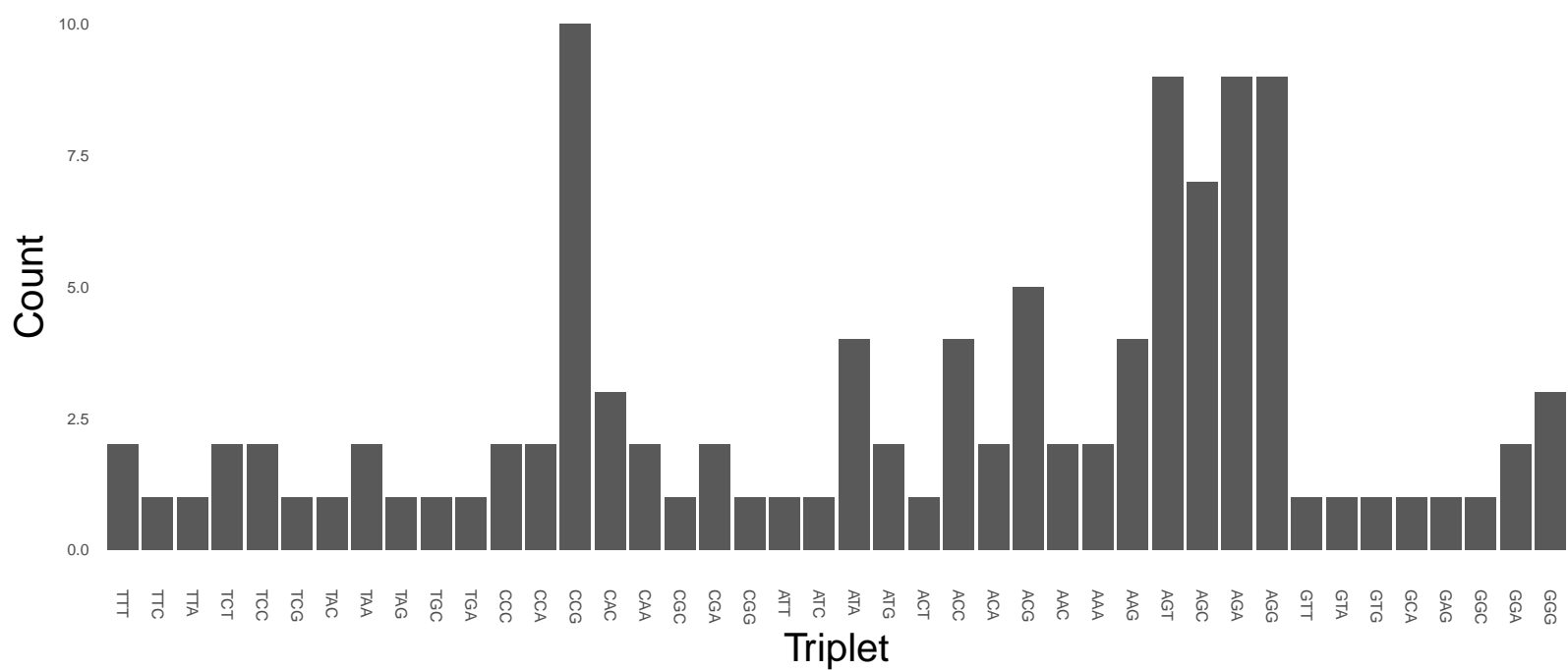
Gene TRBV7-3*ap01_G292T



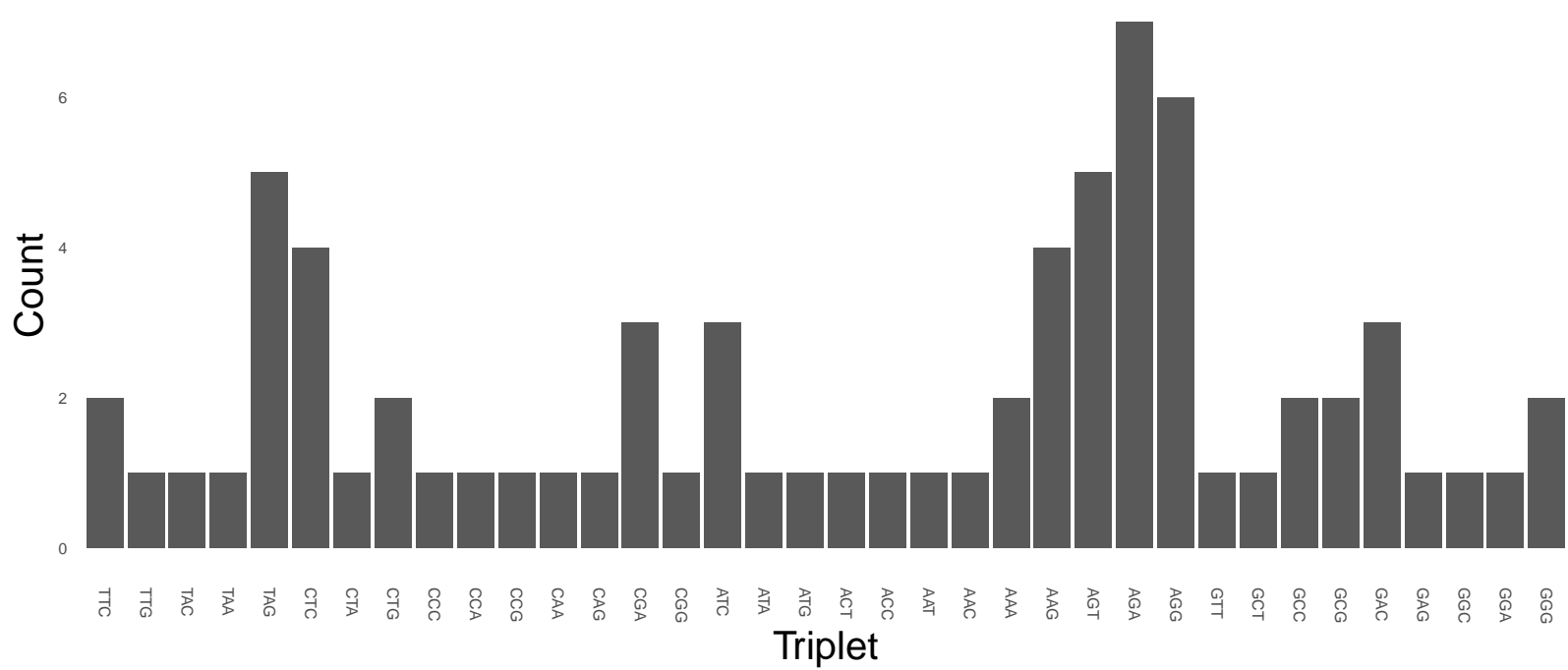
Gene TRBV7-7*ap01_C315T



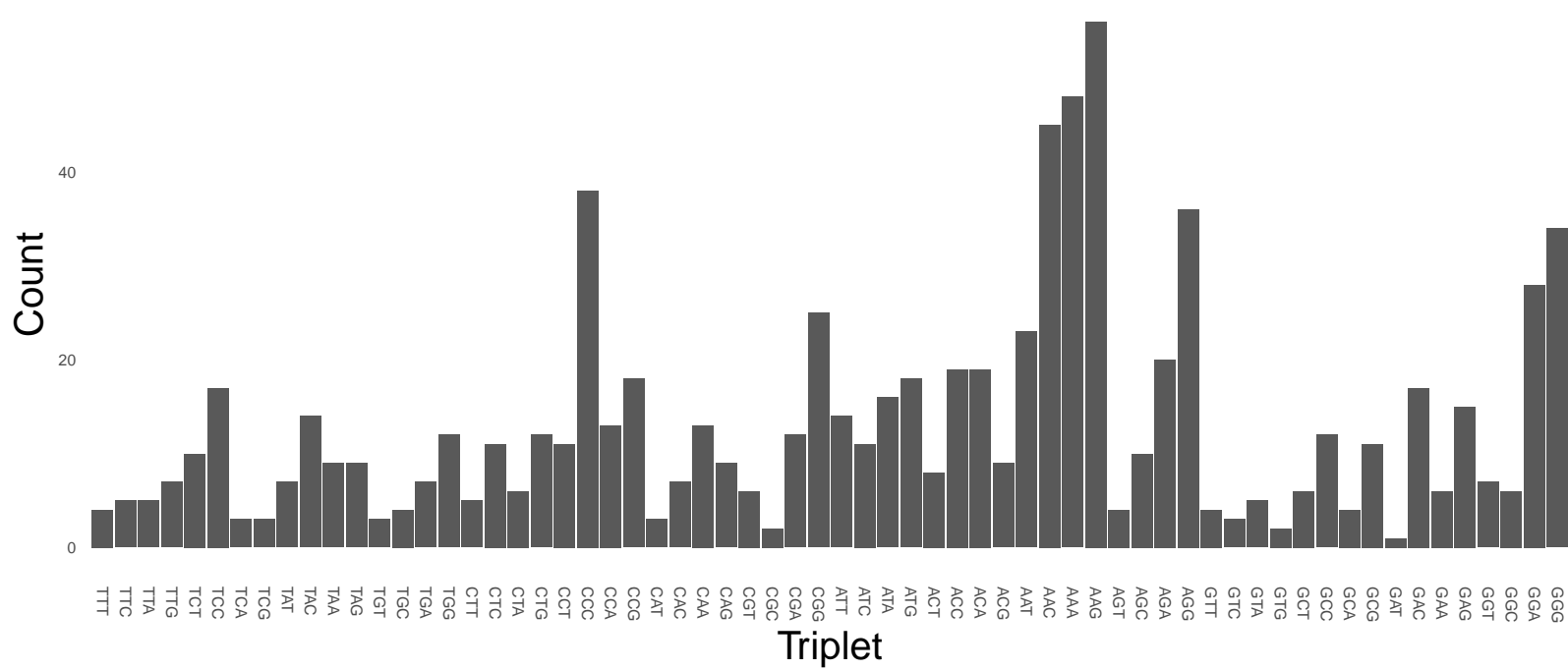
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



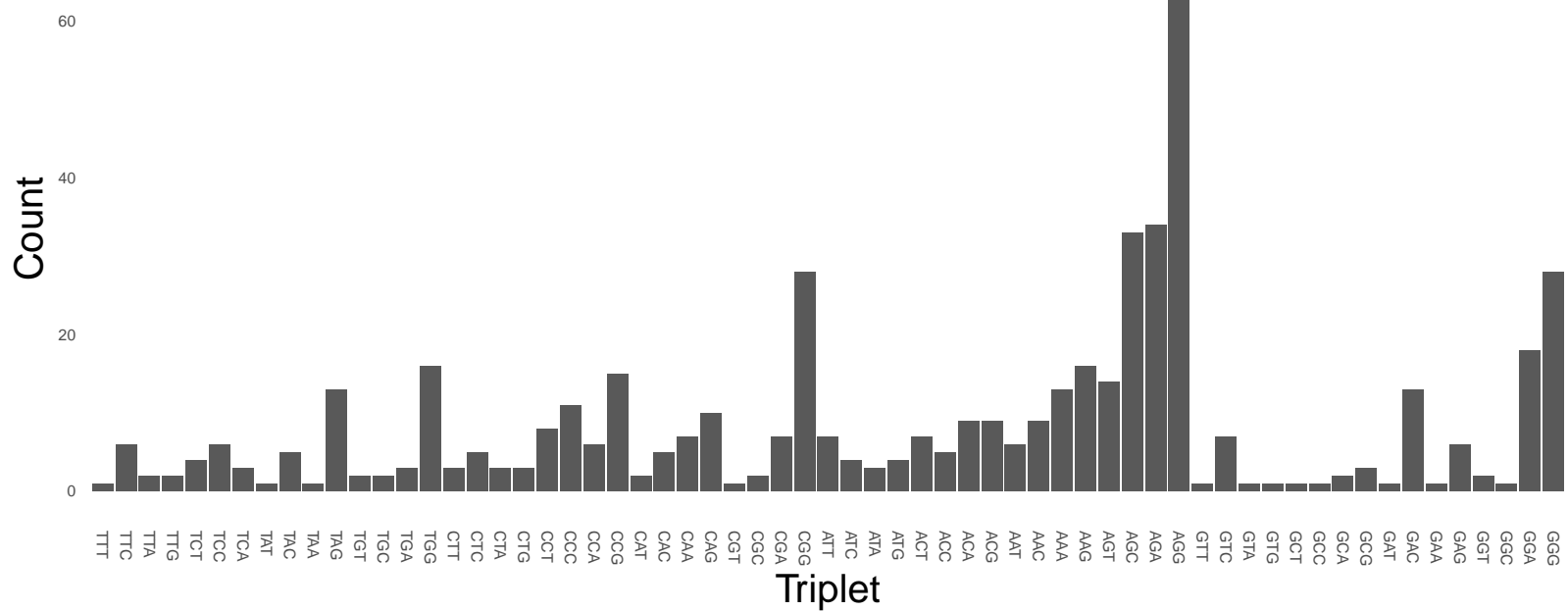
TRBV7-1*ap01_G291C_T296C- Final 3 nucleotides as a triplet



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

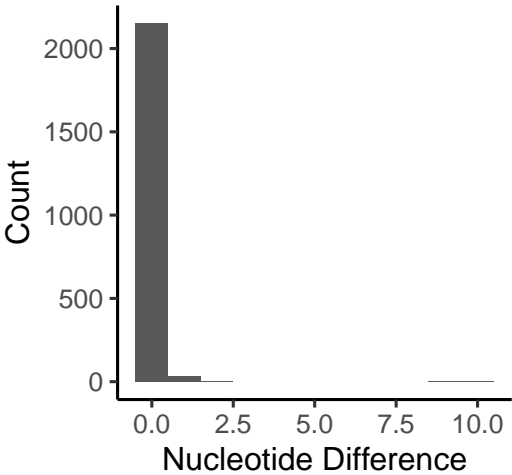


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



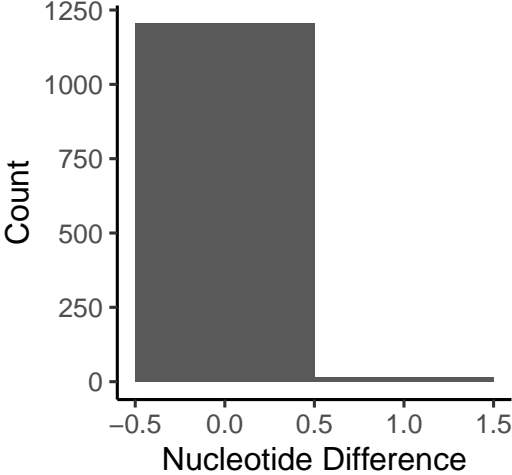
TRBV10-1*ap01

2186 sequences assigned
2151 (98.4%) exact matches, in which:
2092 unique CDR3
13 unique J



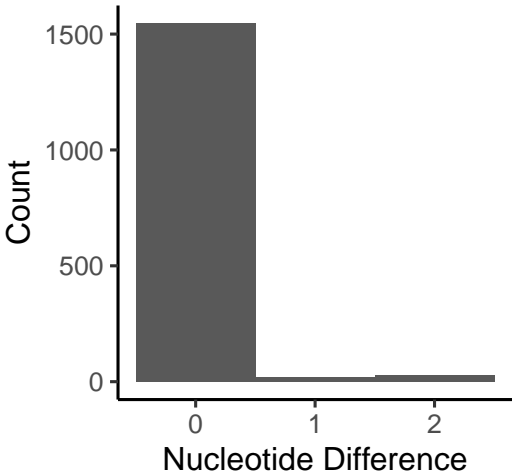
TRBV10-2*ap01

1219 sequences assigned
1205 (98.9%) exact matches, in which:
1178 unique CDR3
13 unique J



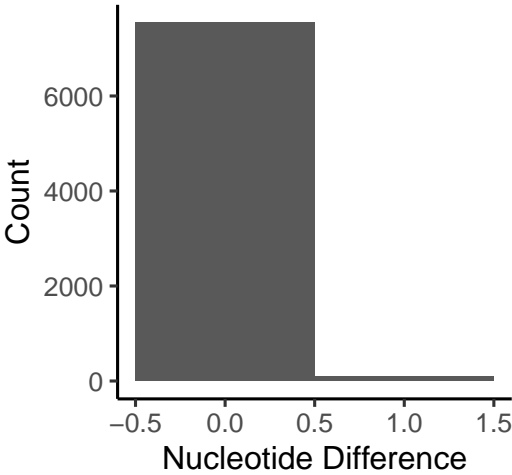
TRBV13*ap01

1594 sequences assigned
1546 (97%) exact matches, in which:
1498 unique CDR3
13 unique J



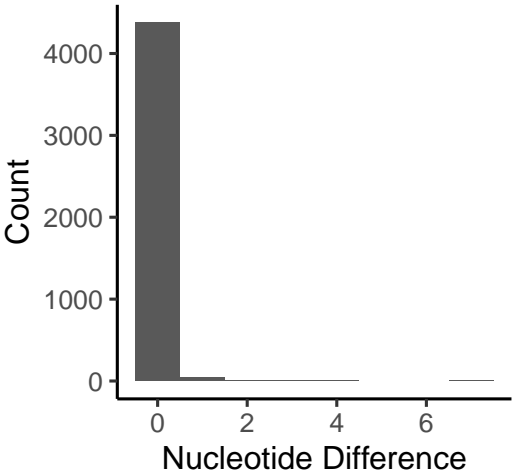
TRBV20-1*ap01

7639 sequences assigned
7542 (98.7%) exact matches, in which:
7421 unique CDR3
13 unique J



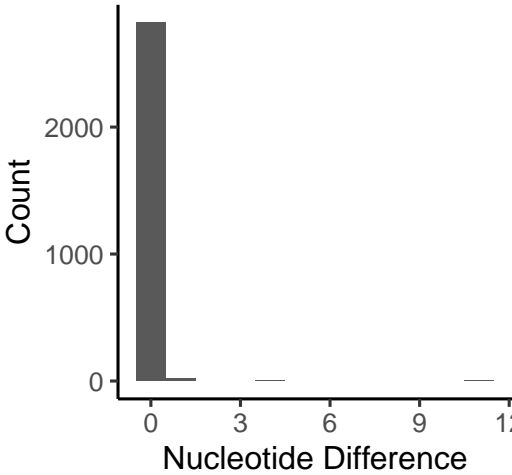
TRBV10-3*ap01

4424 sequences assigned
4376 (98.9%) exact matches, in which:
4284 unique CDR3
13 unique J



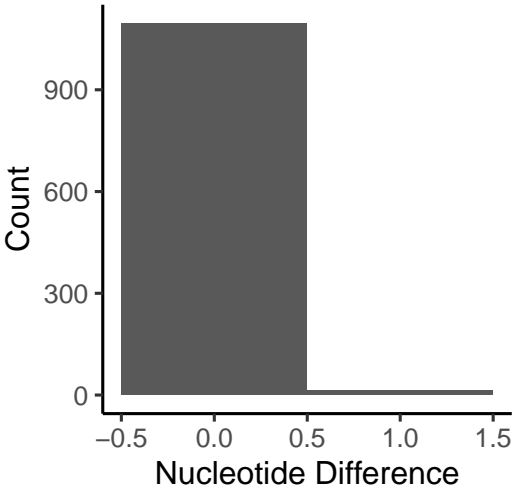
TRBV14*ap01

2842 sequences assigned
2822 (99.3%) exact matches, in which:
2783 unique CDR3
13 unique J



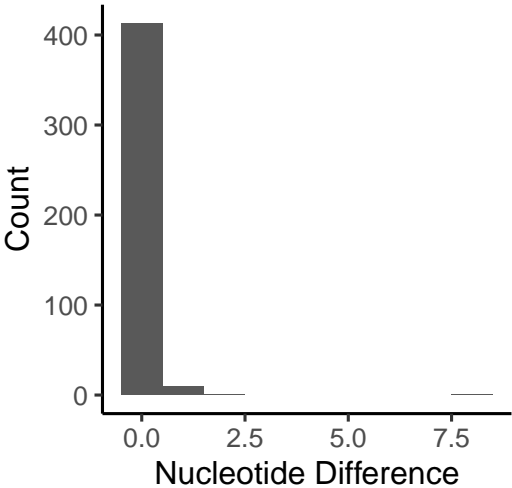
TRBV20-1*ap02

1108 sequences assigned
1096 (98.9%) exact matches, in which:
1085 unique CDR3
13 unique J



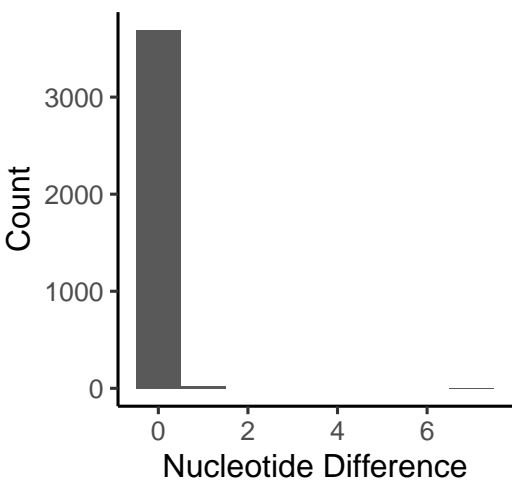
TRBV1*ap01

424 sequences assigned
413 (97.4%) exact matches, in which:
405 unique CDR3
13 unique J



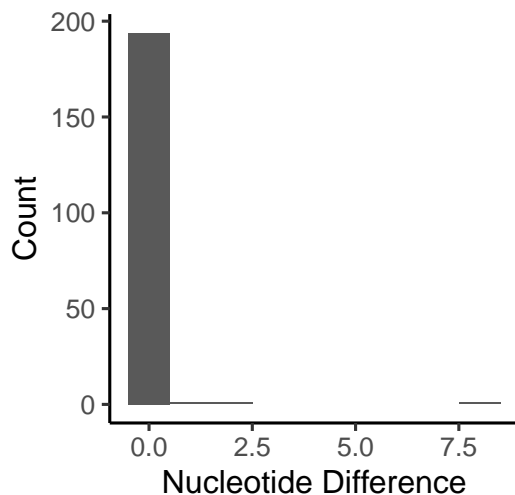
TRBV15*ap02

3717 sequences assigned
3691 (99.3%) exact matches, in which:
3616 unique CDR3
13 unique J



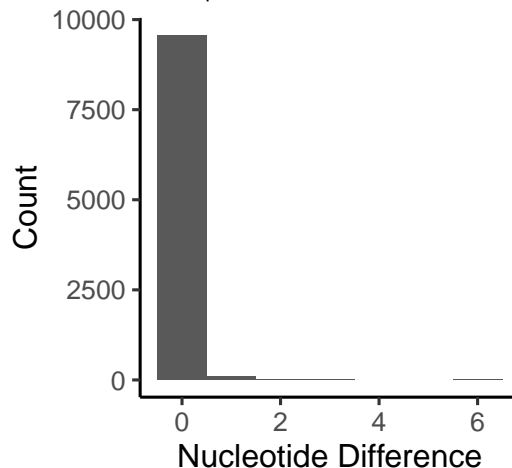
TRBV16*ap01

197 sequences assigned
194 (98.5%) exact matches, in which:
193 unique CDR3
13 unique J



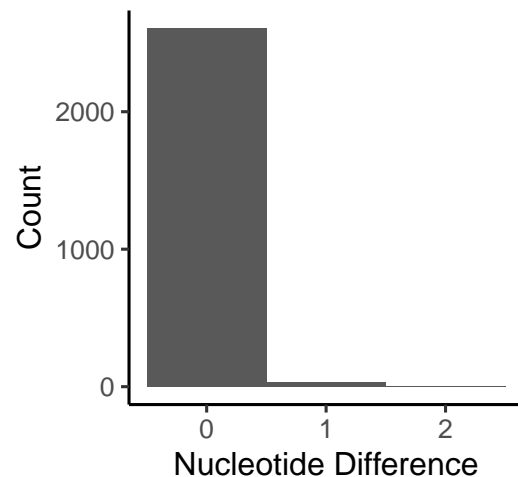
TRBV2*ap01

9674 sequences assigned
9568 (98.9%) exact matches, in which:
9381 unique CDR3
13 unique J



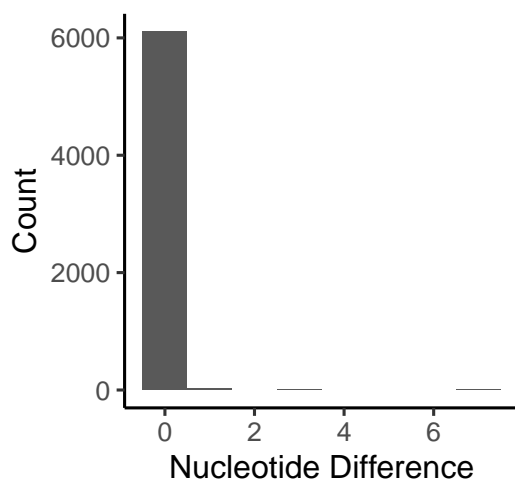
TRBV30*ap01

2641 sequences assigned
2606 (98.7%) exact matches, in which:
2568 unique CDR3
13 unique J



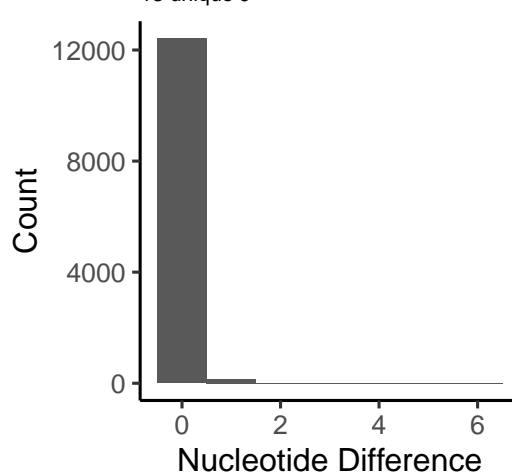
TRBV18*ap01

6135 sequences assigned
6105 (99.5%) exact matches, in which:
6057 unique CDR3
13 unique J



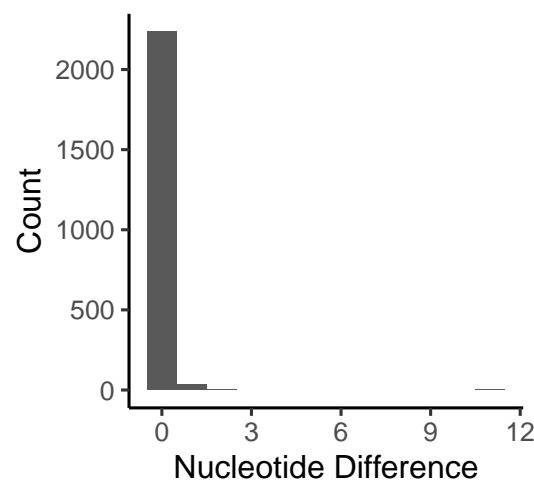
TRBV27*ap01

12584 sequences assigned
12415 (98.7%) exact matches, in which:
12119 unique CDR3
13 unique J



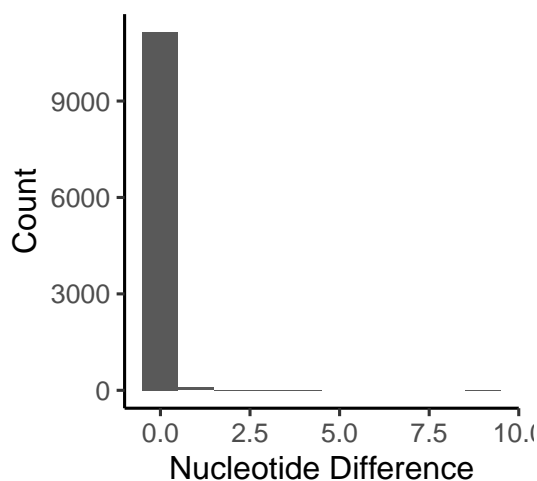
TRBV30*ap02

2274 sequences assigned
2236 (98.3%) exact matches, in which:
2198 unique CDR3
13 unique J



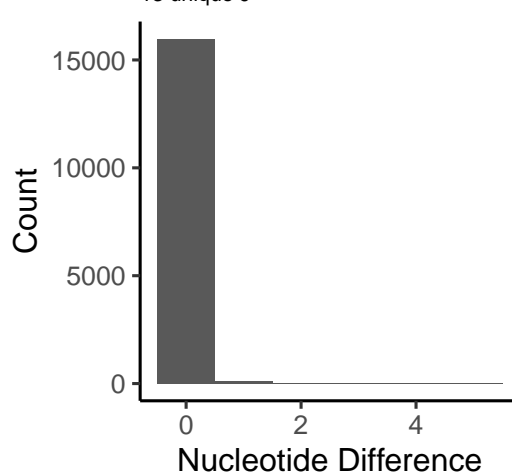
TRBV19*ap01

11250 sequences assigned
11146 (99.1%) exact matches, in which:
11058 unique CDR3
13 unique J



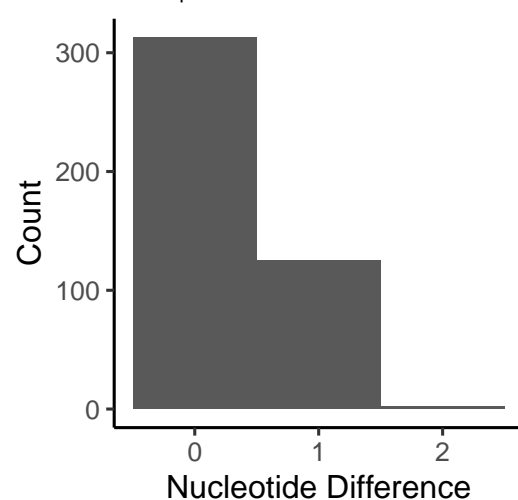
TRBV28*ap01

16097 sequences assigned
15981 (99.3%) exact matches, in which:
15749 unique CDR3
13 unique J



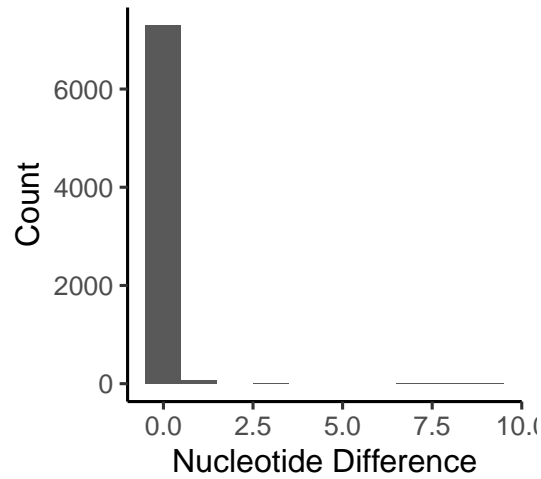
TRBV30*ap03

440 sequences assigned
313 (71.1%) exact matches, in which:
308 unique CDR3
13 unique J



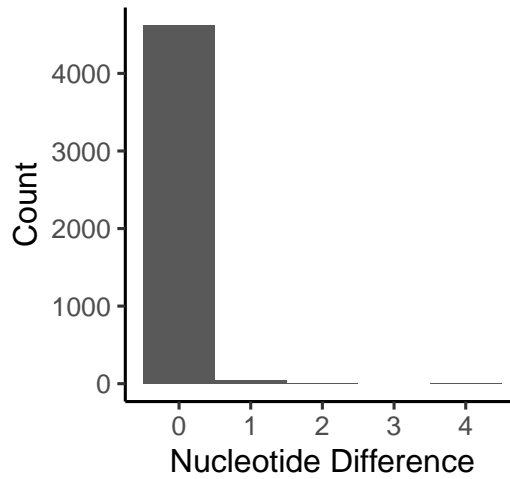
TRBV9*ap01

7367 sequences assigned
7296 (99%) exact matches, in which:
7178 unique CDR3
13 unique J



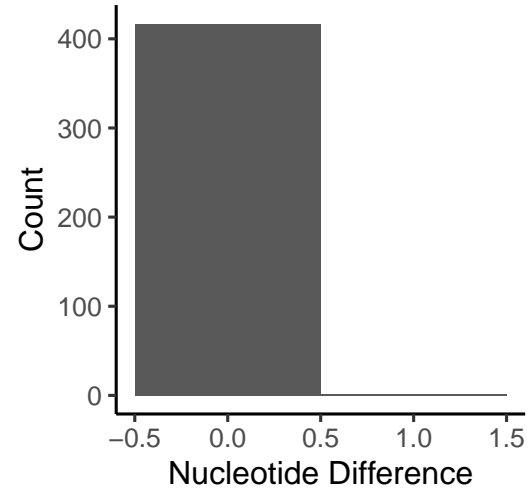
TRBV11-2*ap01

4664 sequences assigned
4619 (99%) exact matches, in which:
4535 unique CDR3
13 unique J



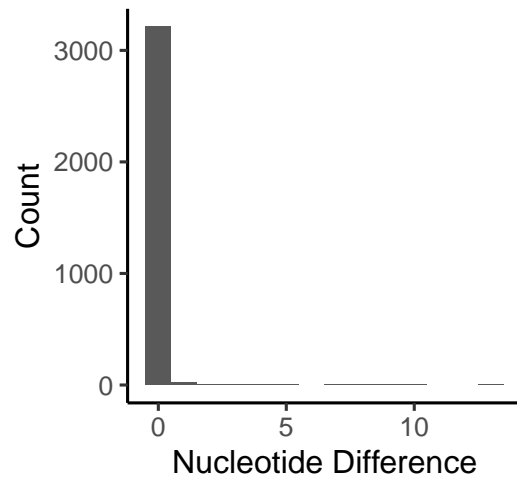
TRBV12-2*ap01

419 sequences assigned
417 (99.5%) exact matches, in which:
412 unique CDR3
13 unique J



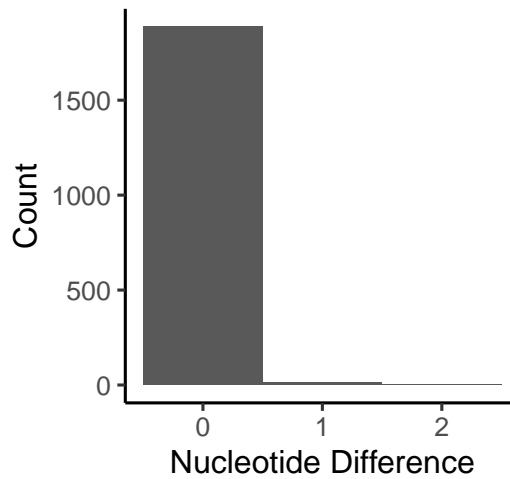
TRBV21-1*ap01

3255 sequences assigned
3212 (98.7%) exact matches, in which:
3177 unique CDR3
13 unique J



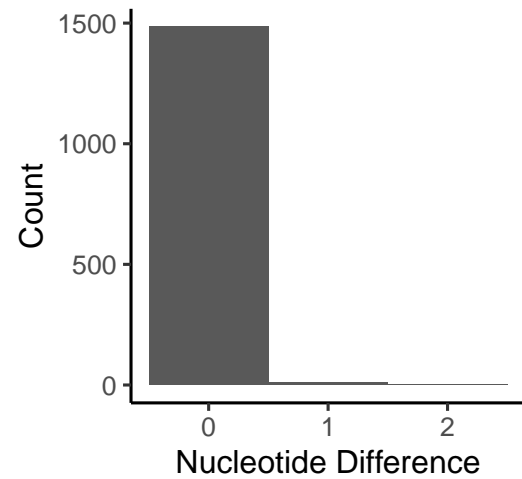
TRBV11-3*ap01

1900 sequences assigned
1887 (99.3%) exact matches, in which:
1857 unique CDR3
13 unique J



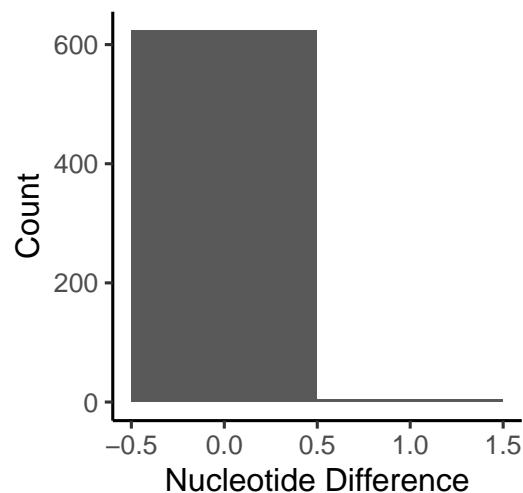
TRBV12-5*ap01

1498 sequences assigned
1485 (99.1%) exact matches, in which:
1459 unique CDR3
13 unique J



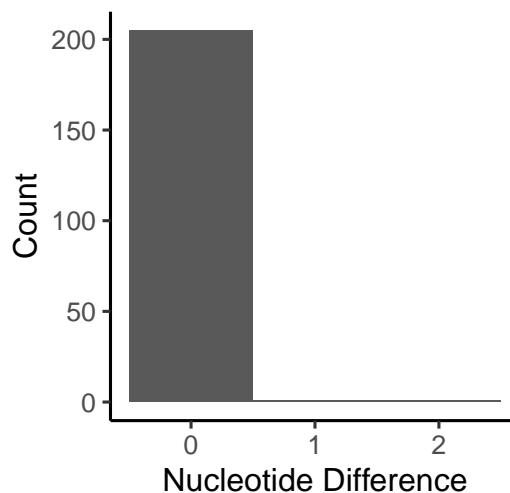
TRBV11-1*ap01

629 sequences assigned
624 (99.2%) exact matches, in which:
612 unique CDR3
13 unique J



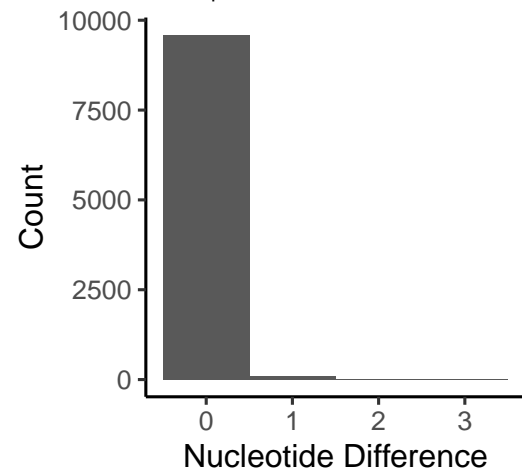
TRBV12-1*ap01

207 sequences assigned
205 (99%) exact matches, in which:
200 unique CDR3
13 unique J



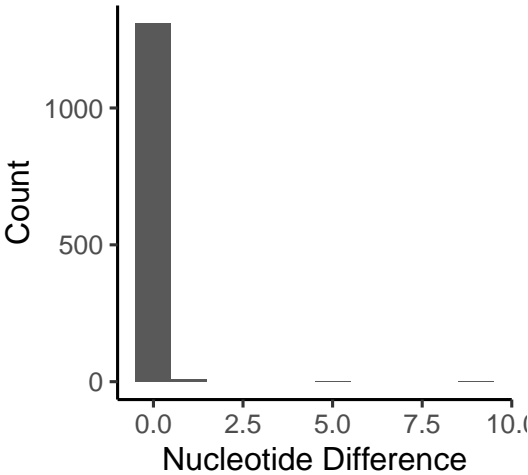
TRBV12-34*ap01

9704 sequences assigned
9595 (98.9%) exact matches, in which:
9428 unique CDR3
13 unique J



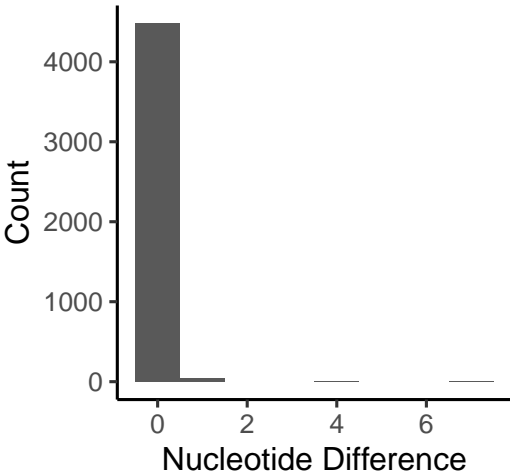
TRBV23-1*ap01

1320 sequences assigned
1309 (99.2%) exact matches, in which:
1280 unique CDR3
13 unique J



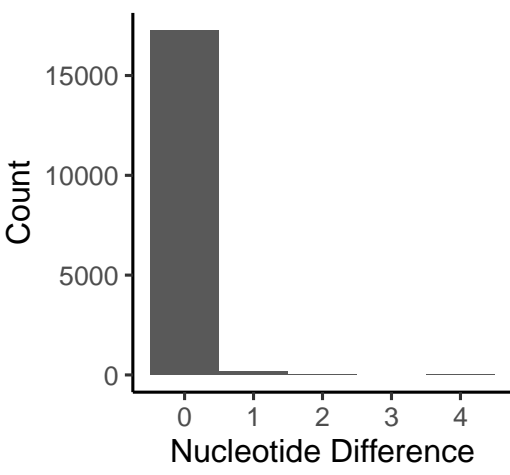
TRBV4-1*ap01

4524 sequences assigned
4480 (99%) exact matches, in which:
4370 unique CDR3
13 unique J



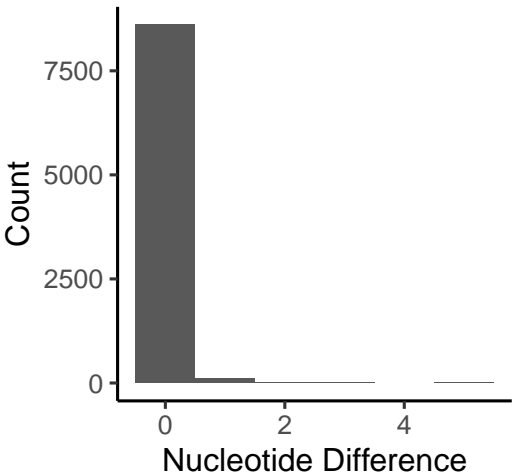
TRBV5-1*ap01

17441 sequences assigned
17273 (99%) exact matches, in which:
16833 unique CDR3
13 unique J



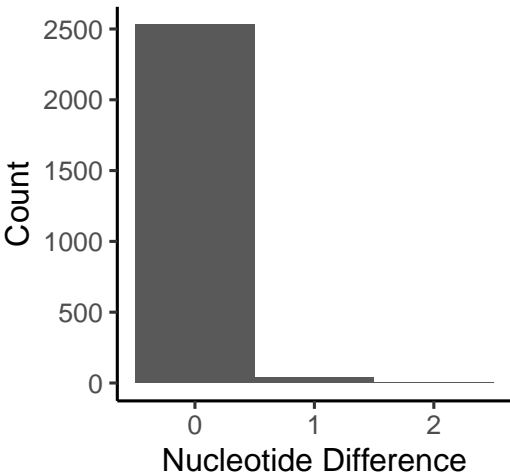
TRBV3-12*ap01

8716 sequences assigned
8607 (98.7%) exact matches, in which:
8420 unique CDR3
13 unique J



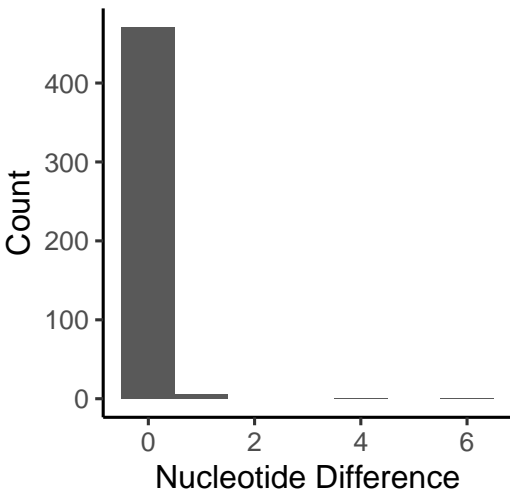
TRBV4-2*ap01

2570 sequences assigned
2530 (98.4%) exact matches, in which:
2473 unique CDR3
13 unique J



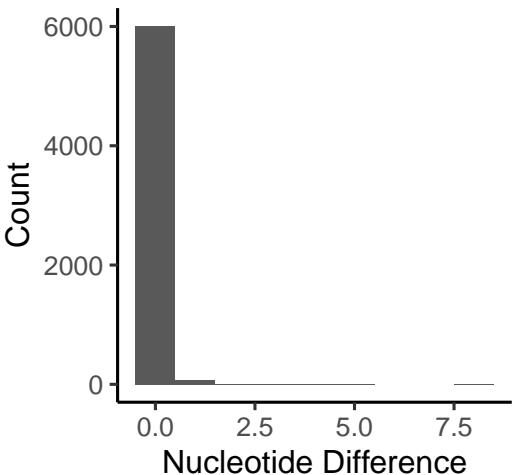
TRBV5-3*ap01

479 sequences assigned
471 (98.3%) exact matches, in which:
466 unique CDR3
13 unique J



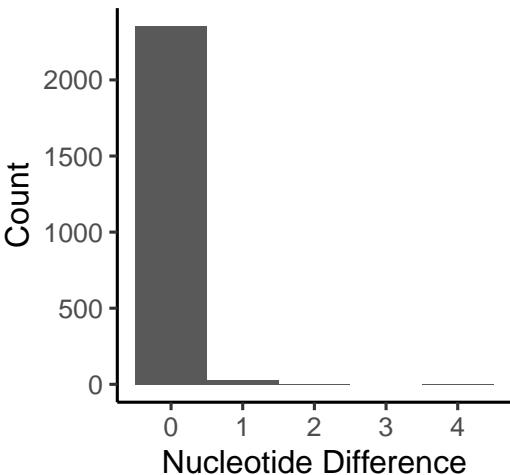
TRBV24-1*ap01

6098 sequences assigned
6007 (98.5%) exact matches, in which:
5871 unique CDR3
13 unique J



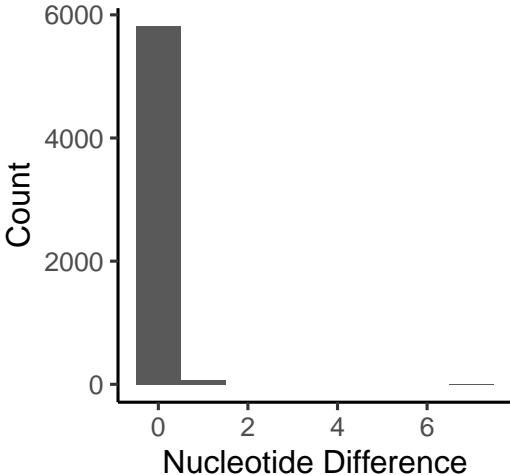
TRBV25-1*ap01

2385 sequences assigned
2354 (98.7%) exact matches, in which:
2304 unique CDR3
13 unique J



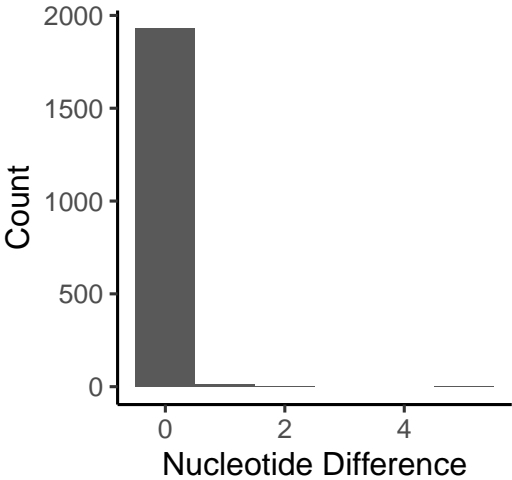
TRBV5-4*ap01

5889 sequences assigned
5818 (98.8%) exact matches, in which:
5692 unique CDR3
13 unique J



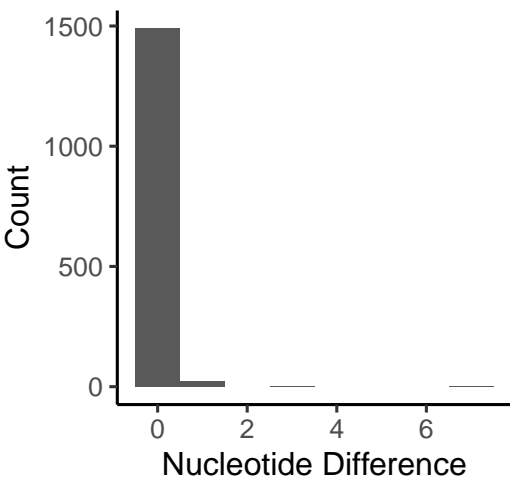
TRBV5-5*ap01

1945 sequences assigned
1930 (99.2%) exact matches, in which:
1917 unique CDR3
13 unique J



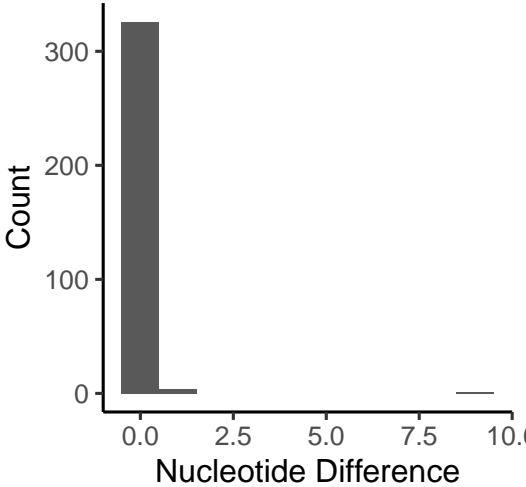
TRBV5-8*ap01

1514 sequences assigned
1490 (98.4%) exact matches, in which:
1464 unique CDR3
13 unique J



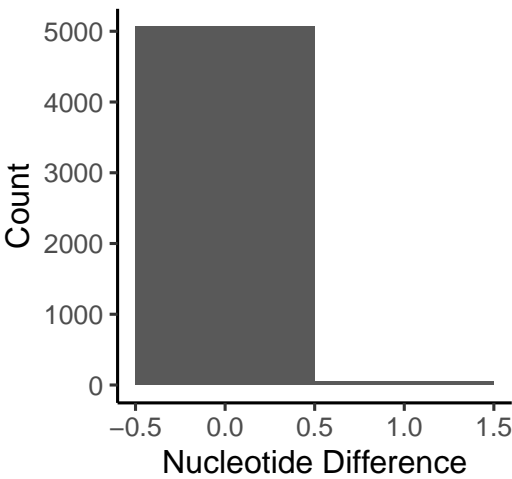
TRBV6-7*ap01

331 sequences assigned
326 (98.5%) exact matches, in which:
317 unique CDR3
13 unique J



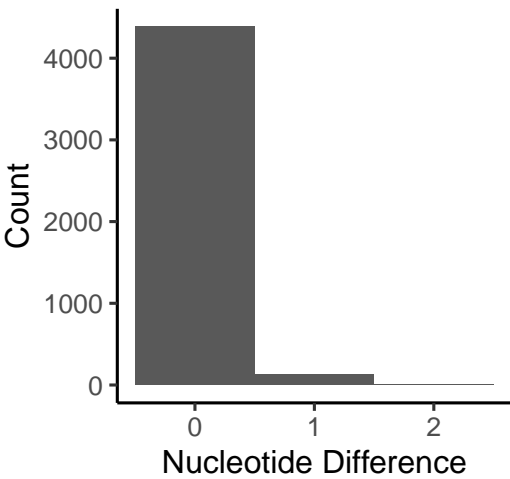
TRBV5-6*ap01

5117 sequences assigned
5064 (99%) exact matches, in which:
4941 unique CDR3
13 unique J



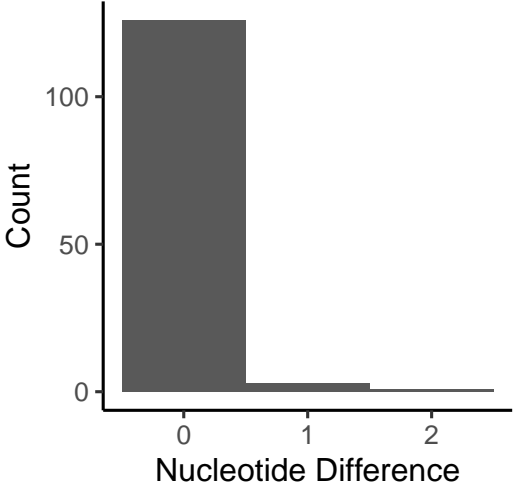
TRBV6-1*ap01

4510 sequences assigned
4385 (97.2%) exact matches, in which:
4295 unique CDR3
13 unique J



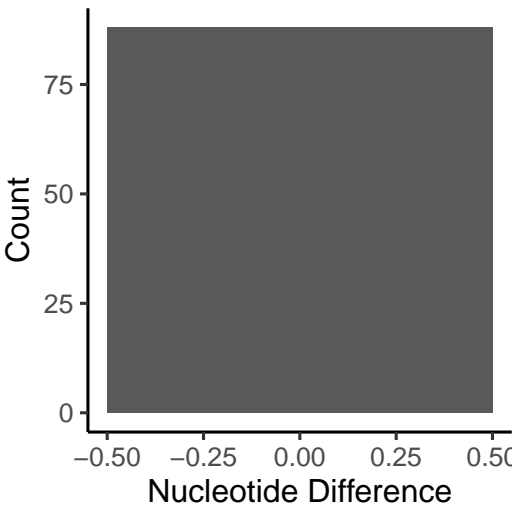
TRBV6-8*ap01

130 sequences assigned
126 (96.9%) exact matches, in which:
125 unique CDR3
13 unique J



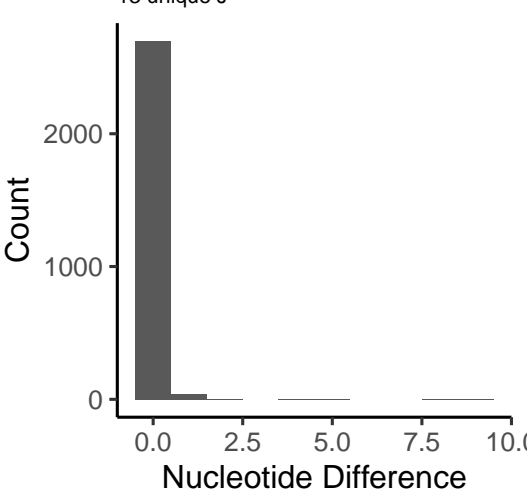
TRBV5-7*ap01

88 sequences assigned
88 (100%) exact matches, in which:
86 unique CDR3
12 unique J



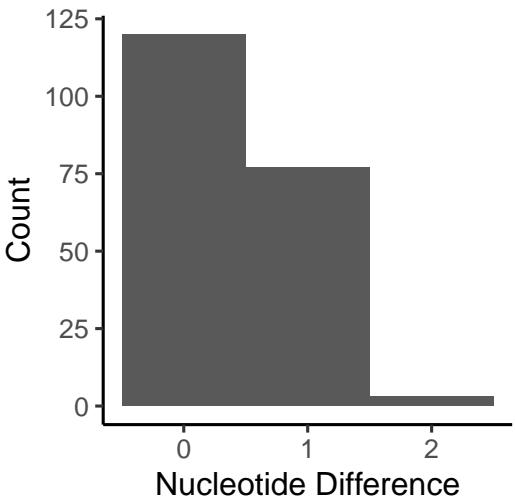
TRBV6-4*ap01

2743 sequences assigned
2698 (98.4%) exact matches, in which:
2651 unique CDR3
13 unique J



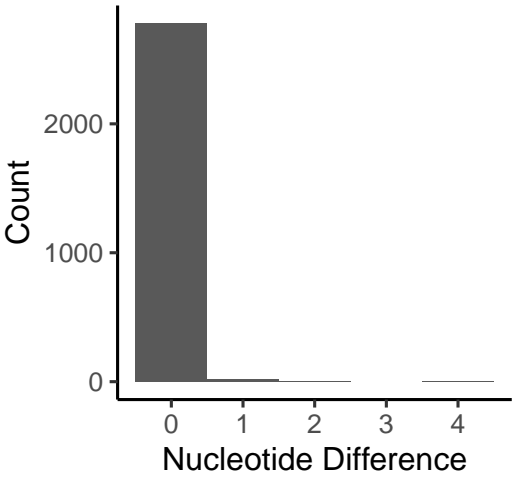
TRBV6-9*ap01

200 sequences assigned
120 (60%) exact matches, in which:
119 unique CDR3
13 unique J



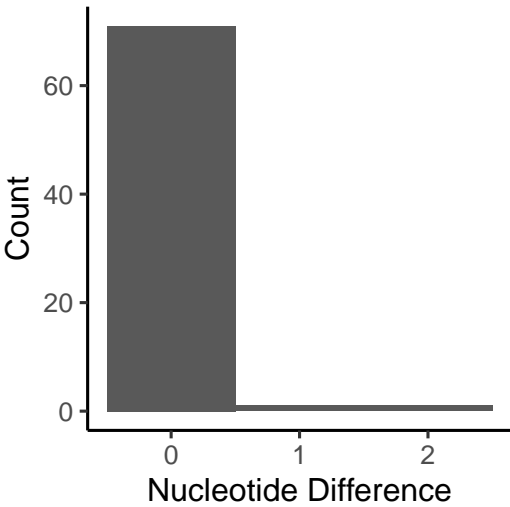
TRBV6-23*ap01

2804 sequences assigned
2779 (99.1%) exact matches, in which:
2693 unique CDR3
13 unique J



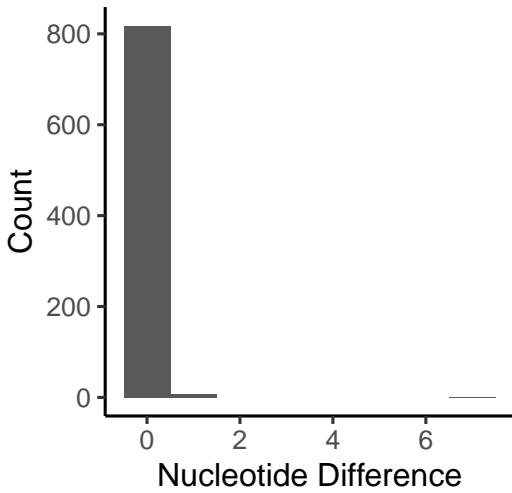
TRBV7-1*ap01_G291C_T

73 sequences assigned
71 (97.3%) exact matches, in which:
70 unique CDR3
12 unique J



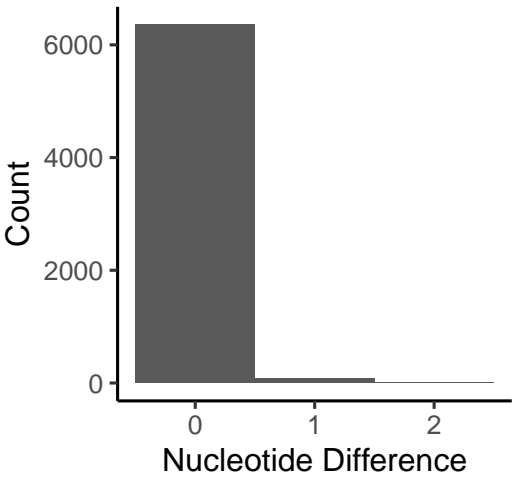
TRBV7-3*ap01_G292T

827 sequences assigned
818 (98.9%) exact matches, in which:
804 unique CDR3
13 unique J



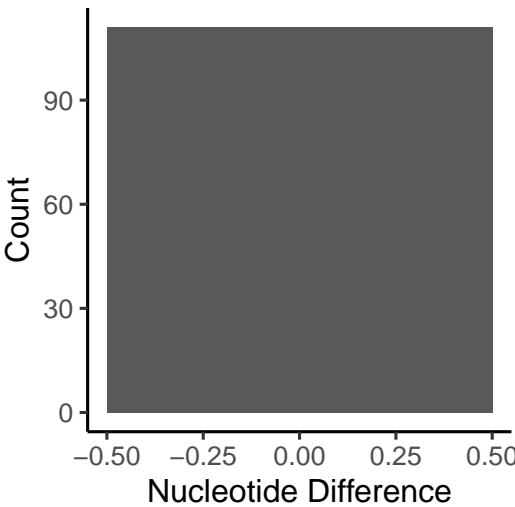
TRBV6-56*ap01

6442 sequences assigned
6357 (98.7%) exact matches, in which:
6187 unique CDR3
13 unique J



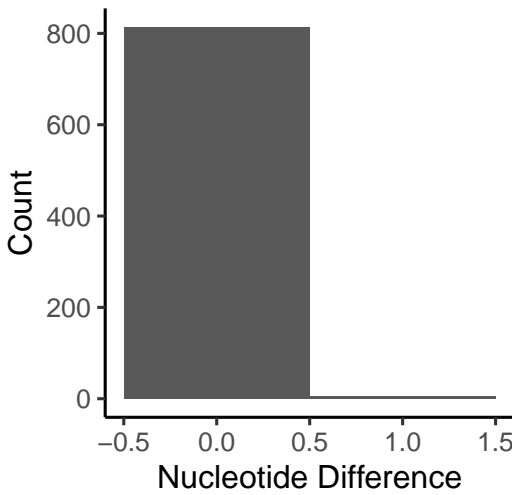
TRBV7-1*ap01_G291C_T

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



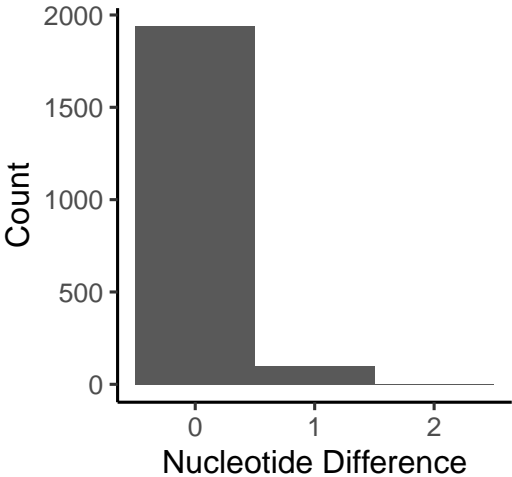
TRBV7-3*ap03

820 sequences assigned
814 (99.3%) exact matches, in which:
809 unique CDR3
13 unique J



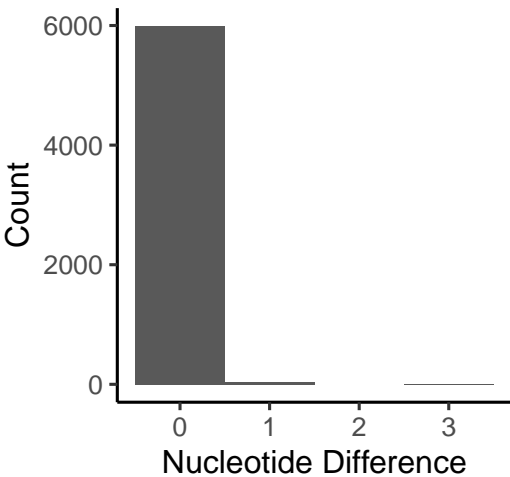
TRBV6-56*ap02

2040 sequences assigned
1940 (95.1%) exact matches, in which:
1887 unique CDR3
13 unique J



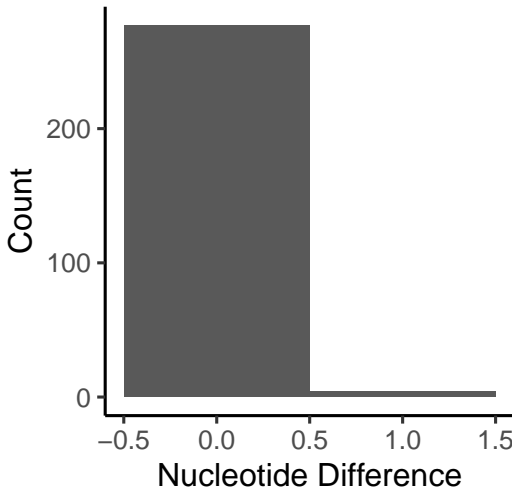
TRBV7-2*ap01

6035 sequences assigned
5991 (99.3%) exact matches, in which:
5911 unique CDR3
13 unique J



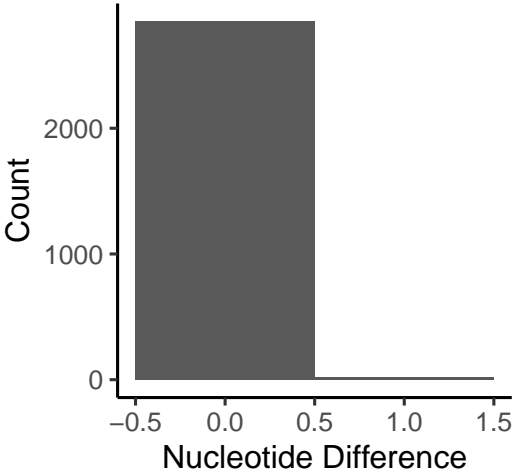
TRBV7-4*ap01

281 sequences assigned
277 (98.6%) exact matches, in which:
268 unique CDR3
13 unique J



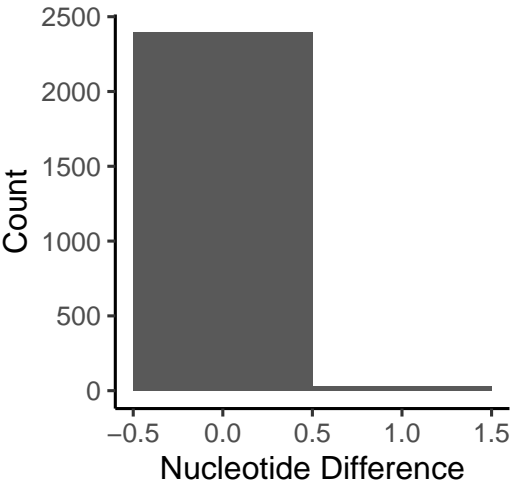
TRBV7-6*ap01

2872 sequences assigned
2850 (99.2%) exact matches, in which:
2781 unique CDR3
13 unique J



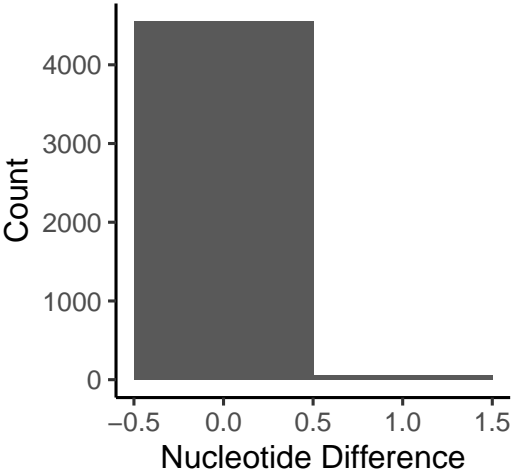
TRBV7-8*ap01

2423 sequences assigned
2395 (98.8%) exact matches, in which:
2341 unique CDR3
13 unique J



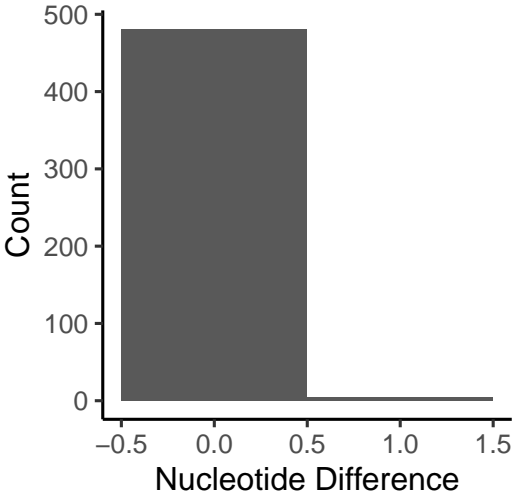
TRBV29-1*ap01

4611 sequences assigned
4551 (98.7%) exact matches, in which:
4425 unique CDR3
13 unique J



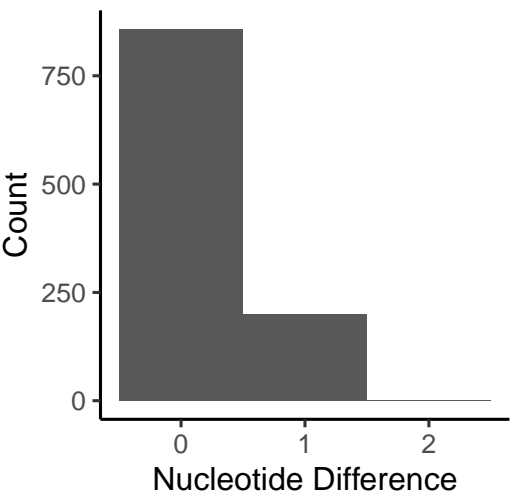
TRBV7-7*ap01

485 sequences assigned
481 (99.2%) exact matches, in which:
473 unique CDR3
13 unique J



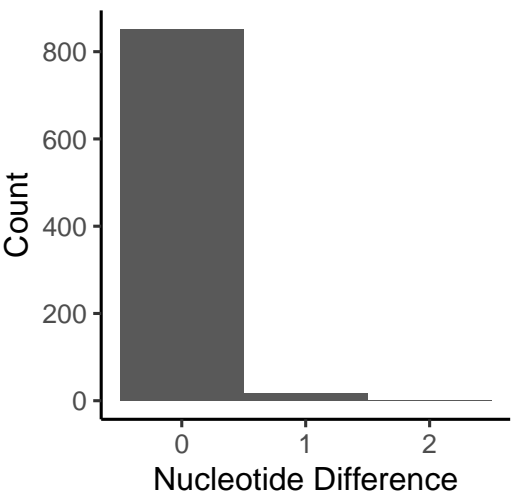
TRBV7-8*ap03

1059 sequences assigned
858 (81%) exact matches, in which:
847 unique CDR3
13 unique J



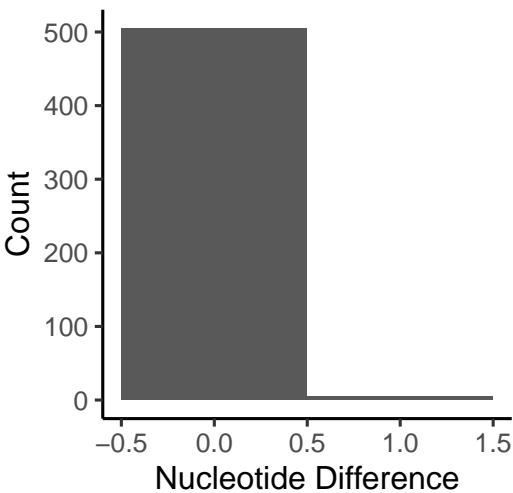
TRBV29-1*ap02

871 sequences assigned
852 (97.8%) exact matches, in which:
836 unique CDR3
13 unique J



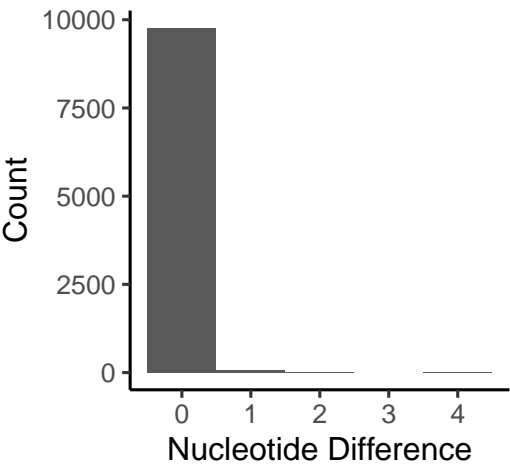
TRBV7-7*ap01_C315T

510 sequences assigned
505 (99%) exact matches, in which:
497 unique CDR3
13 unique J

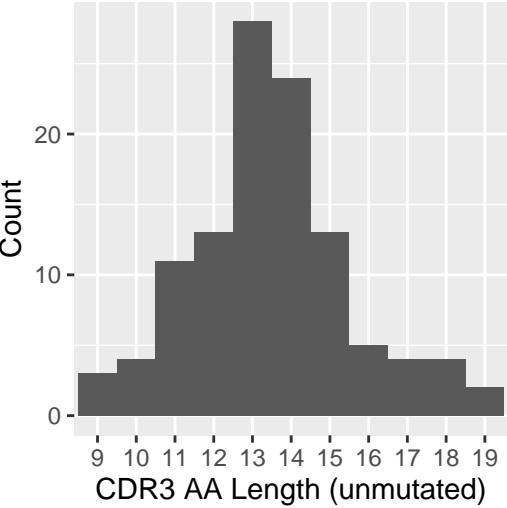


TRBV7-9*ap01

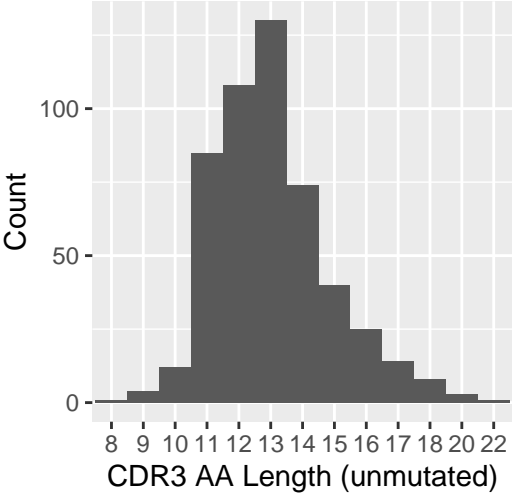
9853 sequences assigned
9772 (99.2%) exact matches, in which:
9618 unique CDR3
13 unique J



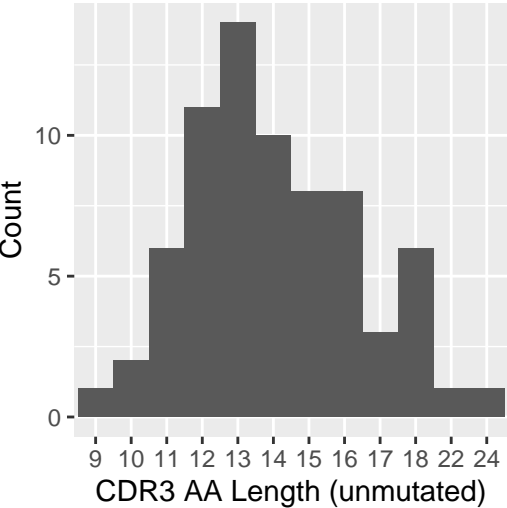
TRBV7-1*ap01_G291C_T29



TRBV7-7*ap01_C315T



TRBV7-1*ap01_G291C_T296C



TRBV7-3*ap01_G292T

