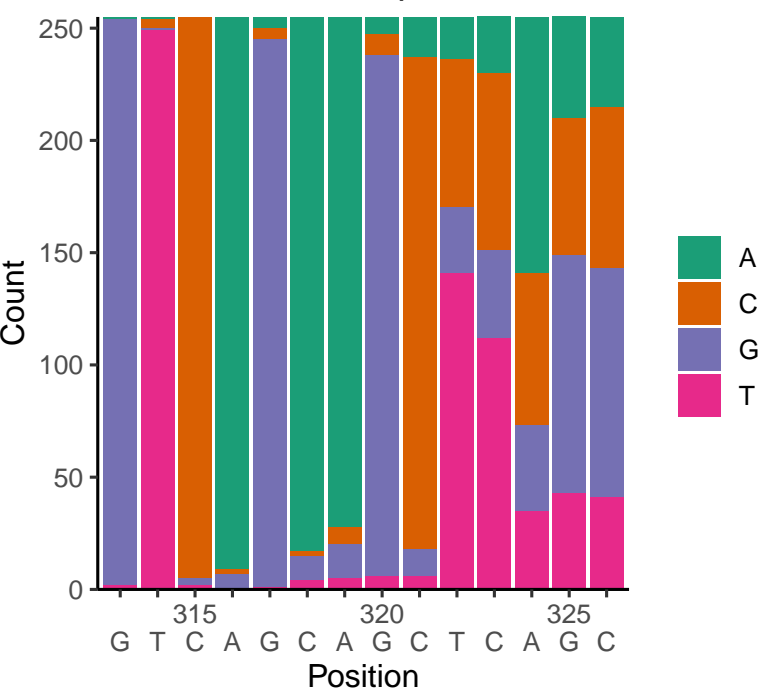
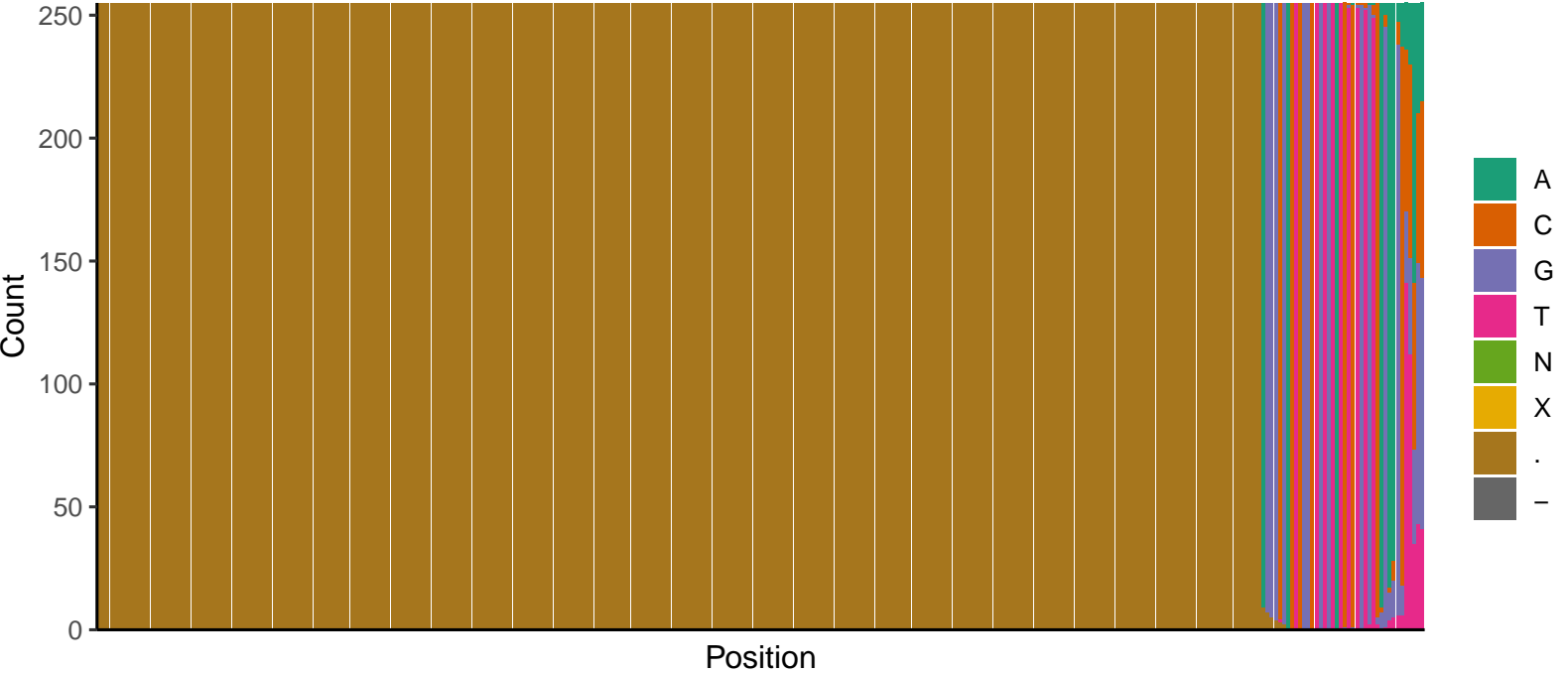


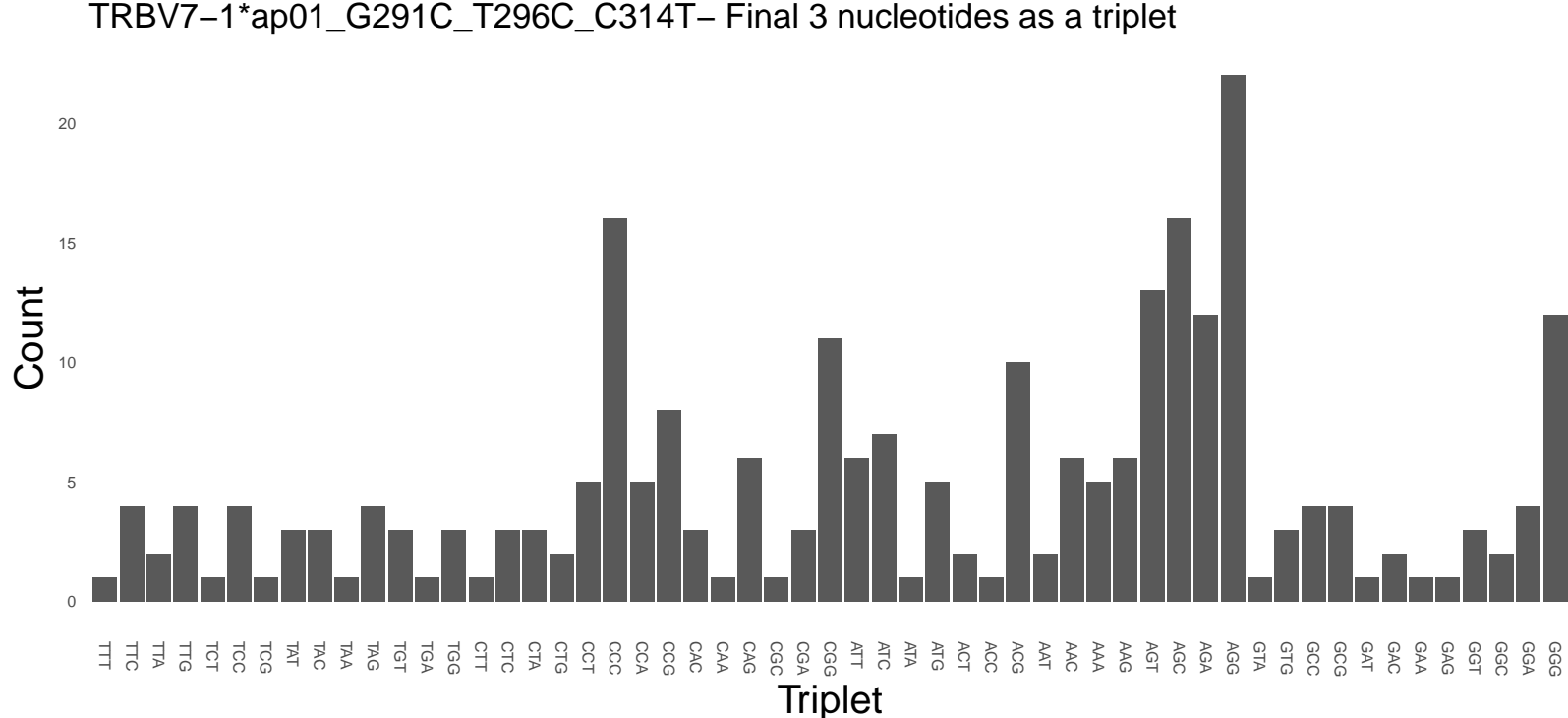
Gene TRBV7-1*ap01_G291C_T296C_C314T



Gene TRBV7-1*ap01_G291C_T296C_C314T

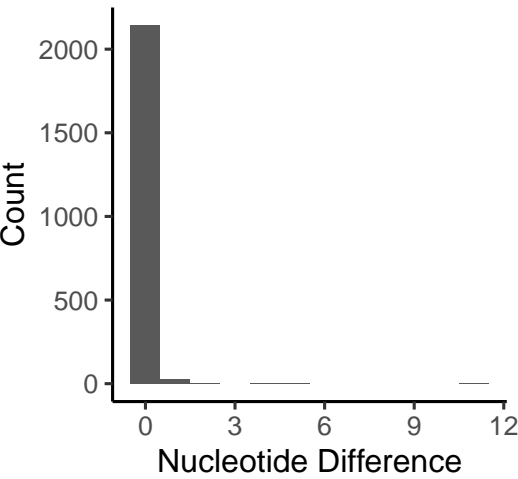


TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



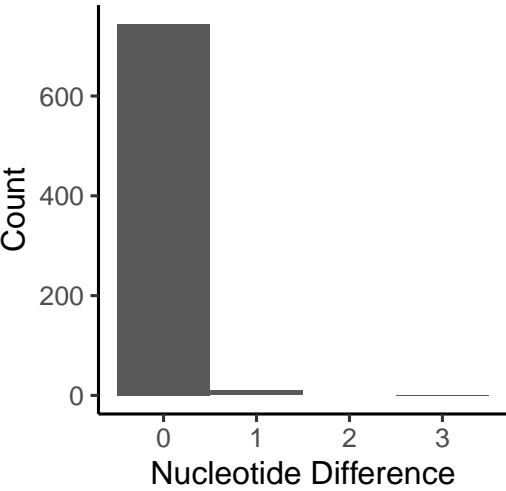
TRBV10-1*ap01

2174 sequences assigned
2142 (98.5%) exact matches, in which:
2102 unique CDR3
14 unique J



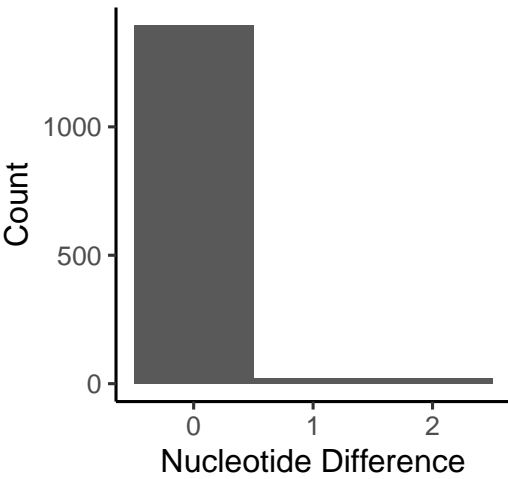
TRBV10-2*ap01

756 sequences assigned
745 (98.5%) exact matches, in which:
732 unique CDR3
14 unique J



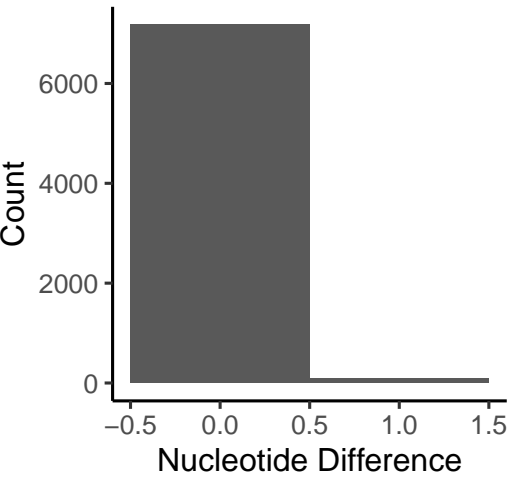
TRBV13*ap01

1439 sequences assigned
1395 (96.9%) exact matches, in which:
1362 unique CDR3
14 unique J



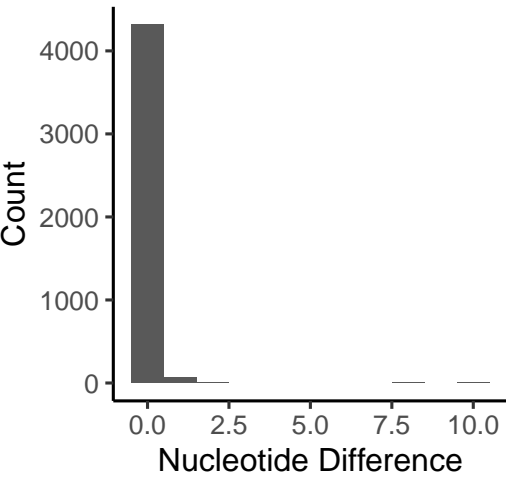
TRBV20-1*ap01

7261 sequences assigned
7177 (98.8%) exact matches, in which:
7088 unique CDR3
14 unique J



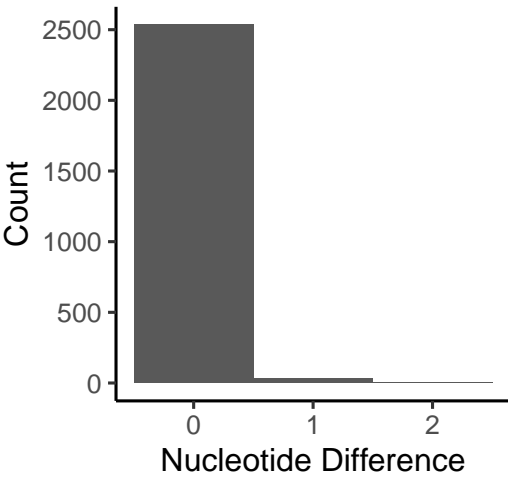
TRBV10-3*ap01

4385 sequences assigned
4315 (98.4%) exact matches, in which:
4245 unique CDR3
14 unique J



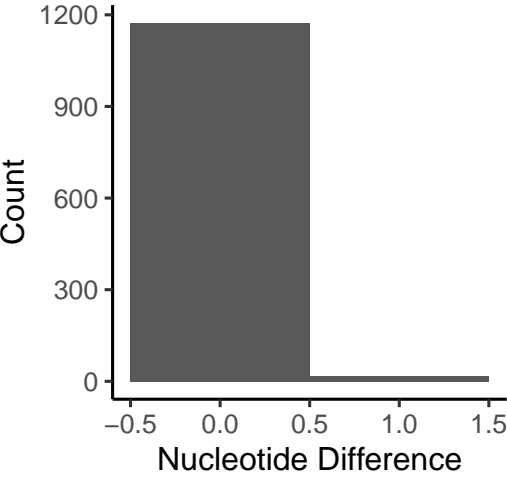
TRBV14*ap01

2565 sequences assigned
2535 (98.8%) exact matches, in which:
2502 unique CDR3
14 unique J



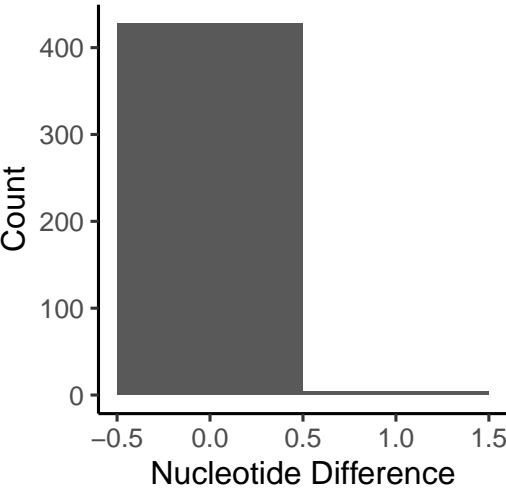
TRBV20-1*ap02

1190 sequences assigned
1173 (98.6%) exact matches, in which:
1160 unique CDR3
14 unique J



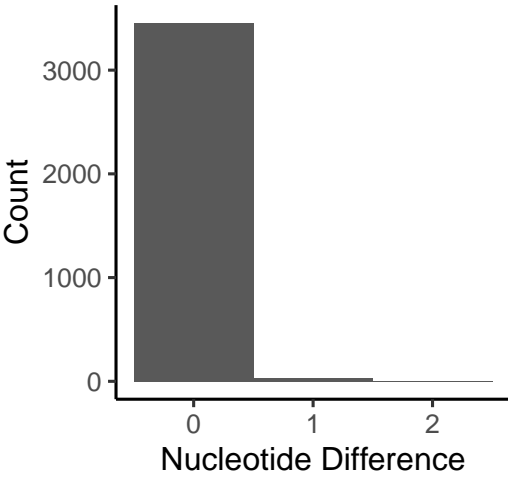
TRBV1*ap01

432 sequences assigned
428 (99.1%) exact matches, in which:
416 unique CDR3
14 unique J



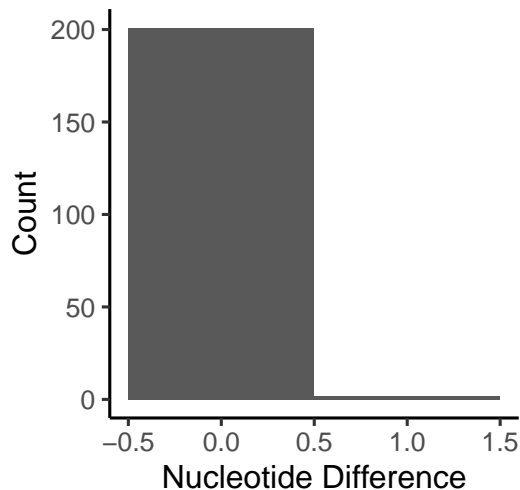
TRBV15*ap02

3487 sequences assigned
3454 (99.1%) exact matches, in which:
3392 unique CDR3
14 unique J



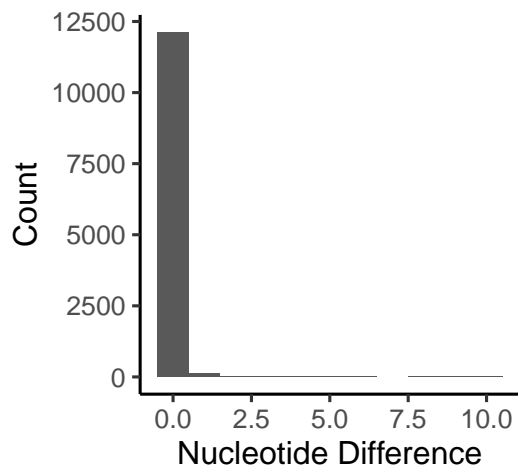
TRBV16*ap01

203 sequences assigned
201 (99%) exact matches, in which:
198 unique CDR3
14 unique J



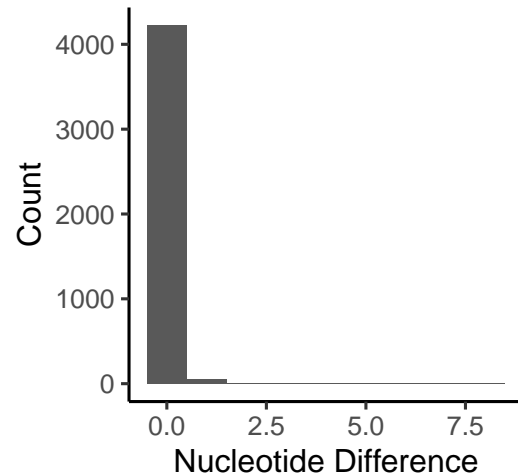
TRBV19*ap01

12280 sequences assigned
12125 (98.7%) exact matches, in which:
11985 unique CDR3
14 unique J



TRBV27*ap01

4292 sequences assigned
4223 (98.4%) exact matches, in which:
4149 unique CDR3
14 unique J



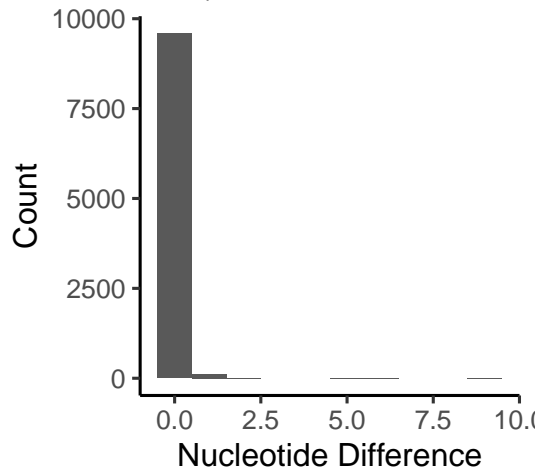
TRBV17*ap01

1 sequences assigned
No exact matches.



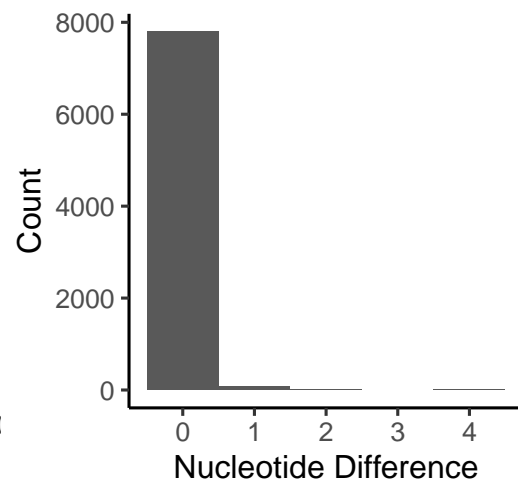
TRBV2*ap01

9708 sequences assigned
9589 (98.8%) exact matches, in which:
9448 unique CDR3
14 unique J



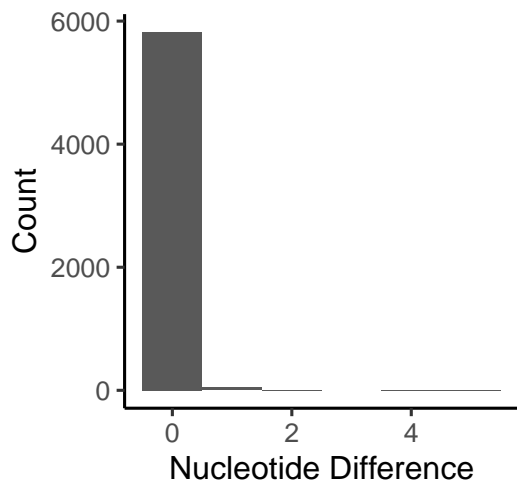
TRBV28*ap01

7887 sequences assigned
7795 (98.8%) exact matches, in which:
7674 unique CDR3
14 unique J



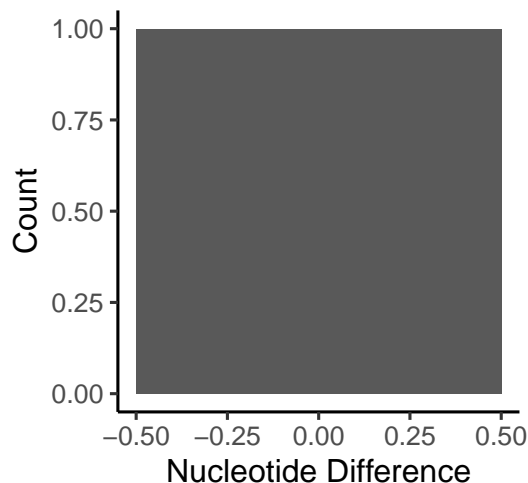
TRBV18*ap01

5872 sequences assigned
5822 (99.1%) exact matches, in which:
5768 unique CDR3
14 unique J



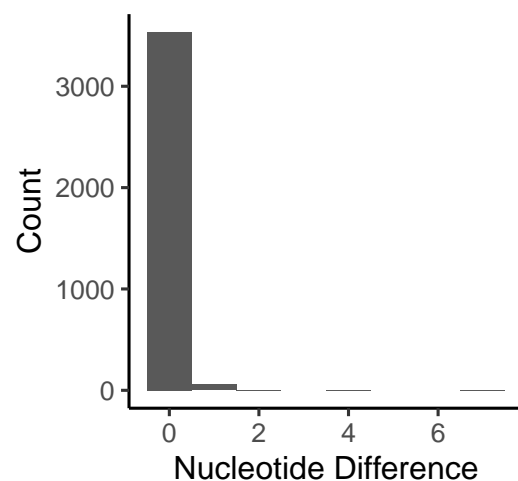
TRBV26*ap01

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



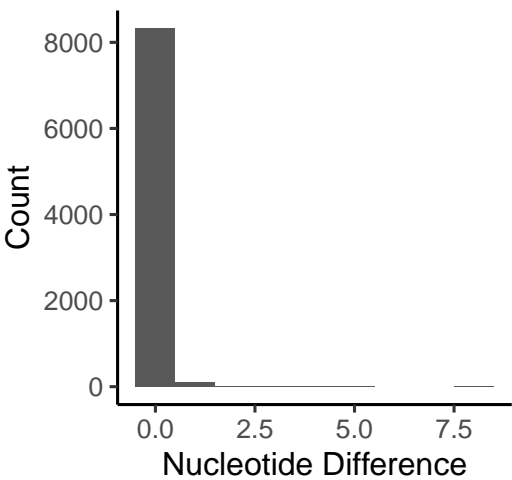
TRBV30*ap02

3601 sequences assigned
3535 (98.2%) exact matches, in which:
3500 unique CDR3
14 unique J



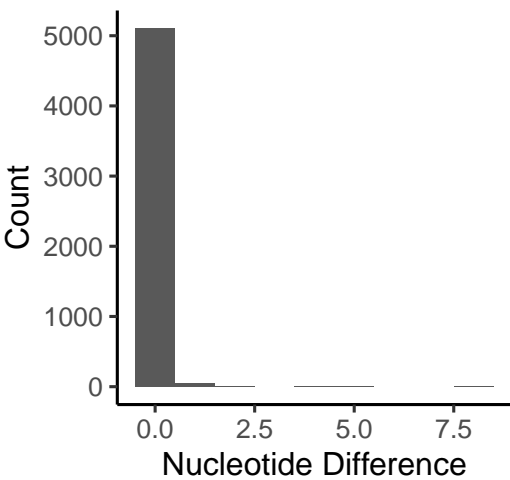
TRBV9*ap01

8437 sequences assigned
8324 (98.7%) exact matches, in which:
8187 unique CDR3
14 unique J



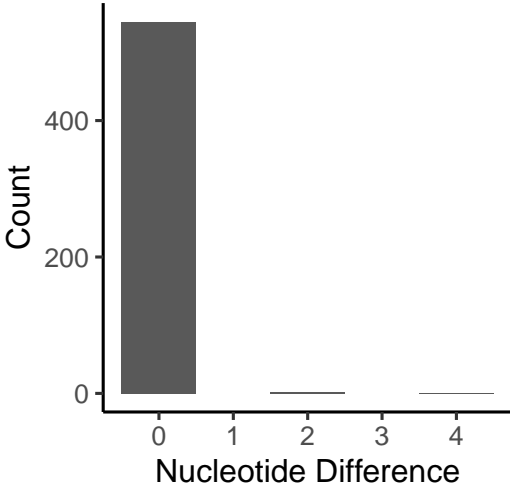
TRBV11-2*ap01

5165 sequences assigned
5104 (98.8%) exact matches, in which:
5023 unique CDR3
14 unique J



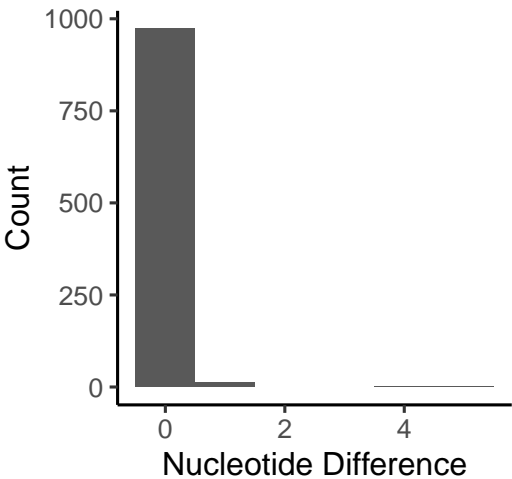
TRBV12-2*ap01

548 sequences assigned
545 (99.5%) exact matches, in which:
535 unique CDR3
14 unique J



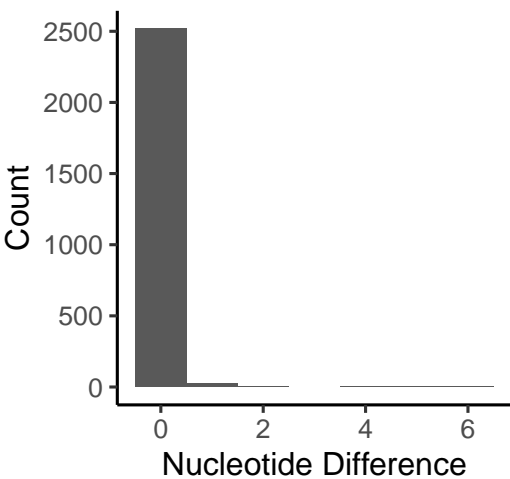
TRBV11-1*ap01

987 sequences assigned
973 (98.6%) exact matches, in which:
955 unique CDR3
14 unique J



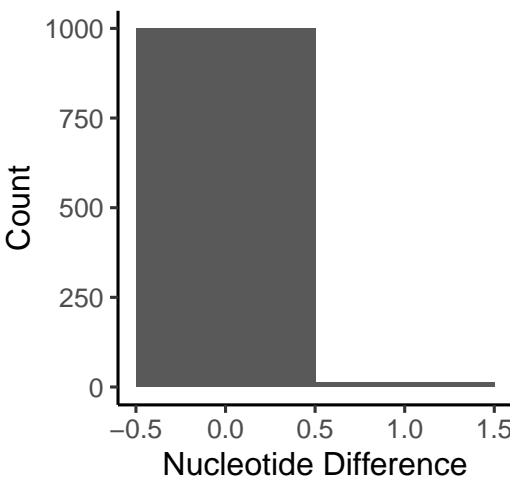
TRBV11-3*ap01

2549 sequences assigned
2518 (98.8%) exact matches, in which:
2483 unique CDR3
14 unique J



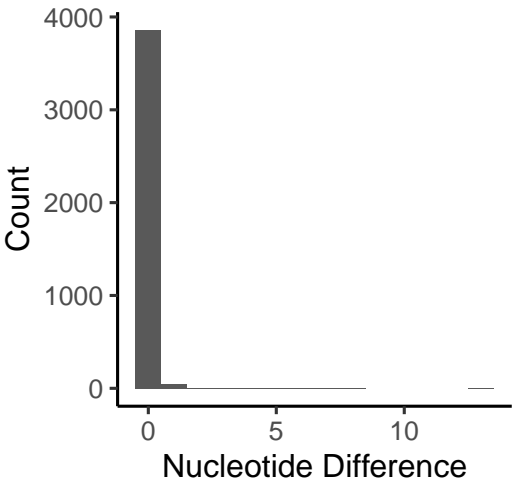
TRBV12-5*ap01

1011 sequences assigned
999 (98.8%) exact matches, in which:
984 unique CDR3
14 unique J



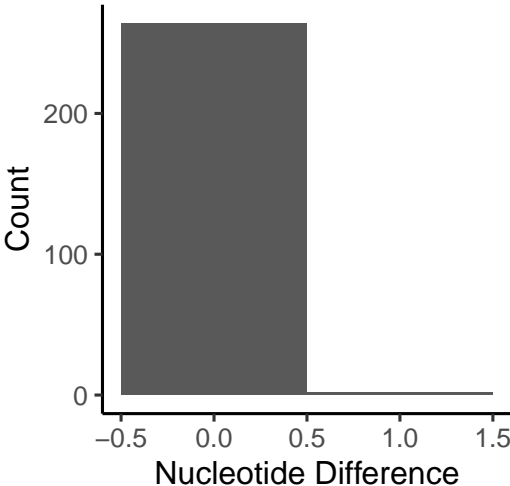
TRBV21-1*ap01

3926 sequences assigned
3859 (98.3%) exact matches, in which:
3802 unique CDR3
14 unique J



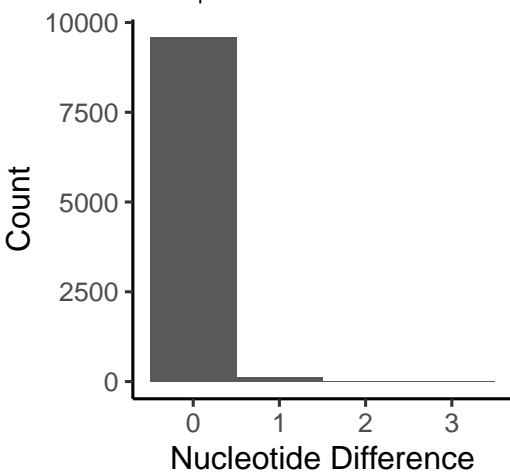
TRBV12-1*ap01

266 sequences assigned
264 (99.2%) exact matches, in which:
257 unique CDR3
14 unique J



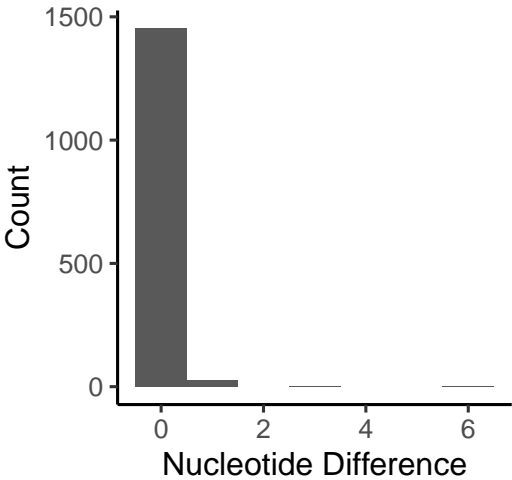
TRBV12-34*ap01

9725 sequences assigned
9602 (98.7%) exact matches, in which:
9468 unique CDR3
14 unique J



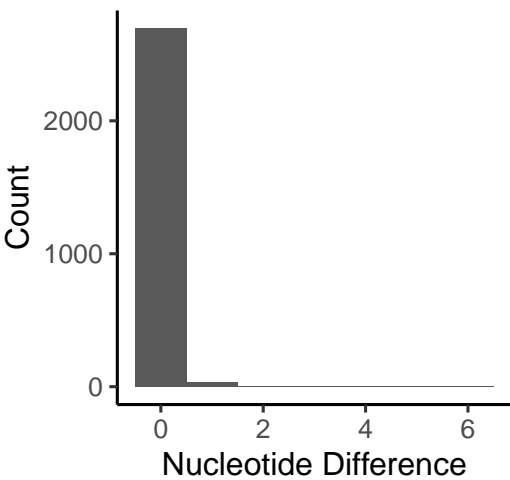
TRBV23–1*ap01

1483 sequences assigned
1453 (98%) exact matches, in which:
1421 unique CDR3
14 unique J



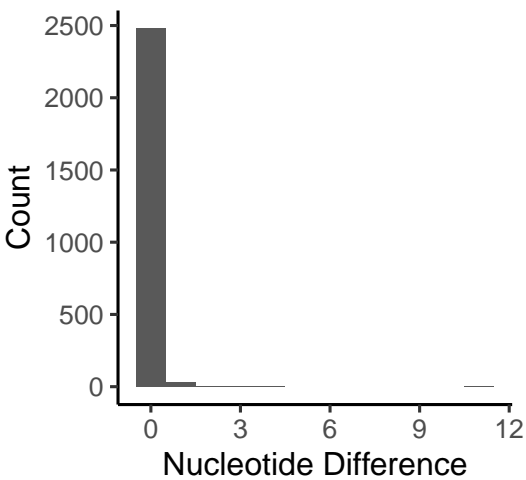
TRBV24–1*ap01

2741 sequences assigned
2695 (98.3%) exact matches, in which:
2644 unique CDR3
14 unique J



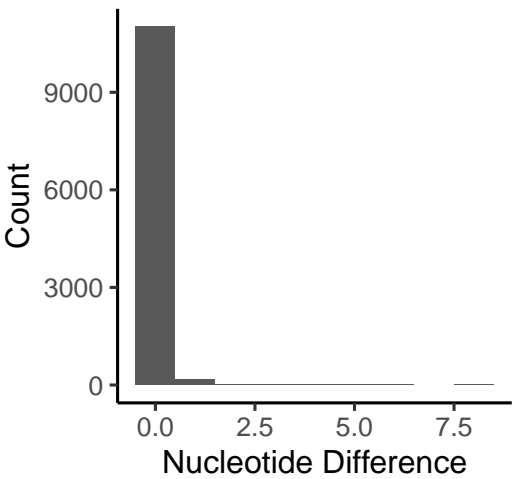
TRBV25–1*ap01

2523 sequences assigned
2480 (98.3%) exact matches, in which:
2443 unique CDR3
14 unique J



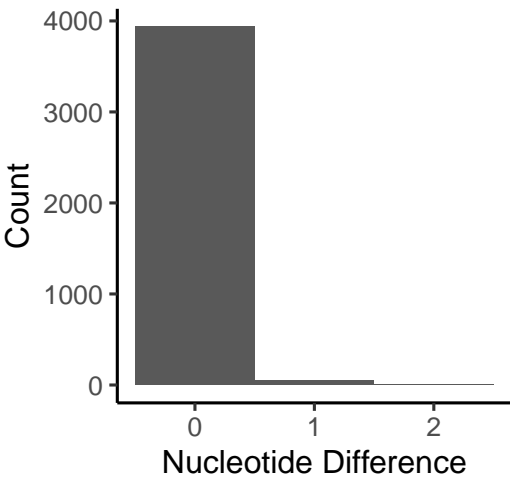
TRBV3–12*ap01

11193 sequences assigned
11016 (98.4%) exact matches, in which:
10892 unique CDR3
14 unique J



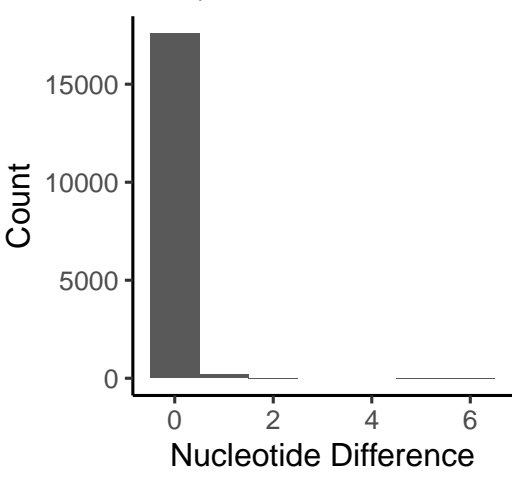
TRBV4–2*ap01

3990 sequences assigned
3936 (98.6%) exact matches, in which:
3880 unique CDR3
14 unique J



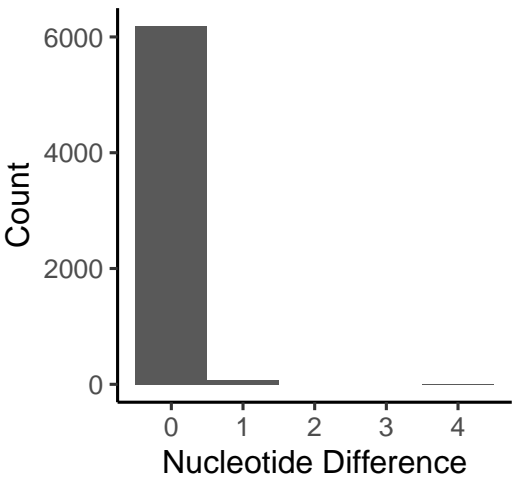
TRBV5–1*ap01

17797 sequences assigned
17588 (98.8%) exact matches, in which:
17293 unique CDR3
14 unique J



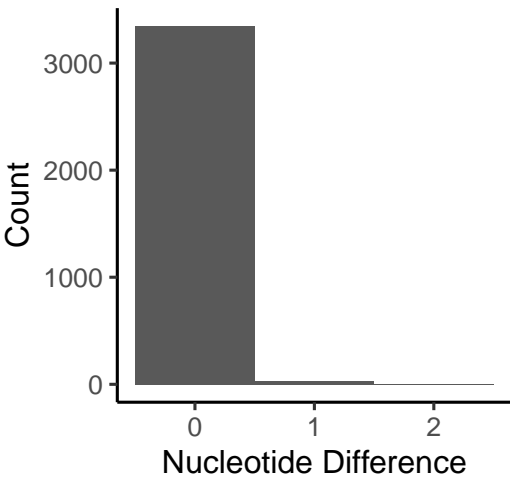
TRBV4–1*ap01

6261 sequences assigned
6188 (98.8%) exact matches, in which:
6124 unique CDR3
14 unique J



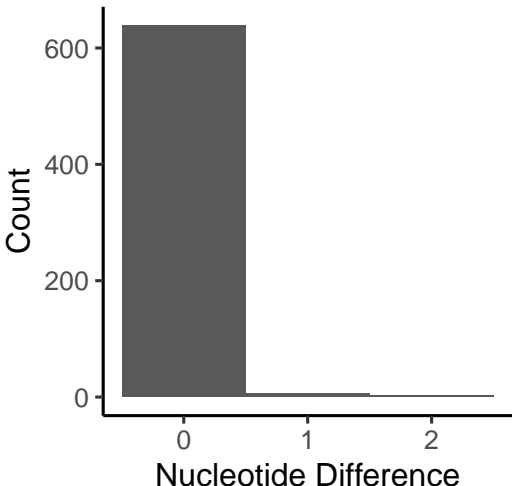
TRBV4–3*ap01

3377 sequences assigned
3346 (99.1%) exact matches, in which:
3302 unique CDR3
14 unique J



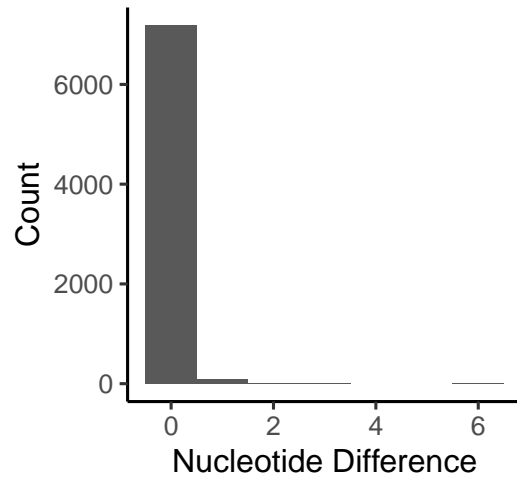
TRBV5–3*ap01

648 sequences assigned
639 (98.6%) exact matches, in which:
629 unique CDR3
14 unique J



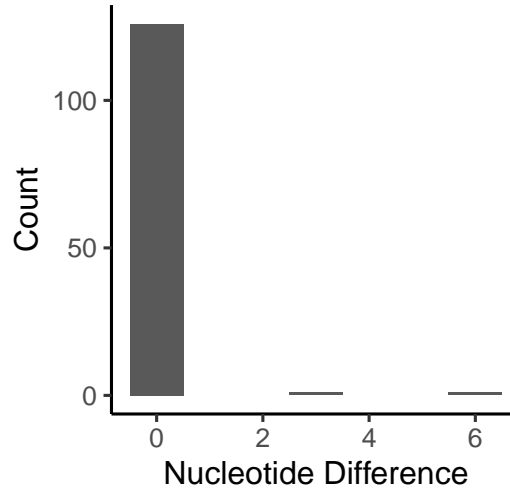
TRBV5-4*ap01

7269 sequences assigned
7183 (98.8%) exact matches, in which:
7076 unique CDR3
14 unique J



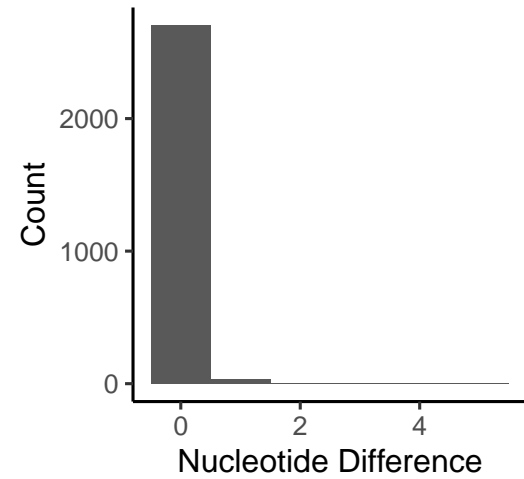
TRBV5-7*ap01

128 sequences assigned
126 (98.4%) exact matches, in which:
123 unique CDR3
13 unique J



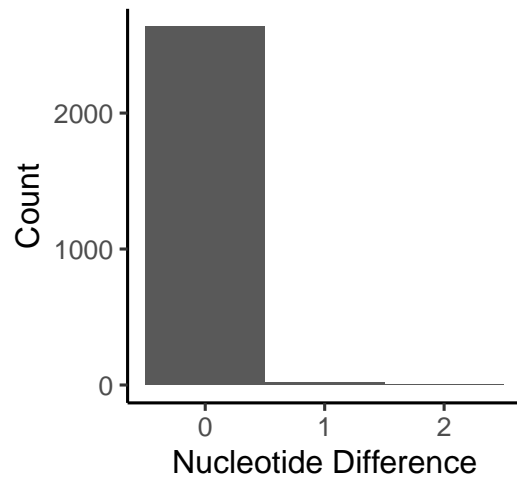
TRBV6-4*ap01

2744 sequences assigned
2703 (98.5%) exact matches, in which:
2658 unique CDR3
14 unique J



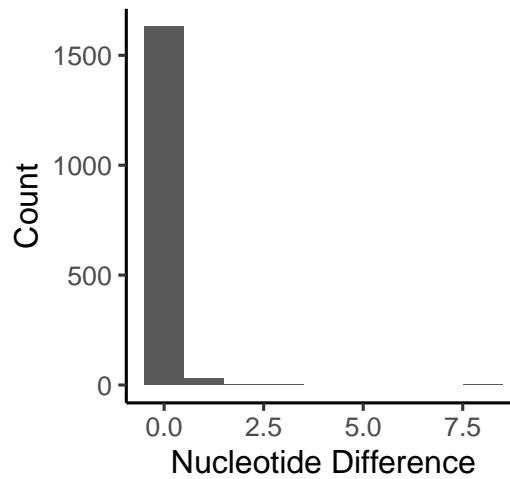
TRBV5-5*ap01

2656 sequences assigned
2635 (99.2%) exact matches, in which:
2607 unique CDR3
14 unique J



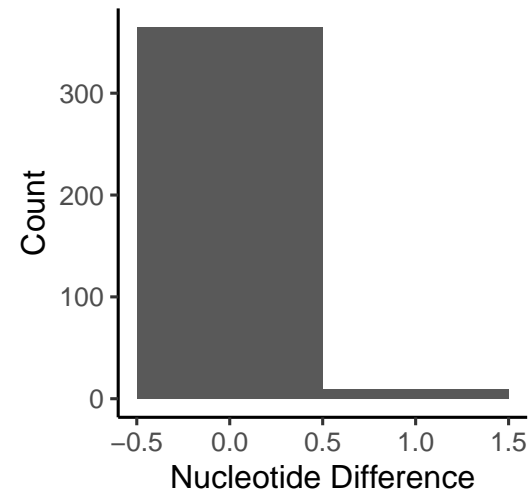
TRBV5-8*ap01

1663 sequences assigned
1630 (98%) exact matches, in which:
1603 unique CDR3
14 unique J



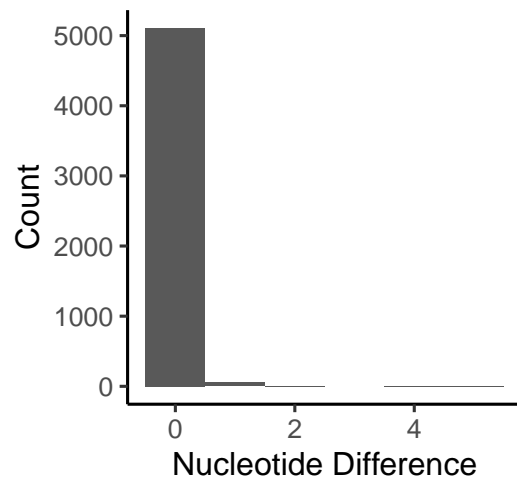
TRBV6-7*ap01

374 sequences assigned
365 (97.6%) exact matches, in which:
360 unique CDR3
14 unique J



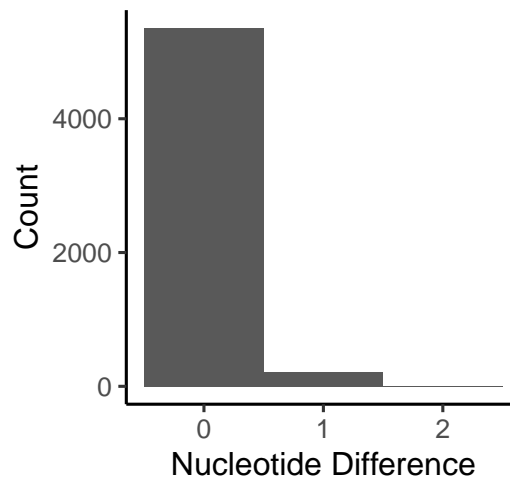
TRBV5-6*ap01

5171 sequences assigned
5108 (98.8%) exact matches, in which:
4986 unique CDR3
14 unique J



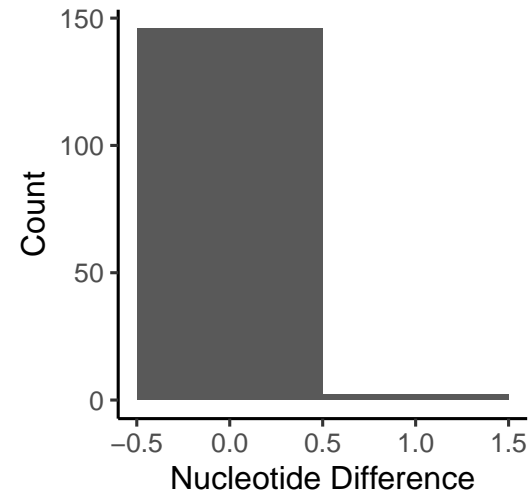
TRBV6-1*ap01

5575 sequences assigned
5356 (96.1%) exact matches, in which:
5261 unique CDR3
14 unique J



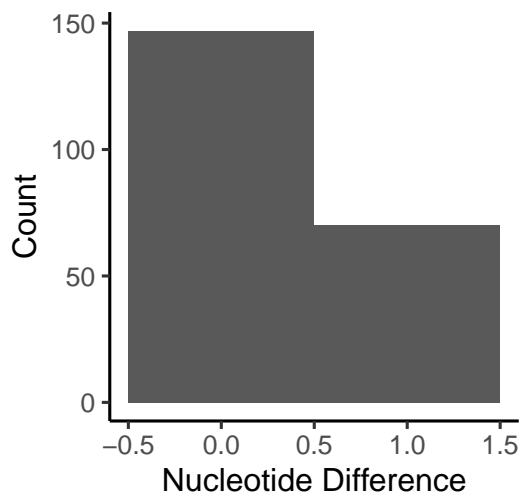
TRBV6-8*ap01

148 sequences assigned
146 (98.6%) exact matches, in which:
144 unique CDR3
13 unique J



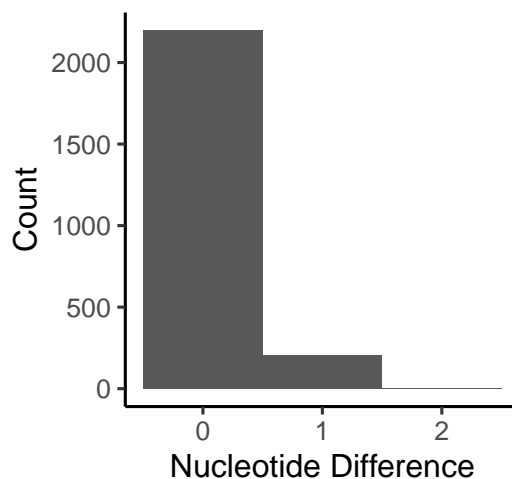
TRBV6-9*ap01

217 sequences assigned
147 (67.7%) exact matches, in which:
146 unique CDR3
14 unique J



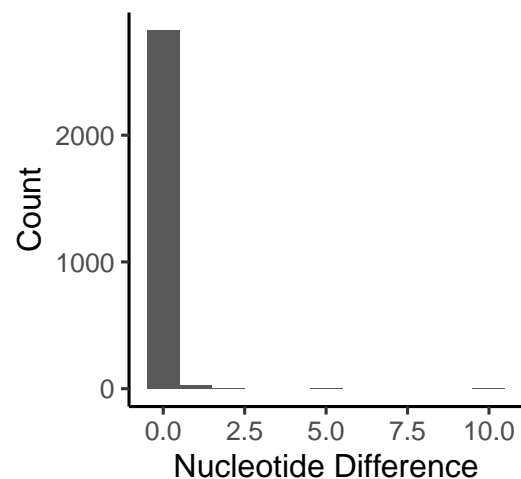
TRBV6-56*ap02

2405 sequences assigned
2197 (91.4%) exact matches, in which:
2152 unique CDR3
14 unique J



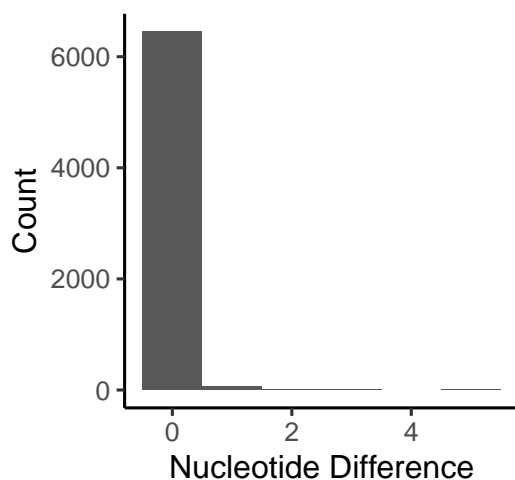
TRBV7-3*ap01

2855 sequences assigned
2827 (99%) exact matches, in which:
2780 unique CDR3
14 unique J



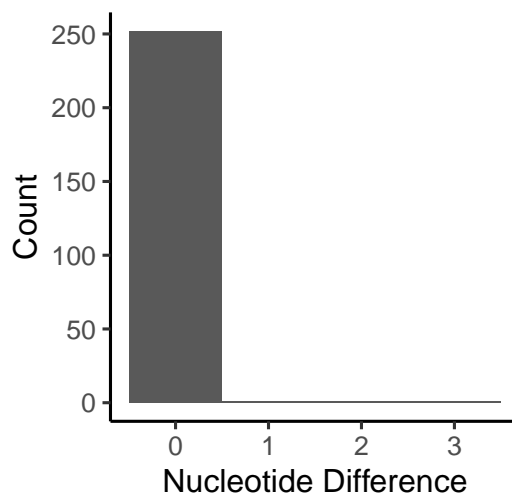
TRBV6-23*ap01

6530 sequences assigned
6450 (98.8%) exact matches, in which:
6328 unique CDR3
14 unique J



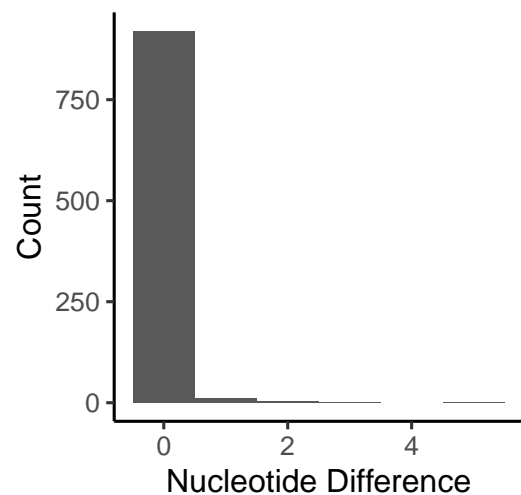
TRBV7-1*ap01_G291C_

255 sequences assigned
252 (98.8%) exact matches, in which:
248 unique CDR3
14 unique J



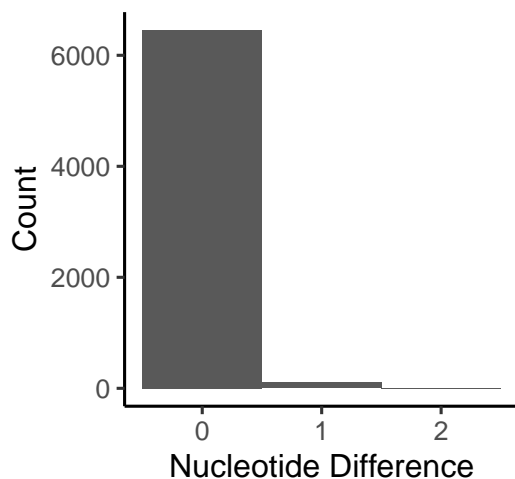
TRBV7-3*ap03

936 sequences assigned
920 (98.3%) exact matches, in which:
904 unique CDR3
14 unique J



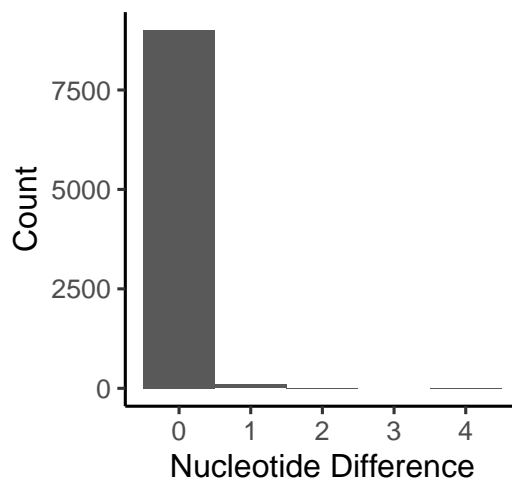
TRBV6-56*ap01

6559 sequences assigned
6455 (98.4%) exact matches, in which:
6352 unique CDR3
14 unique J



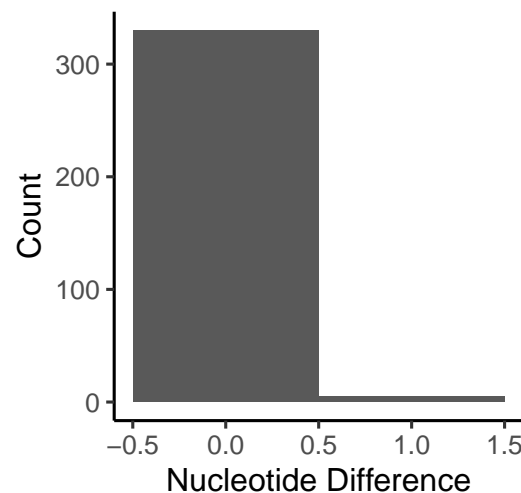
TRBV7-2*ap01

9101 sequences assigned
9006 (99%) exact matches, in which:
8861 unique CDR3
14 unique J



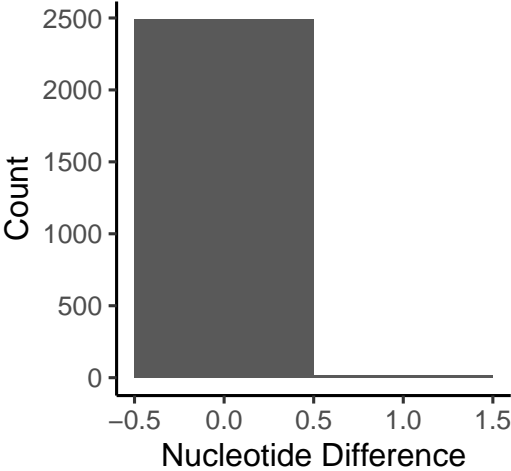
TRBV7-4*ap01

335 sequences assigned
330 (98.5%) exact matches, in which:
320 unique CDR3
14 unique J



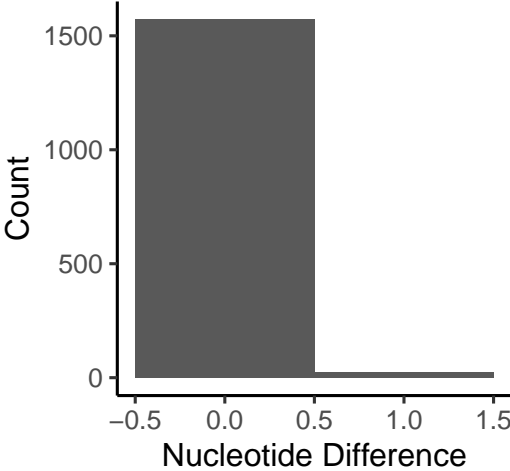
TRBV7-6*ap01

2505 sequences assigned
2490 (99.4%) exact matches, in which:
2445 unique CDR3
14 unique J



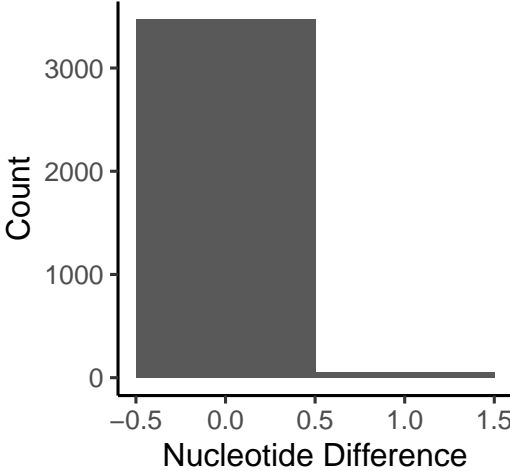
TRBV7-8*ap02

1596 sequences assigned
1572 (98.5%) exact matches, in which:
1557 unique CDR3
14 unique J



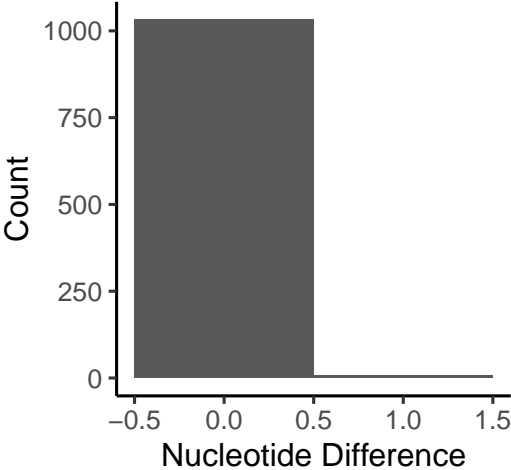
TRBV29-1*ap01

3526 sequences assigned
3471 (98.4%) exact matches, in which:
3429 unique CDR3
14 unique J



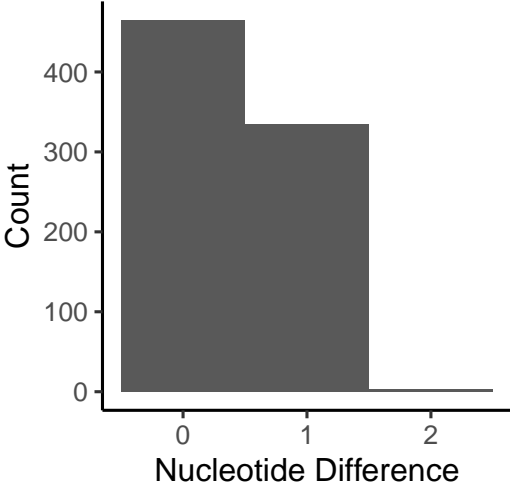
TRBV7-7*ap01

1040 sequences assigned
1032 (99.2%) exact matches, in which:
1022 unique CDR3
14 unique J



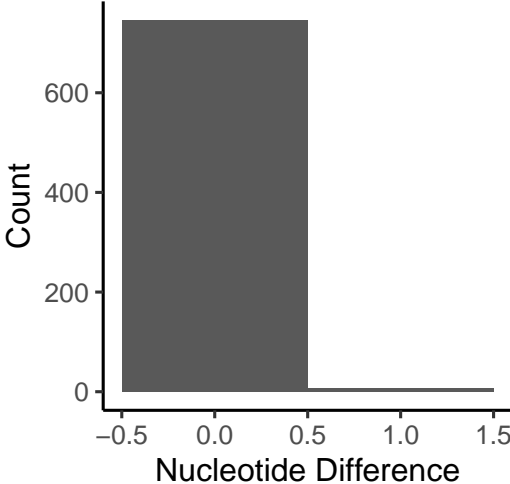
TRBV7-8*ap03

802 sequences assigned
465 (58%) exact matches, in which:
457 unique CDR3
14 unique J



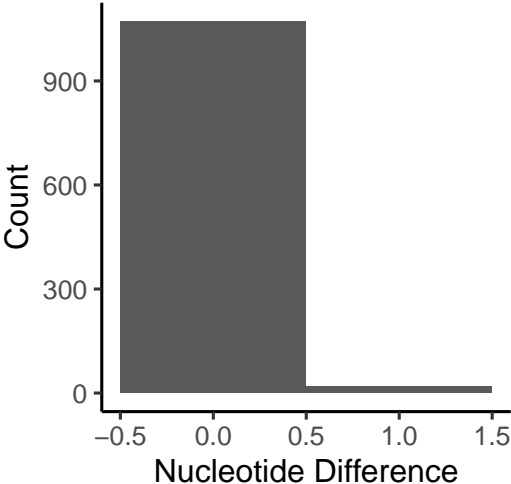
TRBV29-1*ap02

754 sequences assigned
746 (98.9%) exact matches, in which:
734 unique CDR3
14 unique J



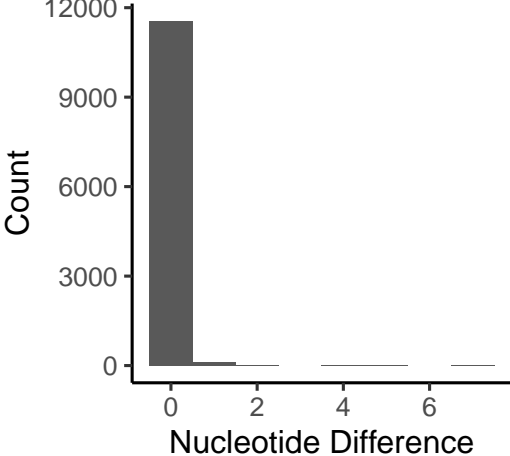
TRBV7-8*ap01

1090 sequences assigned
1072 (98.3%) exact matches, in which:
1048 unique CDR3
13 unique J

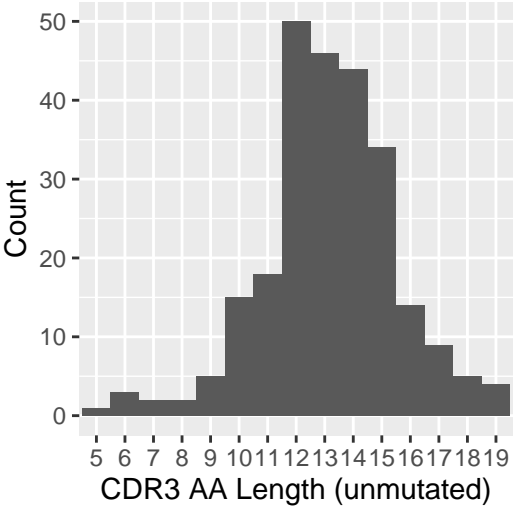


TRBV7-9*ap01

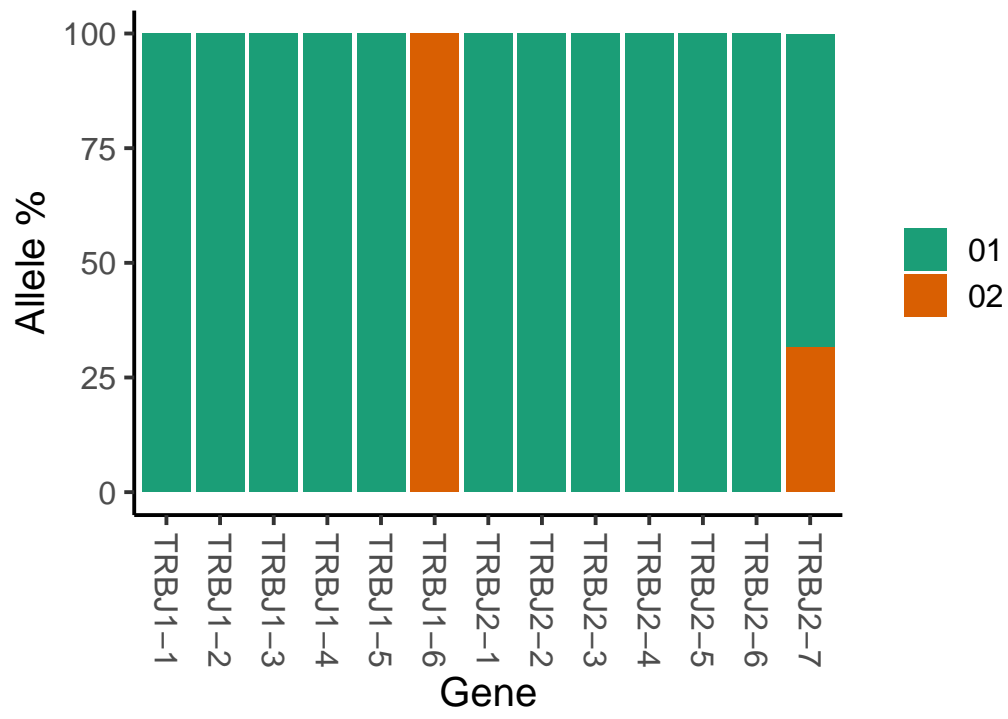
11668 sequences assigned
11560 (99.1%) exact matches, in which:
11428 unique CDR3
14 unique J



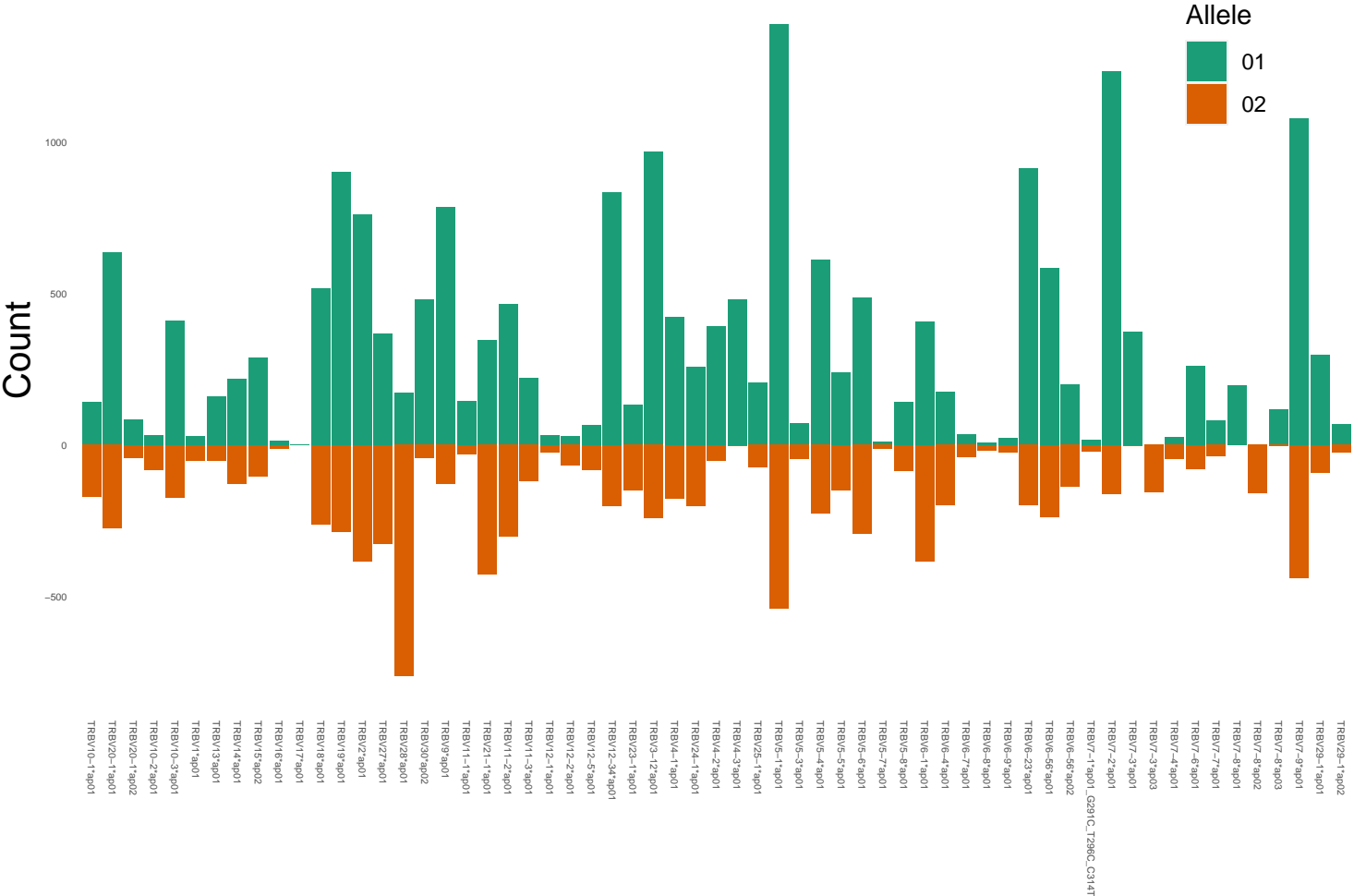
TRBV7-1*ap01_G291C_T296C_C314T



Allele Usage



Sequence Count by TRBJ2-7 allele usage



[illegible]