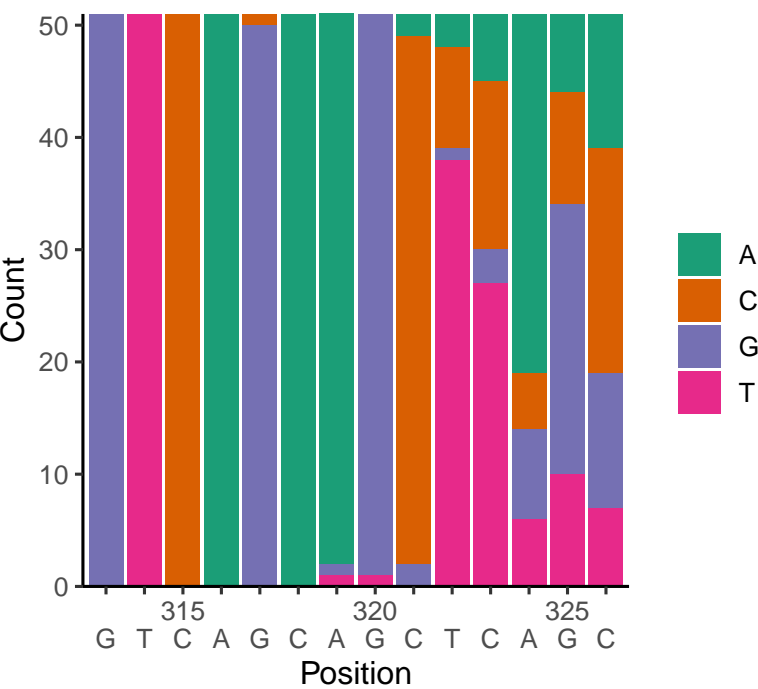
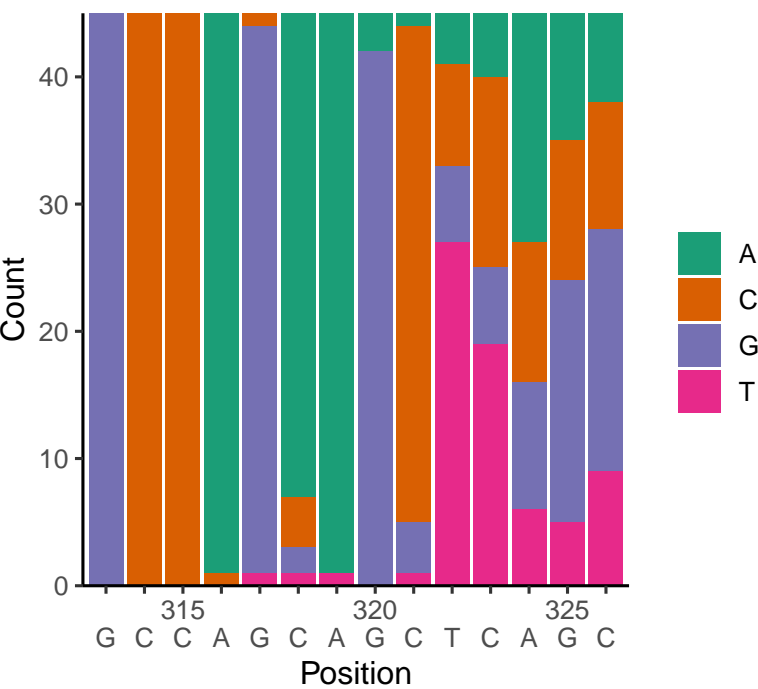


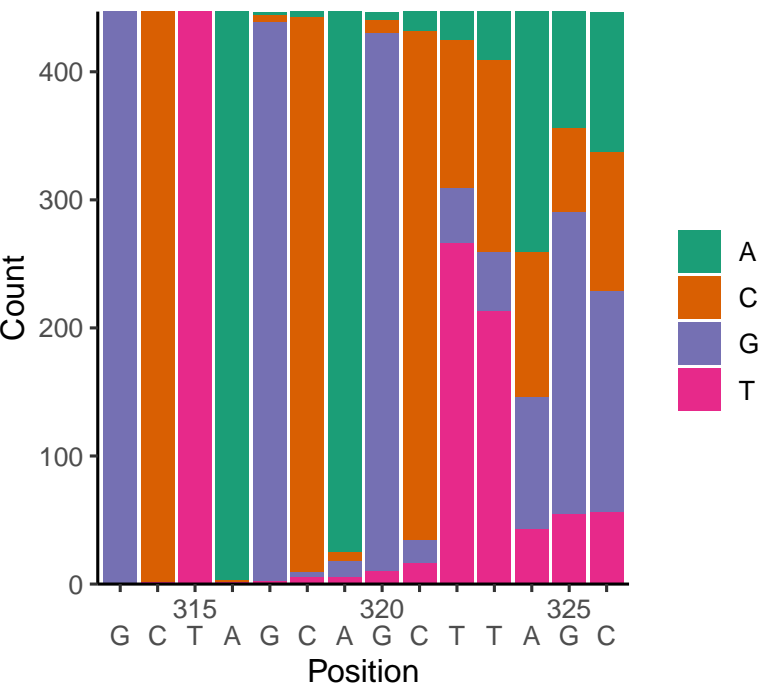
Gene TRBV7-1*ap01_G291C_T296C_C314T



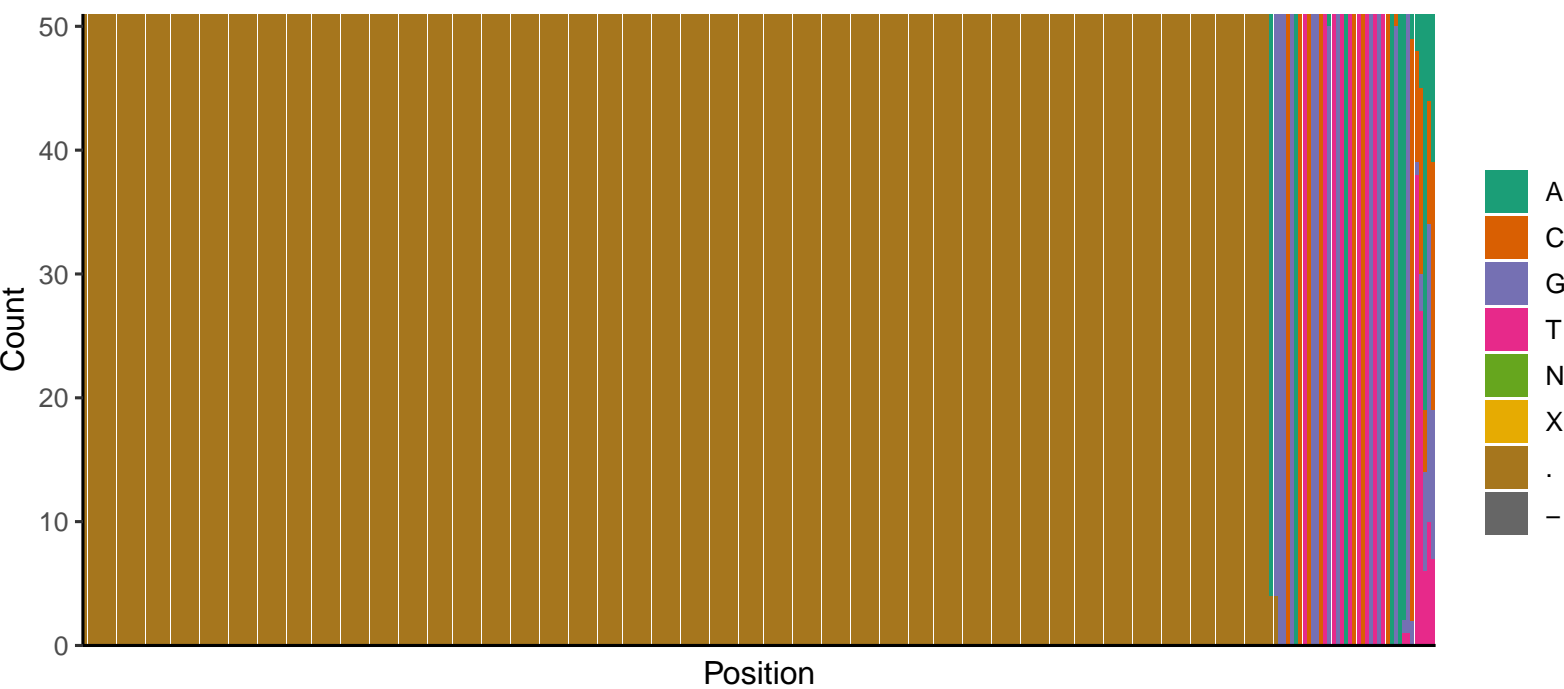
Gene TRBV7-1*ap01_G291C_T296C



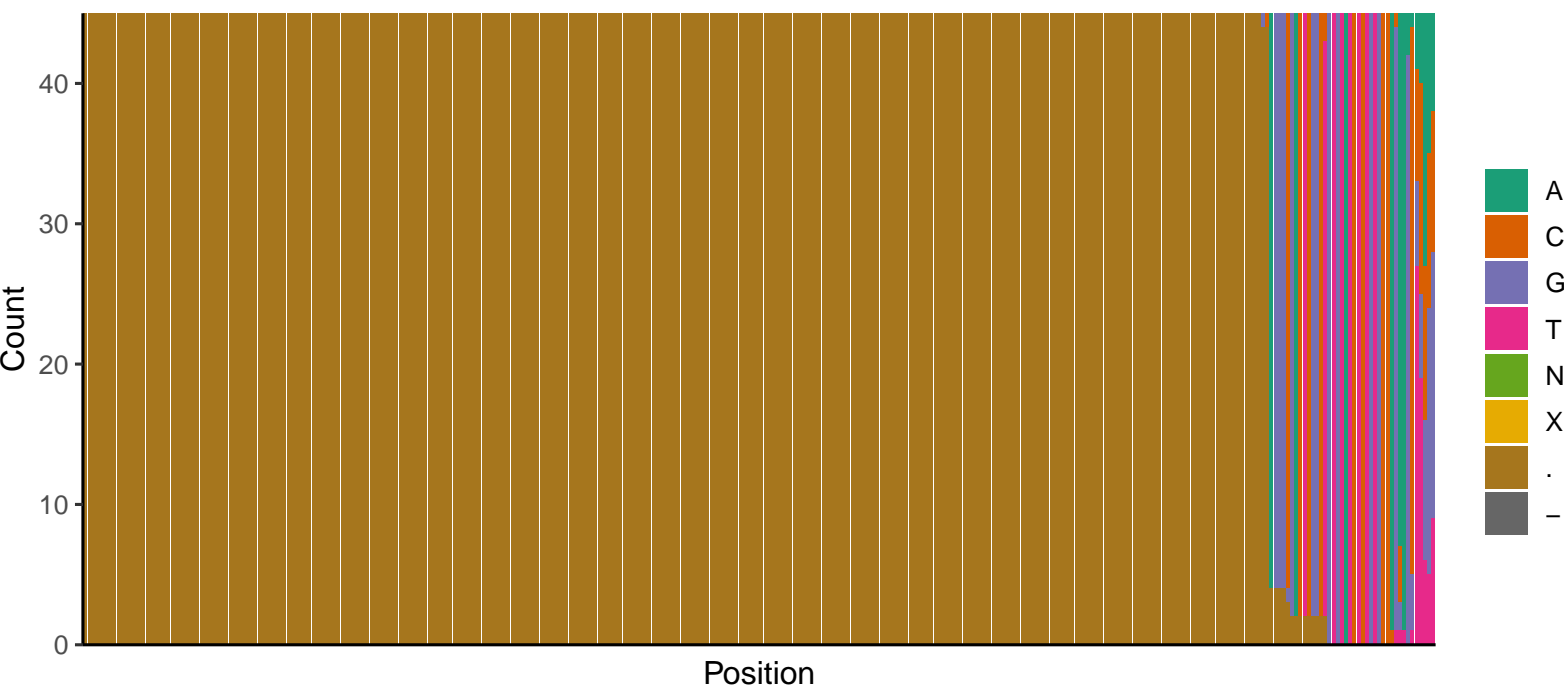
Gene TRBV7-7*ap01_C315T



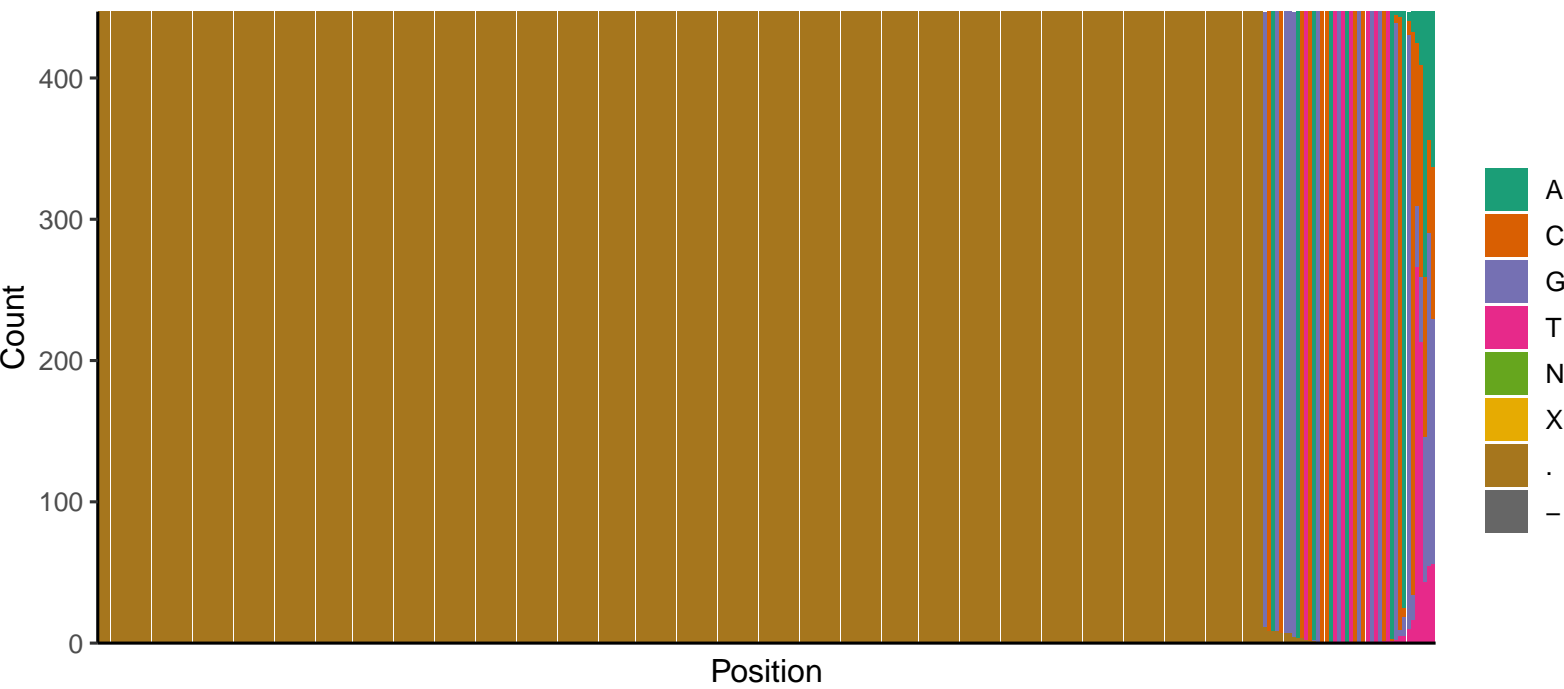
Gene TRBV7-1*ap01_G291C_T296C_C314T



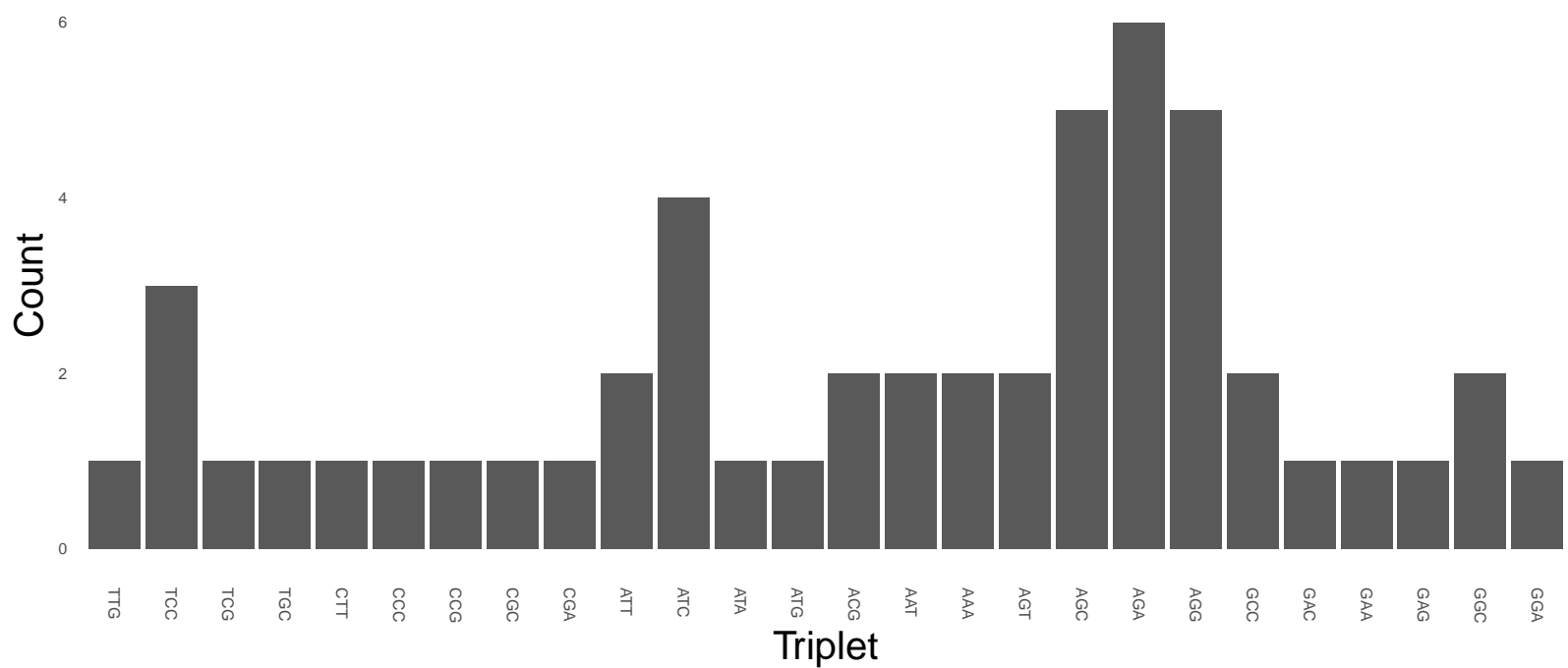
Gene TRBV7-1*ap01_G291C_T296C



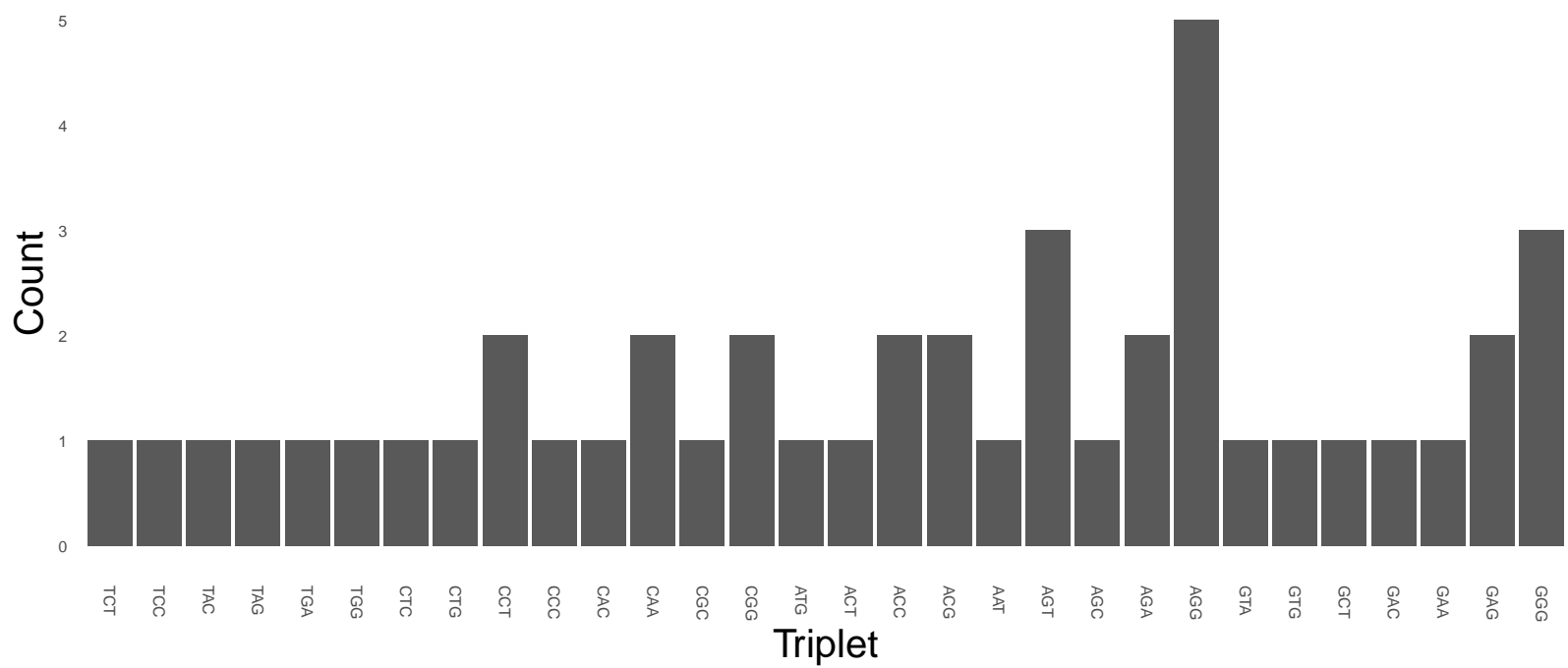
Gene TRBV7-7*ap01_C315T



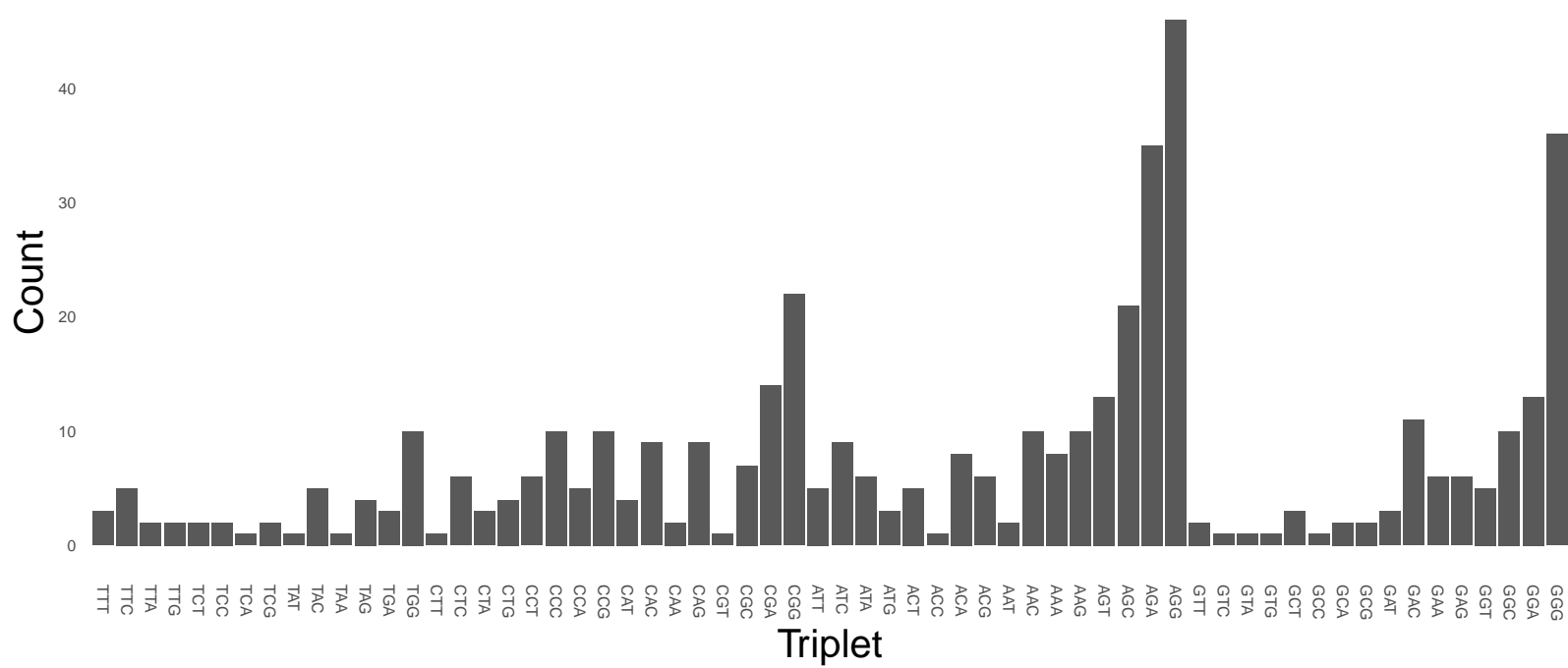
TRBV7-1*ap01_G291C_T296C_C314T- Final 3 nucleotides as a triplet



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

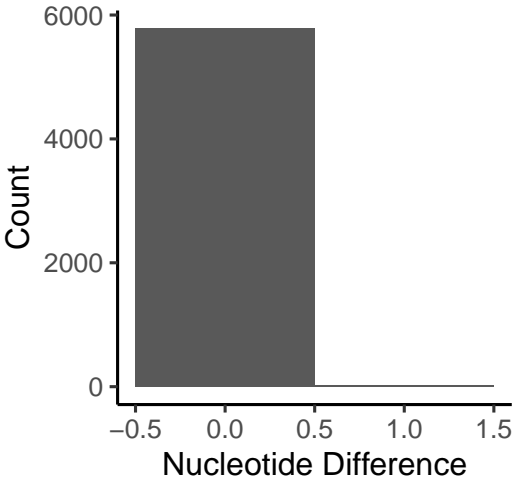


TRBV7-7*ap01_C315T- Final 3 nucleotides as a triplet



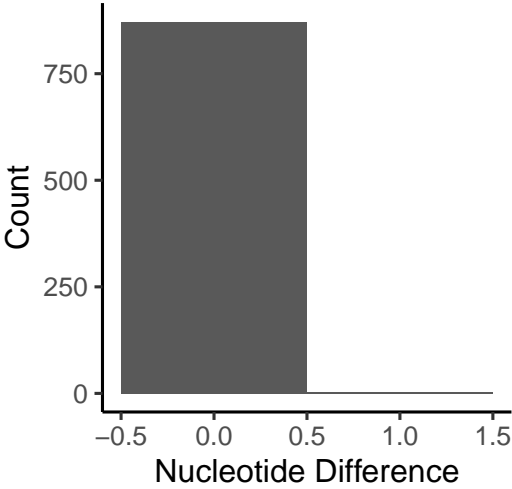
TRBV20-1*ap01

5815 sequences assigned
5784 (99.5%) exact matches, in which:
5756 unique CDR3
13 unique J



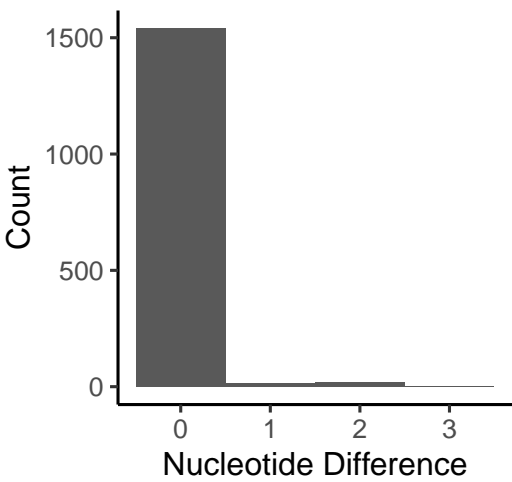
TRBV10-2*ap01

876 sequences assigned
872 (99.5%) exact matches, in which:
870 unique CDR3
13 unique J



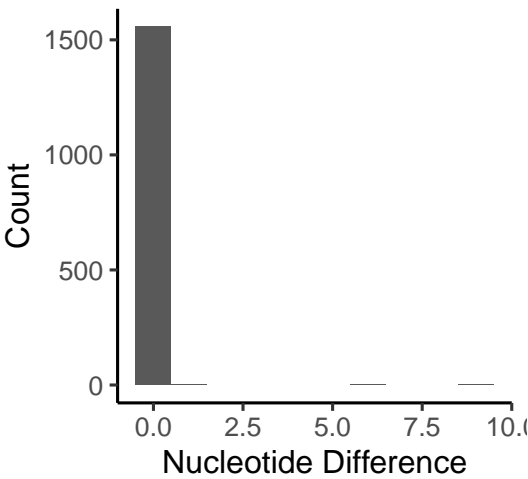
TRBV13*ap01

1579 sequences assigned
1540 (97.5%) exact matches, in which:
1531 unique CDR3
13 unique J



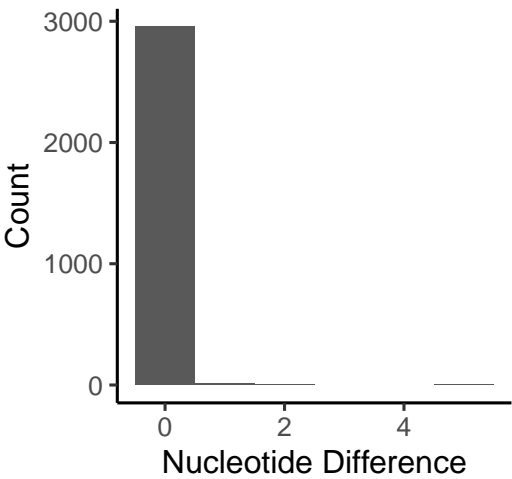
TRBV10-1*ap01

1563 sequences assigned
1557 (99.6%) exact matches, in which:
1552 unique CDR3
13 unique J



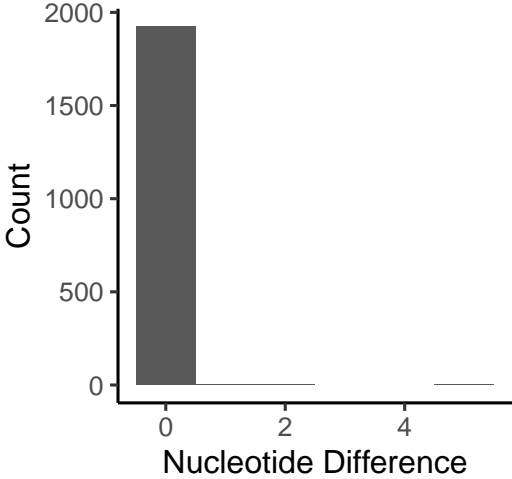
TRBV10-3*ap01

2970 sequences assigned
2955 (99.5%) exact matches, in which:
2937 unique CDR3
13 unique J



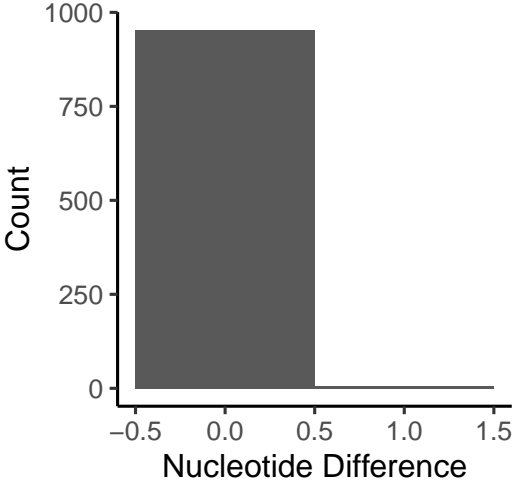
TRBV14*ap01

1927 sequences assigned
1923 (99.8%) exact matches, in which:
1921 unique CDR3
13 unique J



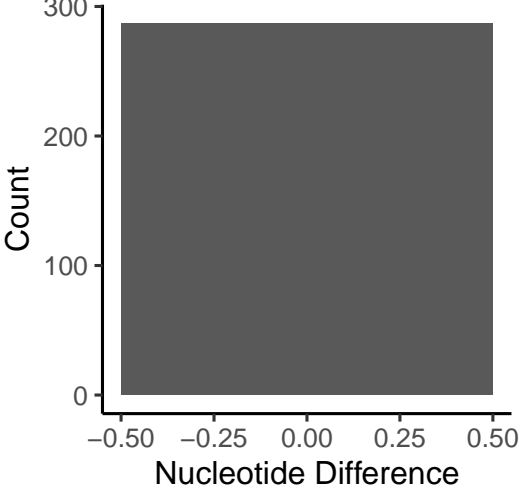
TRBV20-1*ap02

959 sequences assigned
953 (99.4%) exact matches, in which:
951 unique CDR3
13 unique J



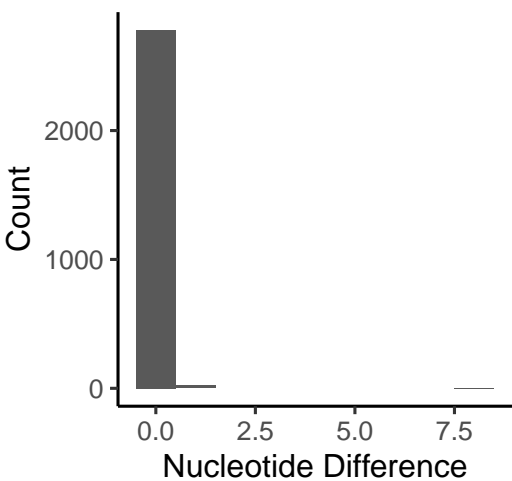
TRBV1*ap01

287 sequences assigned
287 (100%) exact matches, in which:
285 unique CDR3
13 unique J



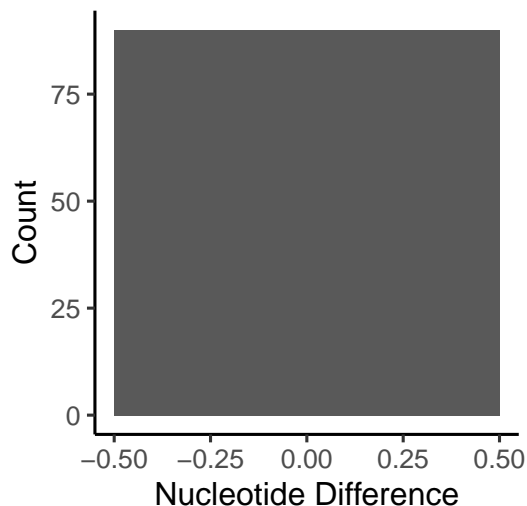
TRBV15*ap02

2802 sequences assigned
2780 (99.2%) exact matches, in which:
2767 unique CDR3
13 unique J



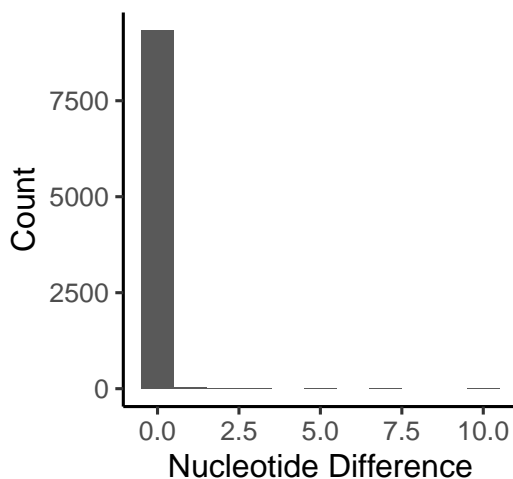
TRBV16*ap01

90 sequences assigned
90 (100%) exact matches, in which:
90 unique CDR3
12 unique J



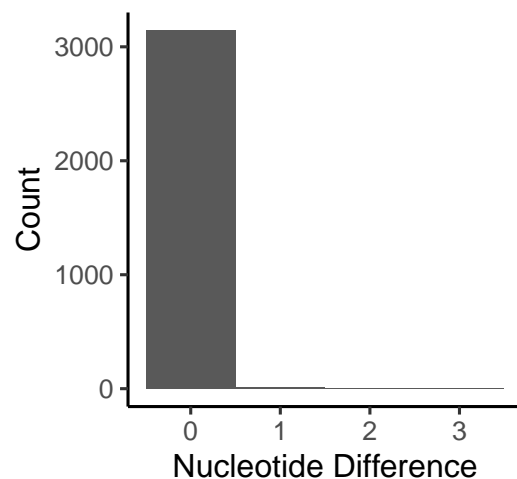
TRBV19*ap01

9378 sequences assigned
9332 (99.5%) exact matches, in which:
9322 unique CDR3
13 unique J



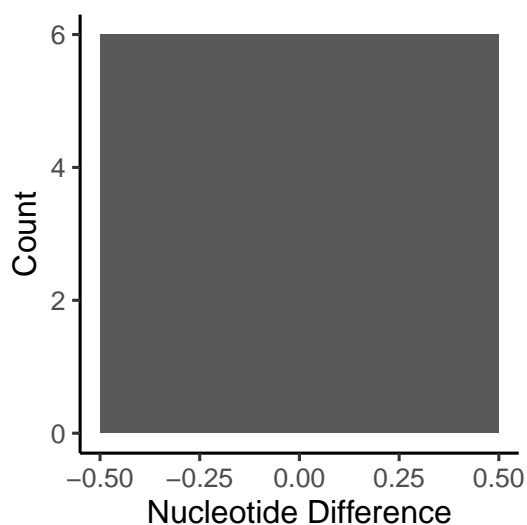
TRBV28*ap01

3162 sequences assigned
3144 (99.4%) exact matches, in which:
3134 unique CDR3
13 unique J



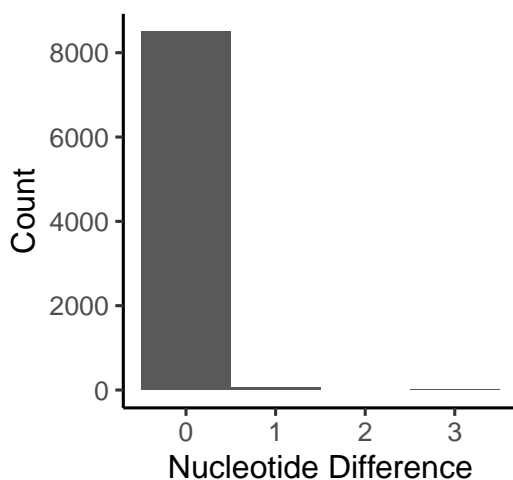
TRBV17*ap01

6 sequences assigned
6 (100%) exact matches, in which:
6 unique CDR3
3 unique J



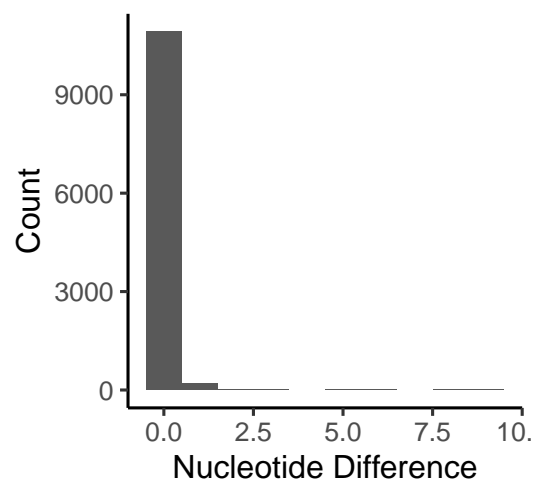
TRBV2*ap01

8553 sequences assigned
8498 (99.4%) exact matches, in which:
8435 unique CDR3
13 unique J



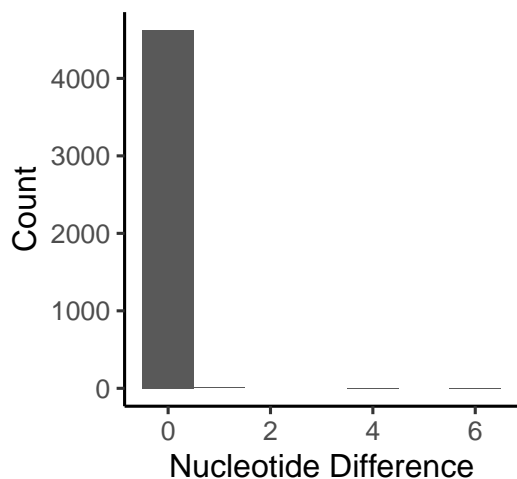
TRBV30*ap01

11126 sequences assigned
10921 (98.2%) exact matches, in which:
10748 unique CDR3
13 unique J



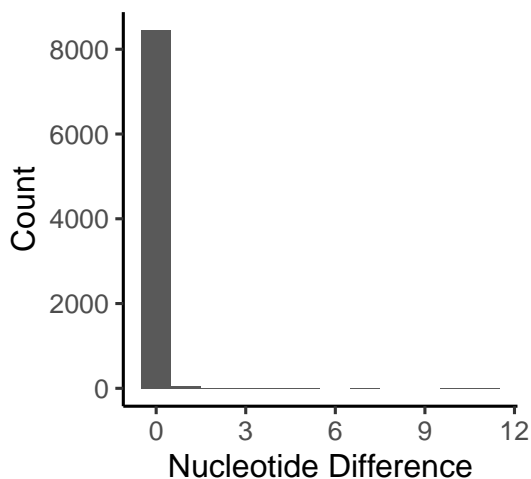
TRBV18*ap01

4635 sequences assigned
4624 (99.8%) exact matches, in which:
4622 unique CDR3
13 unique J



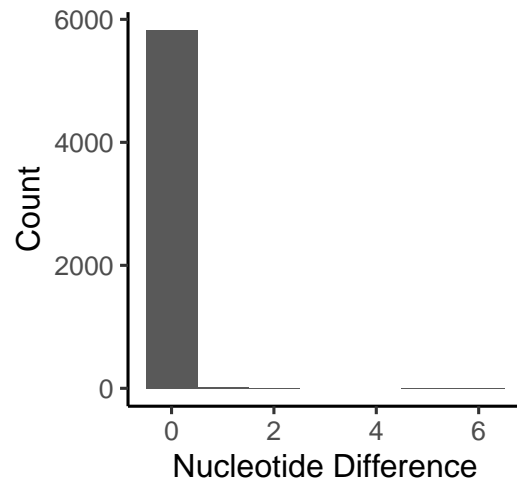
TRBV27*ap01

8528 sequences assigned
8453 (99.1%) exact matches, in which:
8407 unique CDR3
13 unique J



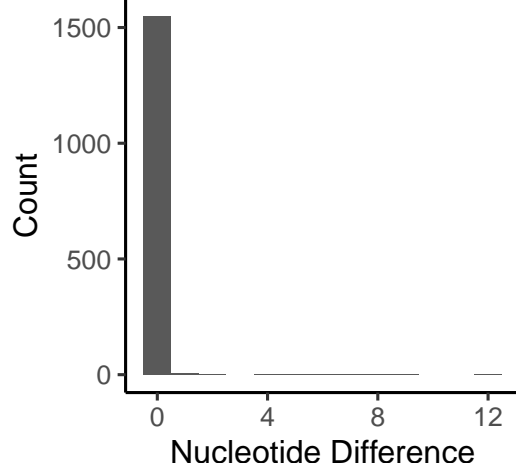
TRBV9*ap01

5851 sequences assigned
5826 (99.6%) exact matches, in which:
5814 unique CDR3
13 unique J



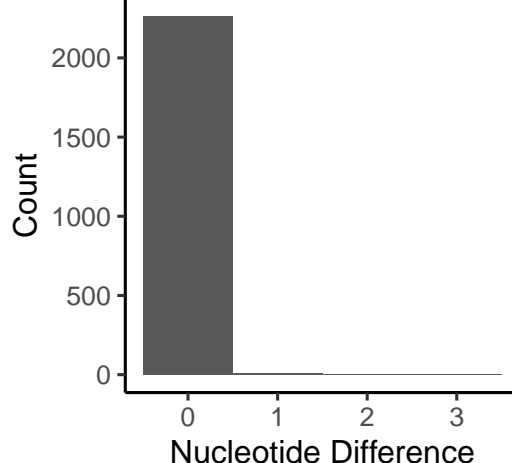
TRBV21-1*ap01

1566 sequences assigned
1548 (98.9%) exact matches, in which:
1543 unique CDR3
13 unique J



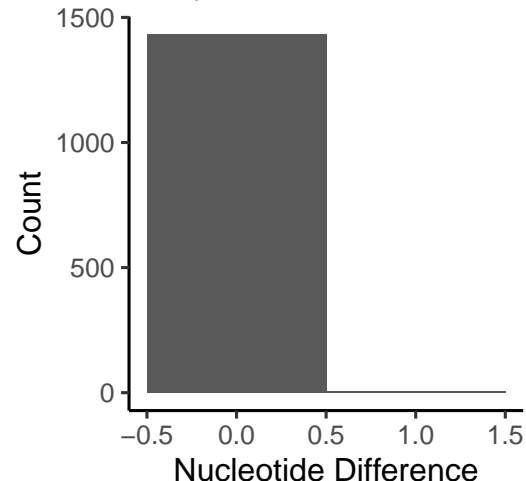
TRBV11-3*ap01

2275 sequences assigned
2262 (99.4%) exact matches, in which:
2256 unique CDR3
13 unique J



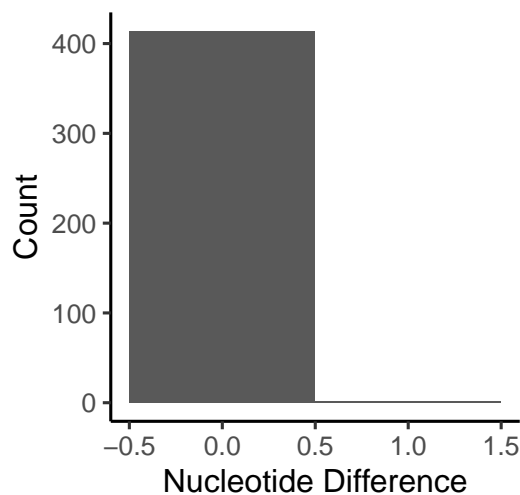
TRBV12-5*ap01

1437 sequences assigned
1432 (99.7%) exact matches, in which:
1425 unique CDR3
13 unique J



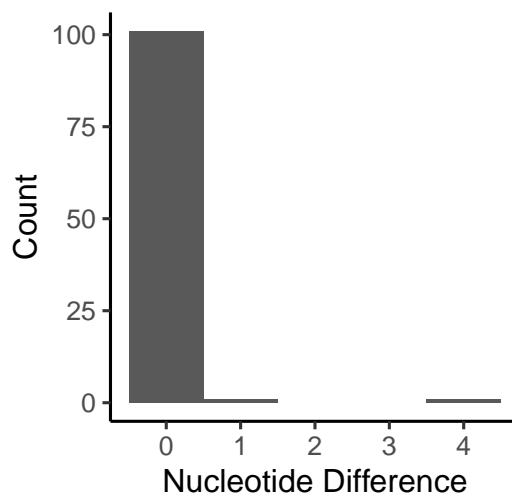
TRBV11-1*ap01

416 sequences assigned
414 (99.5%) exact matches, in which:
411 unique CDR3
13 unique J



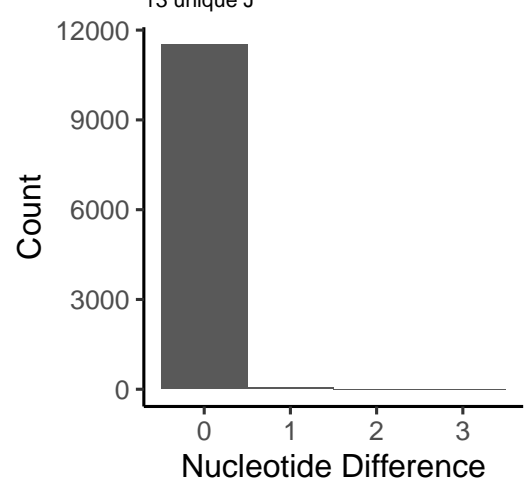
TRBV12-1*ap01

103 sequences assigned
101 (98.1%) exact matches, in which:
101 unique CDR3
13 unique J



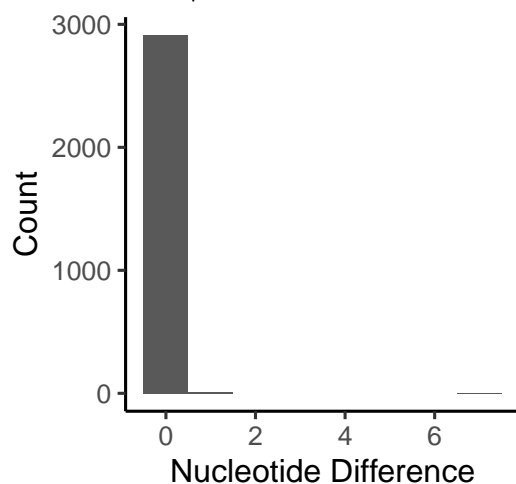
TRBV12-34*ap01

11589 sequences assigned
11520 (99.4%) exact matches, in which:
11468 unique CDR3
13 unique J



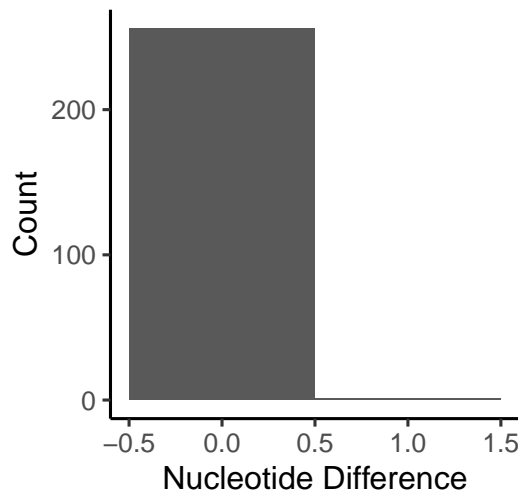
TRBV11-2*ap01

2923 sequences assigned
2913 (99.7%) exact matches, in which:
2903 unique CDR3
13 unique J



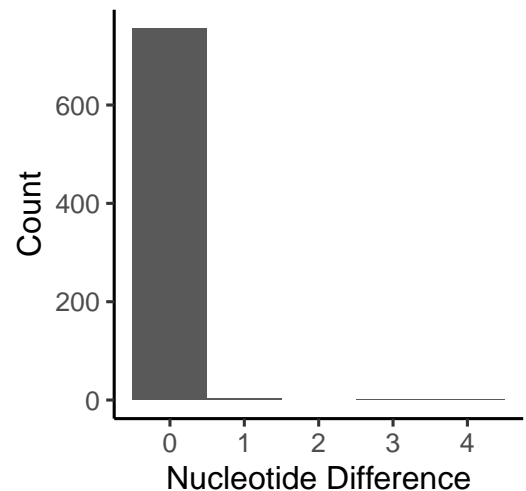
TRBV12-2*ap01

257 sequences assigned
256 (99.6%) exact matches, in which:
256 unique CDR3
13 unique J



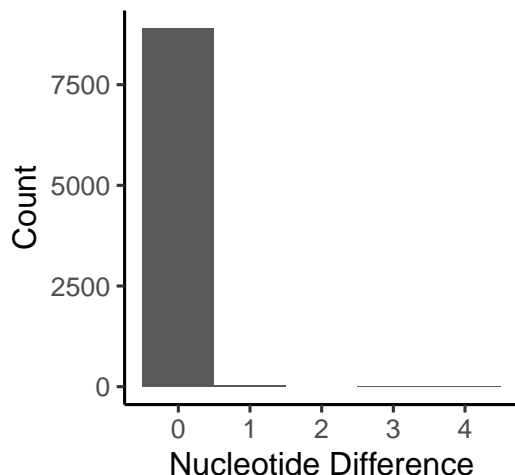
TRBV23-1*ap01

762 sequences assigned
756 (99.2%) exact matches, in which:
752 unique CDR3
13 unique J



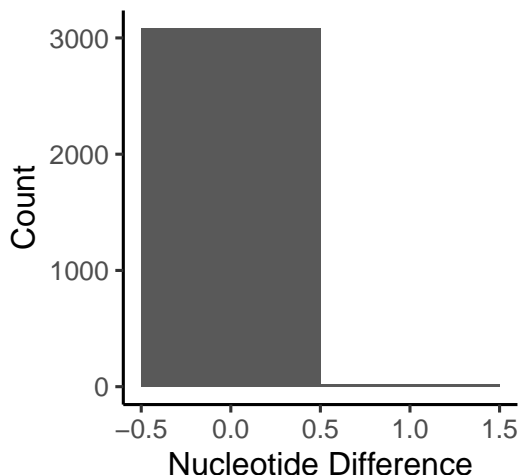
TRBV3-12*ap01

8949 sequences assigned
8898 (99.4%) exact matches, in which:
8855 unique CDR3
13 unique J



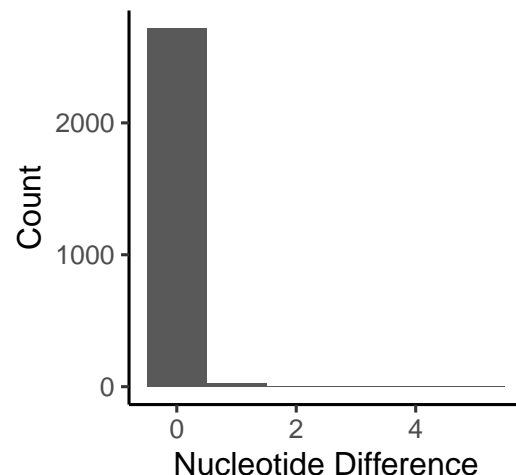
TRBV4-2*ap01

3103 sequences assigned
3082 (99.3%) exact matches, in which:
3061 unique CDR3
13 unique J



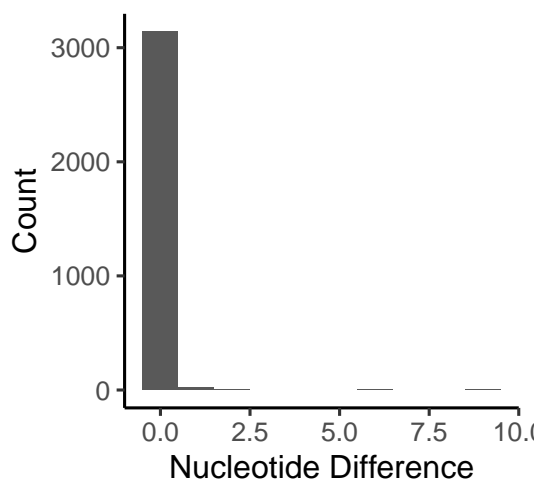
TRBV25-1*ap01

2749 sequences assigned
2716 (98.8%) exact matches, in which:
2684 unique CDR3
13 unique J



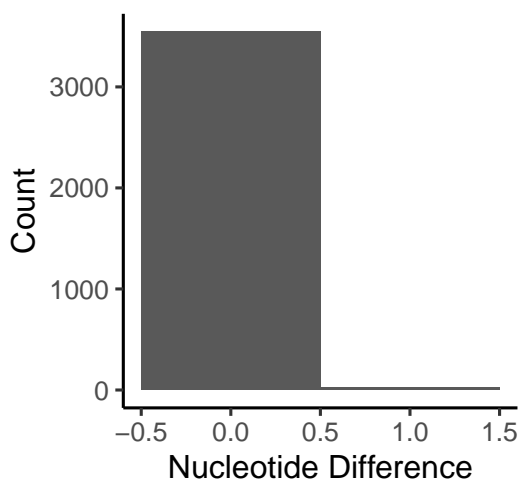
TRBV4-1*ap01

3171 sequences assigned
3140 (99%) exact matches, in which:
3110 unique CDR3
13 unique J



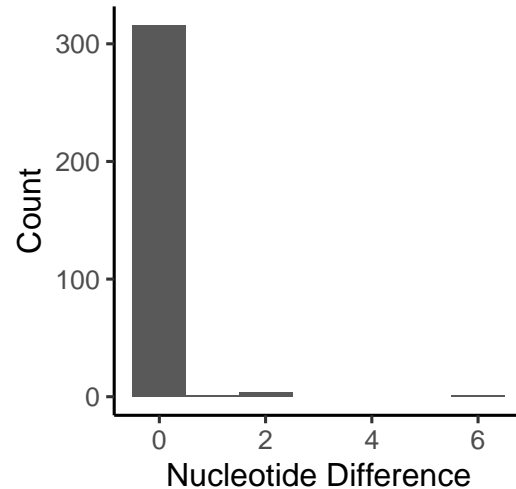
TRBV4-3*ap01

3566 sequences assigned
3546 (99.4%) exact matches, in which:
3518 unique CDR3
13 unique J



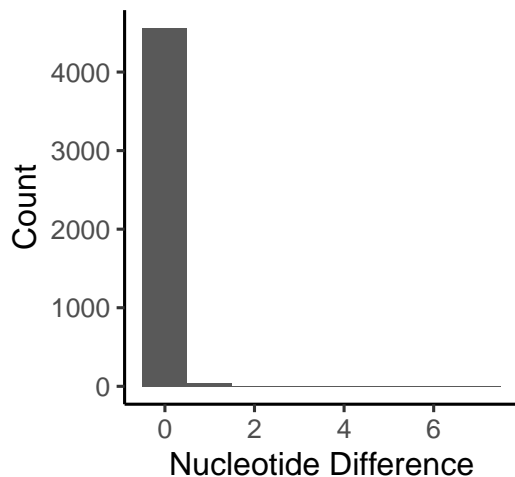
TRBV5-3*ap01

322 sequences assigned
316 (98.1%) exact matches, in which:
315 unique CDR3
13 unique J



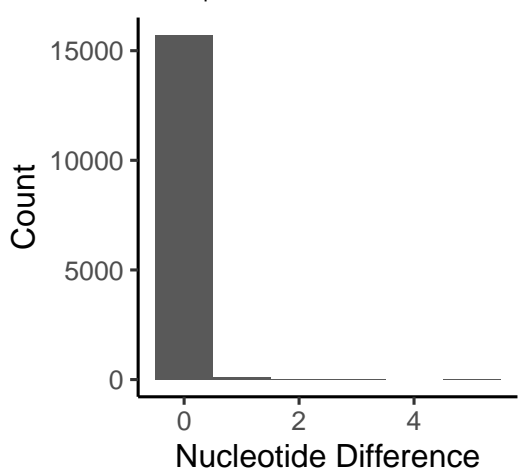
TRBV24-1*ap01

4614 sequences assigned
4560 (98.8%) exact matches, in which:
4531 unique CDR3
14 unique J



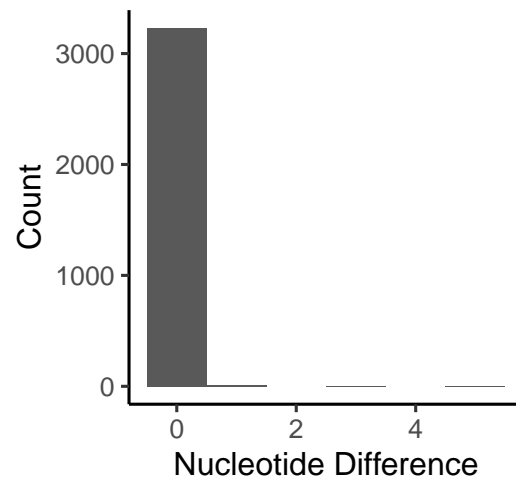
TRBV5-1*ap01

15851 sequences assigned
15725 (99.2%) exact matches, in which:
15593 unique CDR3
13 unique J



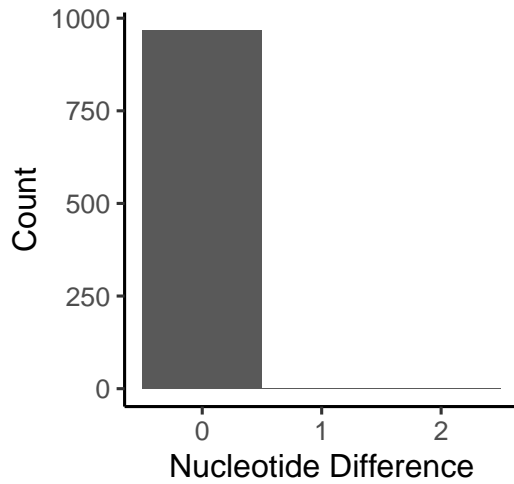
TRBV5-4*ap01

3246 sequences assigned
3230 (99.5%) exact matches, in which:
3214 unique CDR3
13 unique J



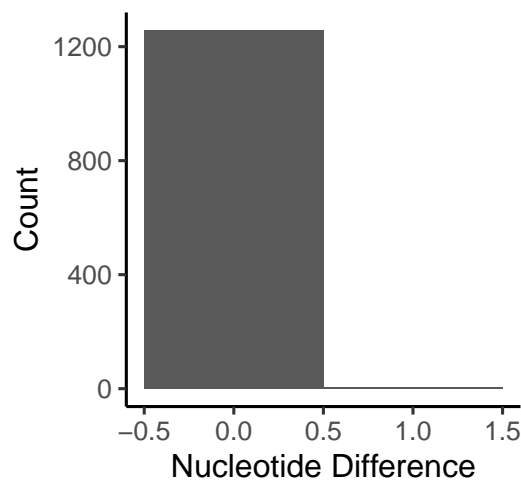
TRBV5-5*ap01

969 sequences assigned
967 (99.8%) exact matches, in which:
965 unique CDR3
13 unique J



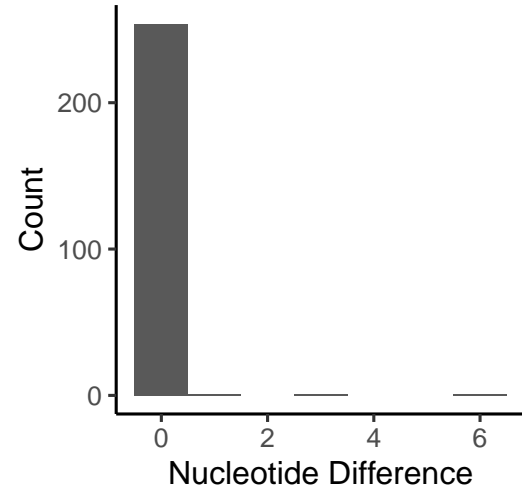
TRBV5-8*ap01

1262 sequences assigned
1257 (99.6%) exact matches, in which:
1257 unique CDR3
13 unique J



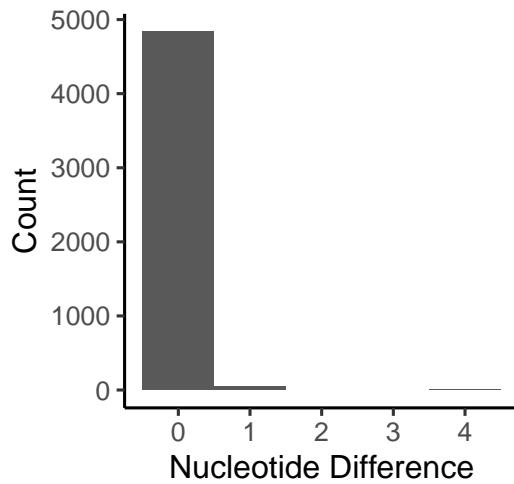
TRBV6-7*ap01

257 sequences assigned
254 (98.8%) exact matches, in which:
253 unique CDR3
13 unique J



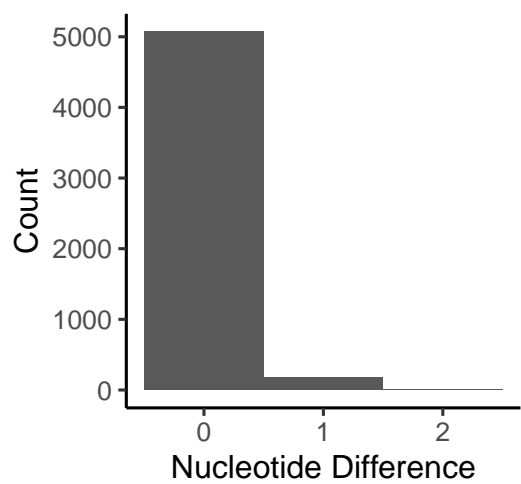
TRBV5-6*ap01

4882 sequences assigned
4836 (99.1%) exact matches, in which:
4778 unique CDR3
13 unique J



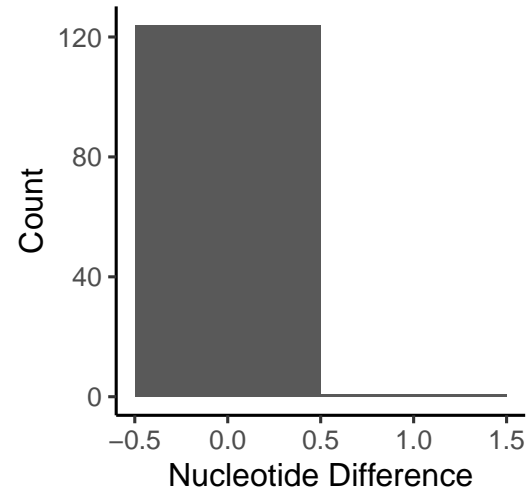
TRBV6-1*ap01

5252 sequences assigned
5071 (96.6%) exact matches, in which:
5019 unique CDR3
13 unique J



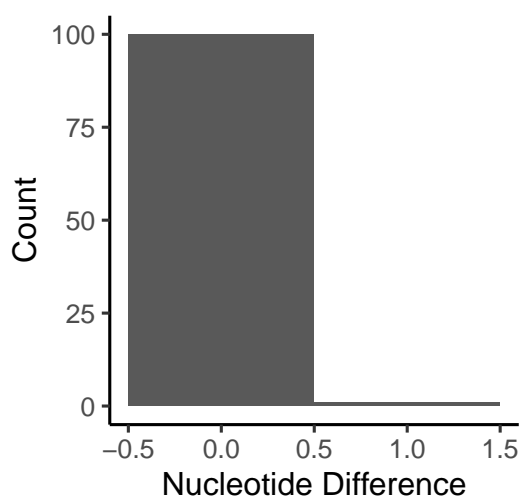
TRBV6-8*ap01

125 sequences assigned
124 (99.2%) exact matches, in which:
123 unique CDR3
13 unique J



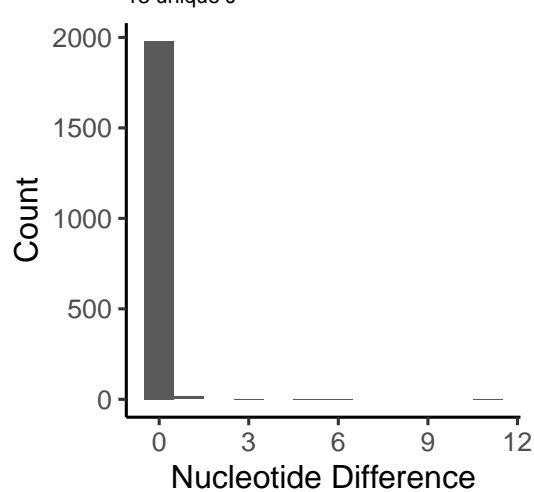
TRBV5-7*ap01

101 sequences assigned
100 (99%) exact matches, in which:
97 unique CDR3
13 unique J



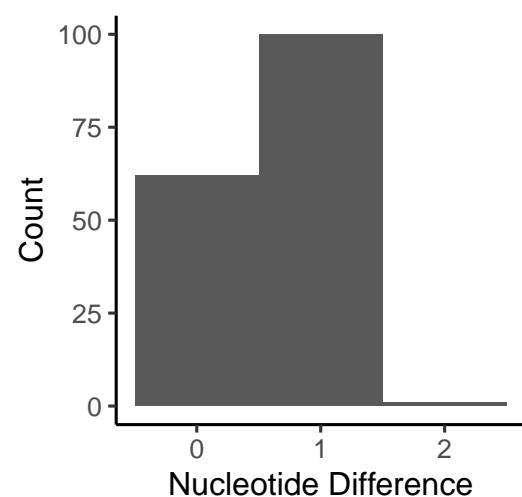
TRBV6-4*ap01

2000 sequences assigned
1980 (99%) exact matches, in which:
1975 unique CDR3
13 unique J



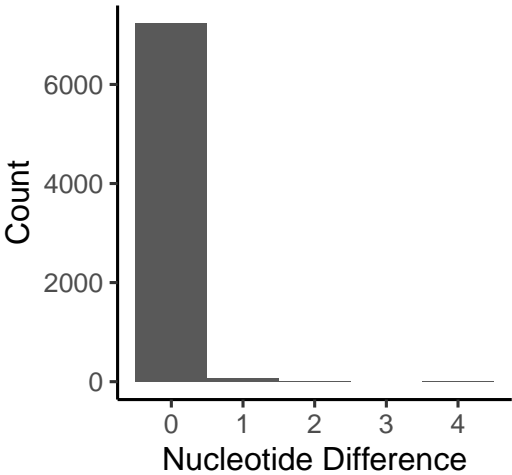
TRBV6-9*ap01

163 sequences assigned
62 (38%) exact matches, in which:
62 unique CDR3
13 unique J



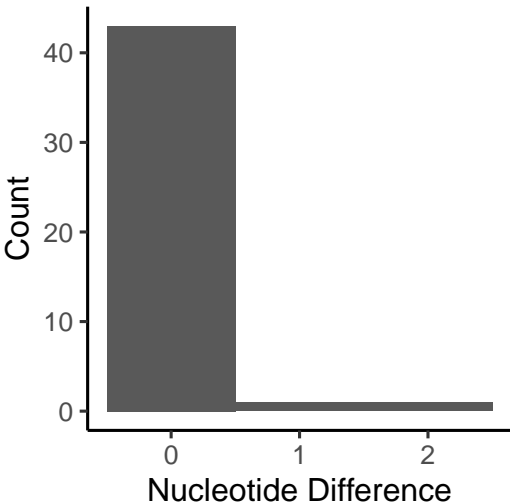
TRBV6-23*ap01

7303 sequences assigned
7232 (99%) exact matches, in which:
7166 unique CDR3
13 unique J



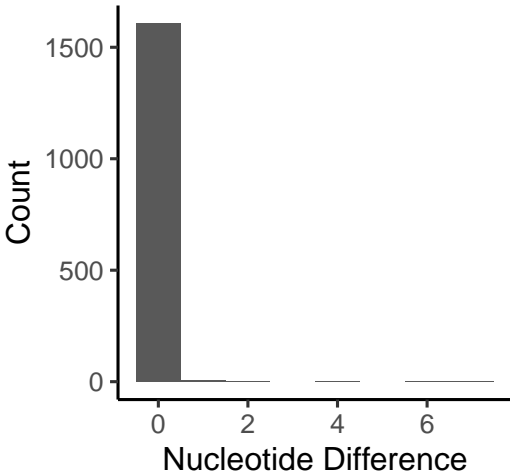
TRBV7-1*ap01_G291C_T

45 sequences assigned
43 (95.6%) exact matches, in which:
43 unique CDR3
9 unique J



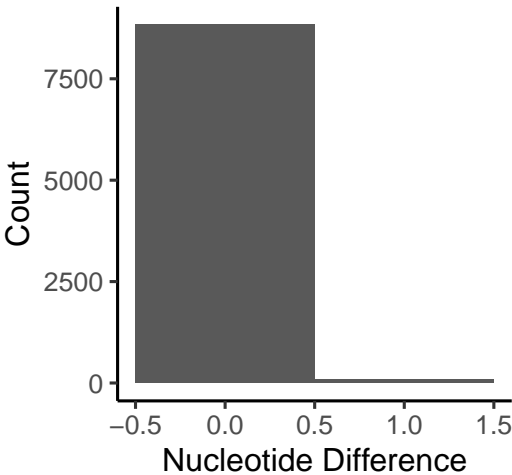
TRBV7-3*ap01

1620 sequences assigned
1607 (99.2%) exact matches, in which:
1602 unique CDR3
13 unique J



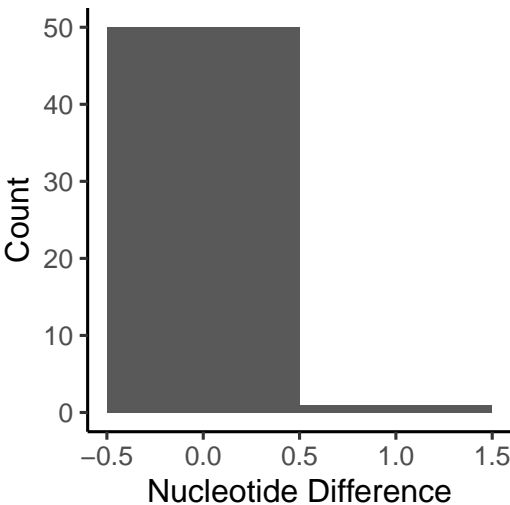
TRBV6-56*ap01

8919 sequences assigned
8833 (99%) exact matches, in which:
8747 unique CDR3
13 unique J



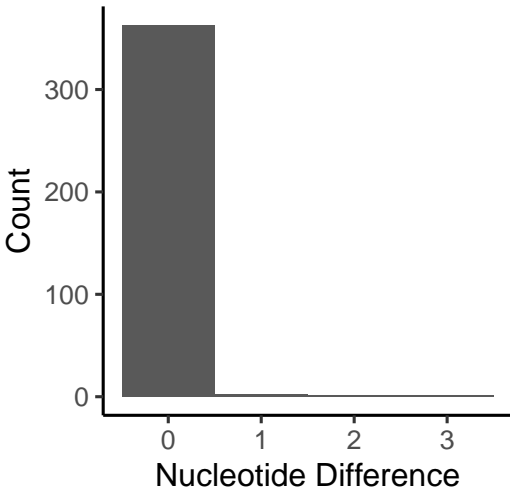
TRBV7-1*ap01_G291C_T

51 sequences assigned
50 (98%) exact matches, in which:
49 unique CDR3
10 unique J



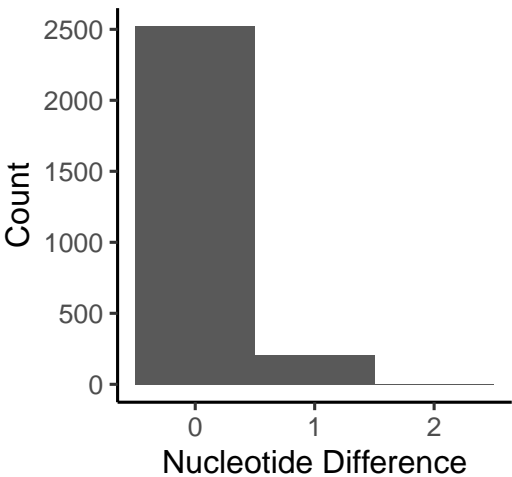
TRBV7-3*ap03

367 sequences assigned
363 (98.9%) exact matches, in which:
360 unique CDR3
13 unique J



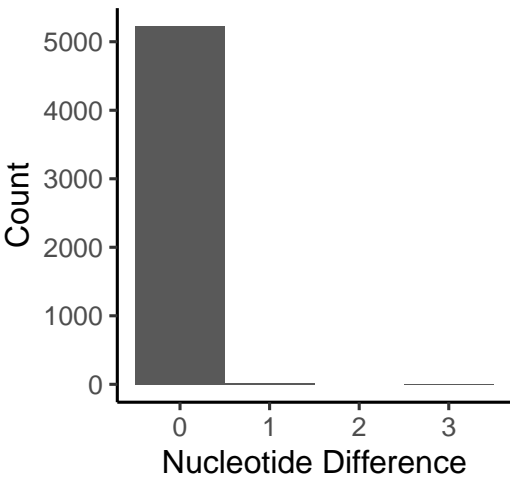
TRBV6-56*ap02

2733 sequences assigned
2523 (92.3%) exact matches, in which:
2500 unique CDR3
13 unique J



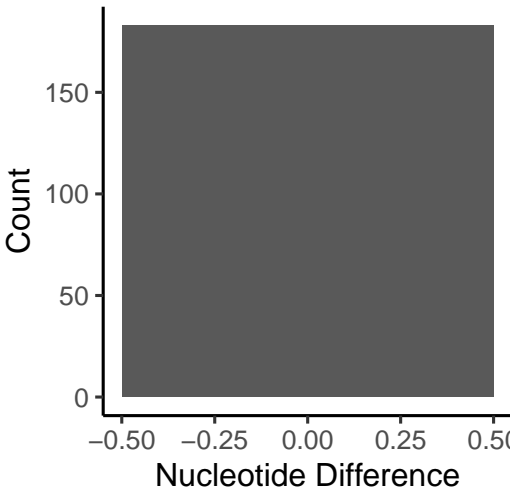
TRBV7-2*ap01

5251 sequences assigned
5229 (99.6%) exact matches, in which:
5210 unique CDR3
13 unique J



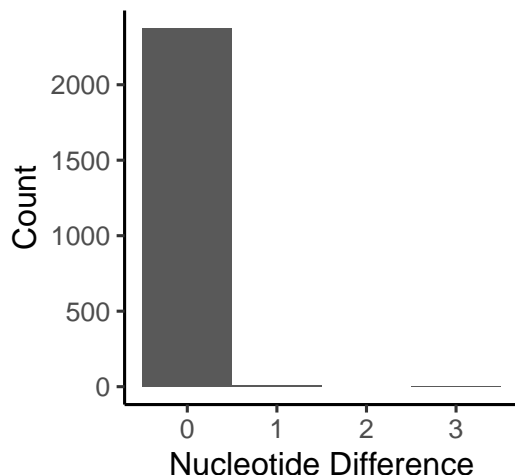
TRBV7-4*ap01

183 sequences assigned
183 (100%) exact matches, in which:
183 unique CDR3
12 unique J



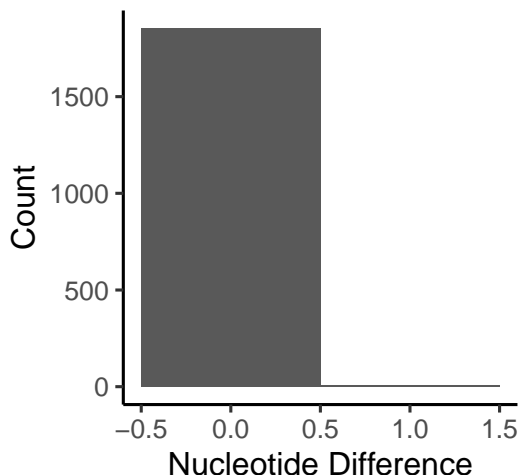
TRBV7-6*ap01

2383 sequences assigned
2373 (99.6%) exact matches, in which:
2366 unique CDR3
13 unique J



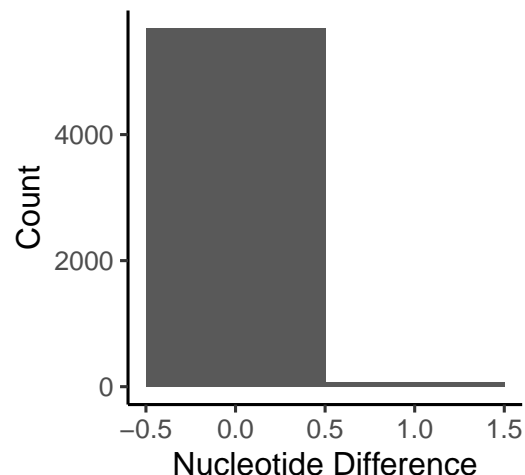
TRBV7-8*ap01

1861 sequences assigned
1853 (99.6%) exact matches, in which:
1849 unique CDR3
13 unique J



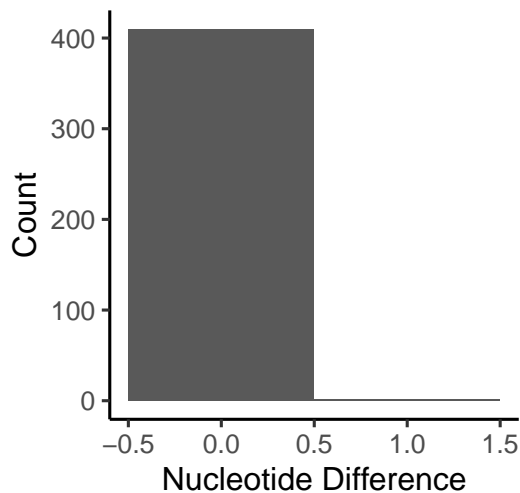
TRBV29-1*ap01

5752 sequences assigned
5685 (98.8%) exact matches, in which:
5594 unique CDR3
13 unique J



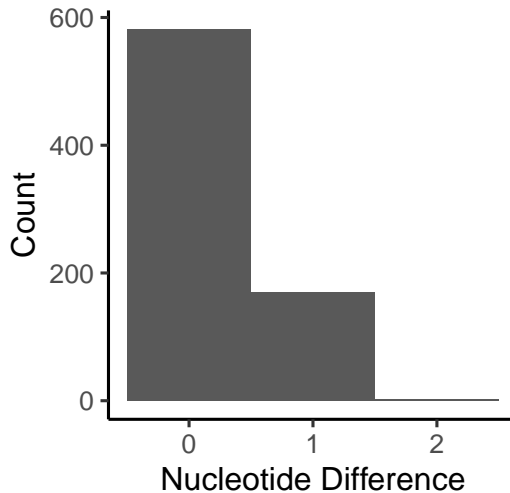
TRBV7-7*ap01

412 sequences assigned
410 (99.5%) exact matches, in which:
407 unique CDR3
12 unique J



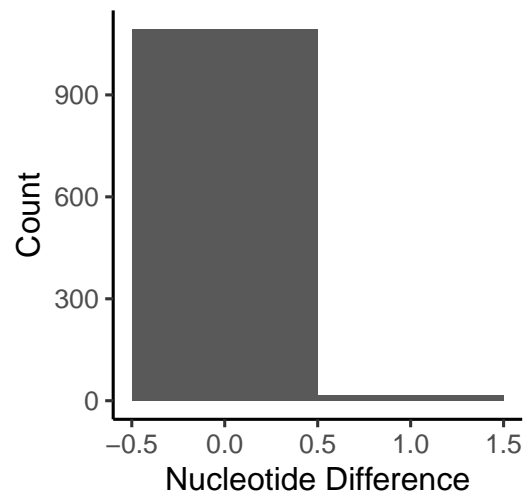
TRBV7-8*ap03

754 sequences assigned
582 (77.2%) exact matches, in which:
578 unique CDR3
13 unique J



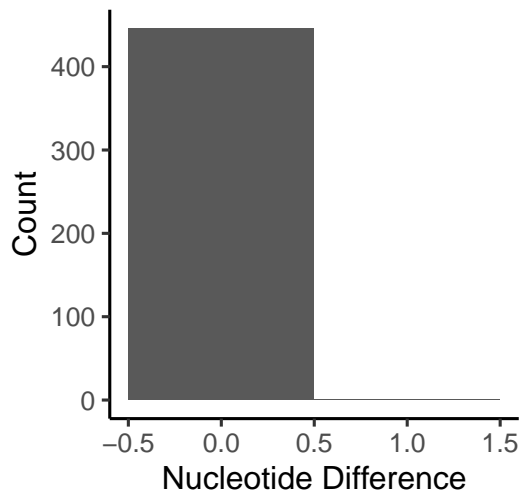
TRBV29-1*ap02

1109 sequences assigned
1094 (98.6%) exact matches, in which:
1080 unique CDR3
13 unique J



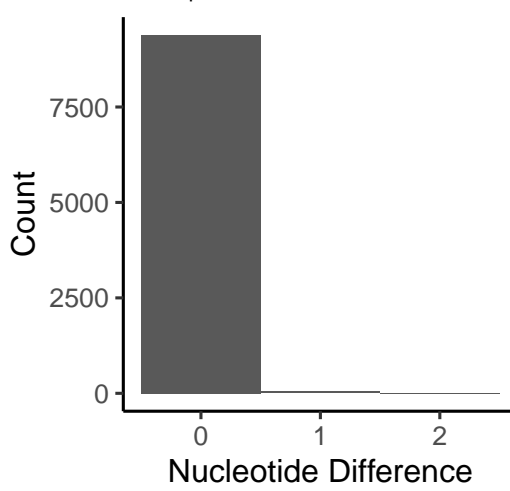
TRBV7-7*ap01_C315T

447 sequences assigned
446 (99.8%) exact matches, in which:
446 unique CDR3
13 unique J

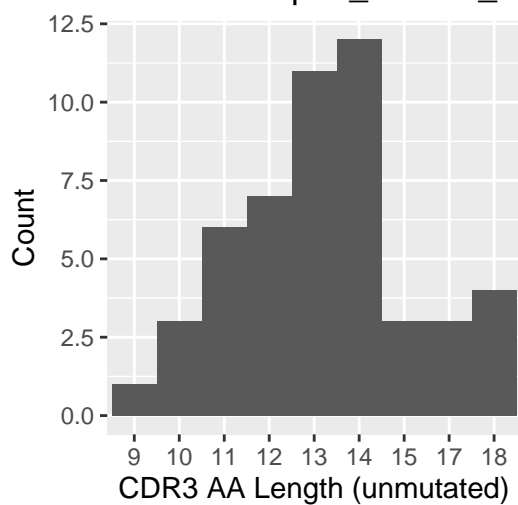


TRBV7-9*ap01

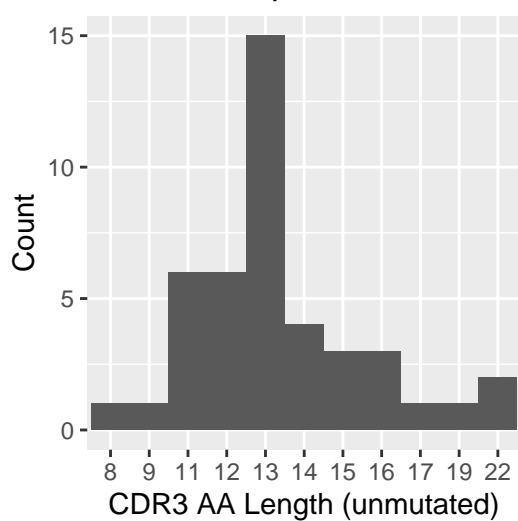
9432 sequences assigned
9385 (99.5%) exact matches, in which:
9346 unique CDR3
13 unique J



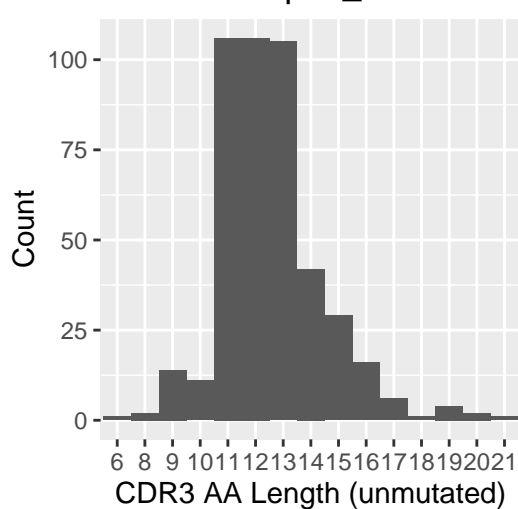
TRBV7-1*ap01_G291C_T296C_C314T



TRBV7-1*ap01_G291C_T296C



TRBV7-7*ap01_C315T





[illegible]