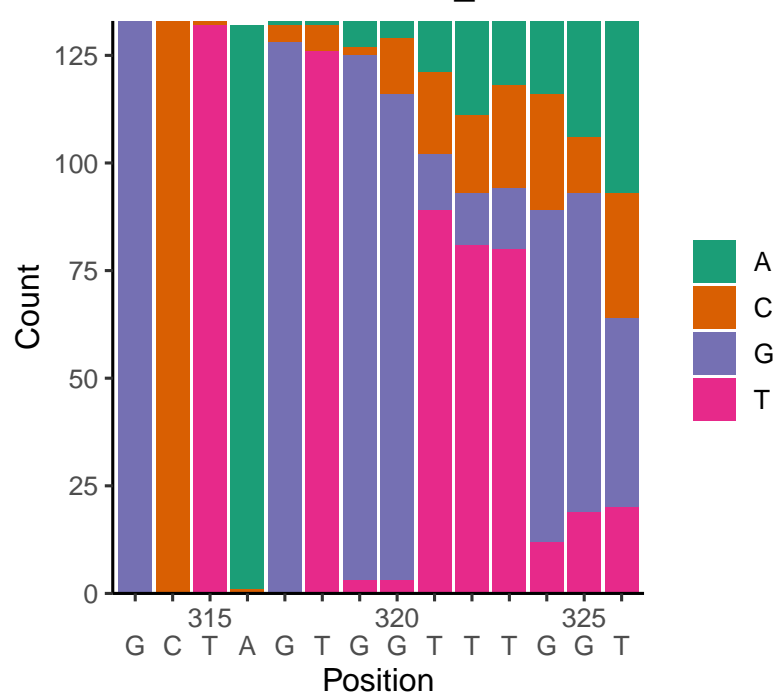
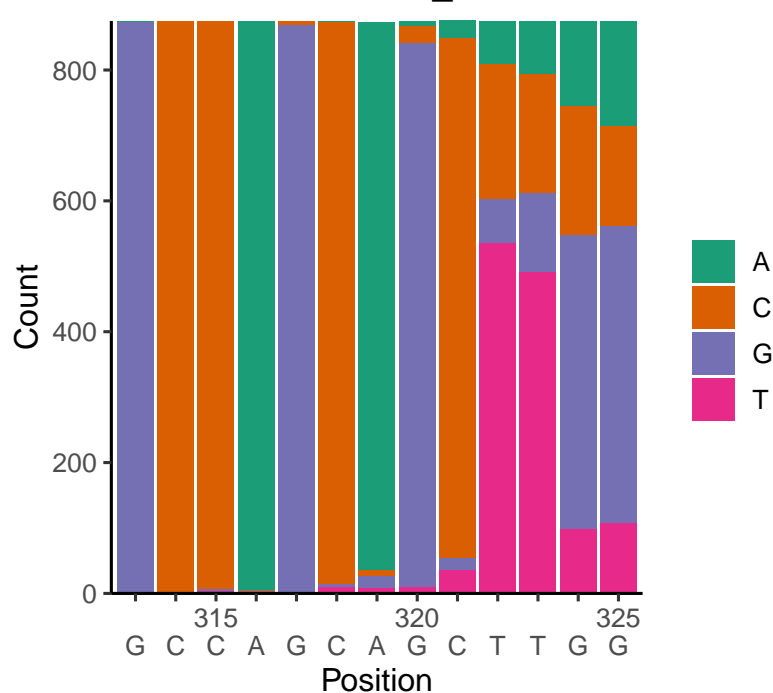


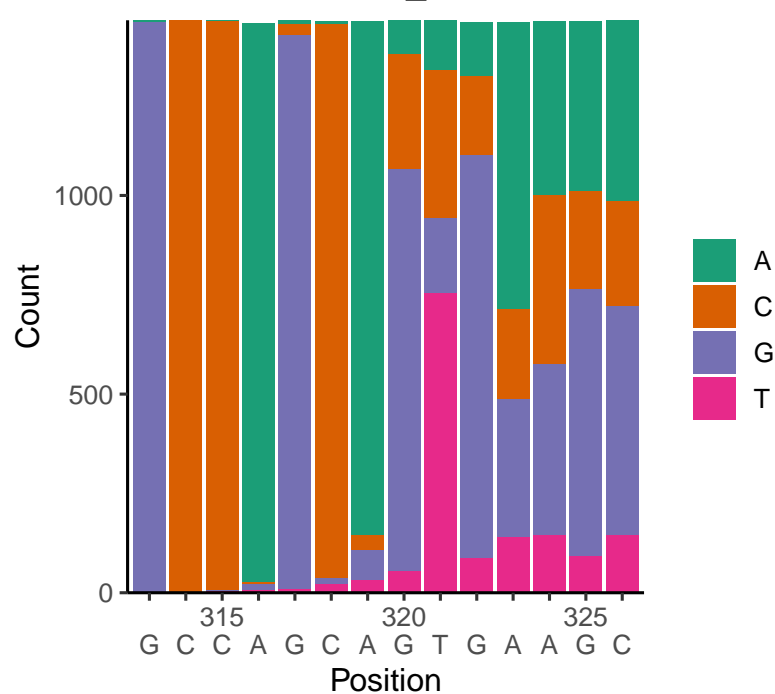
Gene TRBV12-5*01_C28G



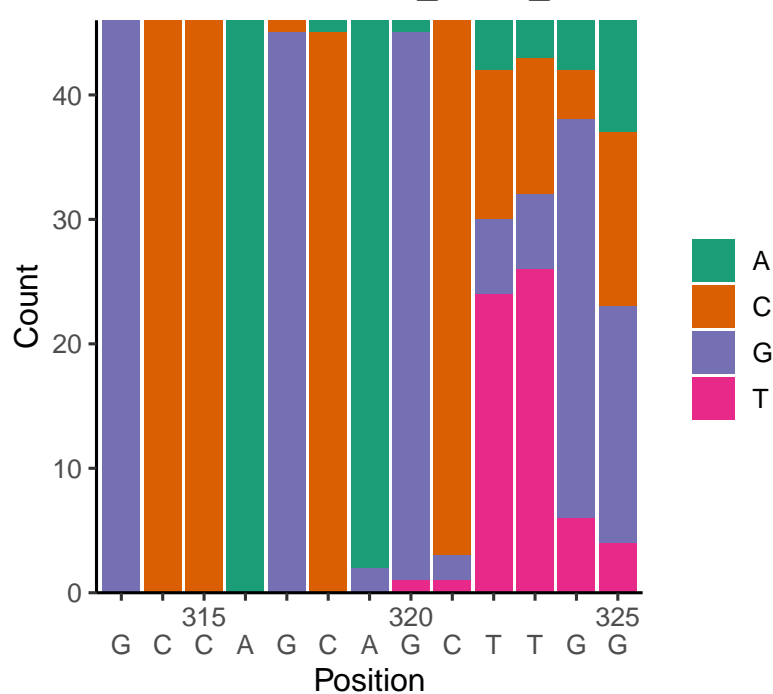
Gene TRBV5-5*02_322TTGG325



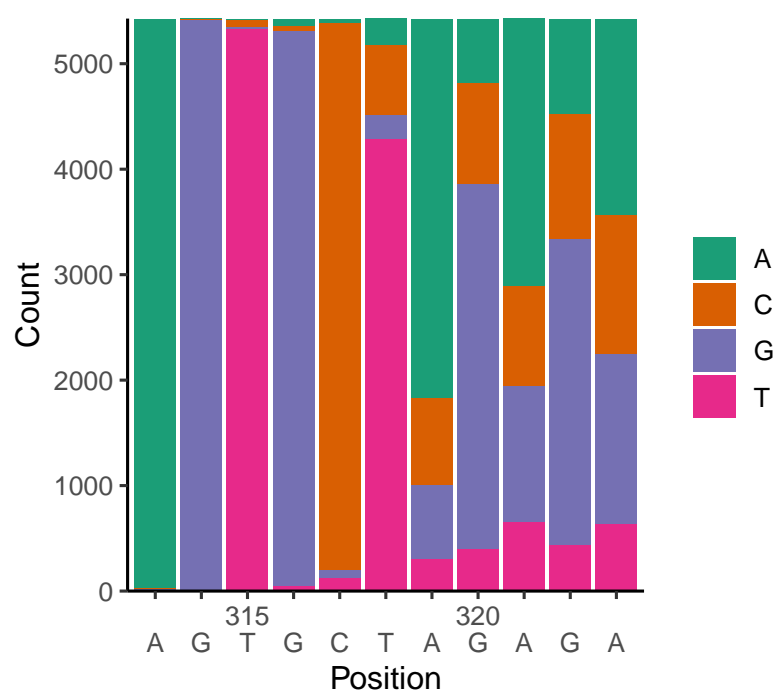
Gene TRBV2*02_322GAAGC326



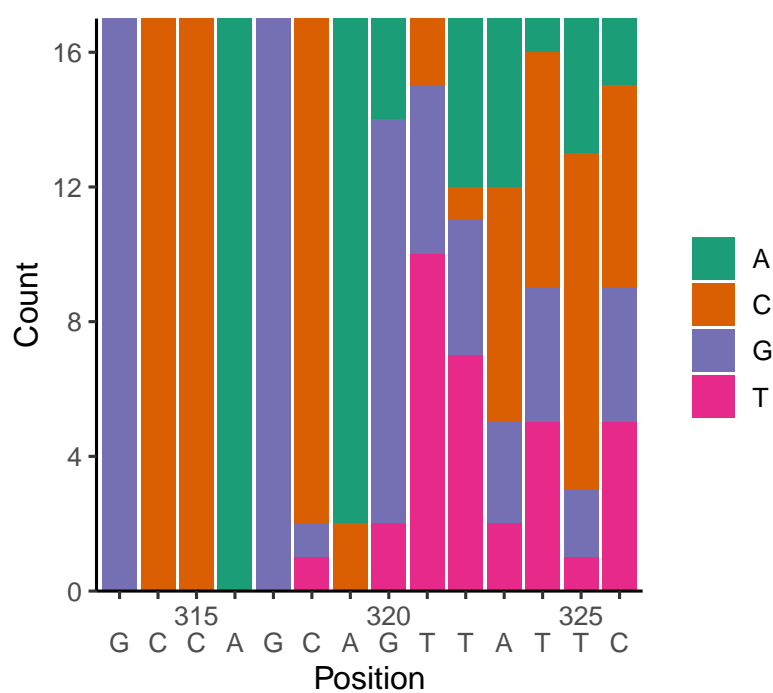
Gene TRBV5-8*01_C56T_C276T



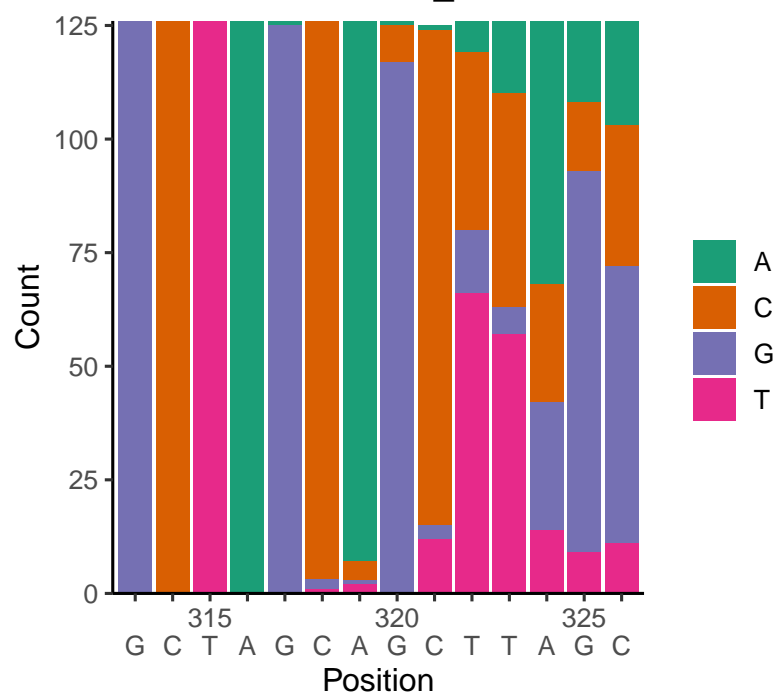
Gene TRBV20-1*02_319AGAGA323



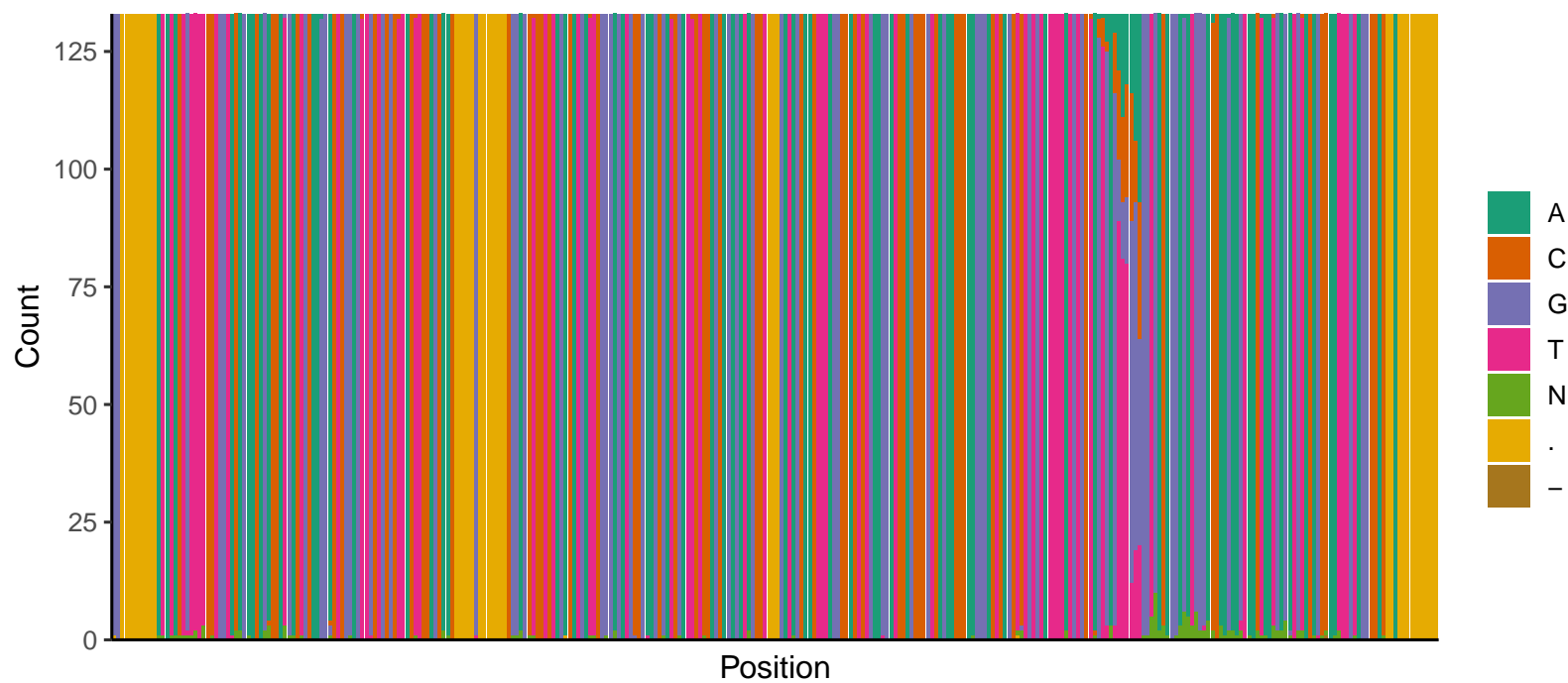
Gene TRBV6-9*01_A303G



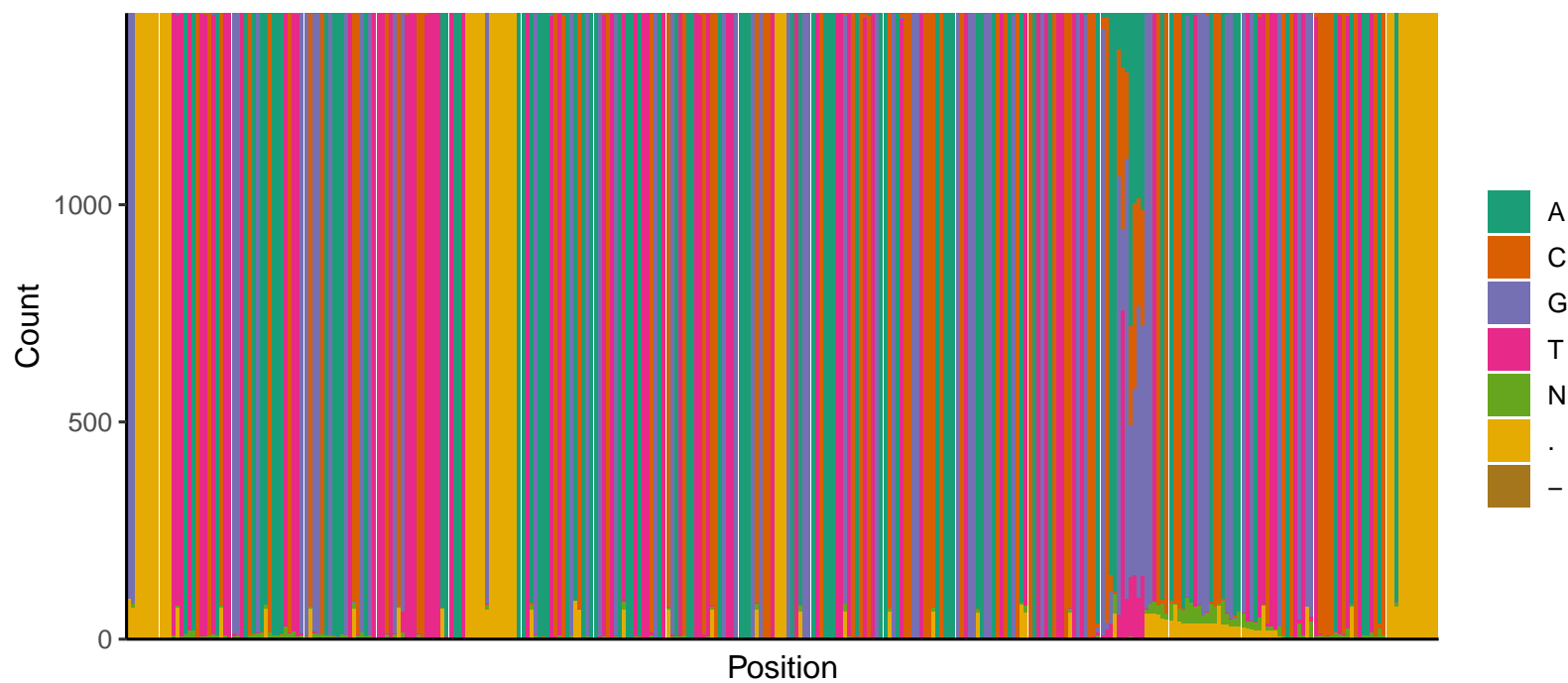
Gene TRBV7-7*01_C315T



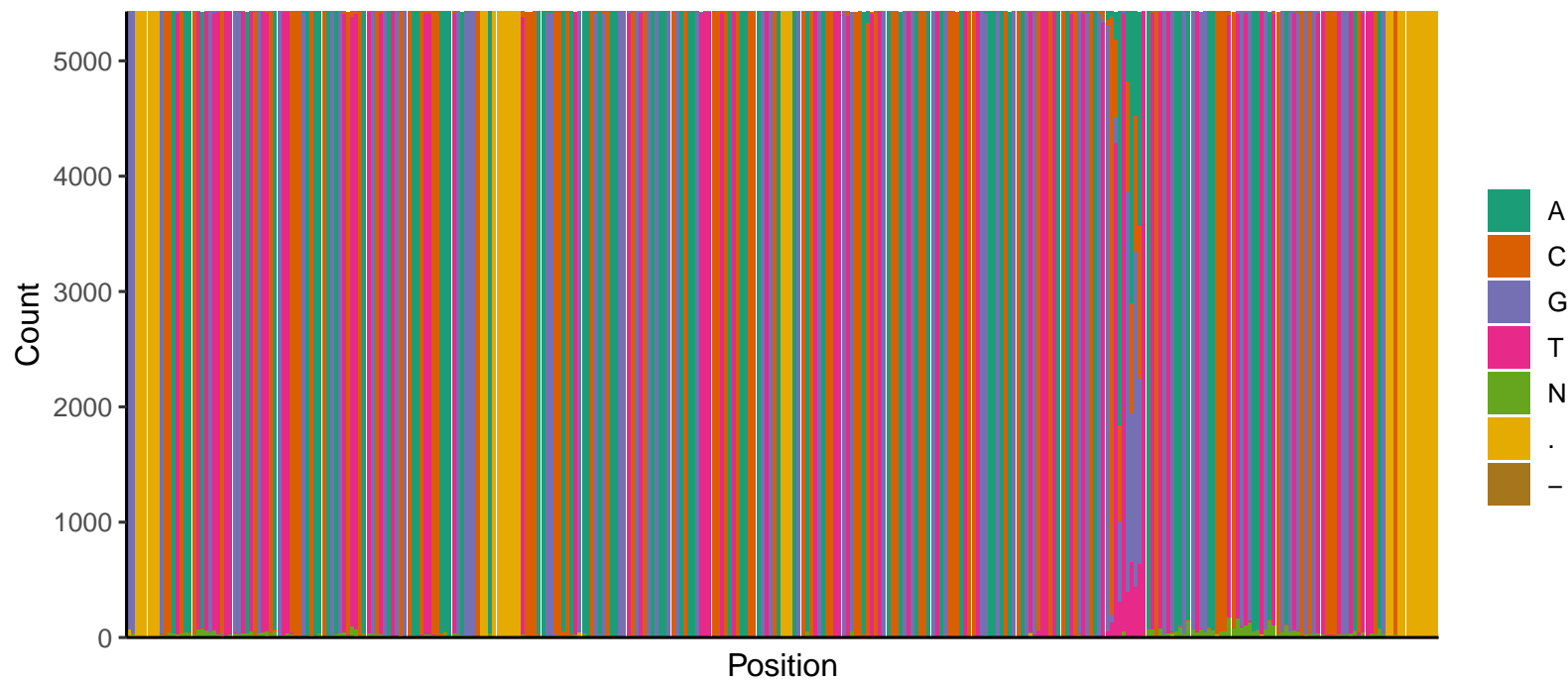
Gene TRBV12-5*01_C28G



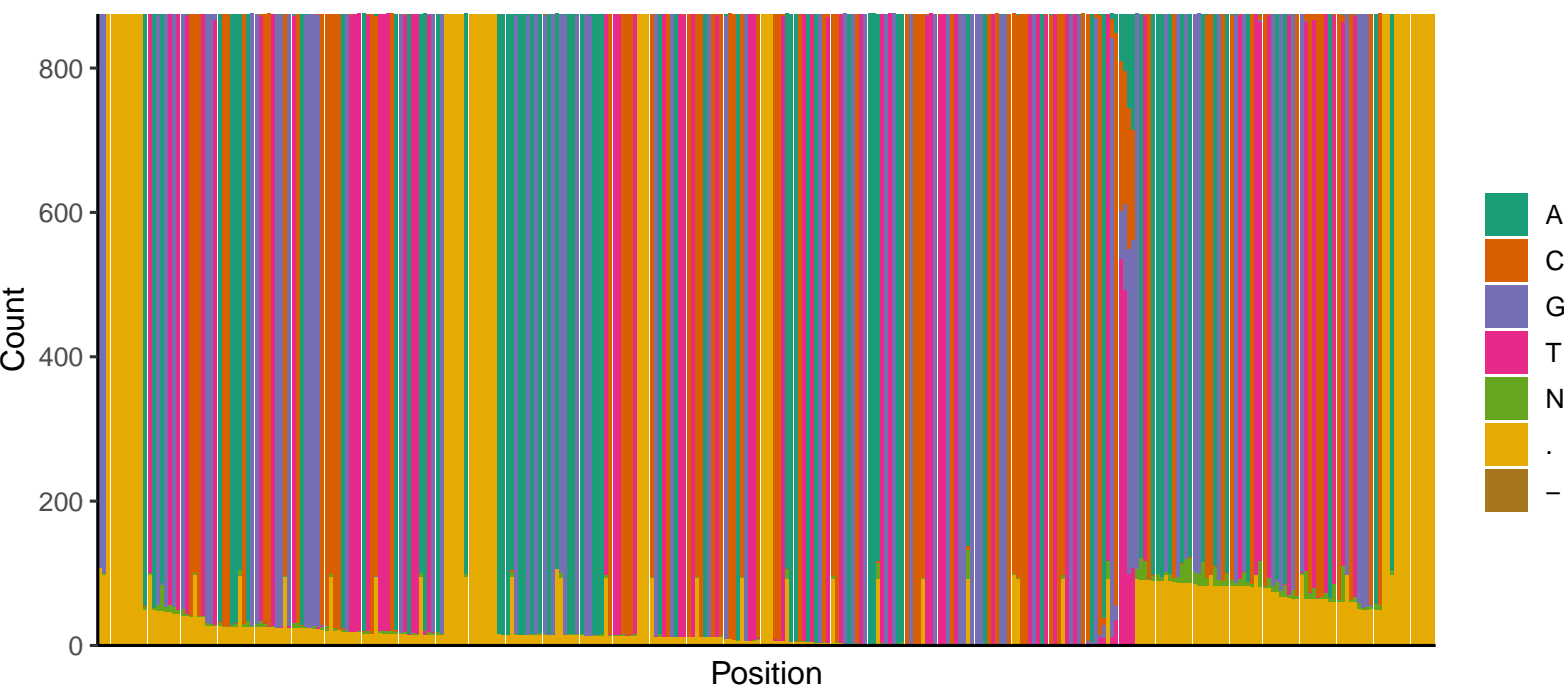
Gene TRBV2*02_322GAAGC326



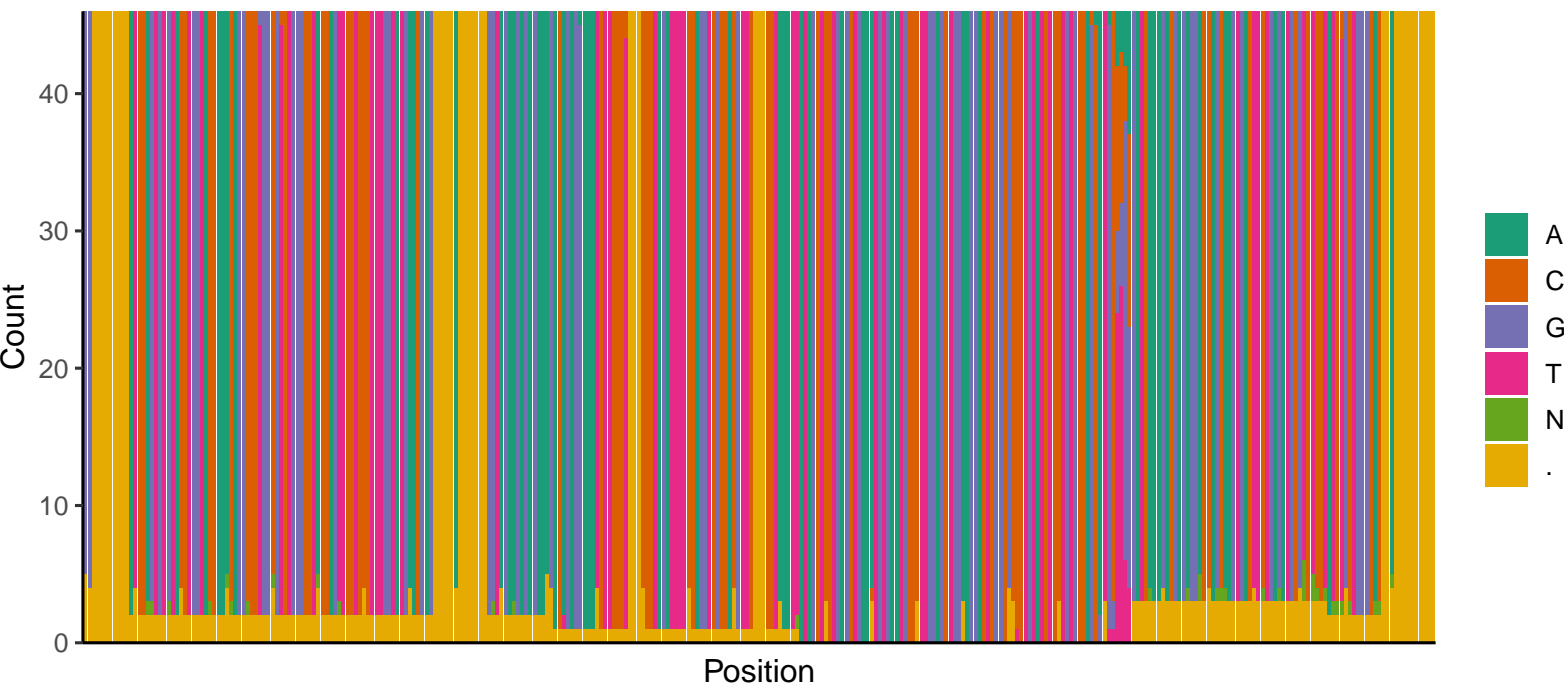
Gene TRBV20-1*02_319AGAGA323



Gene TRBV5-5*02_322TTGG325



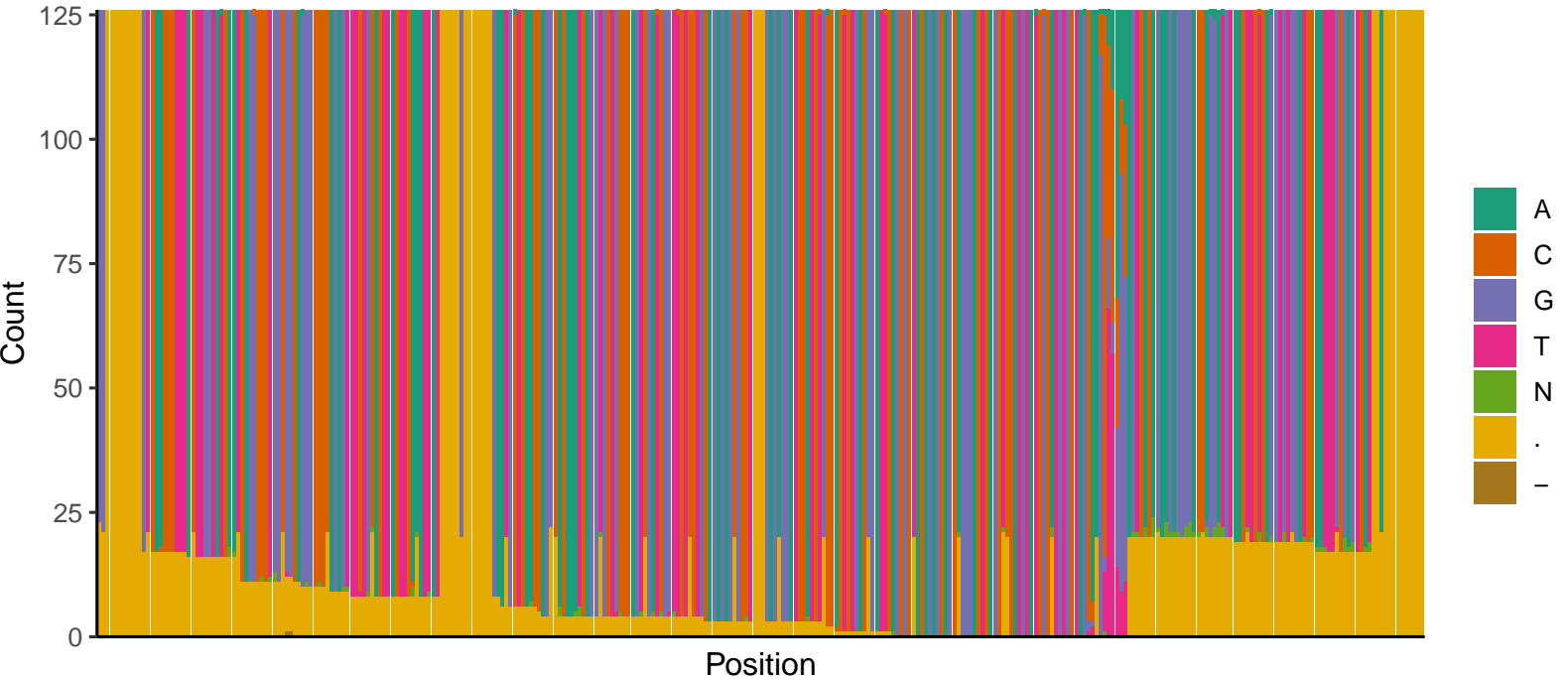
Gene TRBV5-8*01_C56T_C276T



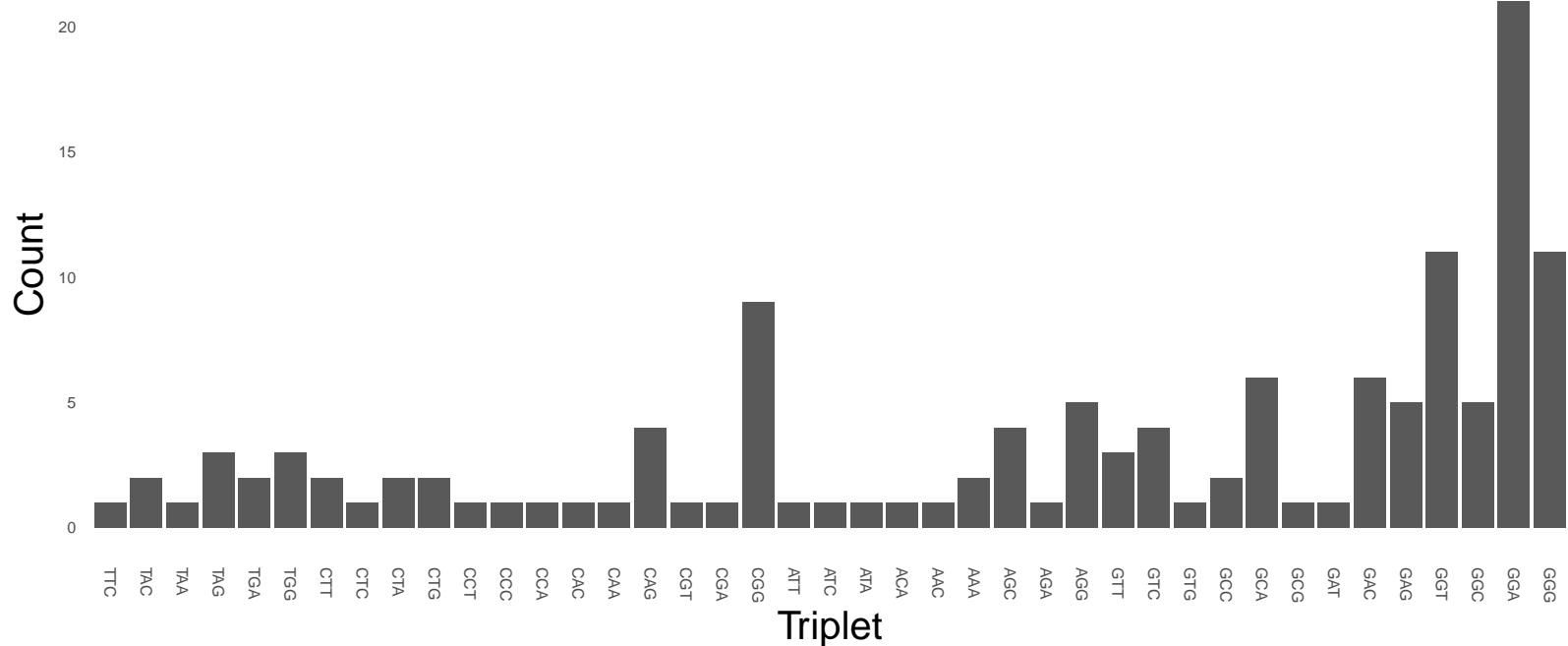
Gene TRBV6-9*01_A303G



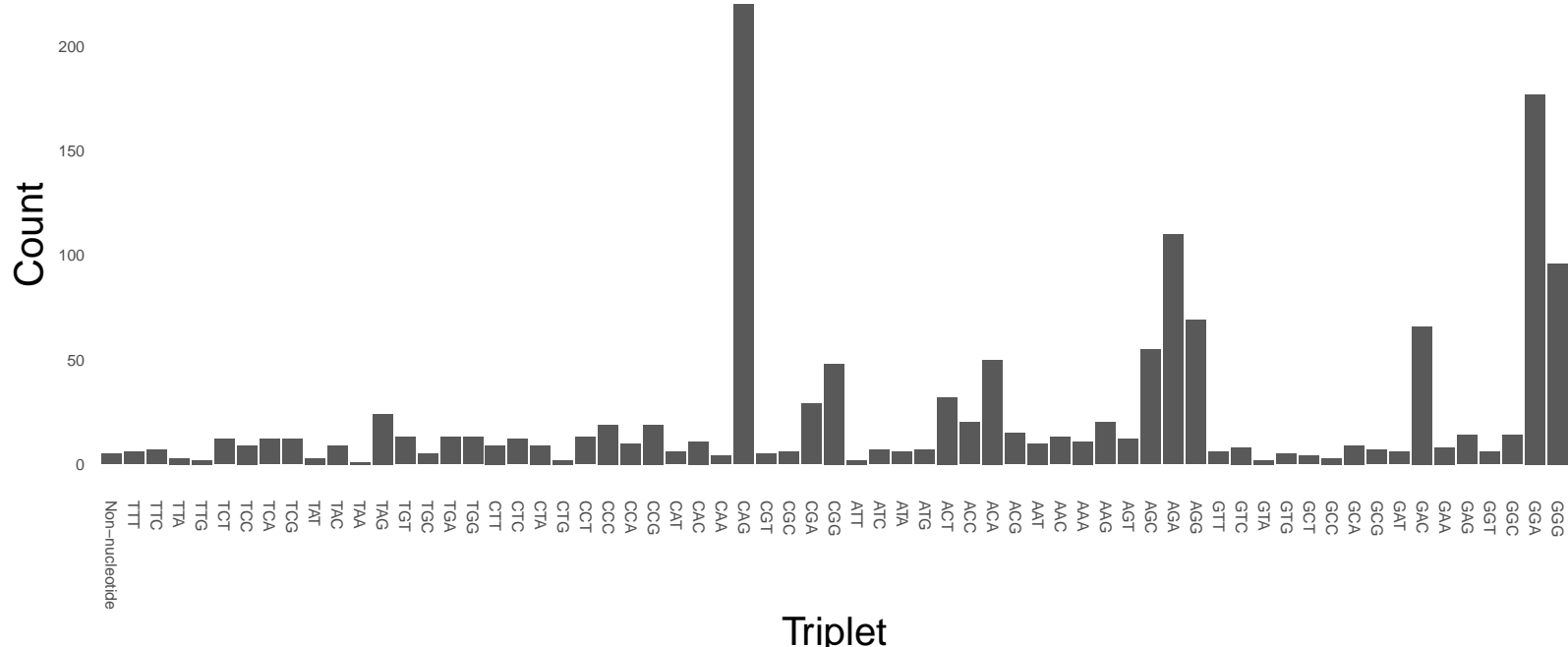
Gene TRBV7-7*01_C315T



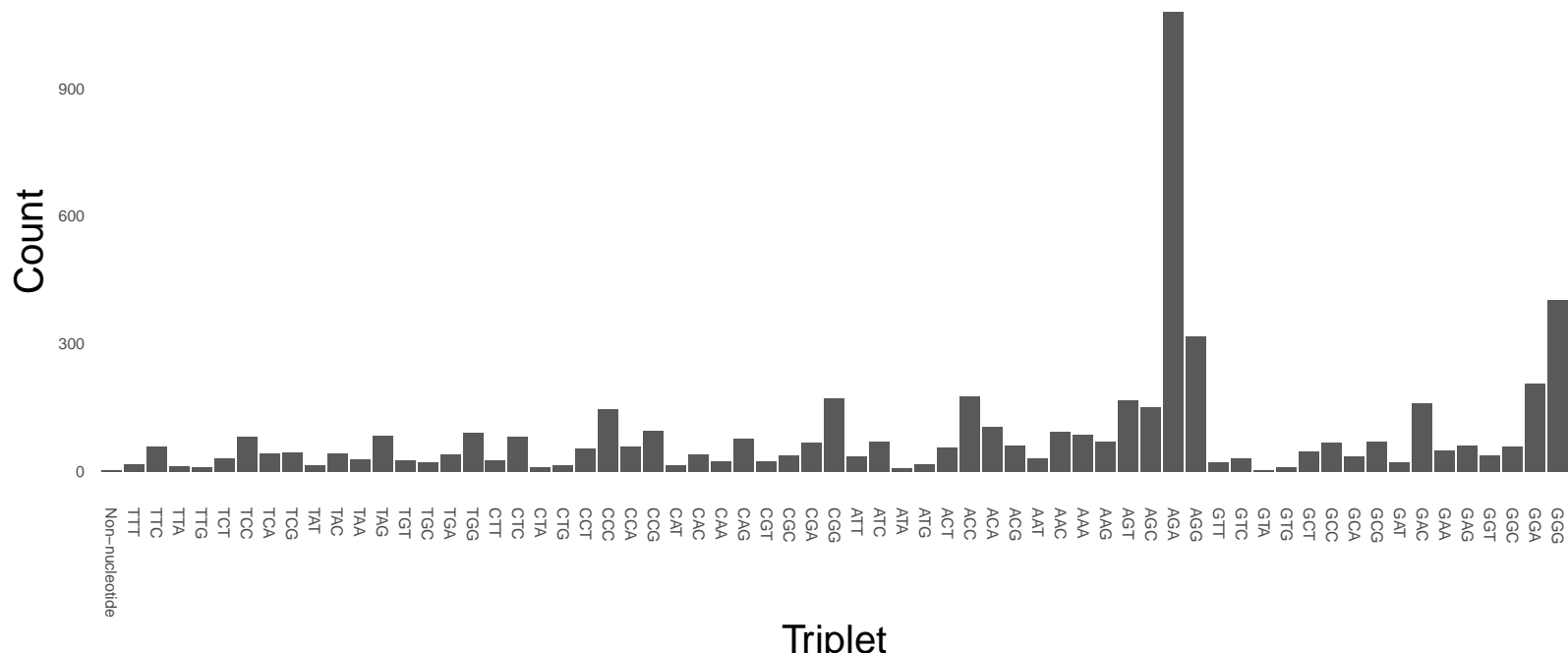
TRBV12–5*01_C28G– Final 3 nucleotides as a triplet



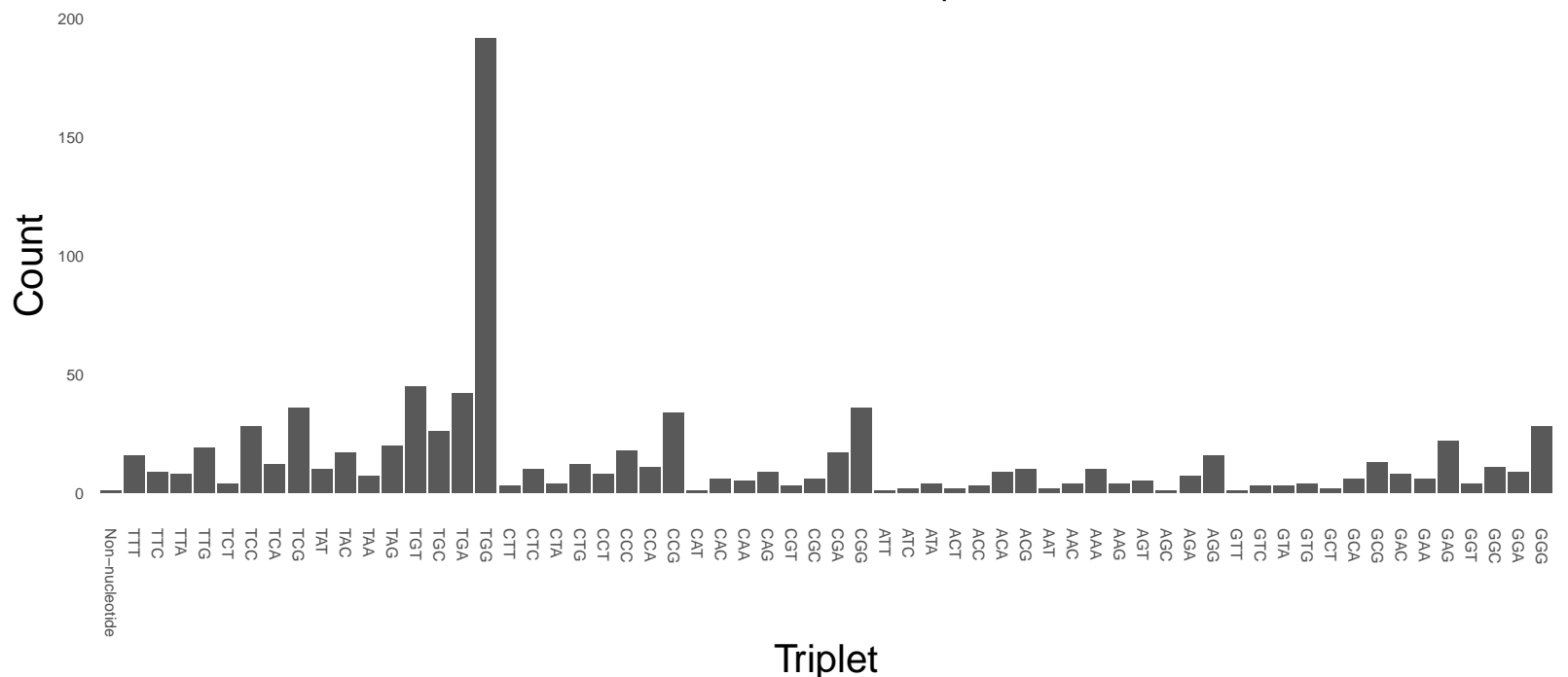
TRBV2*02_322GAAGC326– Final 3 nucleotides as a triplet



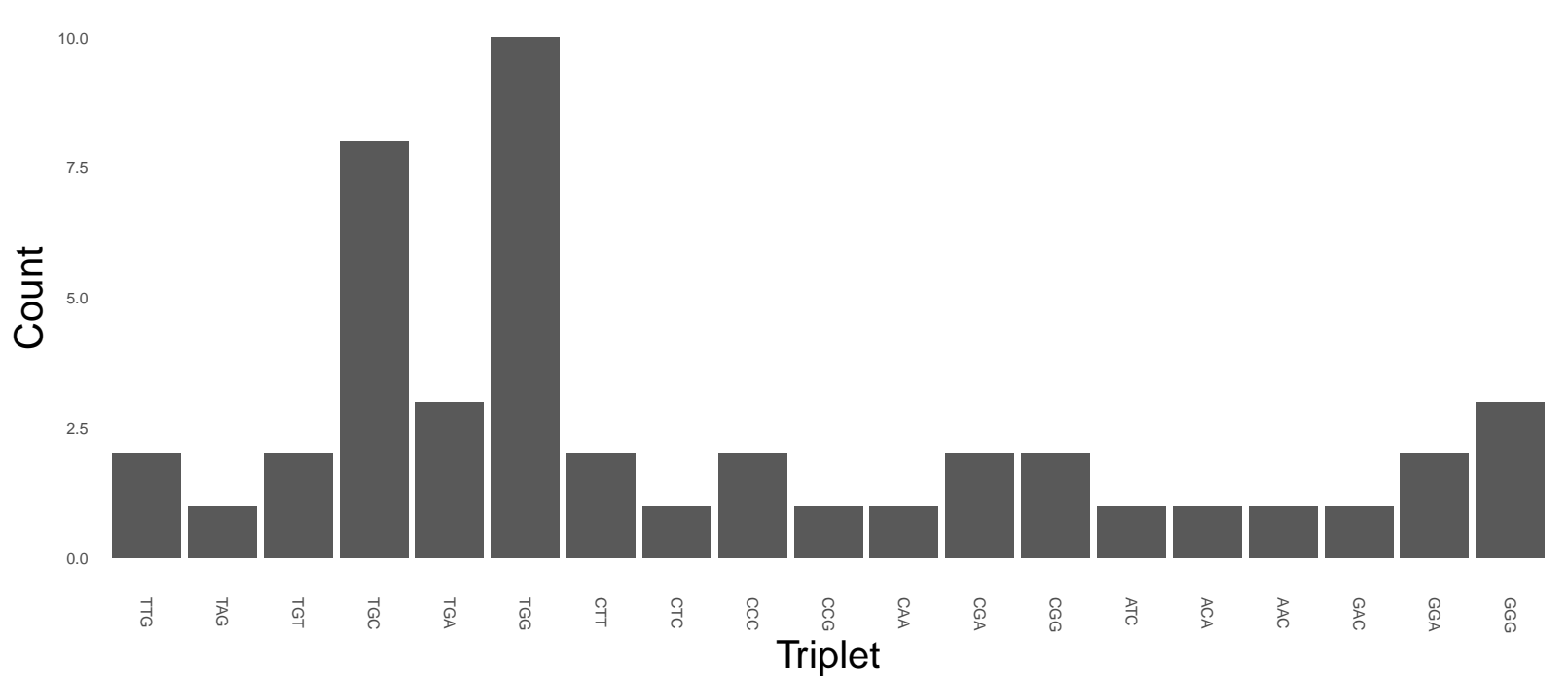
TRBV20–1*02_319AGAGA323– Final 3 nucleotides as a triplet



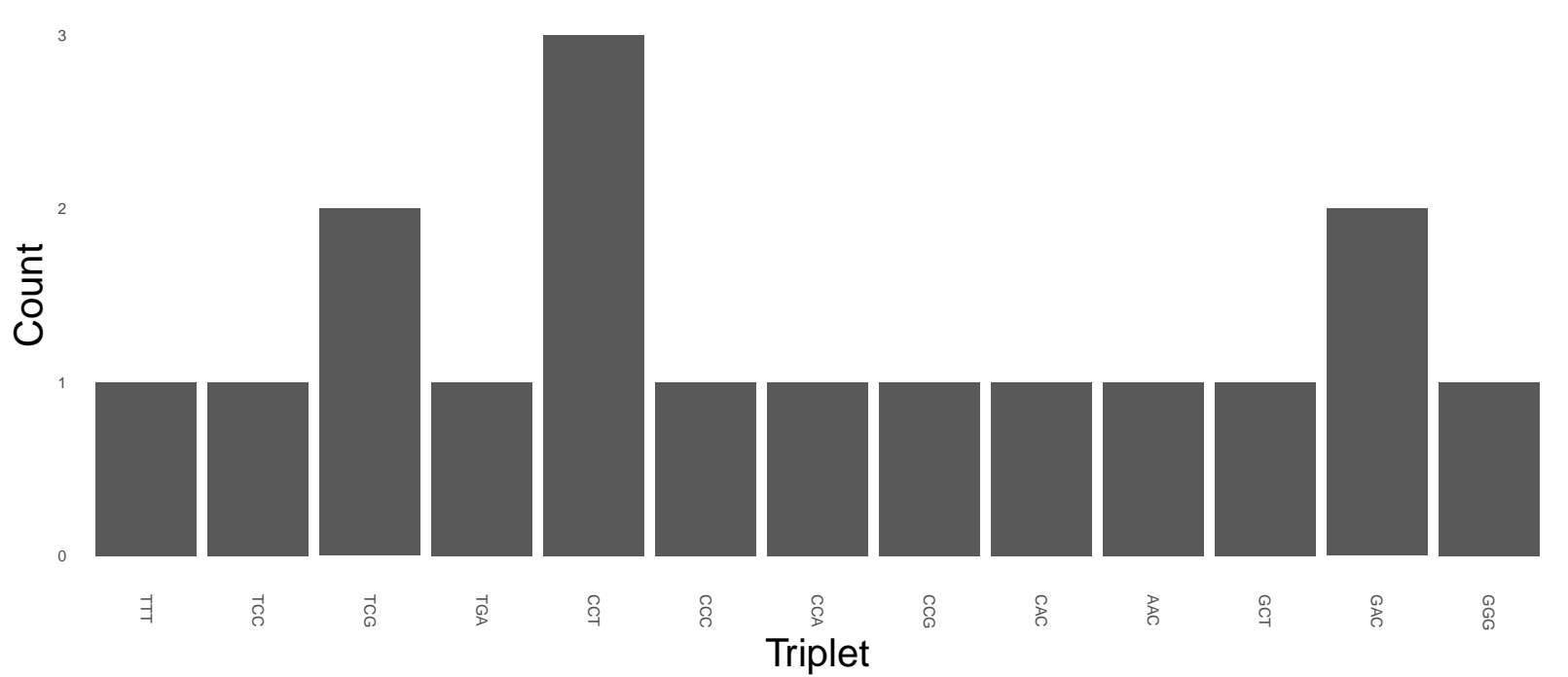
TRBV5-5*02_322TTGG325- Final 3 nucleotides as a triplet



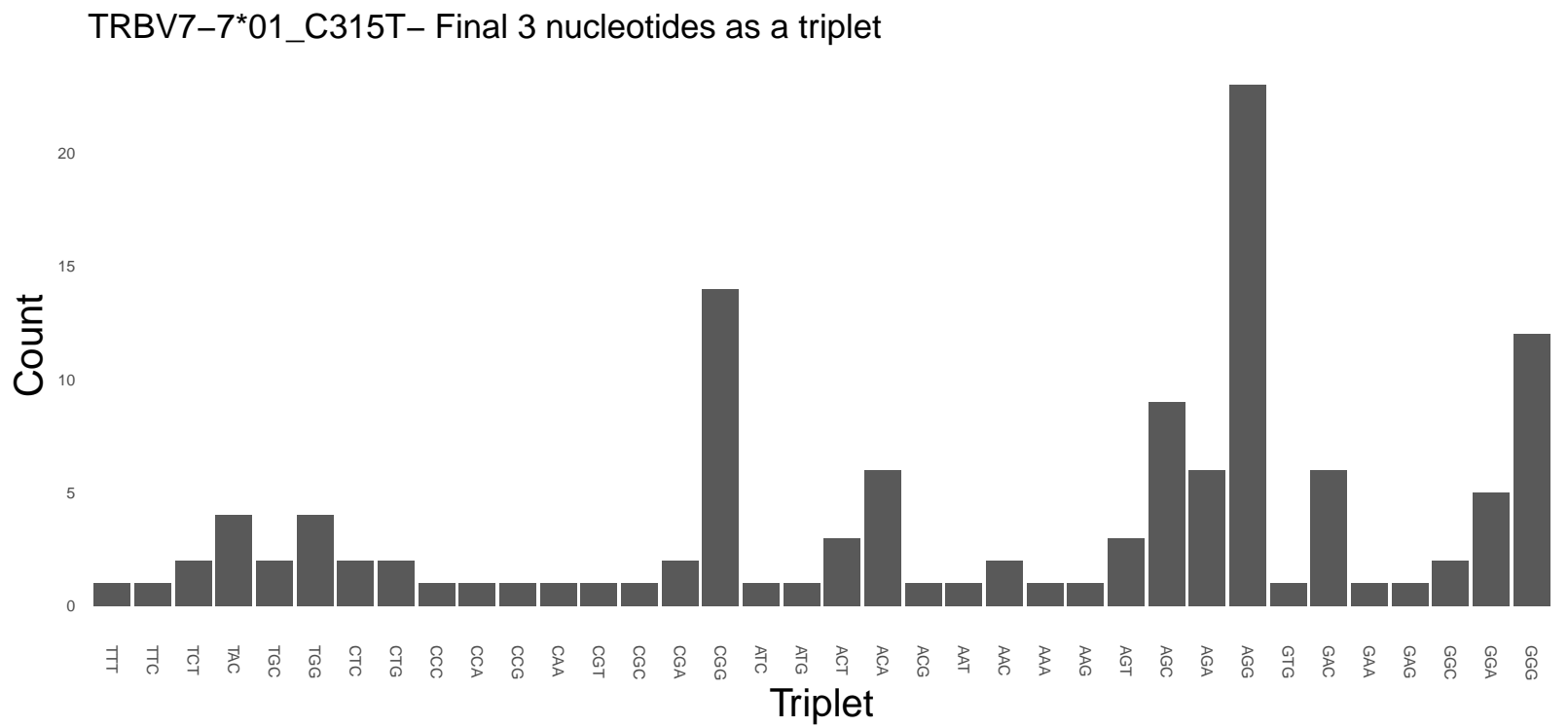
TRBV5-8*01_C56T_C276T- Final 3 nucleotides as a triplet



TRBV6-9*01_A303G- Final 3 nucleotides as a triplet

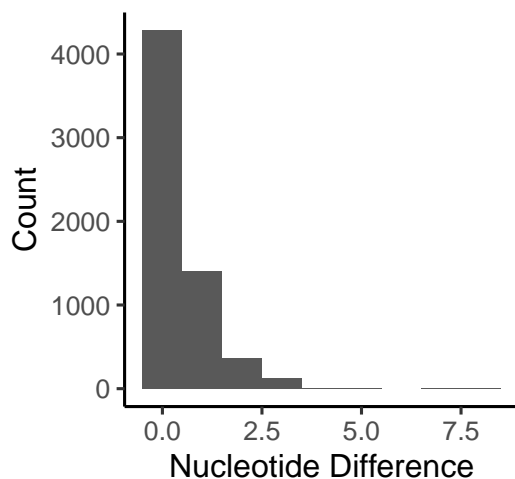


TRBV7-7*01_C315T- Final 3 nucleotides as a triplet



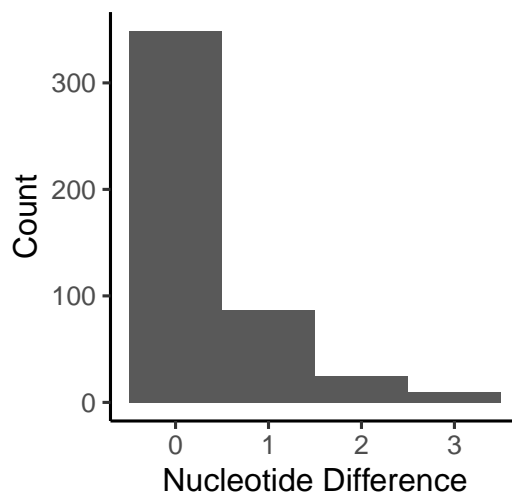
TRBV20-1*01

6177 sequences assigned
4282 (69.3%) exact matches, in which:
3943 unique CDR3
13 unique J



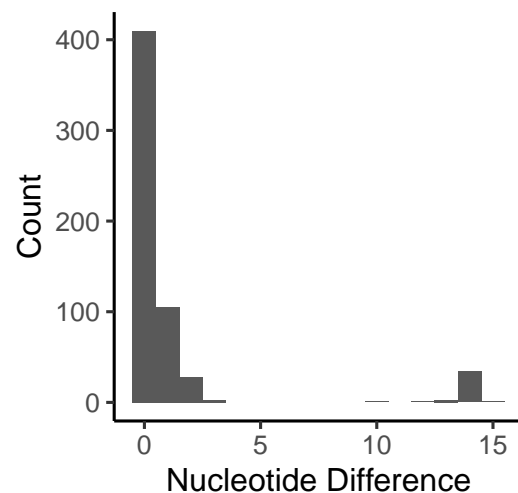
TRBV10-2*01

471 sequences assigned
349 (74.1%) exact matches, in which:
307 unique CDR3
14 unique J



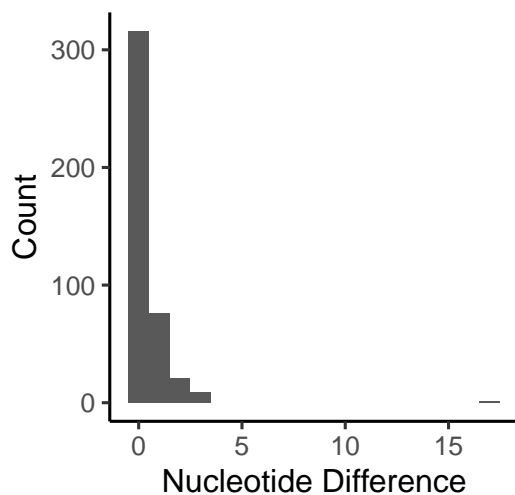
TRBV13*01

586 sequences assigned
410 (70%) exact matches, in which:
385 unique CDR3
14 unique J



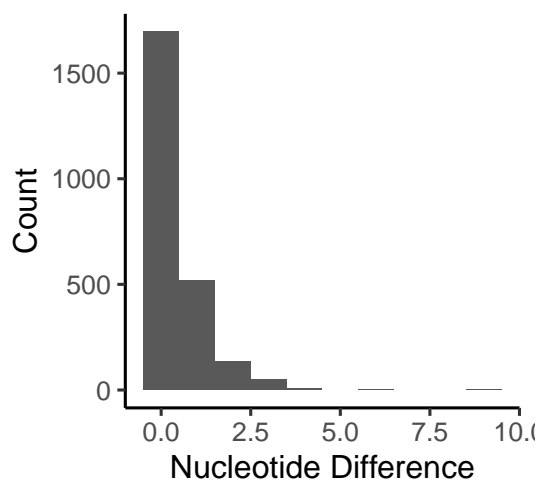
TRBV10-1*01

423 sequences assigned
316 (74.7%) exact matches, in which:
299 unique CDR3
14 unique J



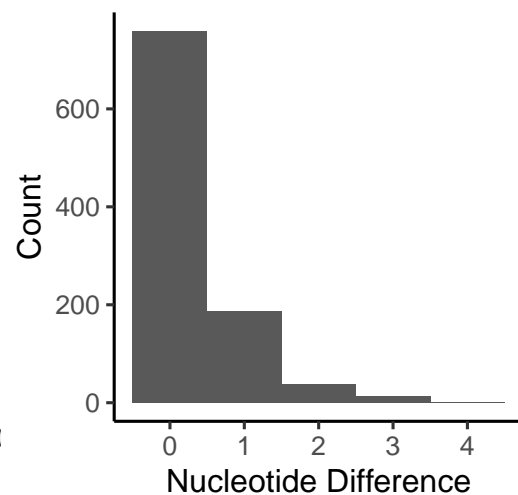
TRBV10-3*02

2408 sequences assigned
1696 (70.4%) exact matches, in which:
1482 unique CDR3
14 unique J



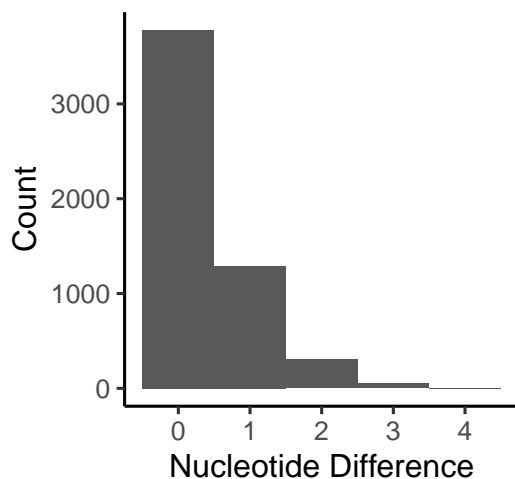
TRBV14*01

998 sequences assigned
759 (76.1%) exact matches, in which:
719 unique CDR3
14 unique J



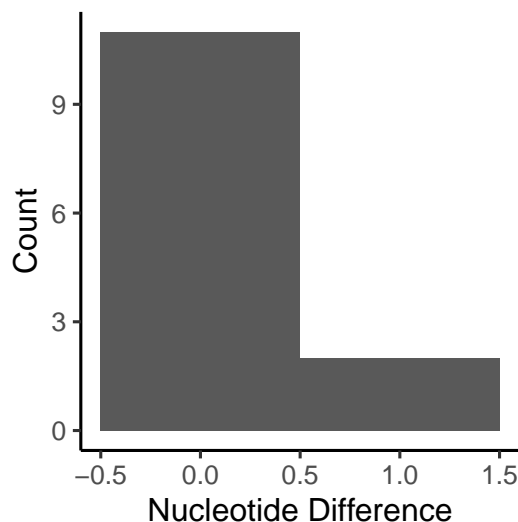
TRBV20-1*02_319AGAG

5428 sequences assigned
3779 (69.6%) exact matches, in which:
3435 unique CDR3
13 unique J



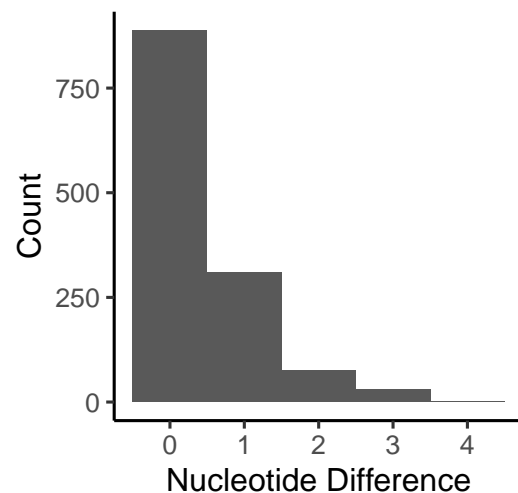
TRBV1*01

13 sequences assigned
11 (84.6%) exact matches, in which:
10 unique CDR3
7 unique J



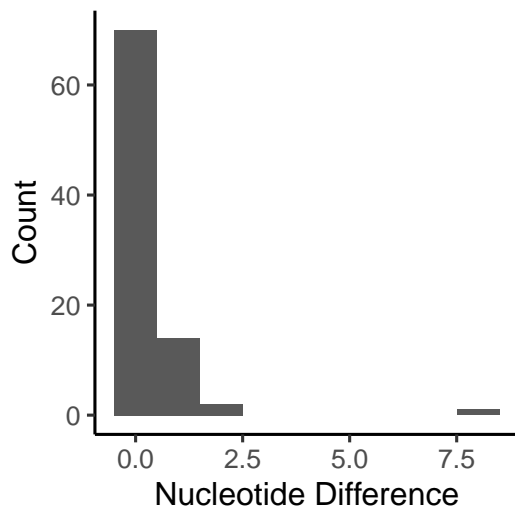
TRBV15*02

1304 sequences assigned
888 (68.1%) exact matches, in which:
815 unique CDR3
14 unique J



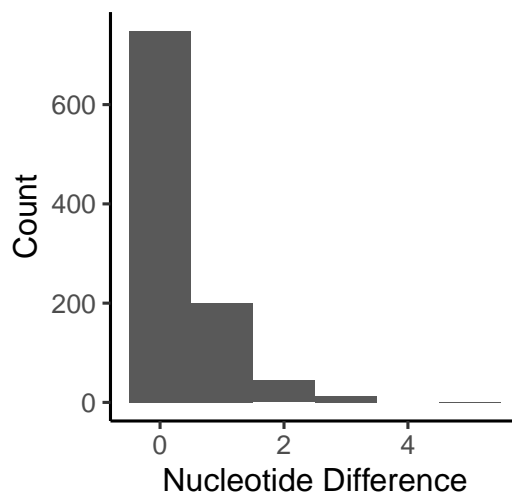
TRBV16*01

87 sequences assigned
70 (80.5%) exact matches, in which:
61 unique CDR3
13 unique J



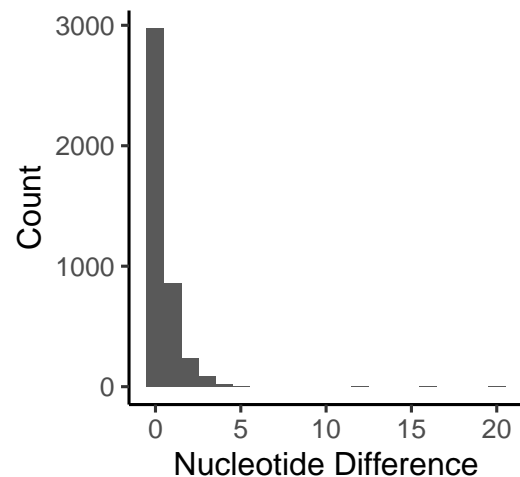
TRBV2*01

1010 sequences assigned
749 (74.2%) exact matches, in which:
699 unique CDR3
13 unique J



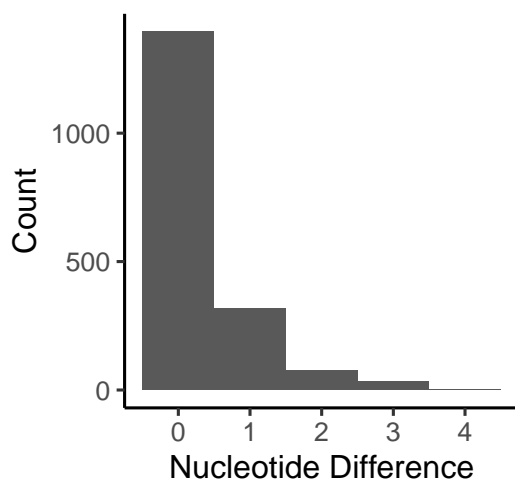
TRBV28*01

4188 sequences assigned
2974 (71%) exact matches, in which:
2616 unique CDR3
14 unique J



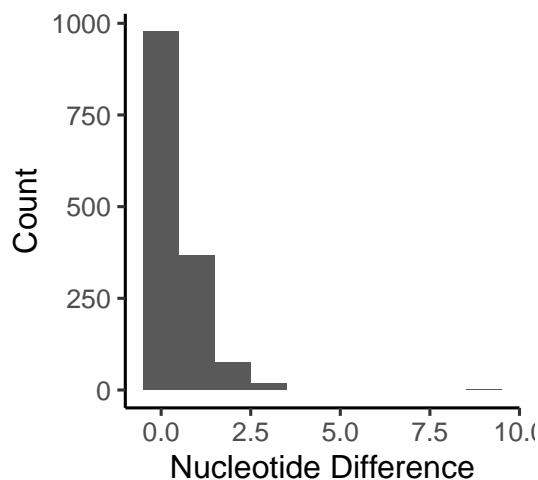
TRBV18*01

1826 sequences assigned
1395 (76.4%) exact matches, in which:
1268 unique CDR3
14 unique J



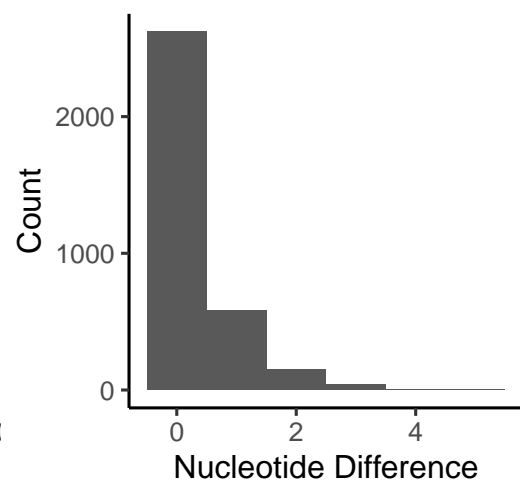
TRBV2*02_322GAAGC3

1441 sequences assigned
977 (67.8%) exact matches, in which:
799 unique CDR3
13 unique J



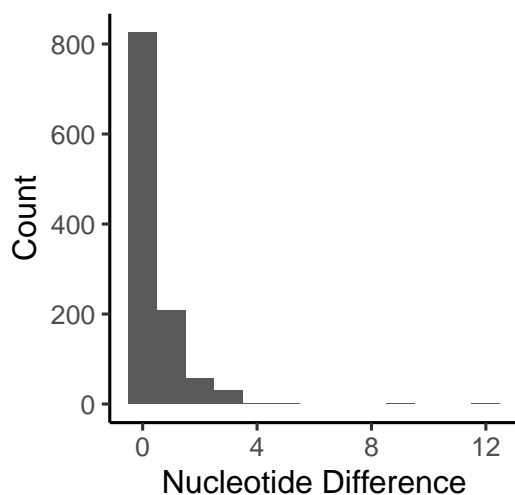
TRBV9*01

3404 sequences assigned
2621 (77%) exact matches, in which:
2481 unique CDR3
14 unique J



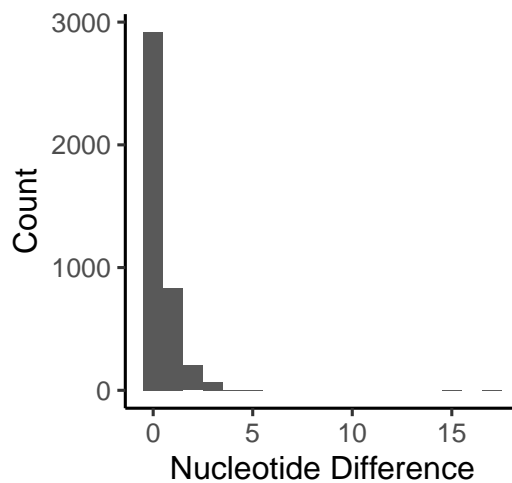
TRBV19*01

1125 sequences assigned
826 (73.4%) exact matches, in which:
791 unique CDR3
14 unique J



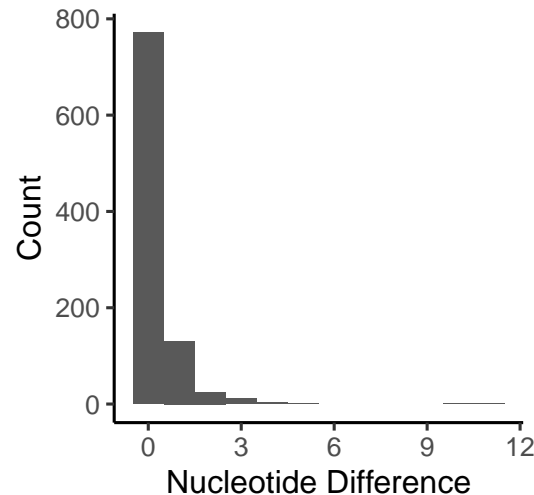
TRBV27*01

4025 sequences assigned
2919 (72.5%) exact matches, in which:
2529 unique CDR3
14 unique J



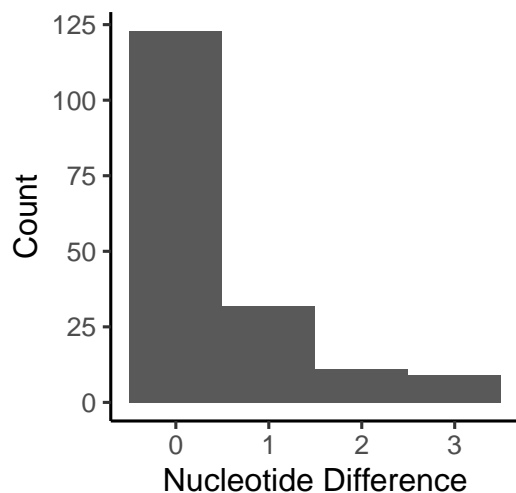
TRBV21-1*01

948 sequences assigned
772 (81.4%) exact matches, in which:
713 unique CDR3
14 unique J



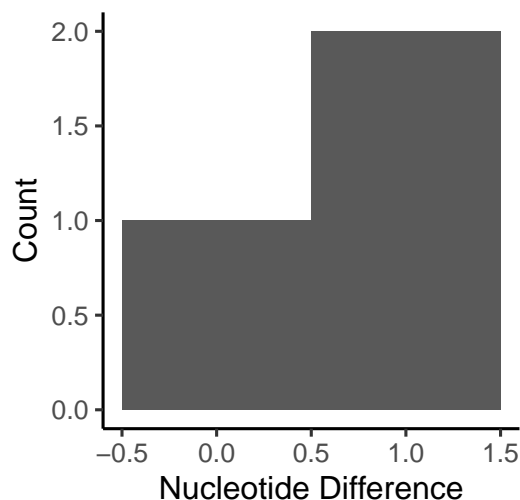
TRBV11-1*01

175 sequences assigned
123 (70.3%) exact matches, in which:
118 unique CDR3
13 unique J



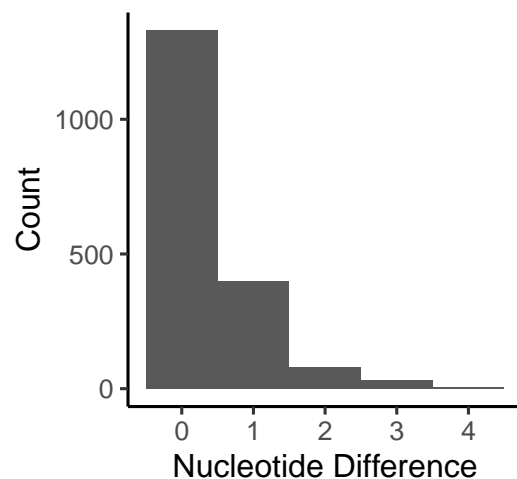
TRBV12-1*01

3 sequences assigned
1 (33.3%) exact matches, in which:
1 unique CDR3
1 unique J



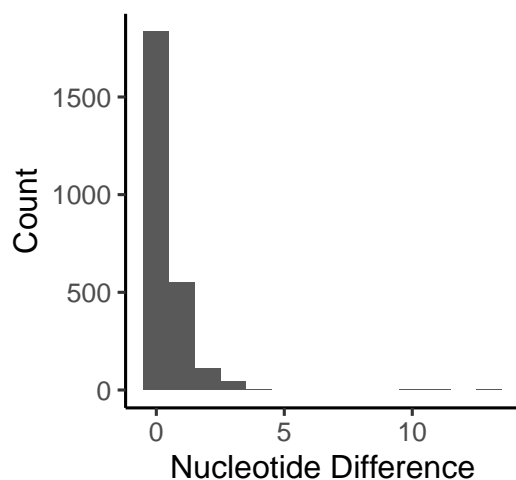
TRBV12-4*01

1844 sequences assigned
1330 (72.1%) exact matches, in which:
1218 unique CDR3
14 unique J



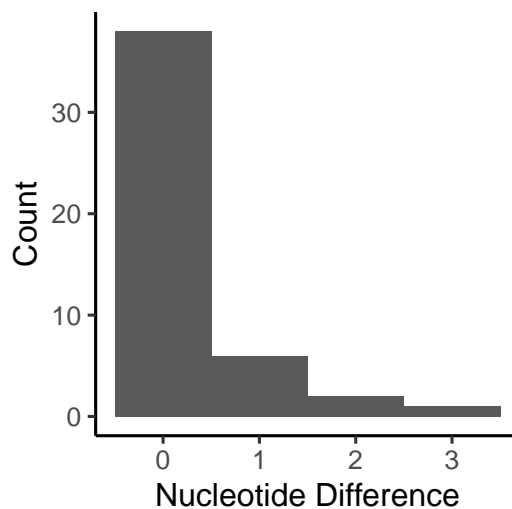
TRBV11-2*01

2546 sequences assigned
1834 (72%) exact matches, in which:
1587 unique CDR3
14 unique J



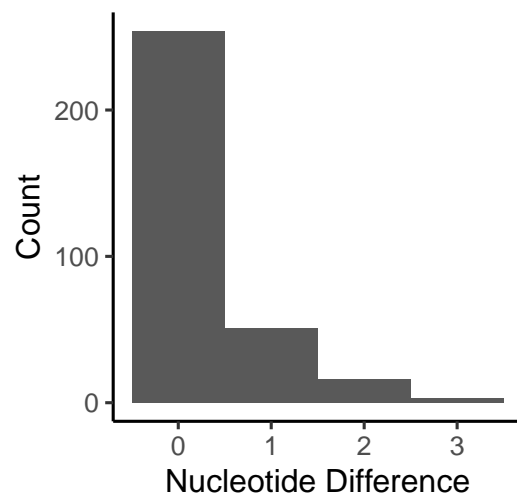
TRBV12-2*01

47 sequences assigned
38 (80.9%) exact matches, in which:
36 unique CDR3
11 unique J



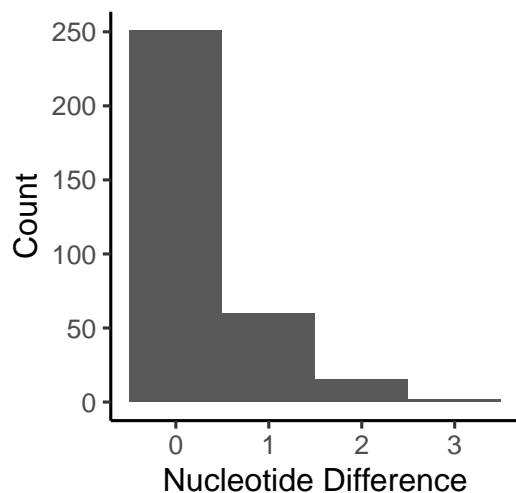
TRBV12-5*01

324 sequences assigned
254 (78.4%) exact matches, in which:
248 unique CDR3
13 unique J



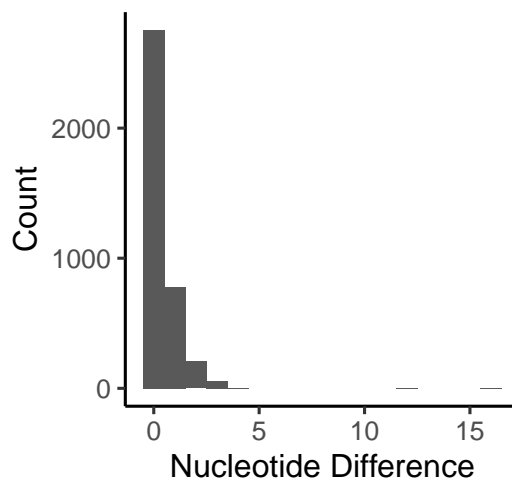
TRBV11-3*01

328 sequences assigned
251 (76.5%) exact matches, in which:
237 unique CDR3
14 unique J



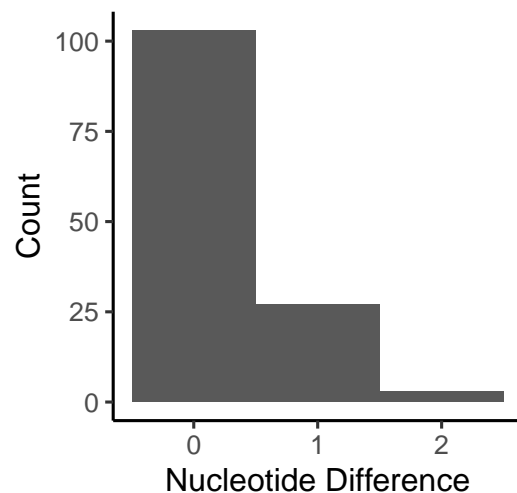
TRBV12-3*01

3799 sequences assigned
2754 (72.5%) exact matches, in which:
2504 unique CDR3
14 unique J



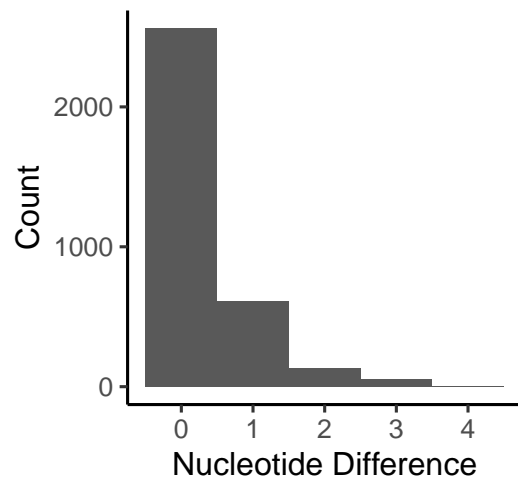
TRBV12-5*01_C28G

133 sequences assigned
103 (77.4%) exact matches, in which:
96 unique CDR3
12 unique J



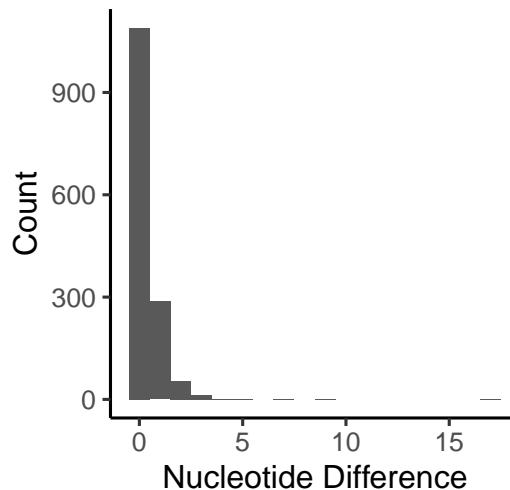
TRBV3-1*01

3359 sequences assigned
2561 (76.2%) exact matches, in which:
2344 unique CDR3
14 unique J



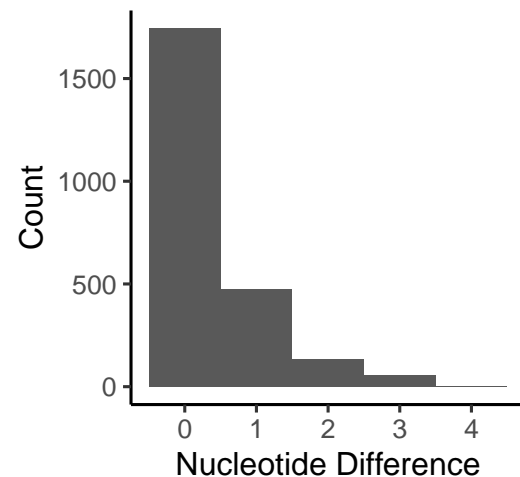
TRBV24-1*01

1449 sequences assigned
1090 (75.2%) exact matches, in which:
1031 unique CDR3
14 unique J



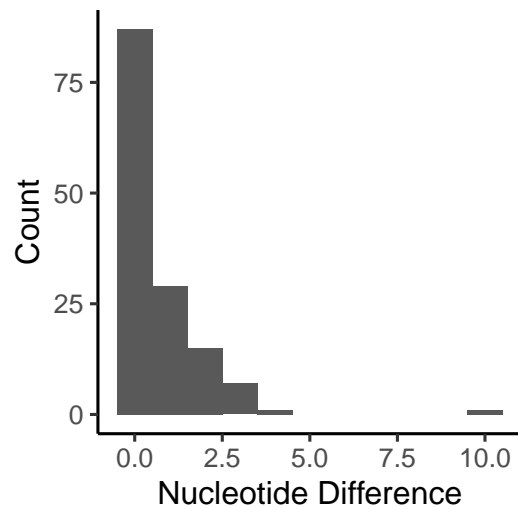
TRBV4-3*01

2408 sequences assigned
1744 (72.4%) exact matches, in which:
1581 unique CDR3
13 unique J



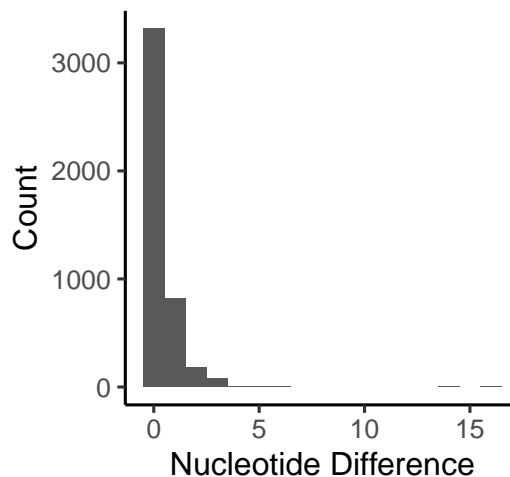
TRBV23-1*01

142 sequences assigned
87 (61.3%) exact matches, in which:
68 unique CDR3
13 unique J



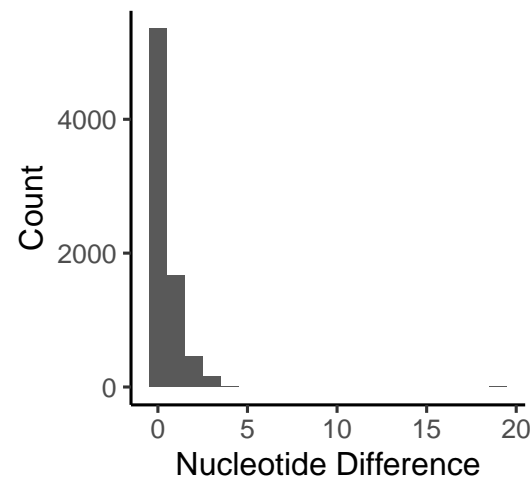
TRBV4-1*01

4402 sequences assigned
3316 (75.3%) exact matches, in which:
3009 unique CDR3
14 unique J



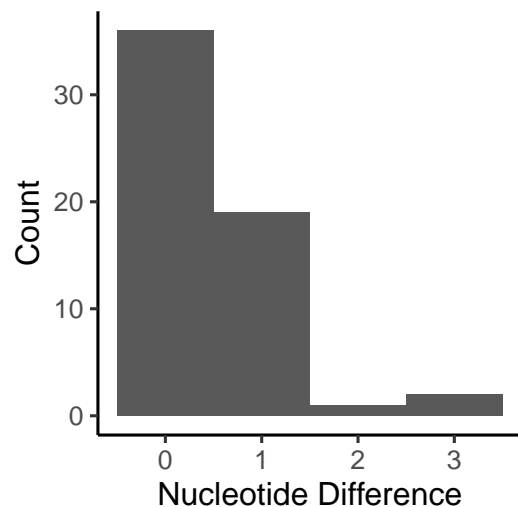
TRBV5-1*01

7635 sequences assigned
5353 (70.1%) exact matches, in which:
4877 unique CDR3
14 unique J



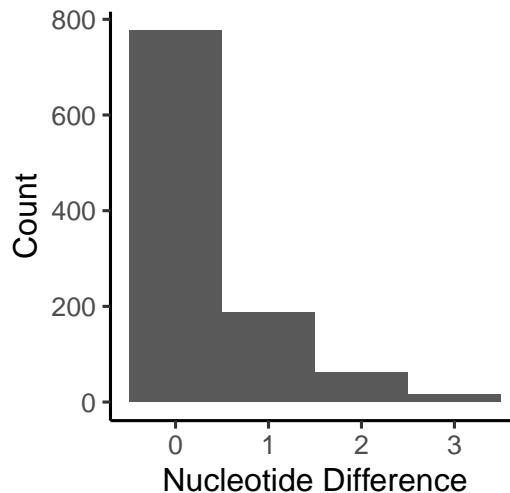
TRBV3-2*01

58 sequences assigned
36 (62.1%) exact matches, in which:
28 unique CDR3
8 unique J



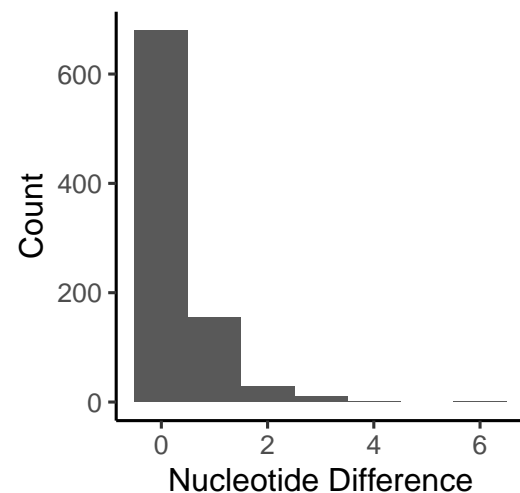
TRBV4-2*01

1040 sequences assigned
777 (74.7%) exact matches, in which:
672 unique CDR3
14 unique J



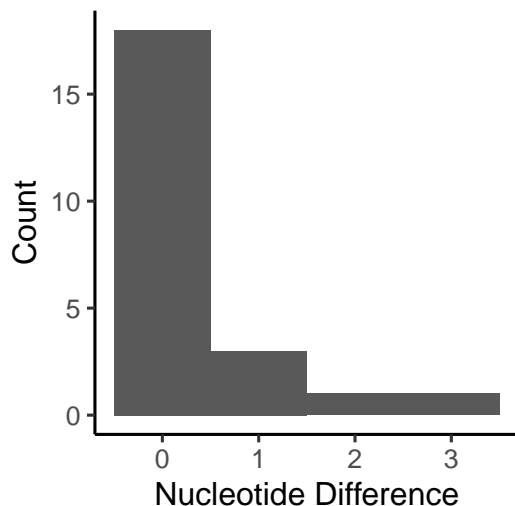
TRBV25-1*01

875 sequences assigned
680 (77.7%) exact matches, in which:
653 unique CDR3
14 unique J



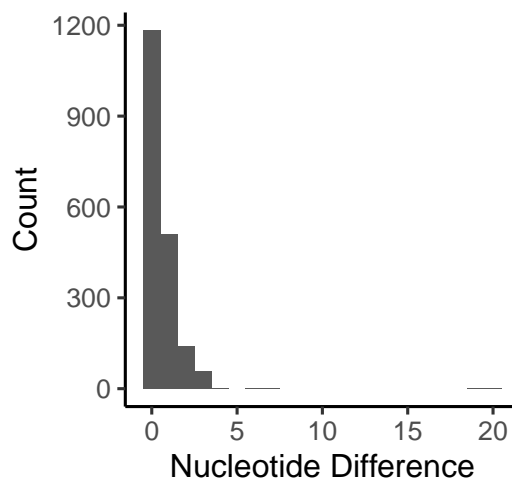
TRBV5-3*01

23 sequences assigned
18 (78.3%) exact matches, in which:
18 unique CDR3
8 unique J



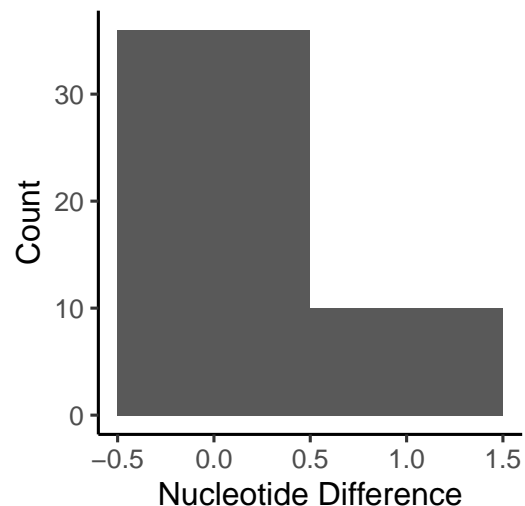
TRBV5-6*01

1899 sequences assigned
1183 (62.3%) exact matches, in which:
864 unique CDR3
14 unique J



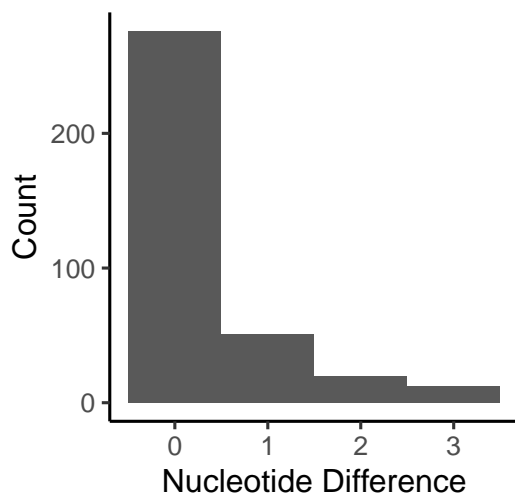
TRBV5-8*01_C56T_C276

46 sequences assigned
36 (78.3%) exact matches, in which:
34 unique CDR3
10 unique J



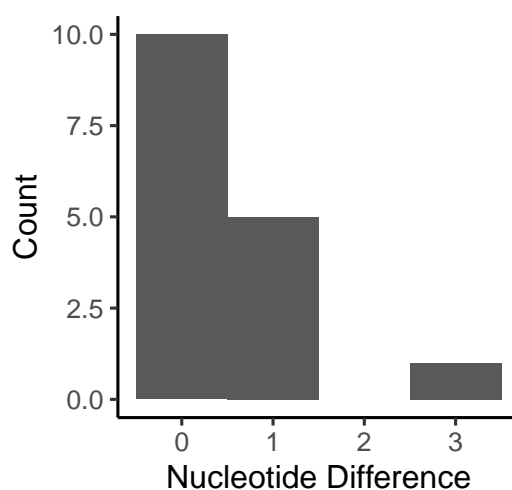
TRBV5-4*01

359 sequences assigned
276 (76.9%) exact matches, in which:
244 unique CDR3
14 unique J



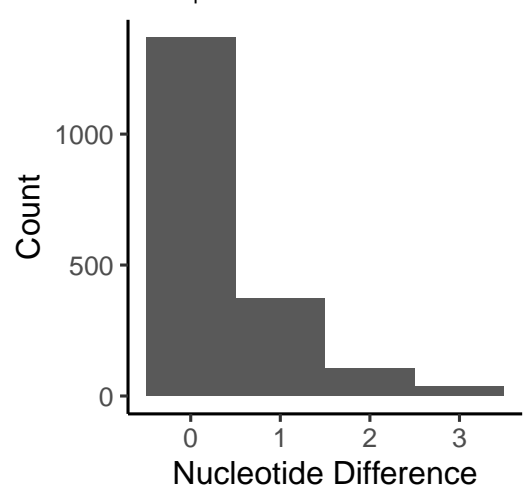
TRBV5-7*01

16 sequences assigned
10 (62.5%) exact matches, in which:
10 unique CDR3
6 unique J



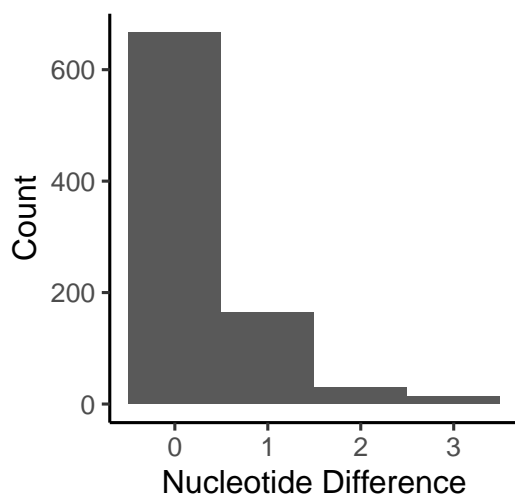
TRBV6-1*01

1886 sequences assigned
1368 (72.5%) exact matches, in which:
1202 unique CDR3
14 unique J



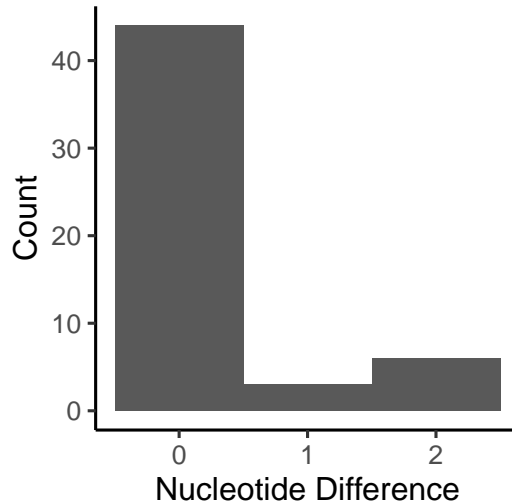
TRBV5-5*02_322TTGG3

875 sequences assigned
667 (76.2%) exact matches, in which:
627 unique CDR3
14 unique J



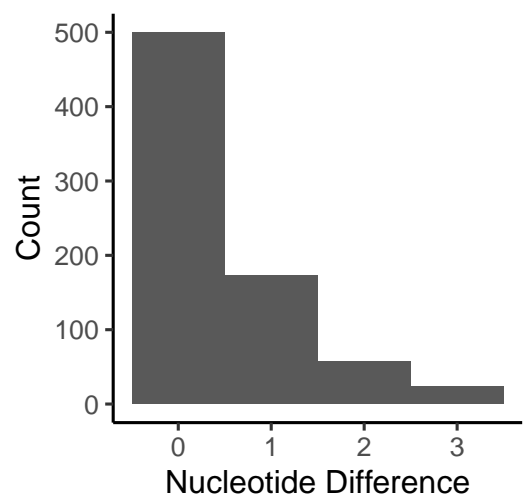
TRBV5-8*01

54 sequences assigned
44 (81.5%) exact matches, in which:
42 unique CDR3
11 unique J



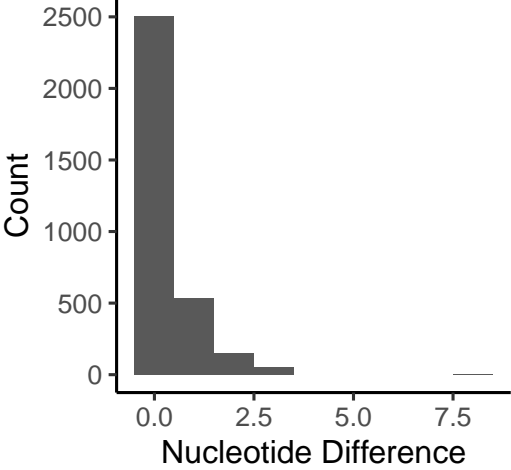
TRBV6-4*01

753 sequences assigned
500 (66.4%) exact matches, in which:
358 unique CDR3
14 unique J



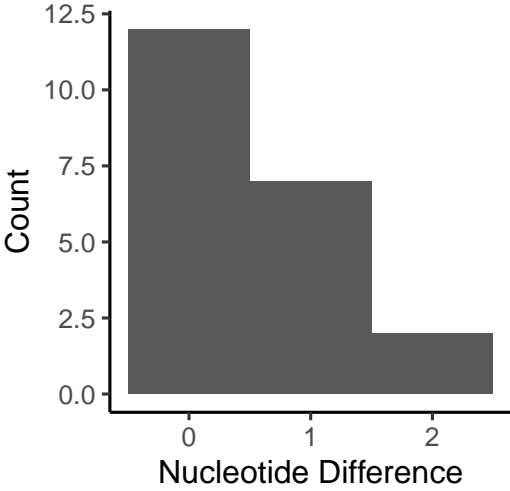
TRBV6-5*01

3239 sequences assigned
2503 (77.3%) exact matches, in which:
2365 unique CDR3
14 unique J



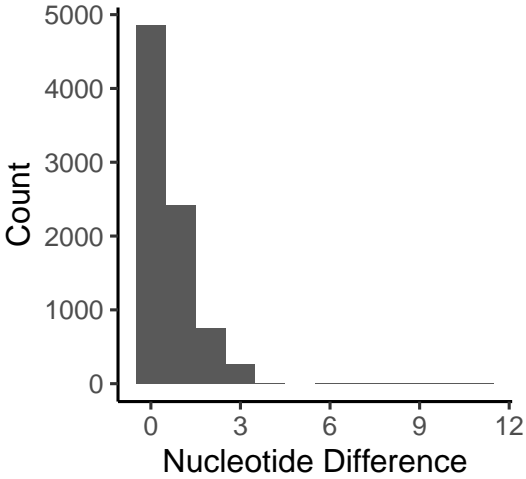
TRBV6-8*01

21 sequences assigned
12 (57.1%) exact matches, in which:
11 unique CDR3
6 unique J



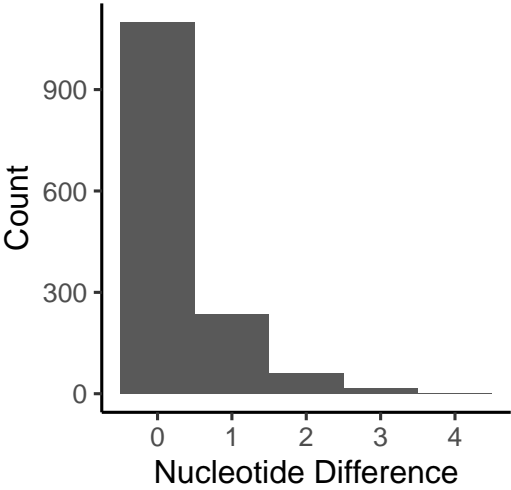
TRBV7-2*01

8315 sequences assigned
4854 (58.4%) exact matches, in which:
3663 unique CDR3
14 unique J



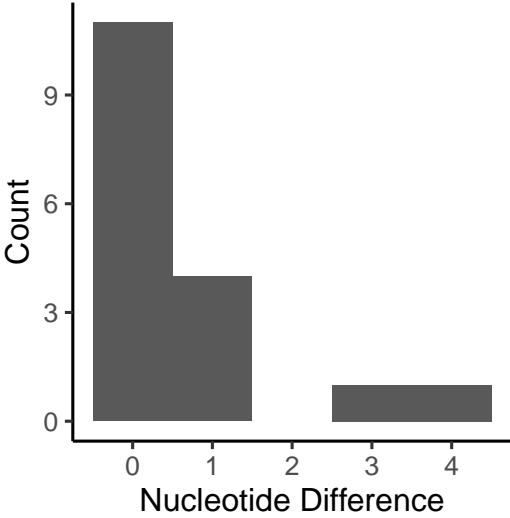
TRBV6-6*01

1414 sequences assigned
1100 (77.8%) exact matches, in which:
1039 unique CDR3
14 unique J



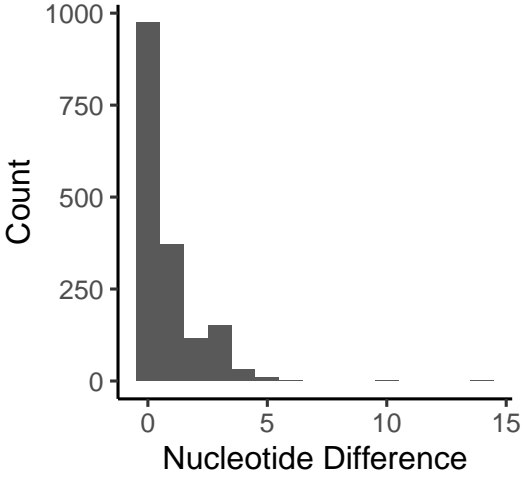
TRBV6-9*01_A303G

17 sequences assigned
11 (64.7%) exact matches, in which:
10 unique CDR3
7 unique J



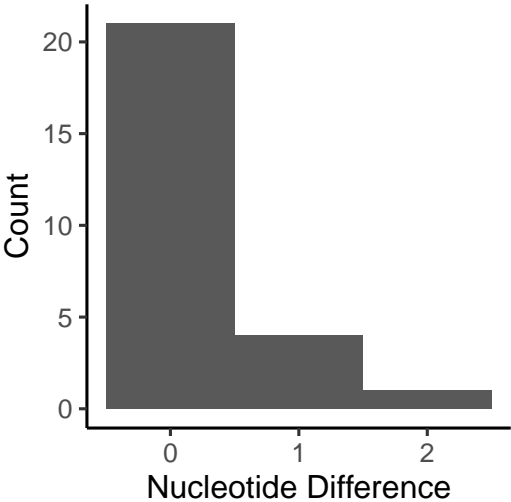
TRBV7-3*01

1656 sequences assigned
974 (58.8%) exact matches, in which:
764 unique CDR3
13 unique J



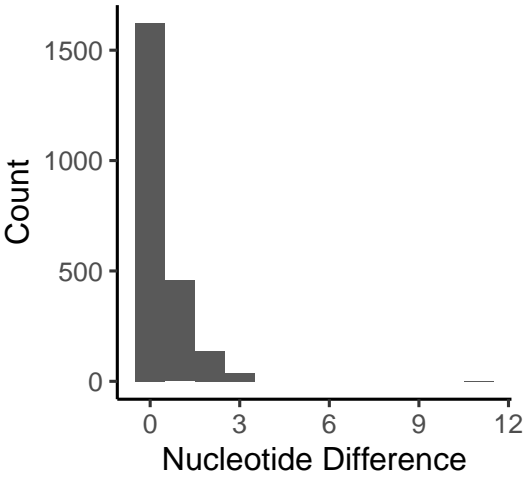
TRBV6-7*01

26 sequences assigned
21 (80.8%) exact matches, in which:
21 unique CDR3
8 unique J



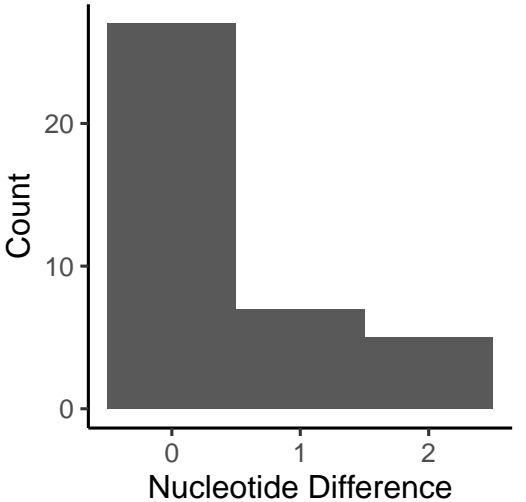
TRBV6-23*01

2255 sequences assigned
1623 (72%) exact matches, in which:
1382 unique CDR3
14 unique J



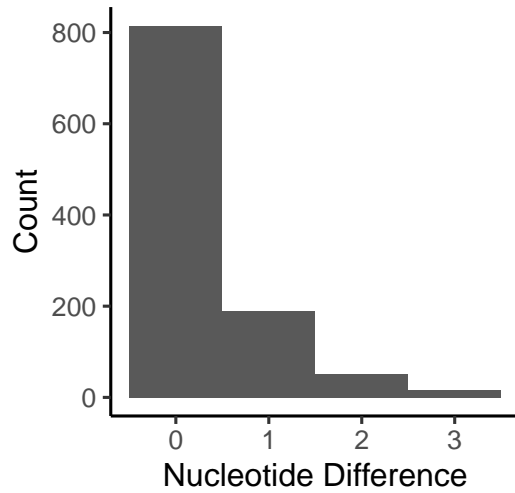
TRBV7-4*01

39 sequences assigned
27 (69.2%) exact matches, in which:
25 unique CDR3
9 unique J



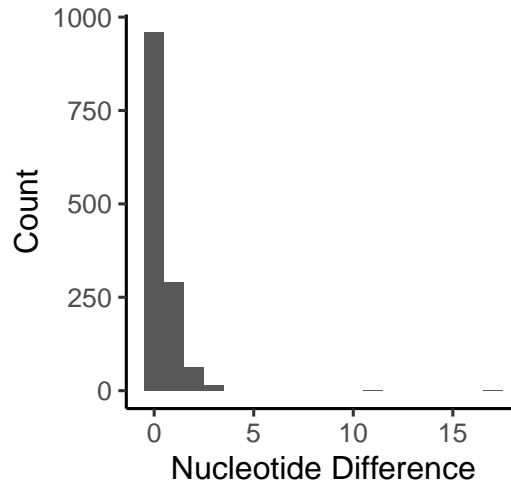
TRBV7-6*01

1072 sequences assigned
815 (76%) exact matches, in which:
743 unique CDR3
14 unique J



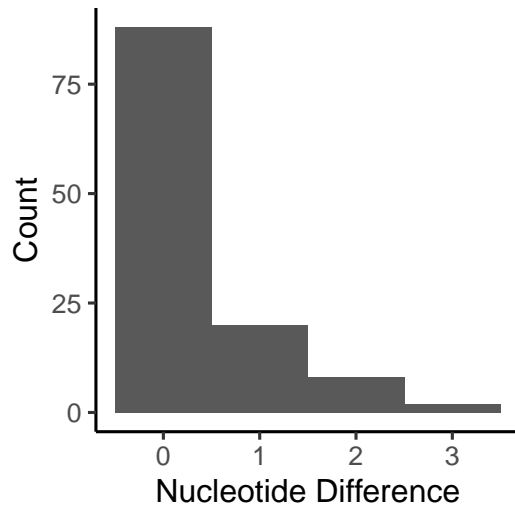
TRBV7-8*01

1331 sequences assigned
959 (72.1%) exact matches, in which:
855 unique CDR3
14 unique J



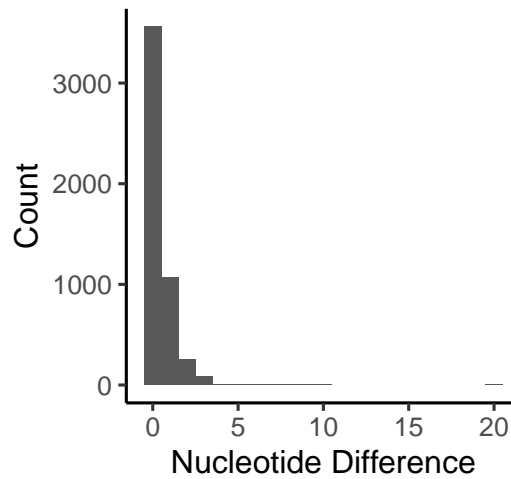
TRBV7-7*01

118 sequences assigned
88 (74.6%) exact matches, in which:
79 unique CDR3
10 unique J



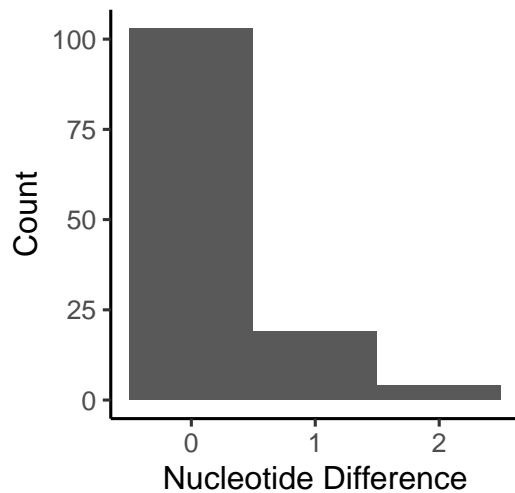
TRBV7-9*03

4984 sequences assigned
3560 (71.4%) exact matches, in which:
3234 unique CDR3
14 unique J



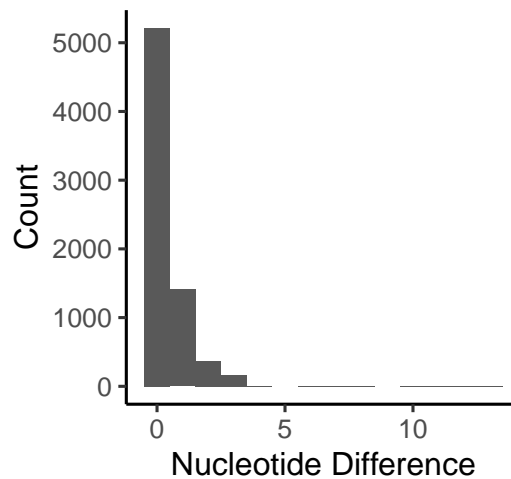
TRBV7-7*01_C315T

126 sequences assigned
103 (81.7%) exact matches, in which:
94 unique CDR3
10 unique J

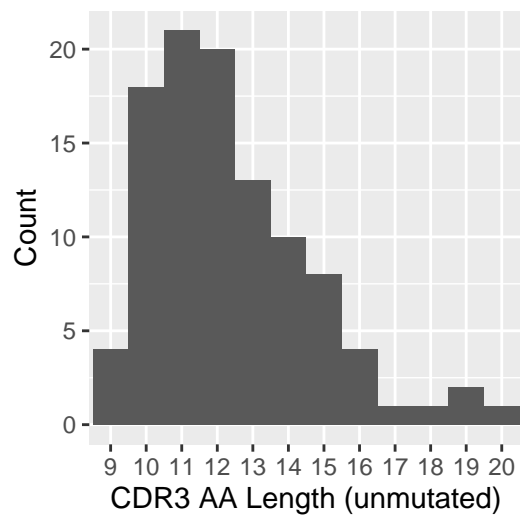


TRBV29-1*01

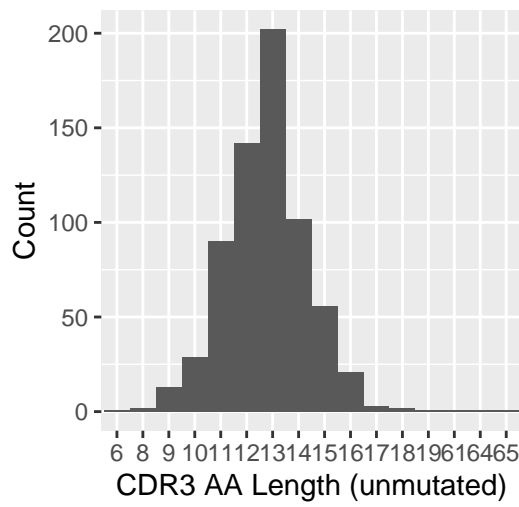
7179 sequences assigned
5214 (72.6%) exact matches, in which:
4833 unique CDR3
14 unique J



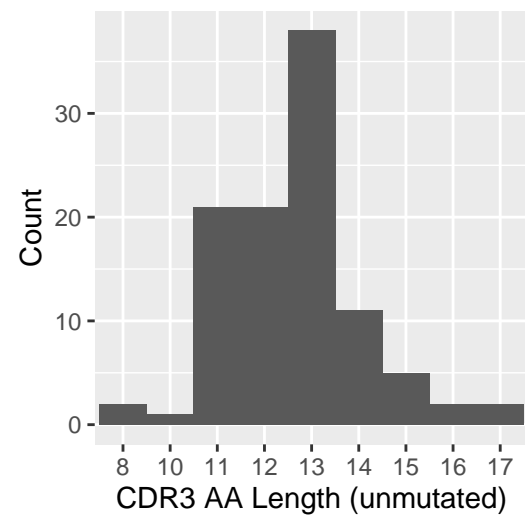
TRBV12-5*01_C28G



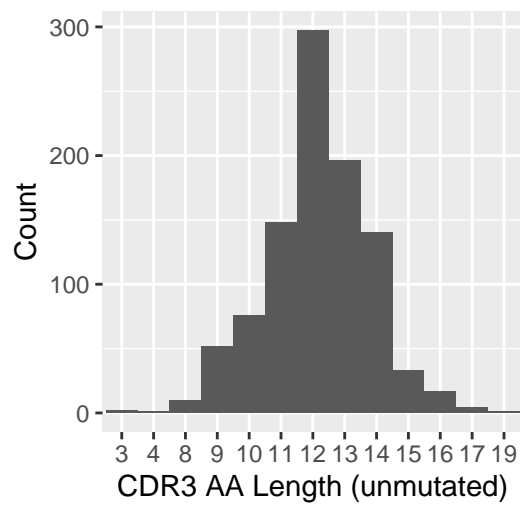
TRBV5-5*02_322TTGG325



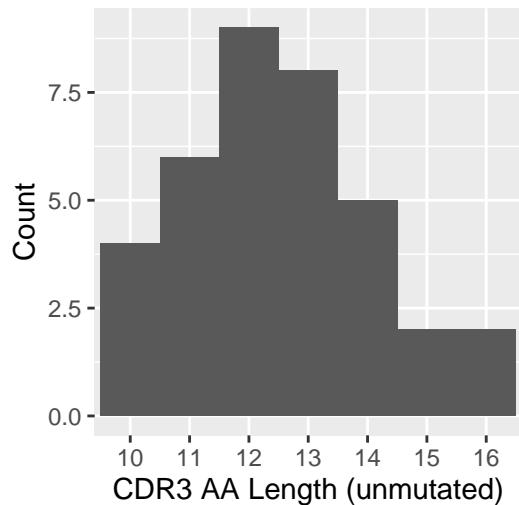
TRBV7-7*01_C315T



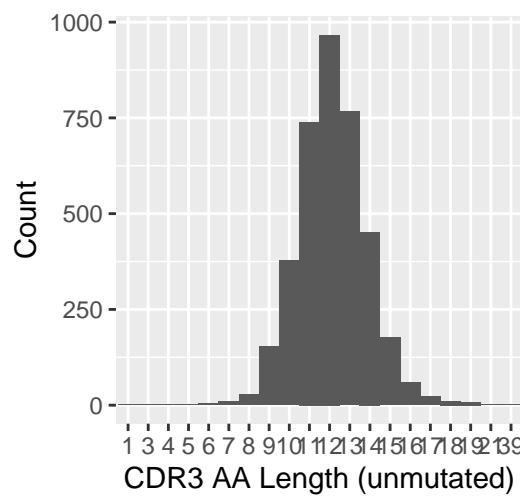
TRBV2*02_322GAAGC326



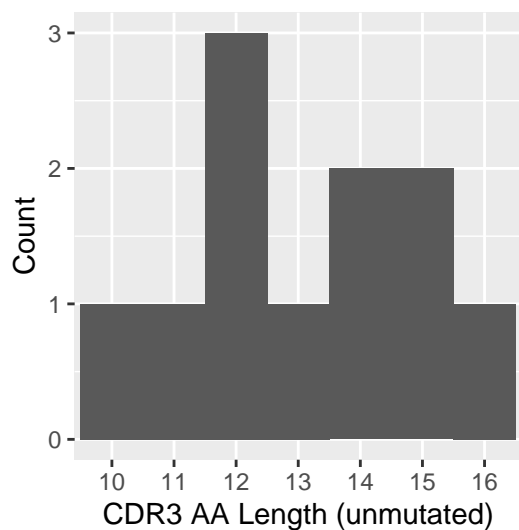
TRBV5-8*01_C56T_C276T

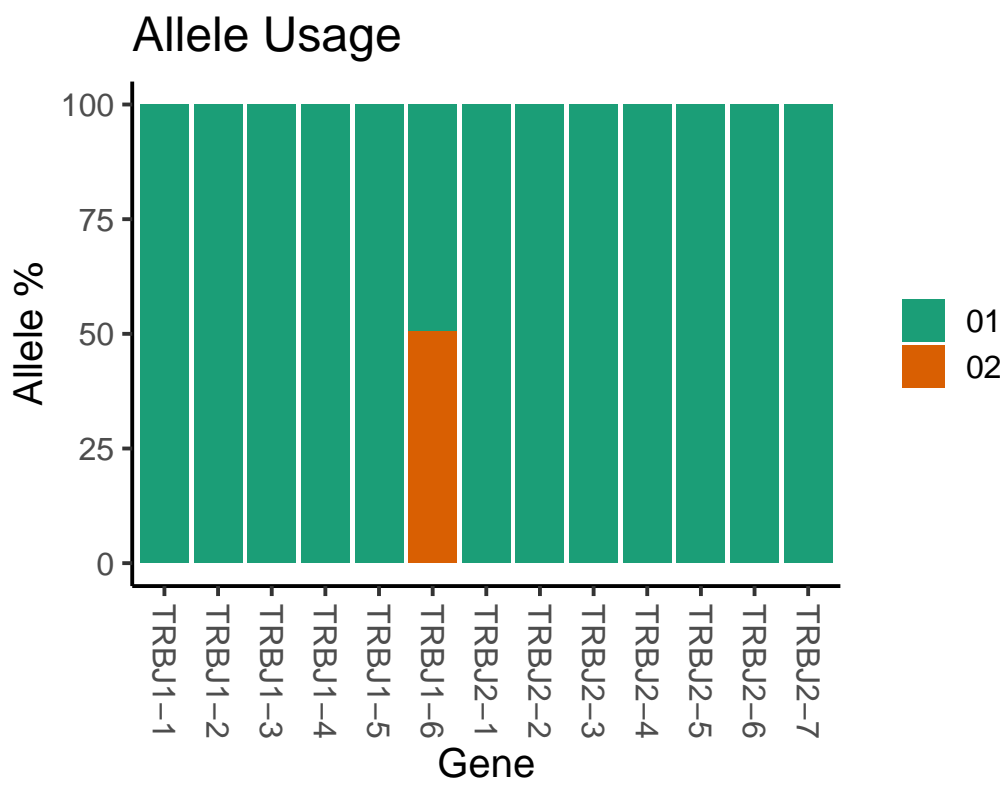


TRBV20-1*02_319AGAGA



TRBV6-9*01_A303G





Sequence Count by TRBJ1–6 allele usage

