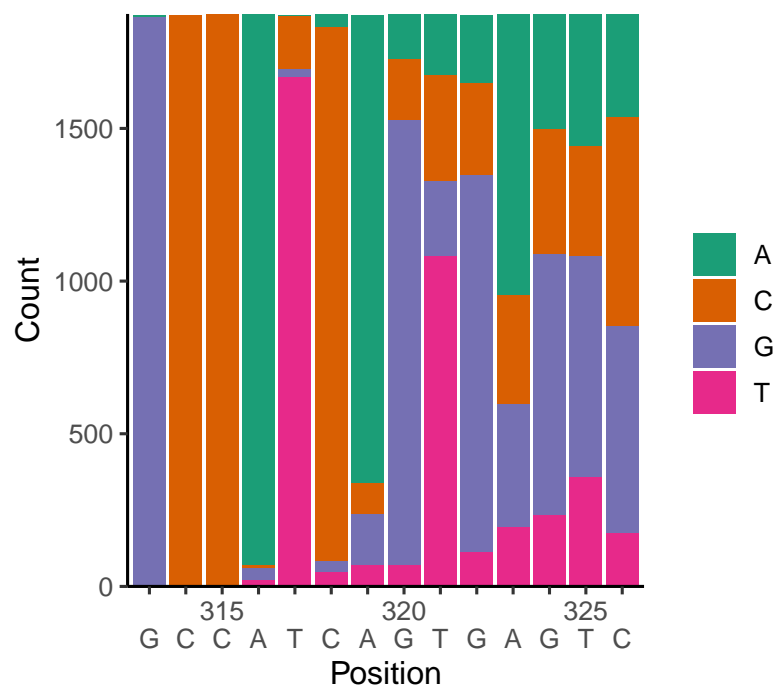
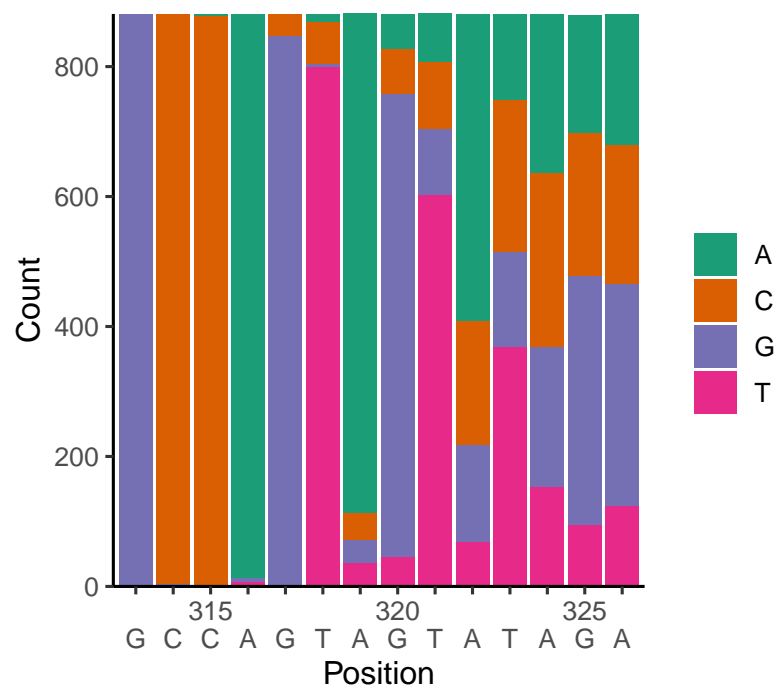


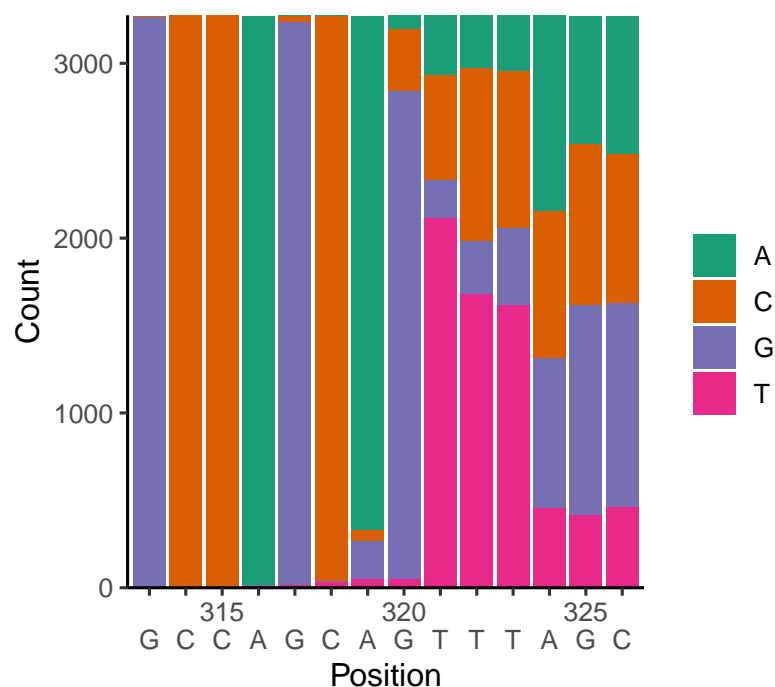
Gene TRBV10-3*03_313GCCATCAGTG



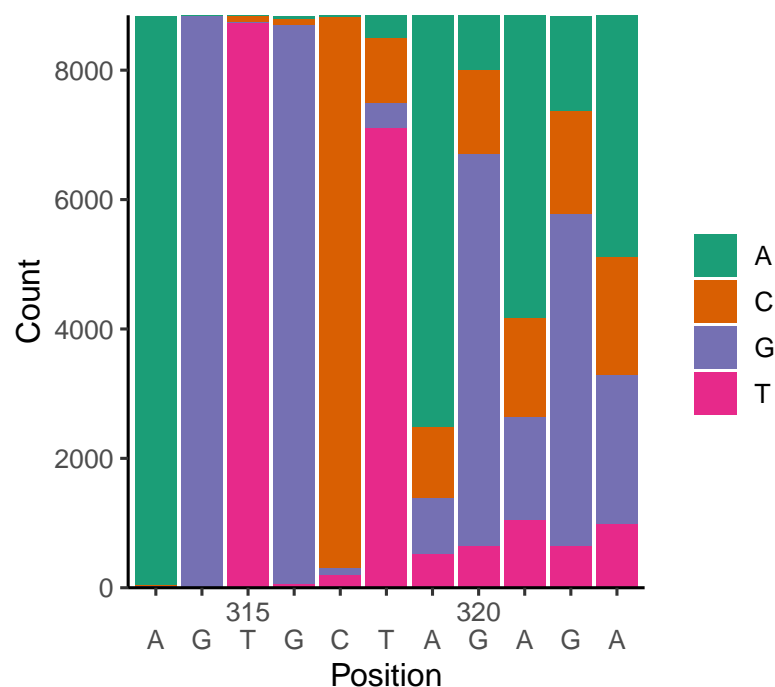
Gene TRBV19*01_A24G



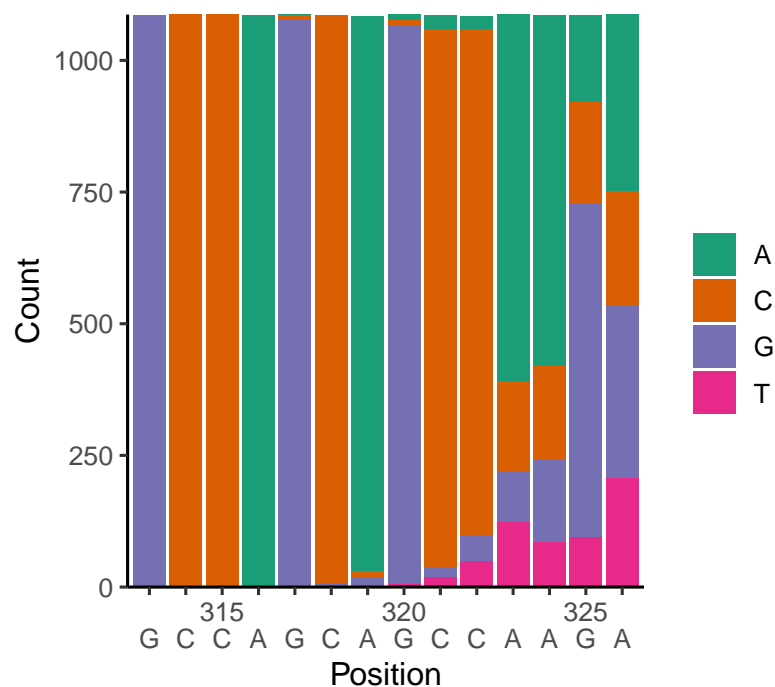
Gene TRBV12-4*01_C87T



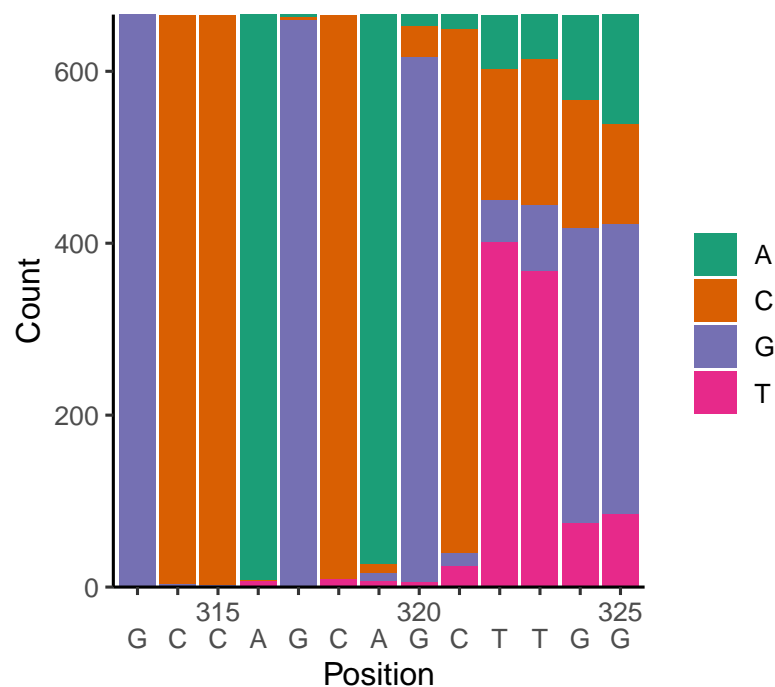
Gene TRBV20-1*02_319AGAGA323



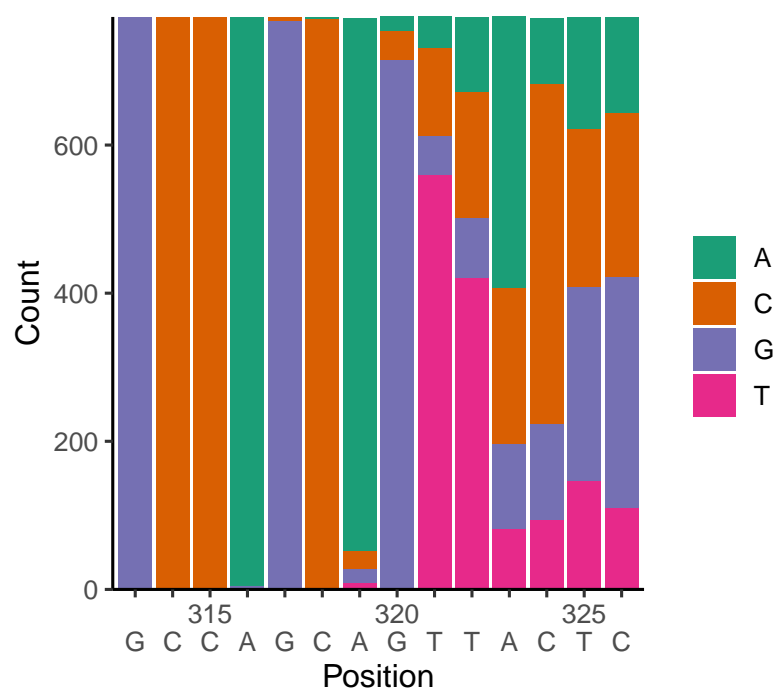
Gene TRBV14*02_322CAAGA326



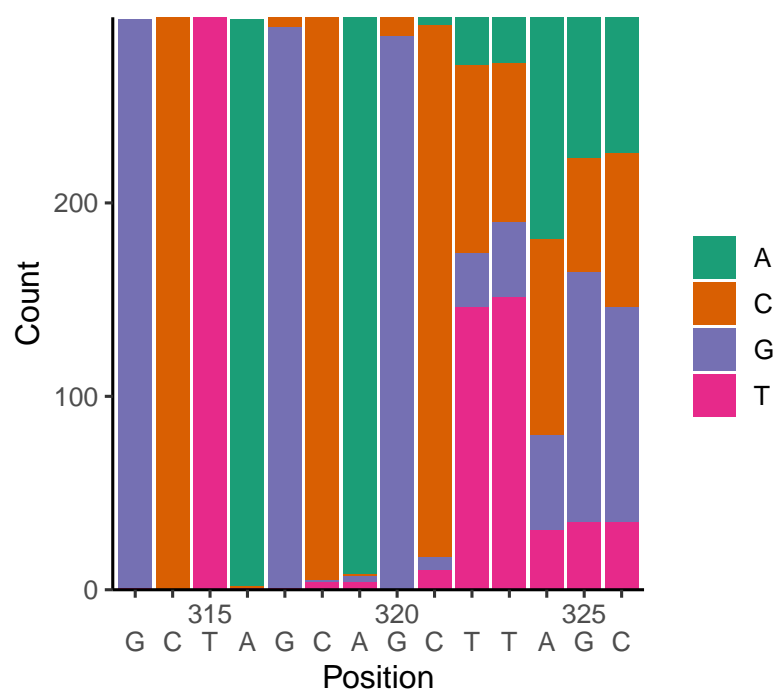
Gene TRBV5-5*02_322TTGG325



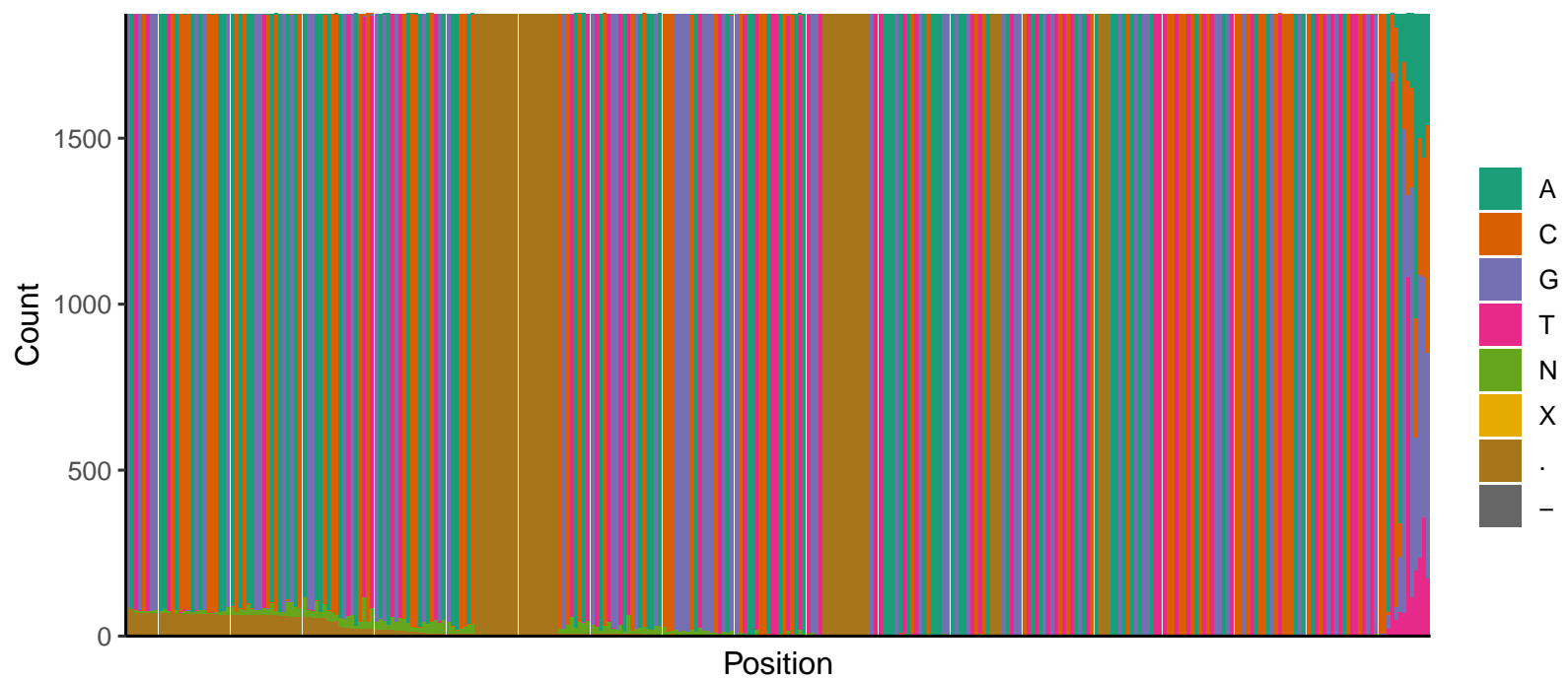
Gene TRBV6-23*01_G47A



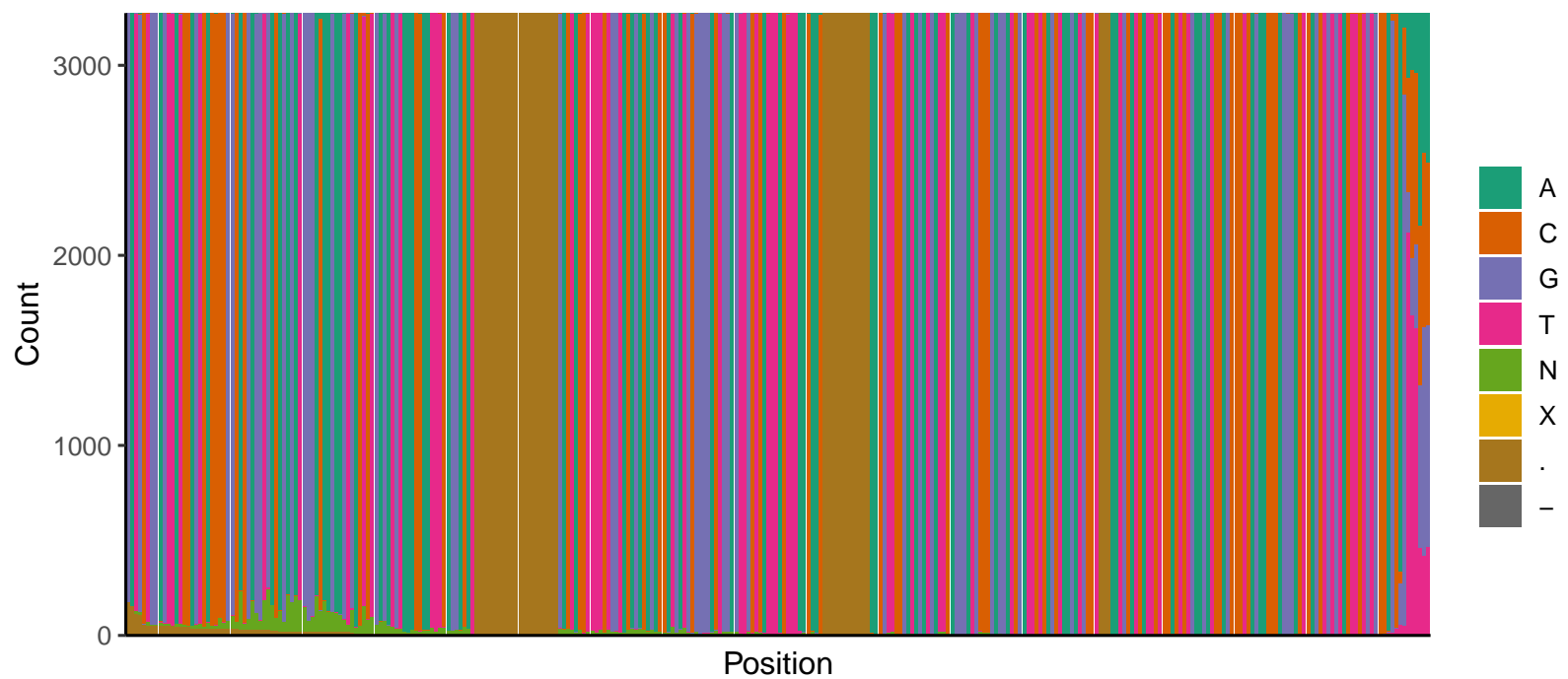
Gene TRBV7-7*01_C315T



Gene TRBV10-3*03_313GCCATCAGTGAGTC326



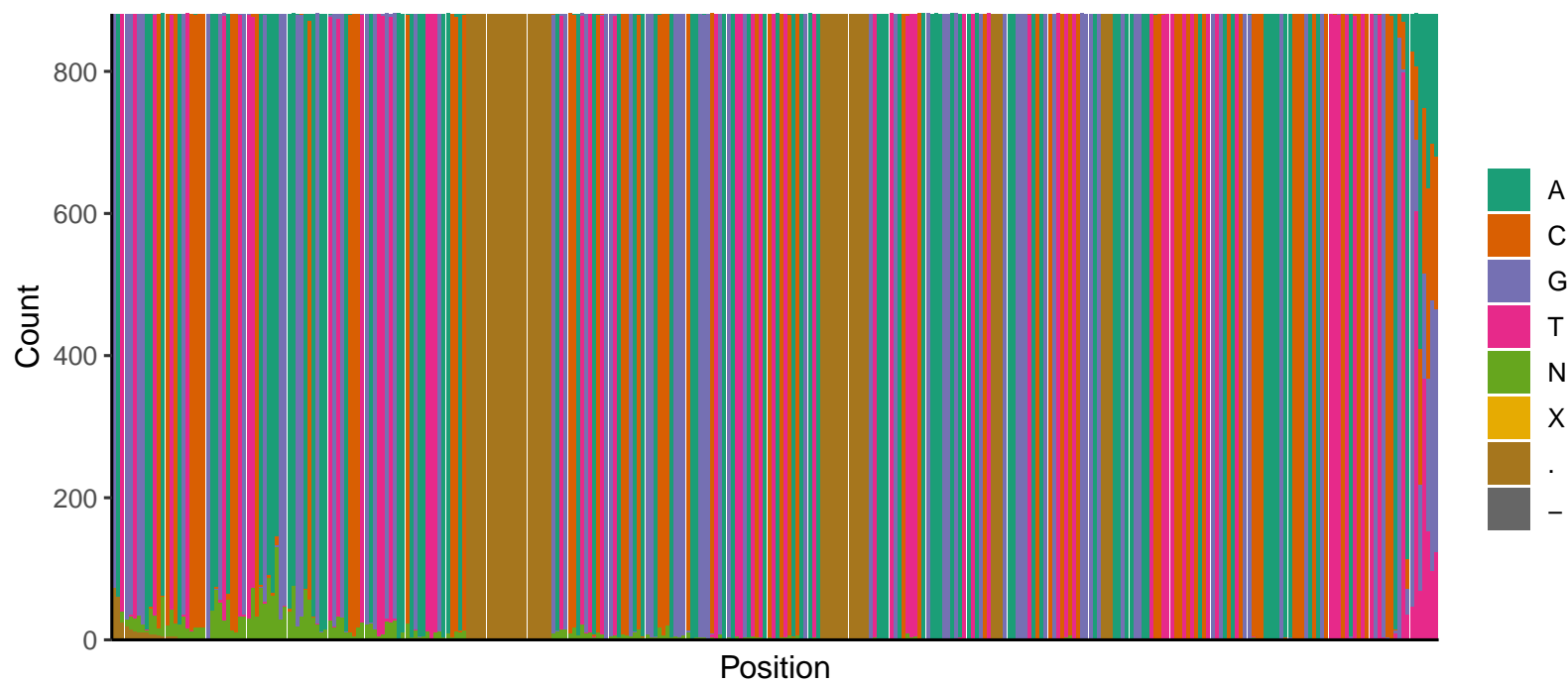
Gene TRBV12-4*01_C87T



Gene TRBV14*02_322CAAGA326



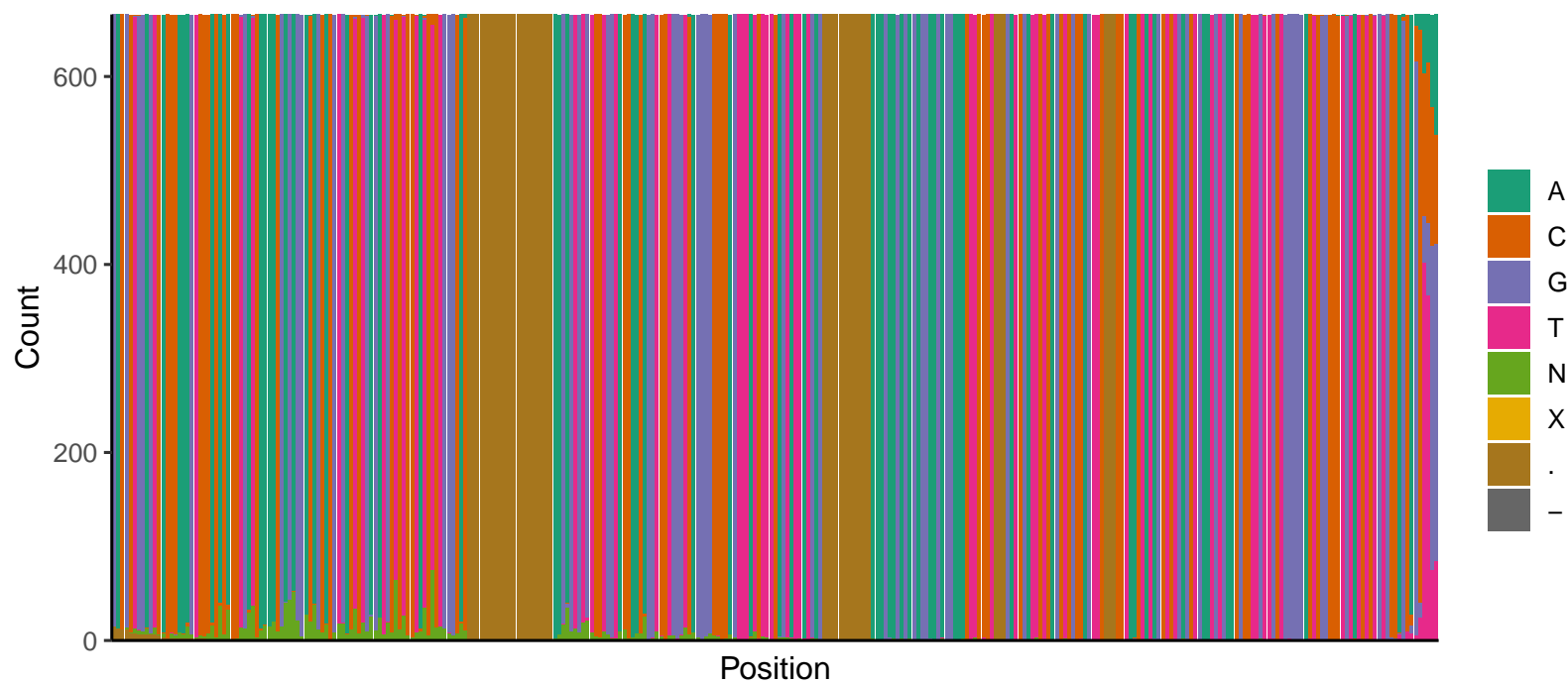
Gene TRBV19*01_A24G



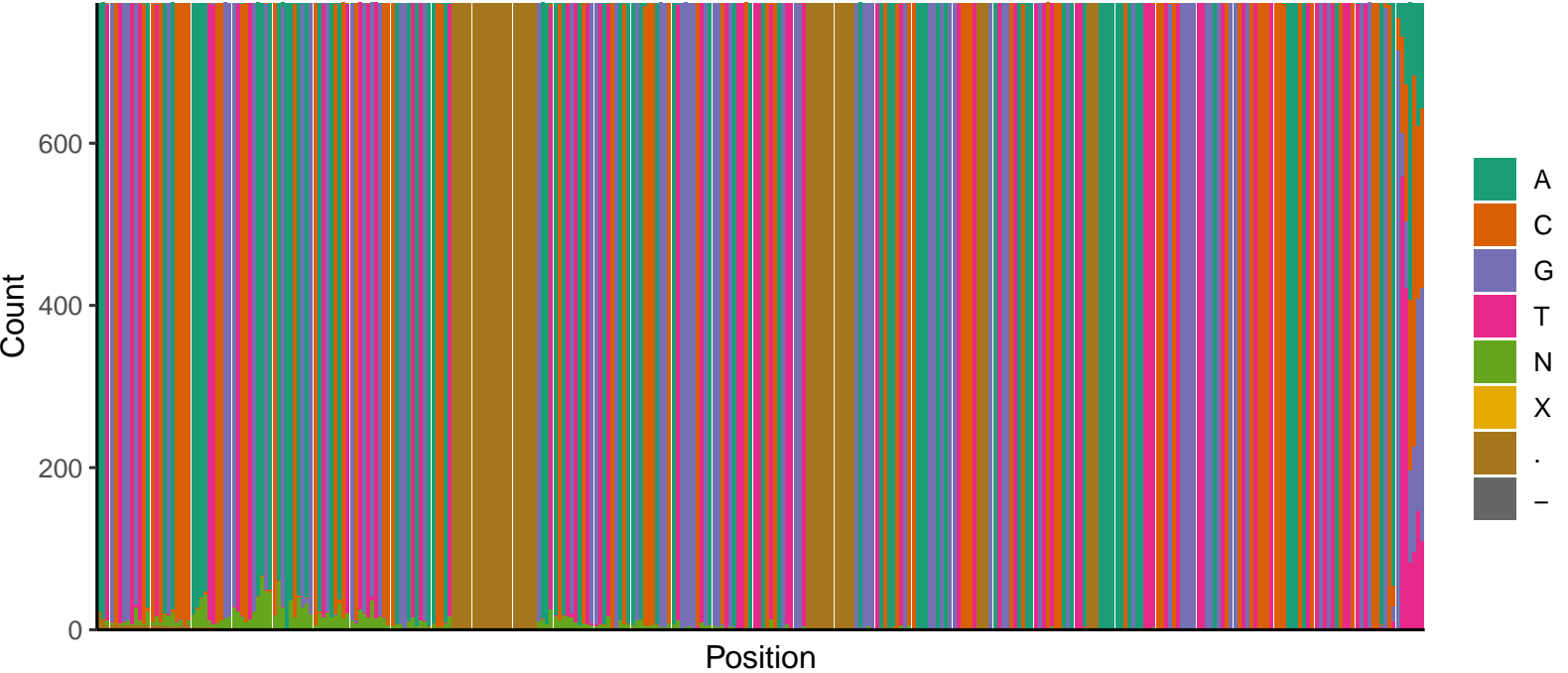
Gene TRBV20-1*02_319AGAGA323



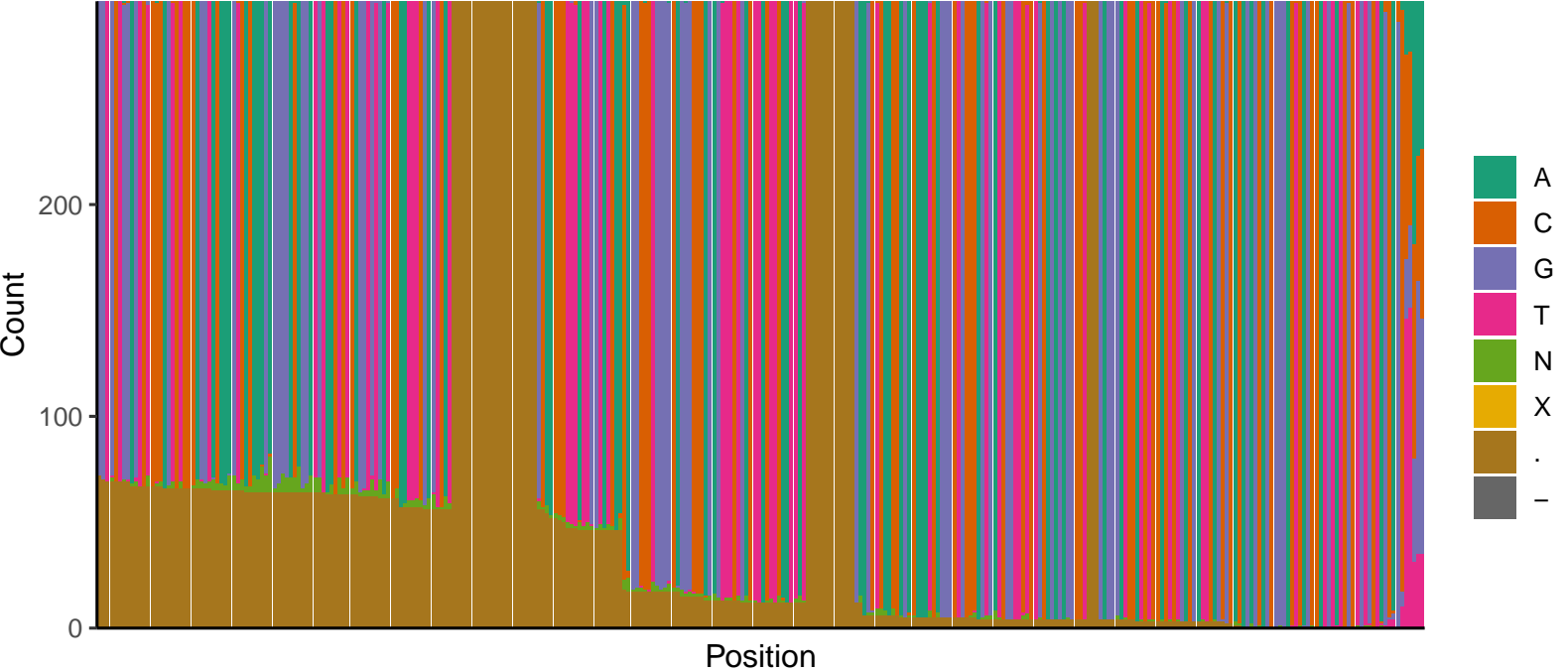
Gene TRBV5-5*02_322TTGG325



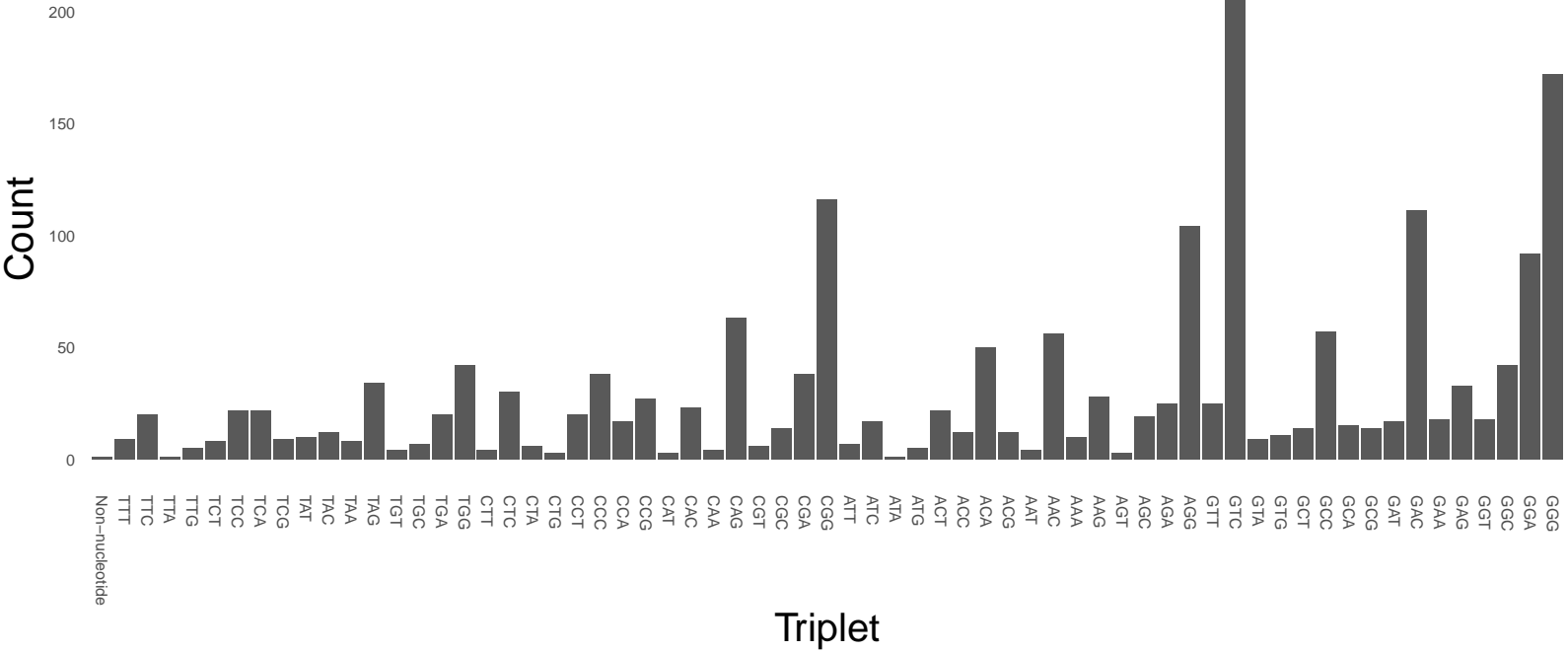
Gene TRBV6-23*01_G47A



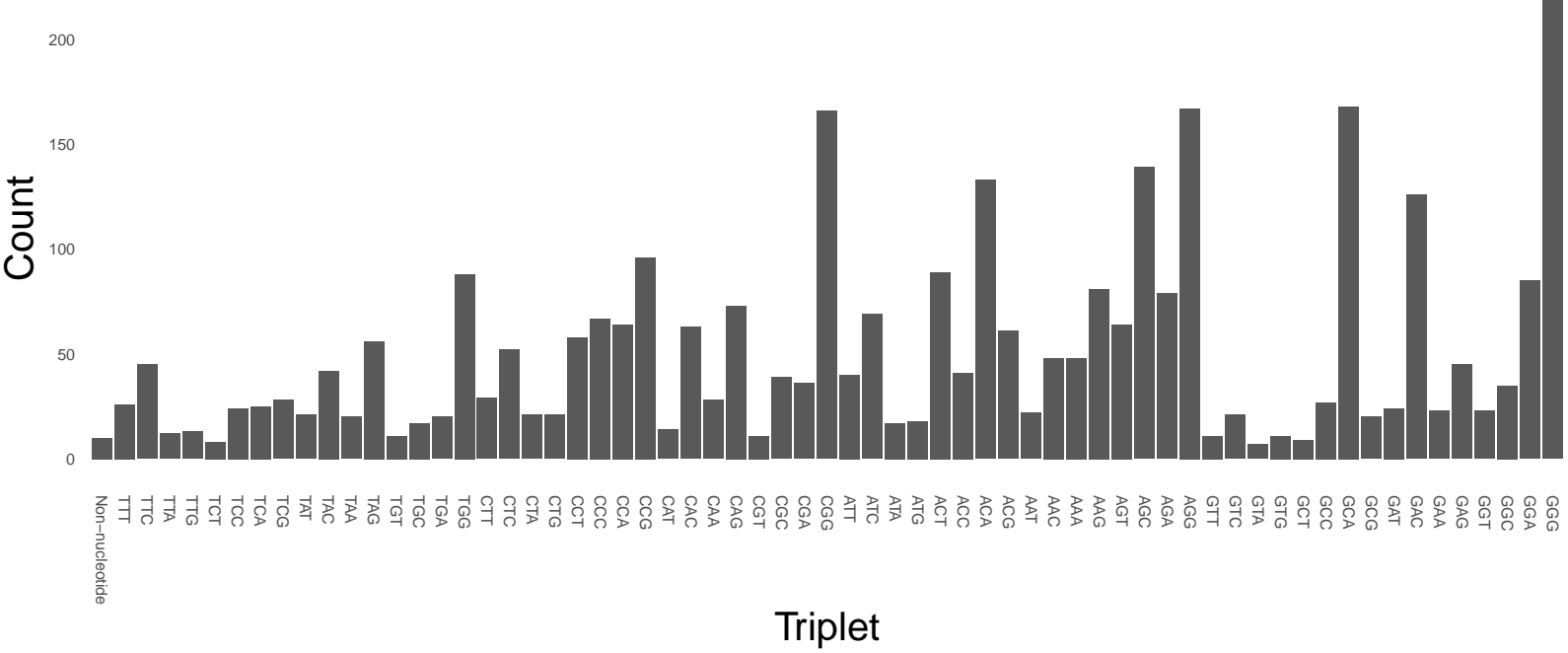
Gene TRBV7-7*01_C315T



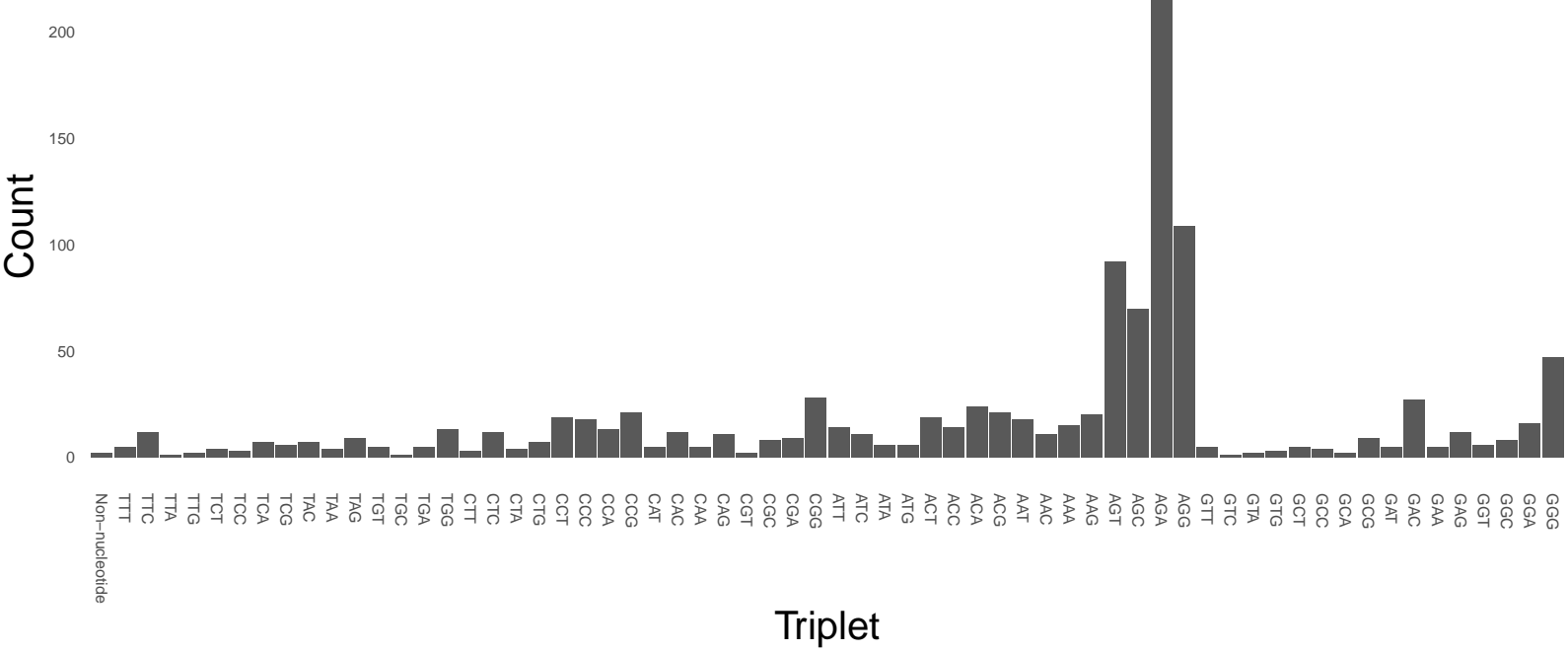
TRBV10–3*03_313GCCATCAGTGAGTC326– Final 3 nucleotides as a triplet



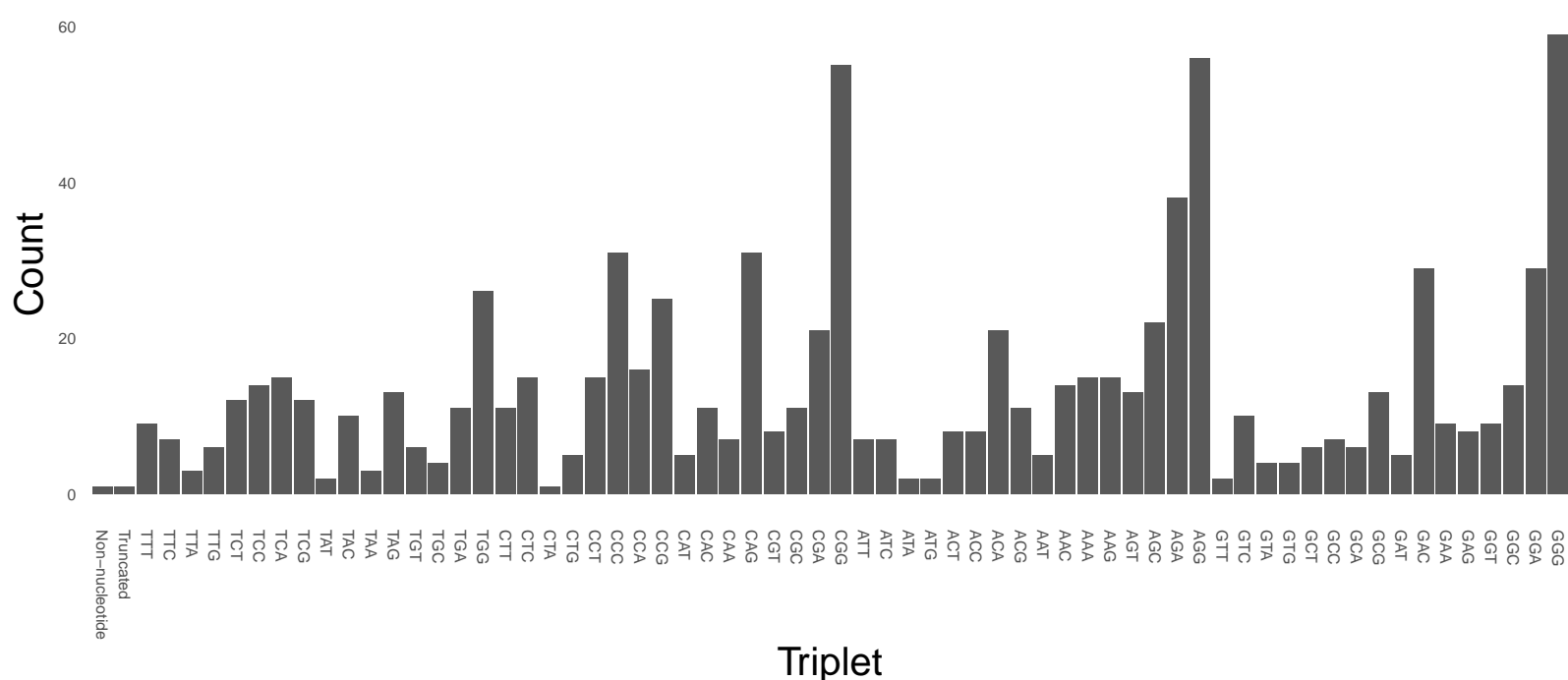
TRBV12–4*01_C87T– Final 3 nucleotides as a triplet



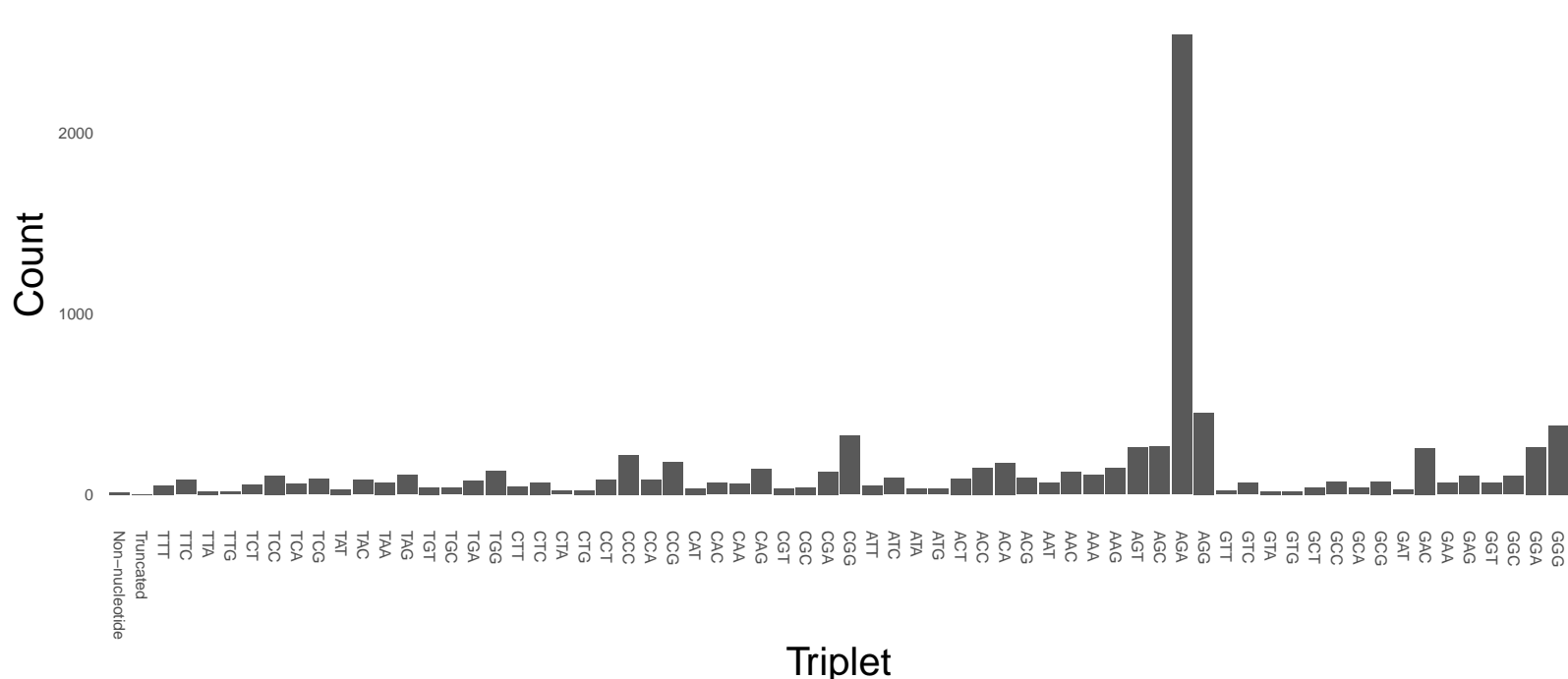
TRBV14*02_322CAAGA326– Final 3 nucleotides as a triplet



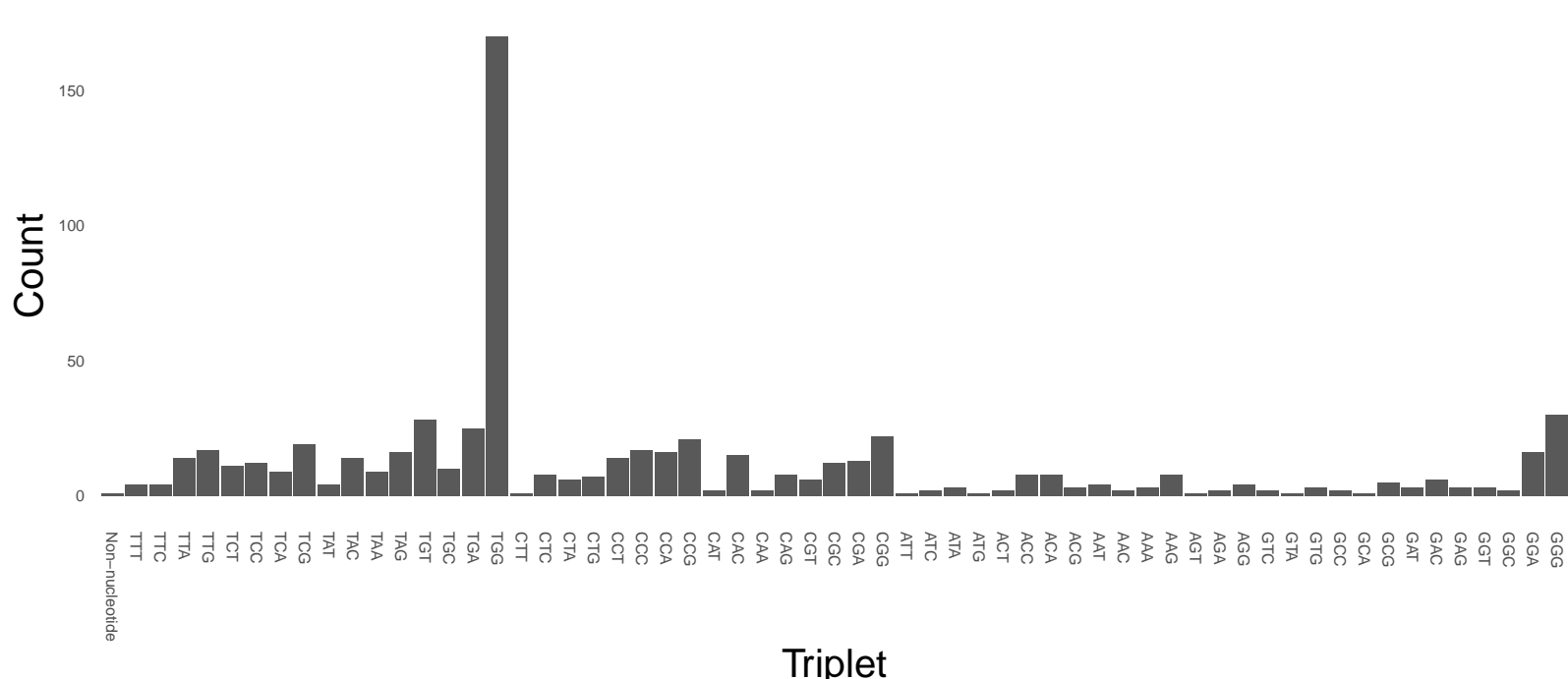
TRBV19*01_A24G– Final 3 nucleotides as a triplet



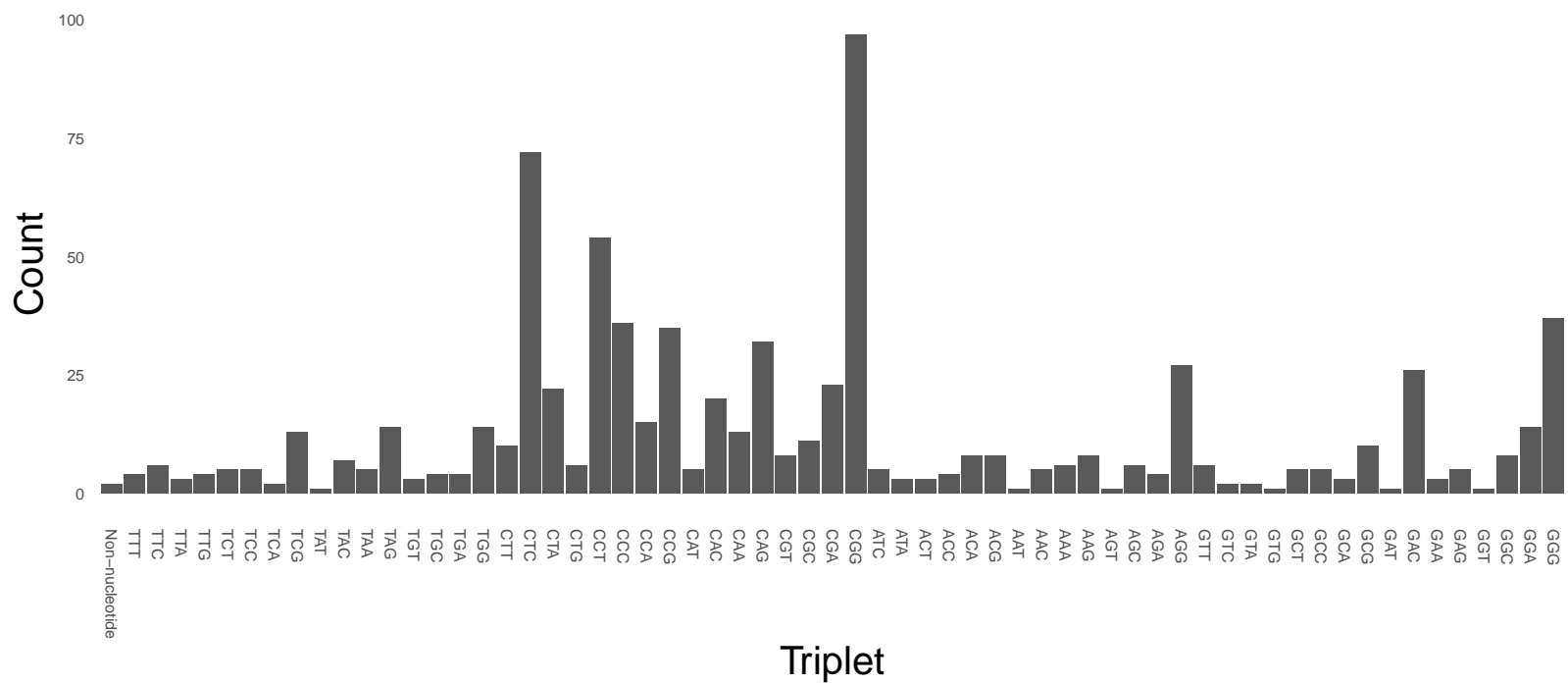
TRBV20–1*02_319AGAGA323– Final 3 nucleotides as a triplet



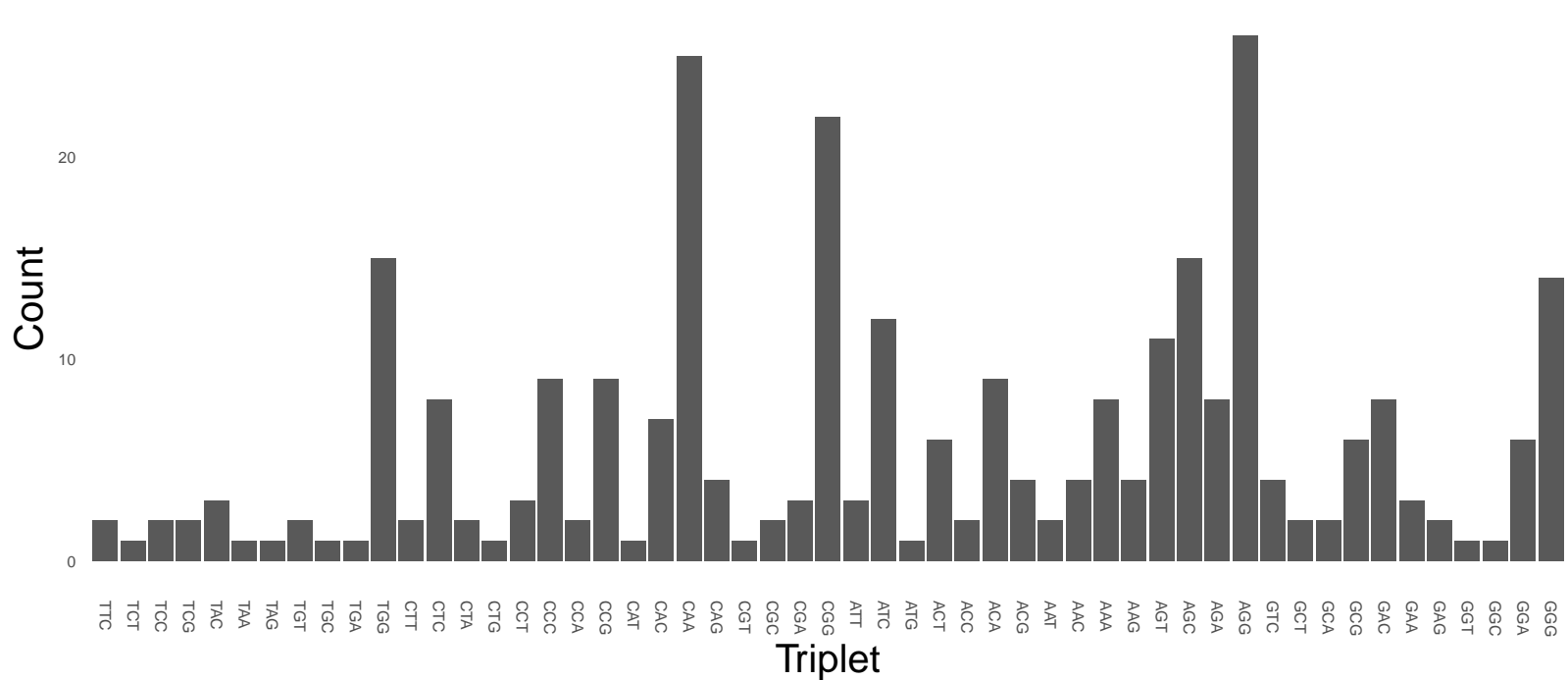
TRBV5–5*02_322TTGG325– Final 3 nucleotides as a triplet



TRBV6-23*01_G47A- Final 3 nucleotides as a triplet

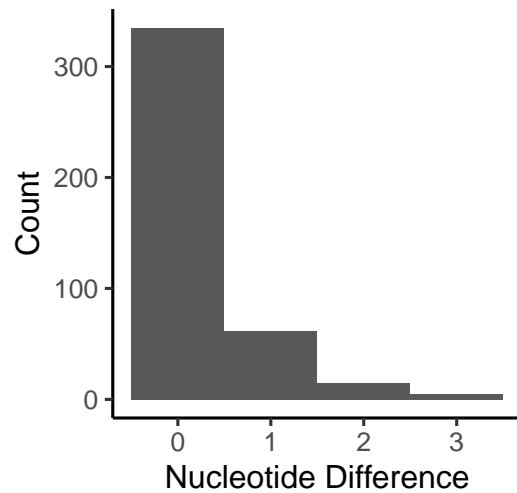


TRBV7-7*01_C315T- Final 3 nucleotides as a triplet



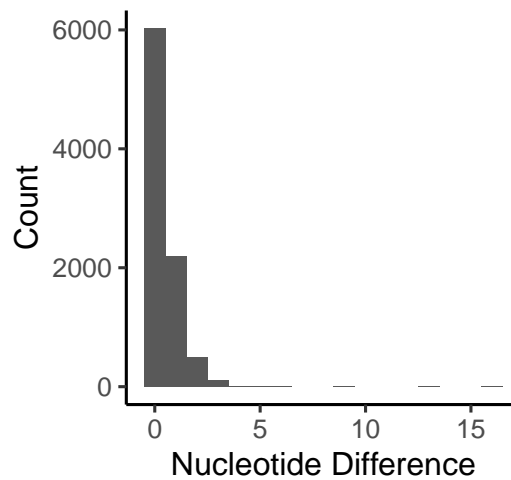
TRBV10-1*01

417 sequences assigned
335 (80.3%) exact matches, in which:
308 unique CDR3
13 unique J



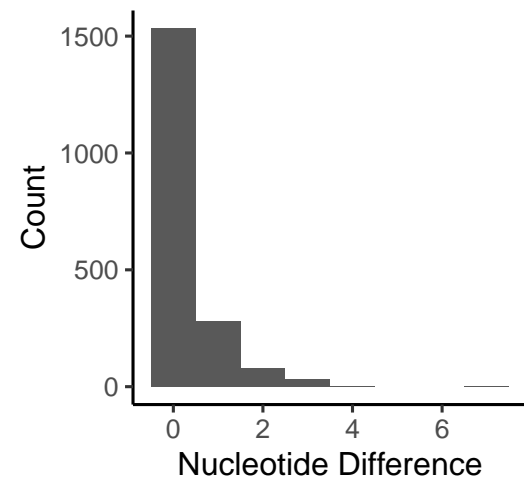
TRBV20-1*02_319AGAC

8850 sequences assigned
6025 (68.1%) exact matches, in which:
5412 unique CDR3
13 unique J



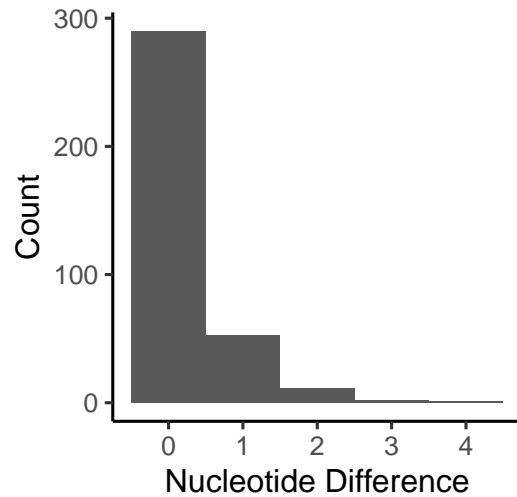
TRBV10-3*01

1926 sequences assigned
1533 (79.6%) exact matches, in which:
1386 unique CDR3
13 unique J



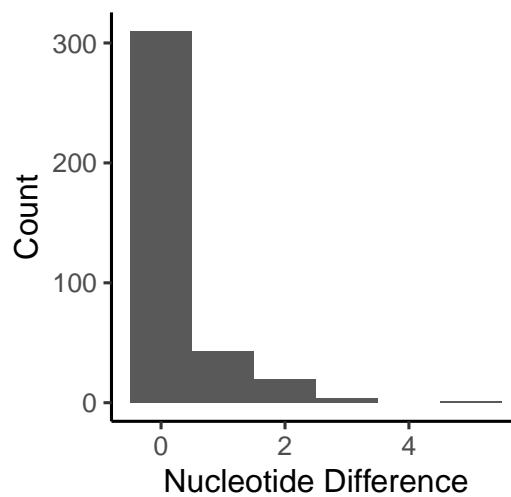
TRBV10-1*02

357 sequences assigned
290 (81.2%) exact matches, in which:
271 unique CDR3
13 unique J



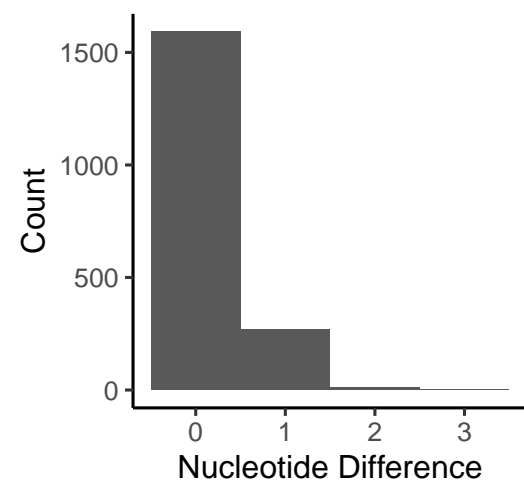
TRBV10-2*01

378 sequences assigned
310 (82%) exact matches, in which:
287 unique CDR3
13 unique J



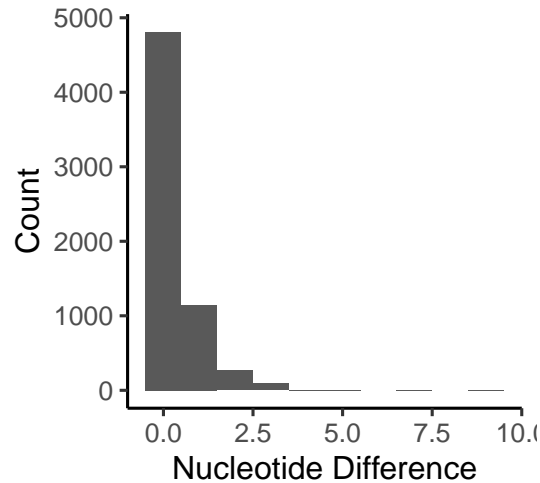
TRBV10-3*03_313GCC

1875 sequences assigned
1592 (84.9%) exact matches, in which:
1443 unique CDR3
13 unique J



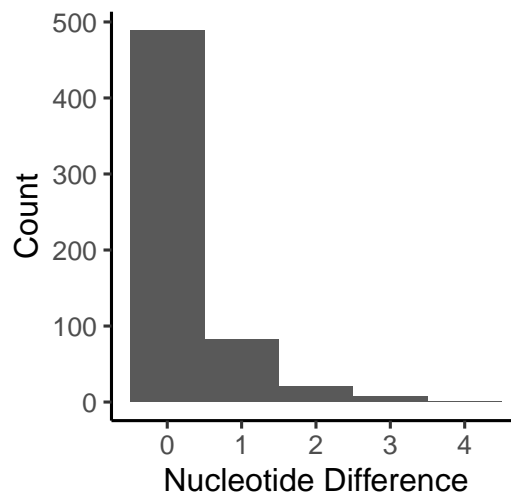
TRBV20-1*05

6319 sequences assigned
4808 (76.1%) exact matches, in which:
4073 unique CDR3
13 unique J



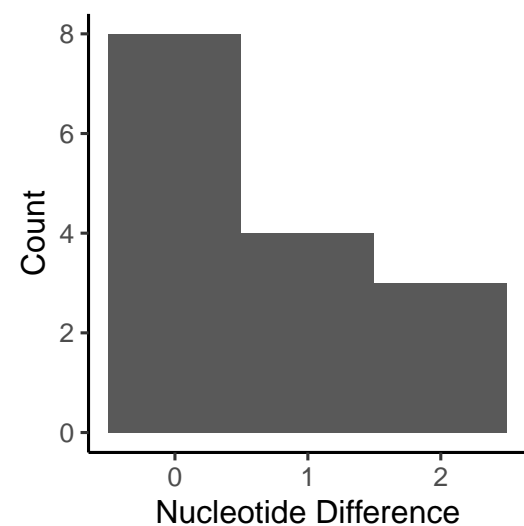
TRBV10-2*02

599 sequences assigned
489 (81.6%) exact matches, in which:
406 unique CDR3
13 unique J



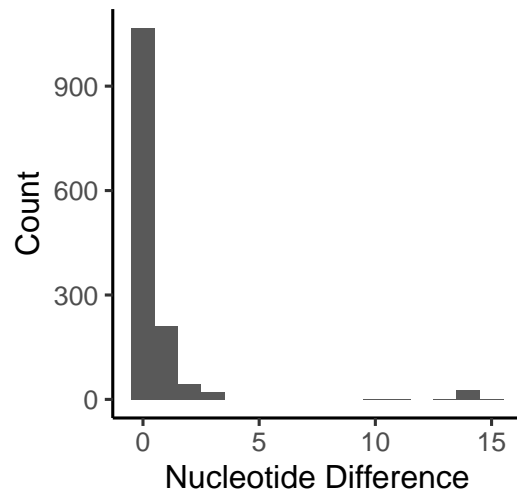
TRBV1*01

15 sequences assigned
8 (53.3%) exact matches, in which:
8 unique CDR3
5 unique J



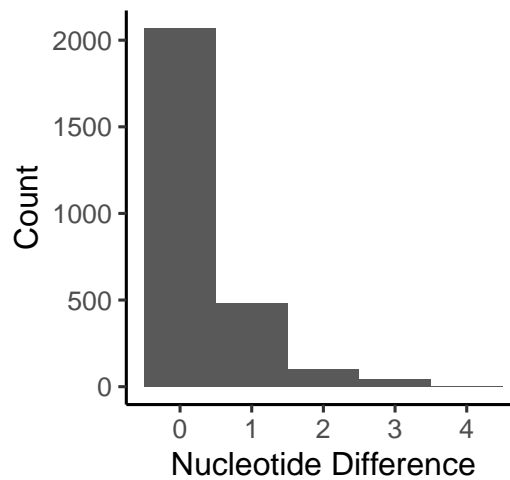
TRBV13*01

1378 sequences assigned
1068 (77.5%) exact matches, in which:
940 unique CDR3
13 unique J



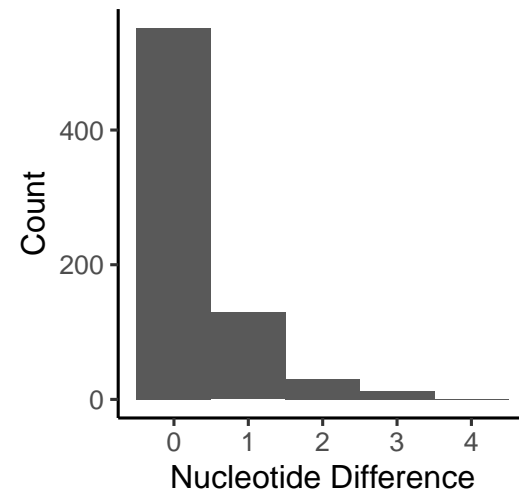
TRBV15*02

2699 sequences assigned
2068 (76.6%) exact matches, in which:
1801 unique CDR3
13 unique J



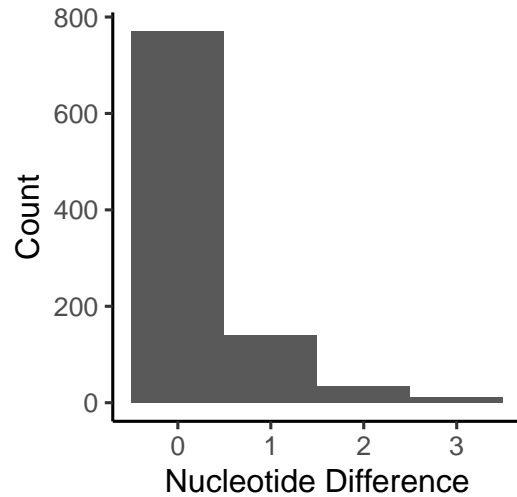
TRBV19*01

725 sequences assigned
552 (76.1%) exact matches, in which:
516 unique CDR3
13 unique J



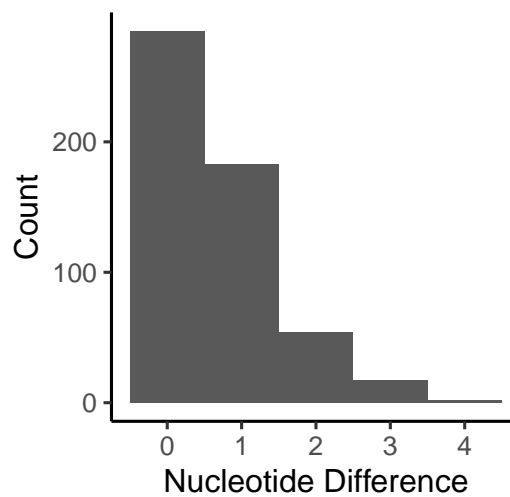
TRBV14*01

958 sequences assigned
771 (80.5%) exact matches, in which:
646 unique CDR3
13 unique J



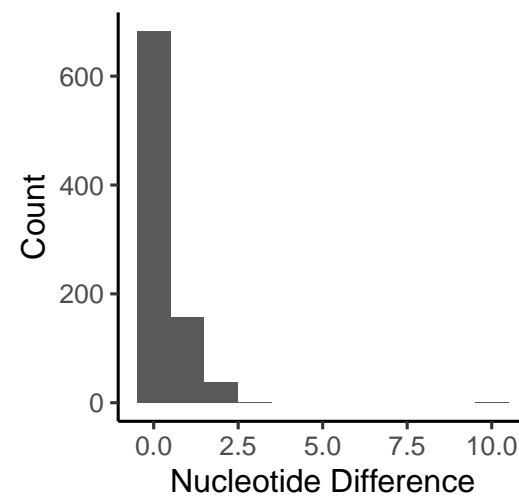
TRBV16*01

541 sequences assigned
285 (52.7%) exact matches, in which:
119 unique CDR3
11 unique J



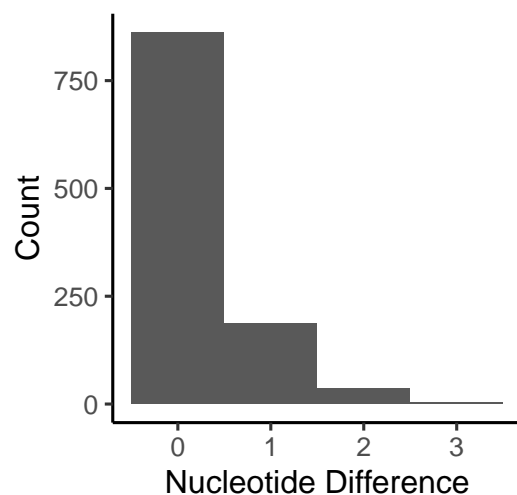
TRBV19*01_A24G

881 sequences assigned
683 (77.5%) exact matches, in which:
640 unique CDR3
13 unique J



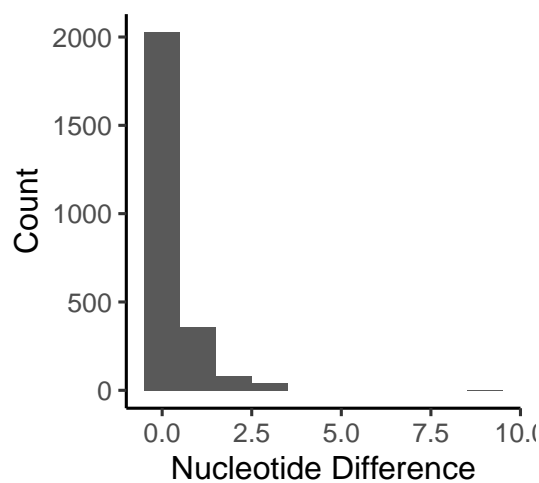
TRBV14*02_322CAAGA3

1087 sequences assigned
862 (79.3%) exact matches, in which:
756 unique CDR3
13 unique J



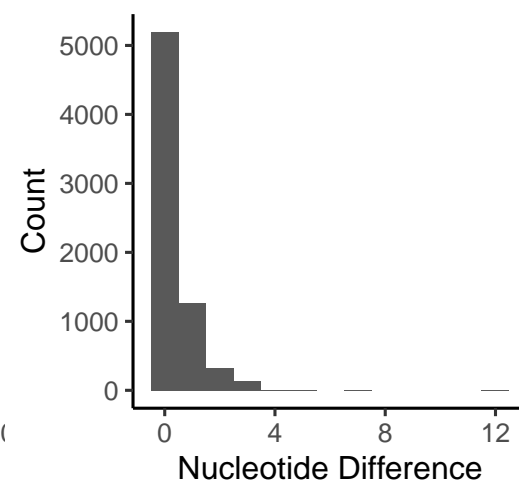
TRBV18*01

2511 sequences assigned
2028 (80.8%) exact matches, in which:
1828 unique CDR3
13 unique J



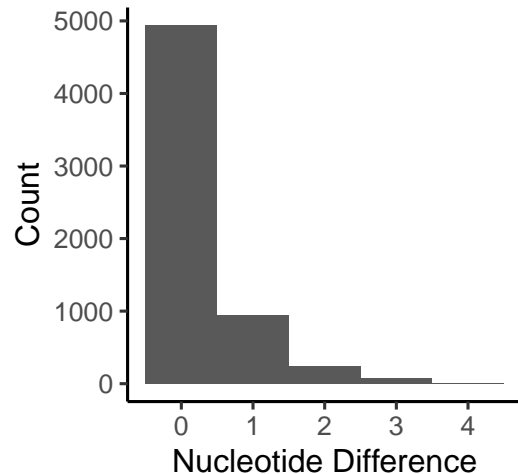
TRBV2*01

6933 sequences assigned
5194 (74.9%) exact matches, in which:
4210 unique CDR3
13 unique J



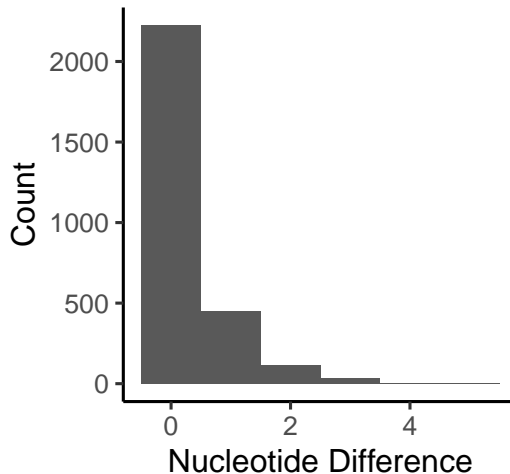
TRBV27*01

6205 sequences assigned
4938 (79.6%) exact matches, in which:
4361 unique CDR3
13 unique J



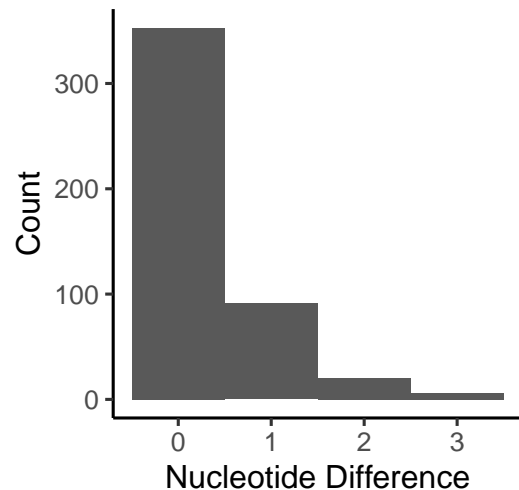
TRBV9*01

2833 sequences assigned
2224 (78.5%) exact matches, in which:
1931 unique CDR3
13 unique J



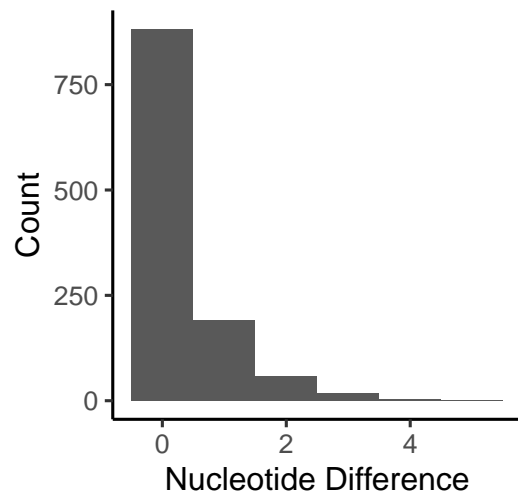
TRBV11-1*01

472 sequences assigned
353 (74.8%) exact matches, in which:
327 unique CDR3
12 unique J



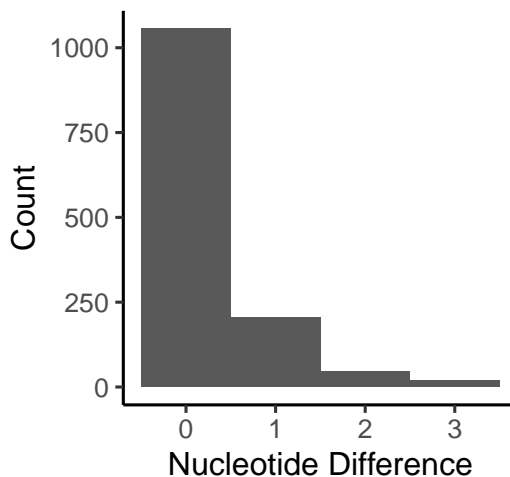
TRBV28*01

1153 sequences assigned
882 (76.5%) exact matches, in which:
773 unique CDR3
13 unique J



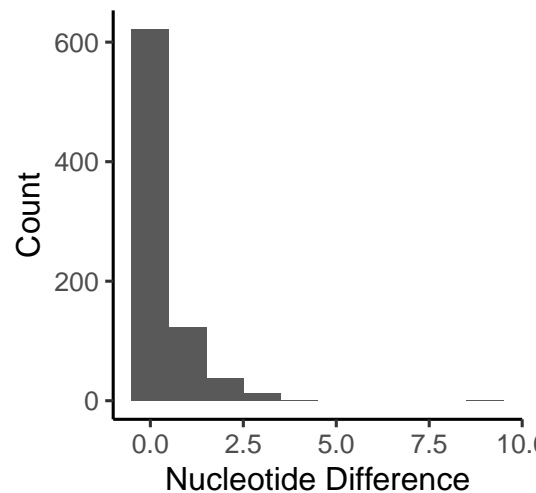
TRBV9*02

1326 sequences assigned
1056 (79.6%) exact matches, in which:
979 unique CDR3
13 unique J



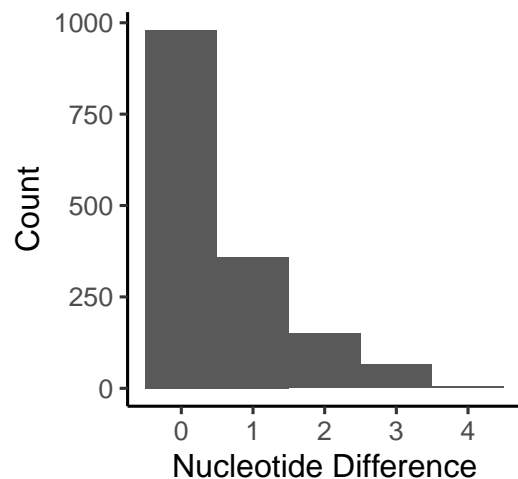
TRBV21-1*02

797 sequences assigned
622 (78%) exact matches, in which:
535 unique CDR3
13 unique J



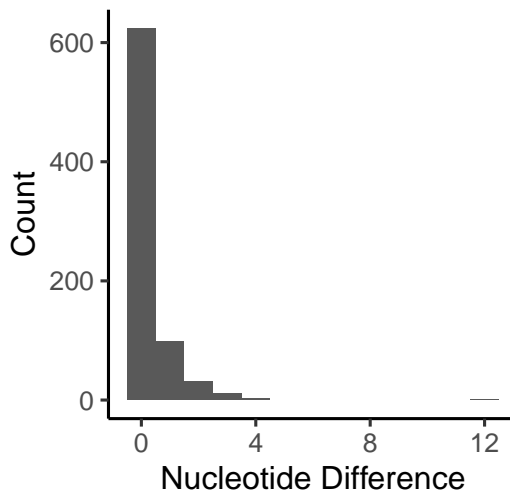
TRBV30*01

1560 sequences assigned
980 (62.8%) exact matches, in which:
891 unique CDR3
13 unique J



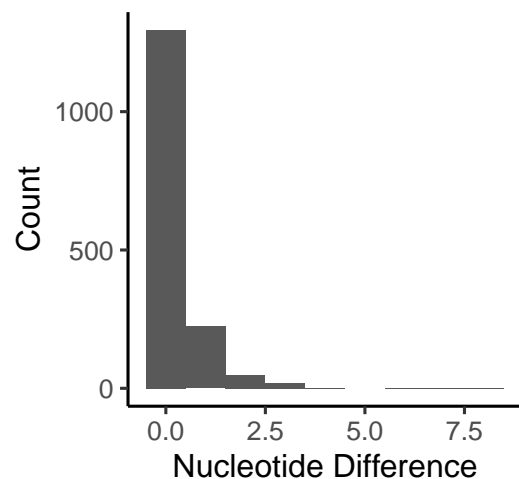
TRBV21-1*01

770 sequences assigned
624 (81%) exact matches, in which:
562 unique CDR3
13 unique J



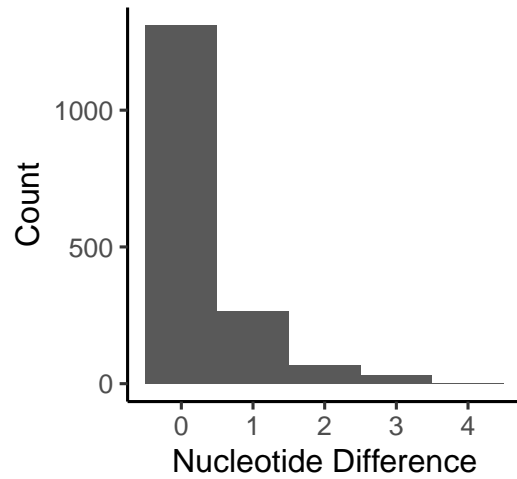
TRBV11-2*01

1594 sequences assigned
1295 (81.2%) exact matches, in which:
1154 unique CDR3
13 unique J



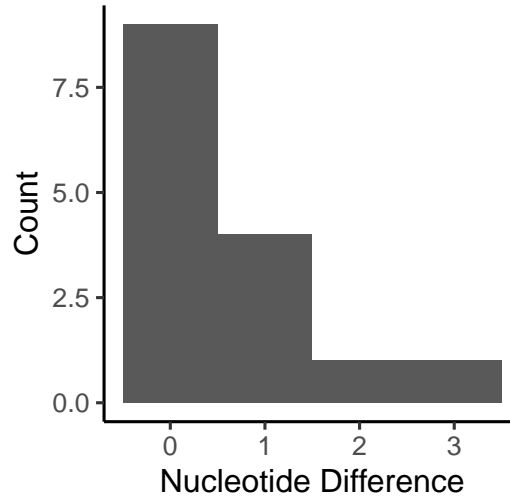
TRBV11-2*03

1677 sequences assigned
1310 (78.1%) exact matches, in which:
1154 unique CDR3
13 unique J



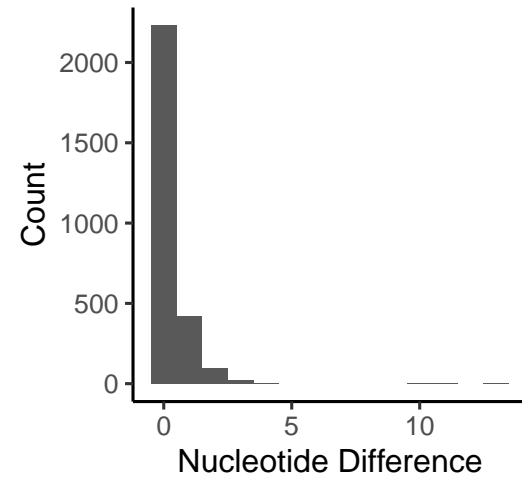
TRBV12-1*01

15 sequences assigned
9 (60%) exact matches, in which:
9 unique CDR3
7 unique J



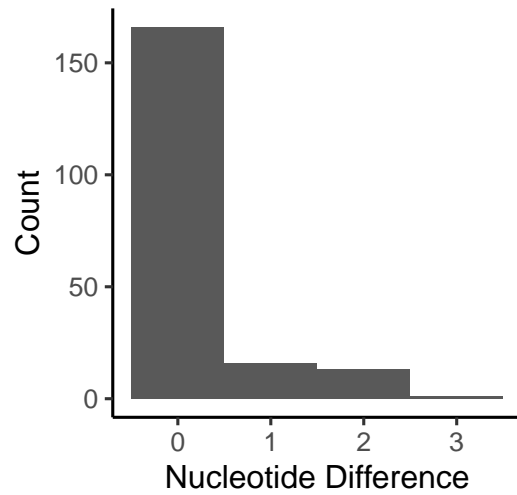
TRBV12-4*01

2773 sequences assigned
2231 (80.5%) exact matches, in which:
2005 unique CDR3
13 unique J



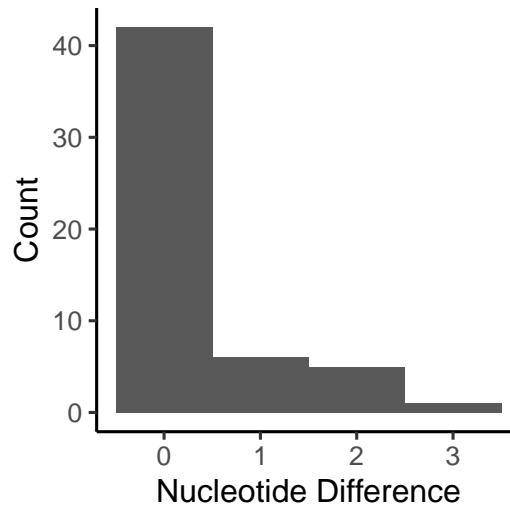
TRBV11-3*01

196 sequences assigned
166 (84.7%) exact matches, in which:
156 unique CDR3
12 unique J



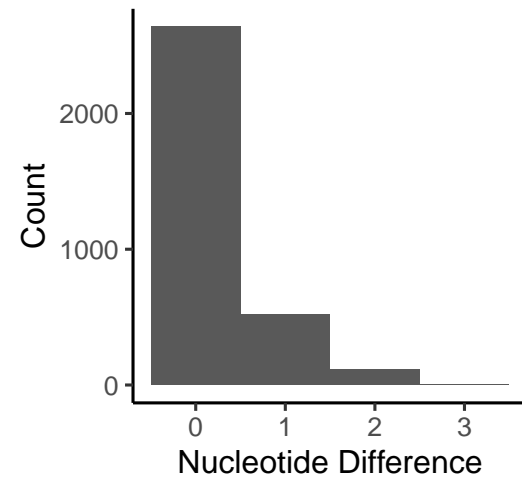
TRBV12-2*01

54 sequences assigned
42 (77.8%) exact matches, in which:
40 unique CDR3
11 unique J



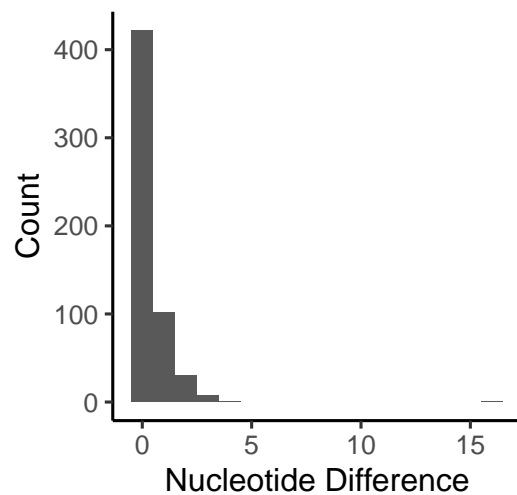
TRBV12-4*01_C87T

3275 sequences assigned
2639 (80.6%) exact matches, in which:
2316 unique CDR3
13 unique J



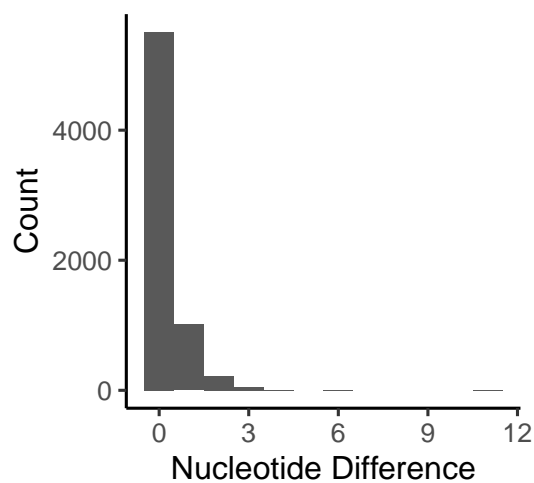
TRBV11-3*04

563 sequences assigned
422 (75%) exact matches, in which:
398 unique CDR3
13 unique J



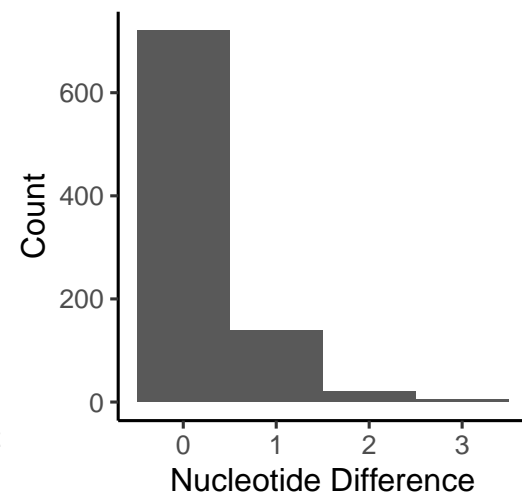
TRBV12-3*01

6802 sequences assigned
5509 (81%) exact matches, in which:
4894 unique CDR3
13 unique J



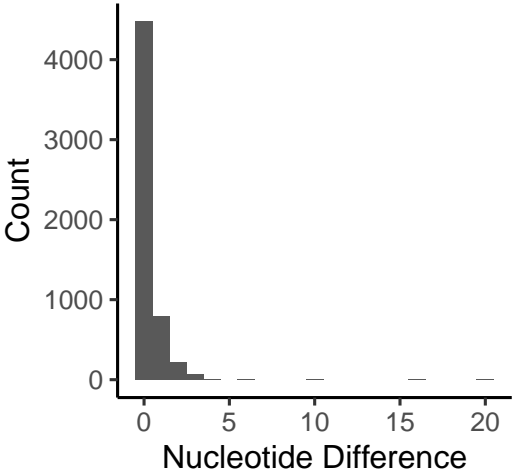
TRBV12-5*01

885 sequences assigned
721 (81.5%) exact matches, in which:
645 unique CDR3
13 unique J



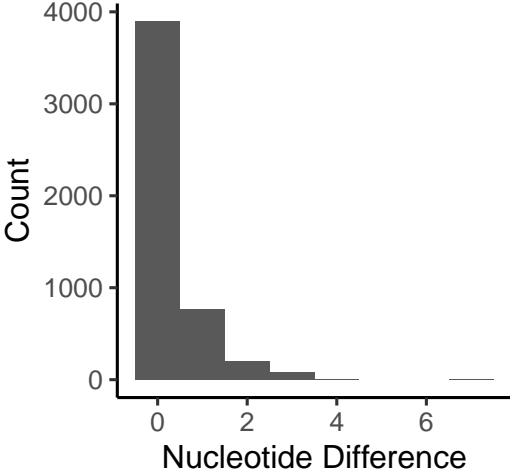
TRBV3-1*01

5576 sequences assigned
4478 (80.3%) exact matches, in which:
3930 unique CDR3
13 unique J



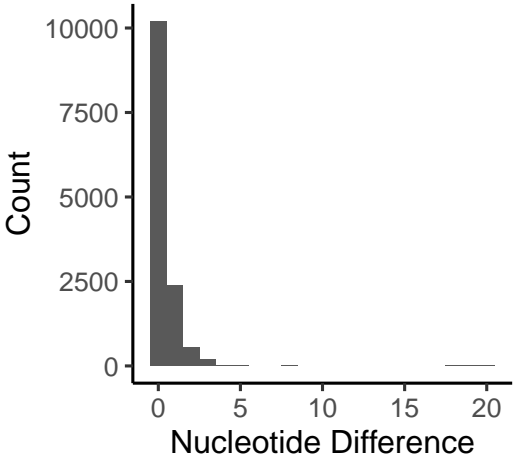
TRBV4-1*01

4952 sequences assigned
3896 (78.7%) exact matches, in which:
3454 unique CDR3
13 unique J



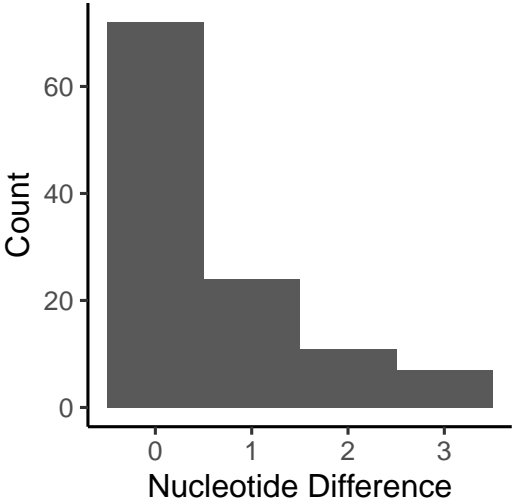
TRBV5-1*01

13349 sequences assigned
10203 (76.4%) exact matches, in which:
9088 unique CDR3
13 unique J



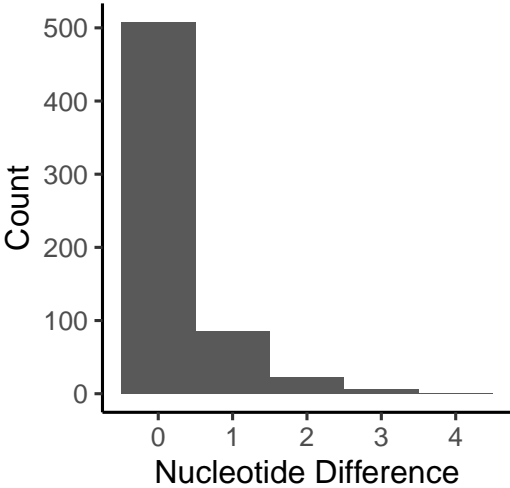
TRBV23-1*01

114 sequences assigned
72 (63.2%) exact matches, in which:
46 unique CDR3
12 unique J



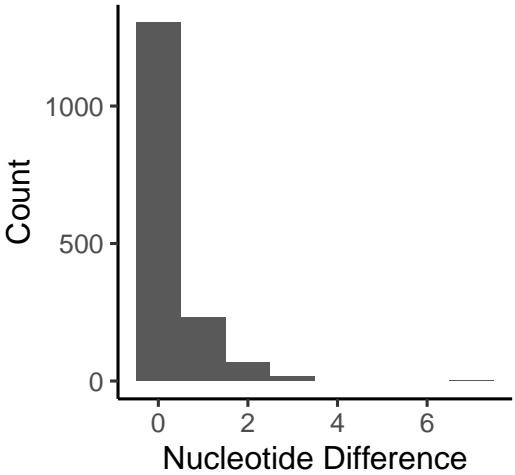
TRBV24-1*02

623 sequences assigned
508 (81.5%) exact matches, in which:
463 unique CDR3
13 unique J



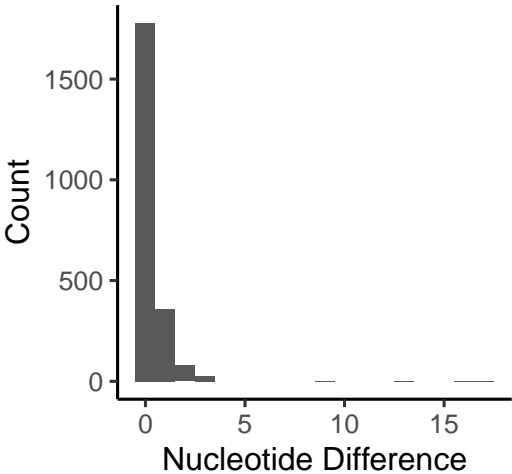
TRBV25-1*01

1620 sequences assigned
1303 (80.4%) exact matches, in which:
1177 unique CDR3
13 unique J



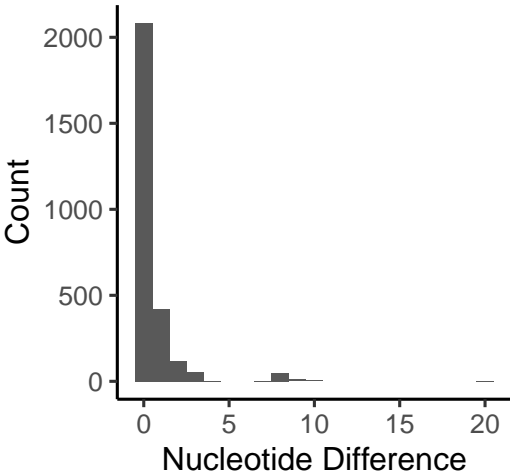
TRBV24-1*01

2248 sequences assigned
1778 (79.1%) exact matches, in which:
1565 unique CDR3
13 unique J



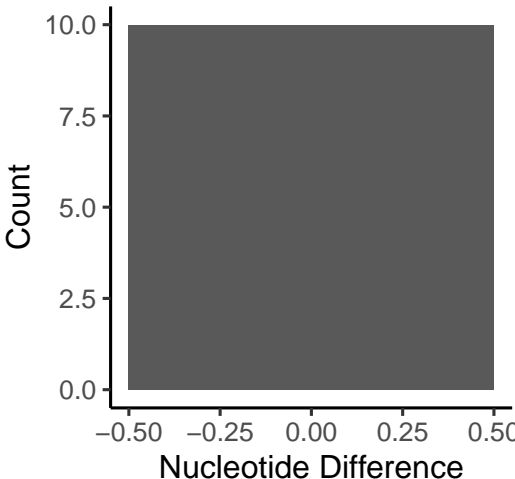
TRBV4-2*01

2749 sequences assigned
2083 (75.8%) exact matches, in which:
1815 unique CDR3
13 unique J



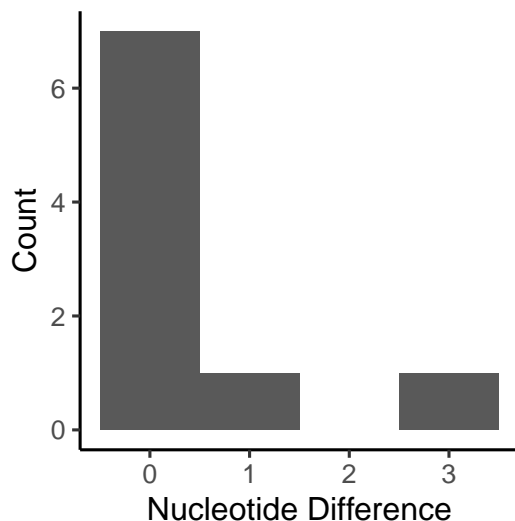
TRBV5-3*01

10 sequences assigned
10 (100%) exact matches, in which:
10 unique CDR3
6 unique J



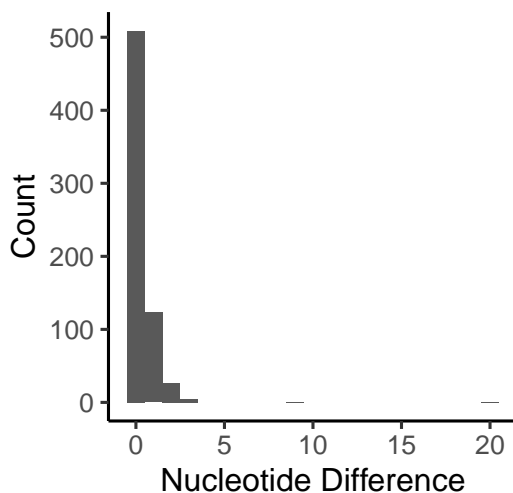
TRBV5-3*02

9 sequences assigned
7 (77.8%) exact matches, in which:
7 unique CDR3
5 unique J



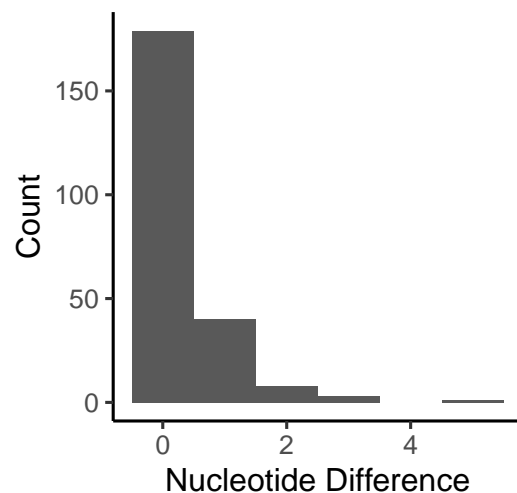
TRBV5-5*02_322TTGG3

666 sequences assigned
509 (76.4%) exact matches, in which:
452 unique CDR3
13 unique J



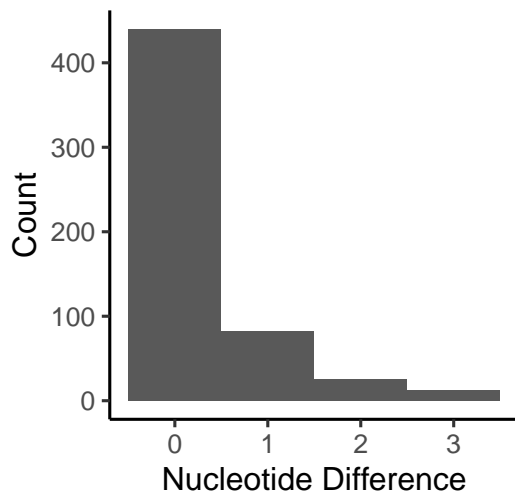
TRBV5-8*01

231 sequences assigned
179 (77.5%) exact matches, in which:
171 unique CDR3
13 unique J



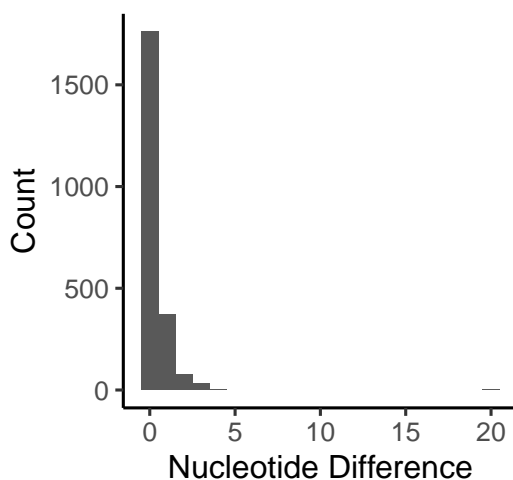
TRBV5-4*01

559 sequences assigned
440 (78.7%) exact matches, in which:
428 unique CDR3
13 unique J



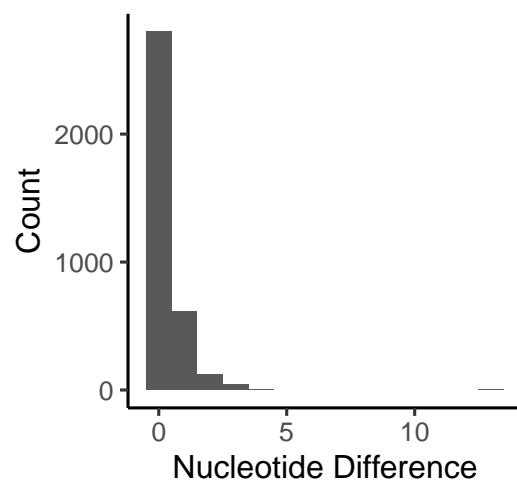
TRBV5-6*01

2241 sequences assigned
1761 (78.6%) exact matches, in which:
1553 unique CDR3
13 unique J



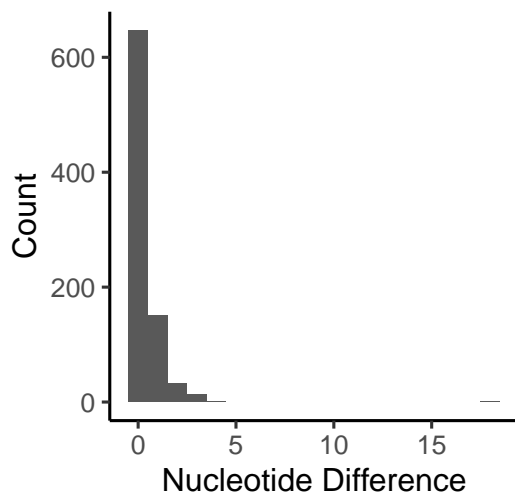
TRBV6-1*01

3590 sequences assigned
2800 (78%) exact matches, in which:
2488 unique CDR3
13 unique J



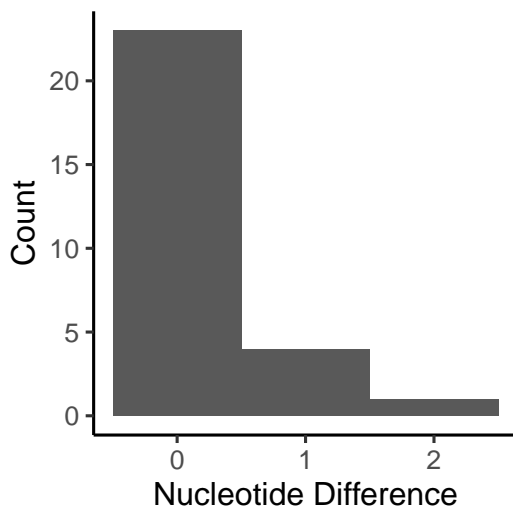
TRBV5-5*01

846 sequences assigned
647 (76.5%) exact matches, in which:
560 unique CDR3
13 unique J



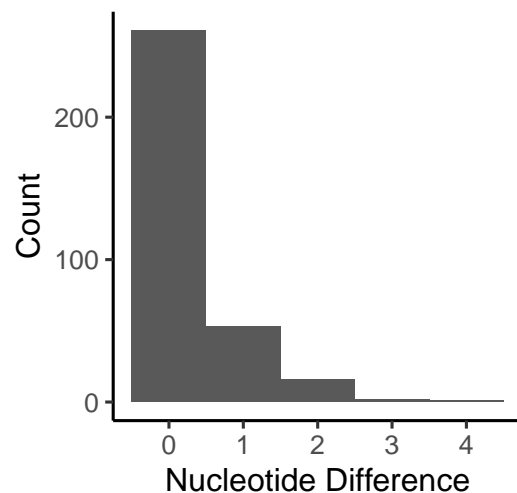
TRBV5-7*01

28 sequences assigned
23 (82.1%) exact matches, in which:
18 unique CDR3
9 unique J



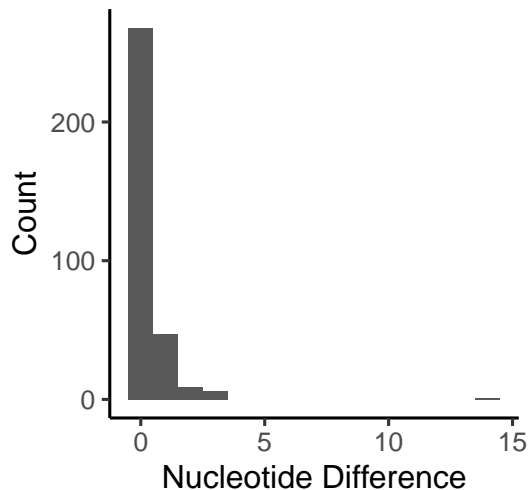
TRBV6-4*01

333 sequences assigned
261 (78.4%) exact matches, in which:
238 unique CDR3
13 unique J



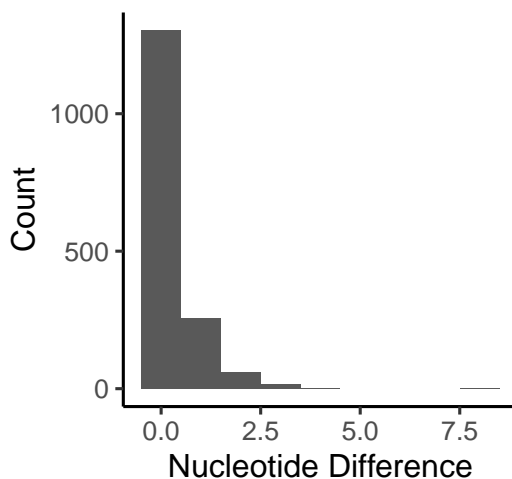
TRBV6-4*02

331 sequences assigned
268 (81%) exact matches, in which:
247 unique CDR3
12 unique J



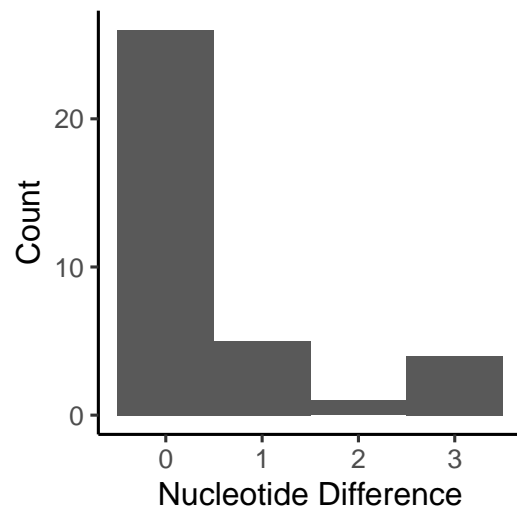
TRBV6-6*02

1640 sequences assigned
1303 (79.5%) exact matches, in which:
1079 unique CDR3
13 unique J



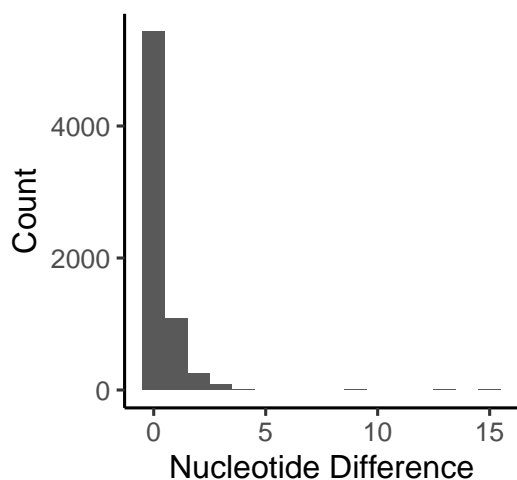
TRBV6-9*01

36 sequences assigned
26 (72.2%) exact matches, in which:
19 unique CDR3
11 unique J



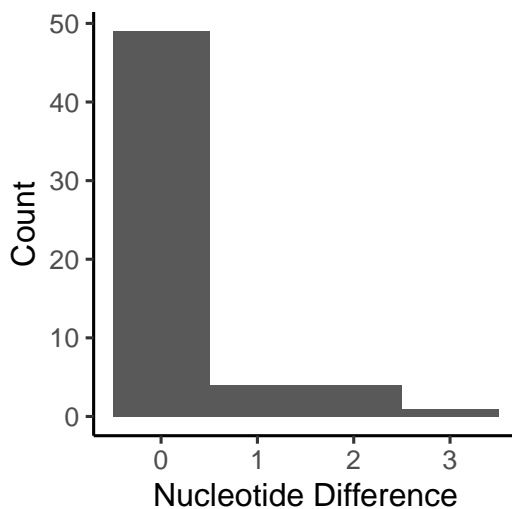
TRBV6-5*01

6863 sequences assigned
5429 (79.1%) exact matches, in which:
4857 unique CDR3
13 unique J



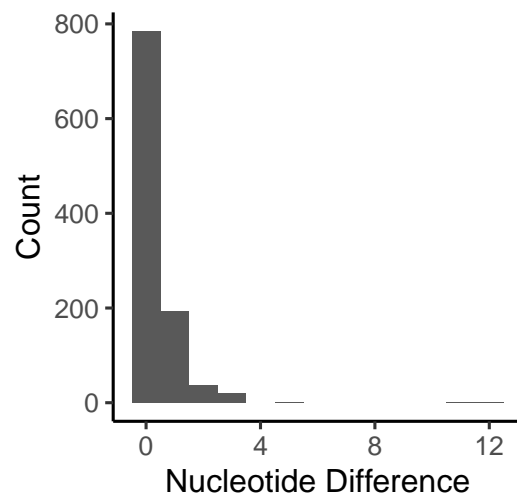
TRBV6-7*01

58 sequences assigned
49 (84.5%) exact matches, in which:
48 unique CDR3
12 unique J



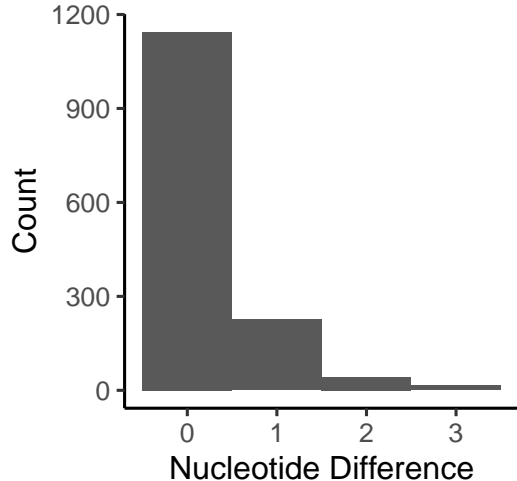
TRBV6-23*01

1039 sequences assigned
785 (75.6%) exact matches, in which:
667 unique CDR3
13 unique J



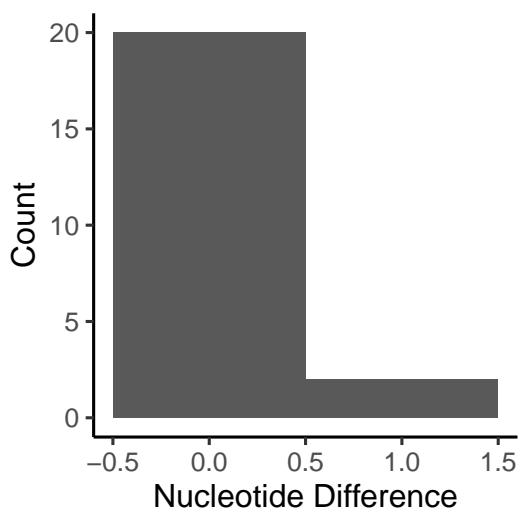
TRBV6-6*01

1429 sequences assigned
1144 (80.1%) exact matches, in which:
1036 unique CDR3
13 unique J



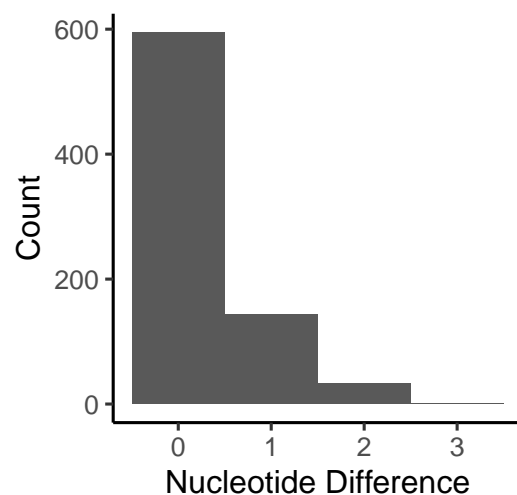
TRBV6-8*01

22 sequences assigned
20 (90.9%) exact matches, in which:
20 unique CDR3
9 unique J



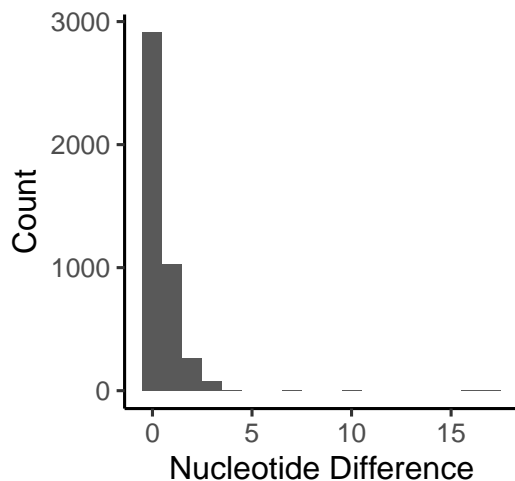
TRBV6-23*01_G47A

773 sequences assigned
595 (77%) exact matches, in which:
502 unique CDR3
13 unique J



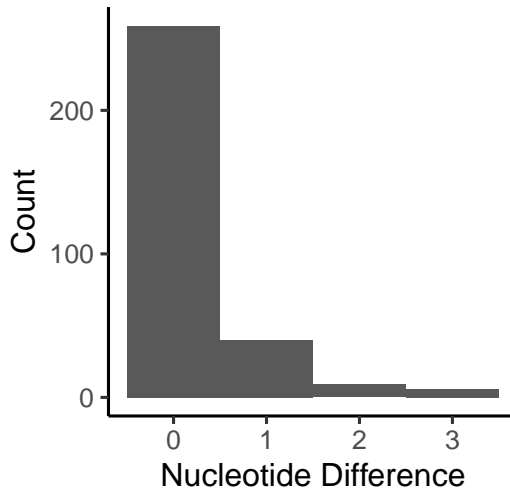
TRBV7-2*01

4290 sequences assigned
2912 (67.9%) exact matches, in which:
2162 unique CDR3
13 unique J



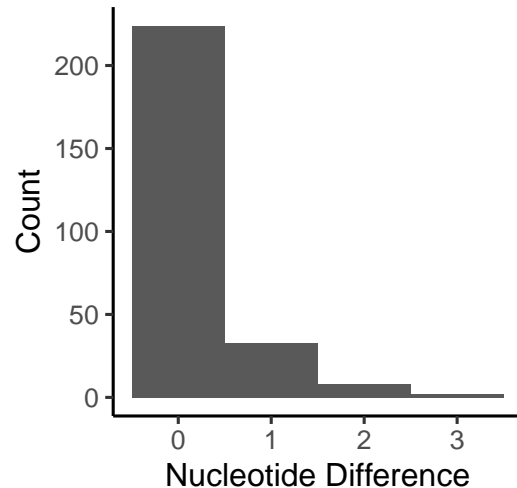
TRBV7-3*03

315 sequences assigned
259 (82.2%) exact matches, in which:
236 unique CDR3
13 unique J



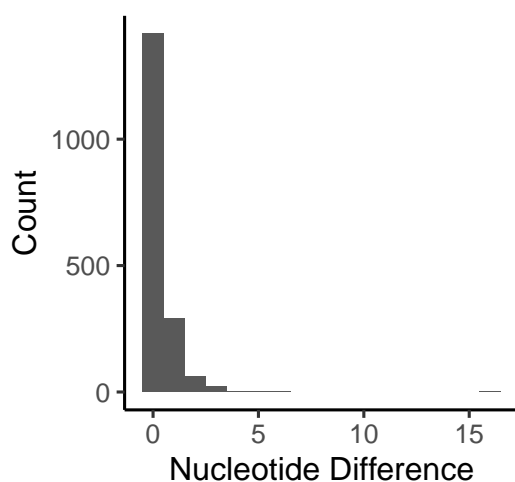
TRBV7-7*01

267 sequences assigned
224 (83.9%) exact matches, in which:
195 unique CDR3
12 unique J



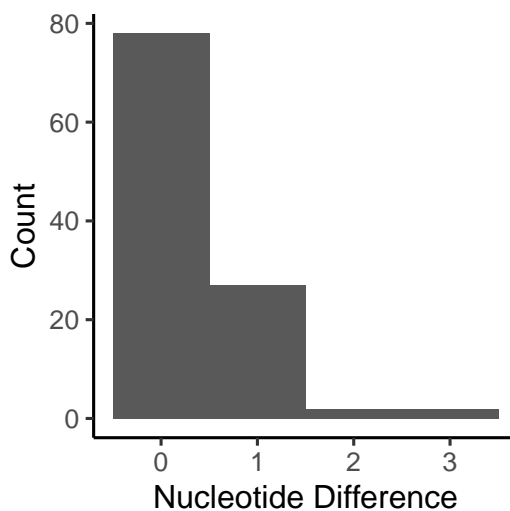
TRBV7-2*02

1798 sequences assigned
1417 (78.8%) exact matches, in which:
1227 unique CDR3
13 unique J



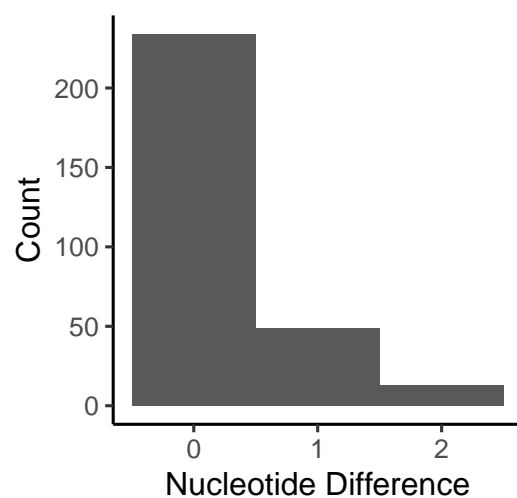
TRBV7-4*01

109 sequences assigned
78 (71.6%) exact matches, in which:
68 unique CDR3
12 unique J



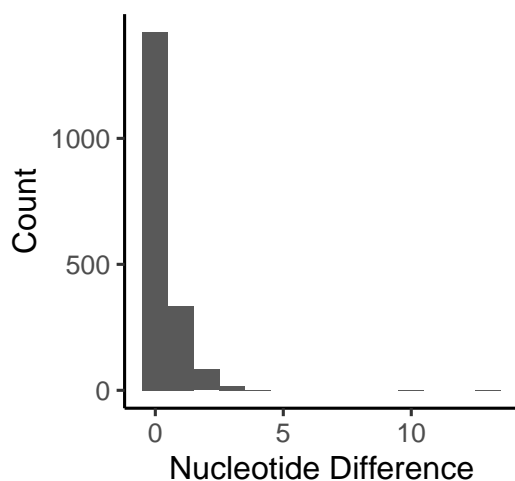
TRBV7-7*01_C315T

296 sequences assigned
234 (79.1%) exact matches, in which:
204 unique CDR3
12 unique J



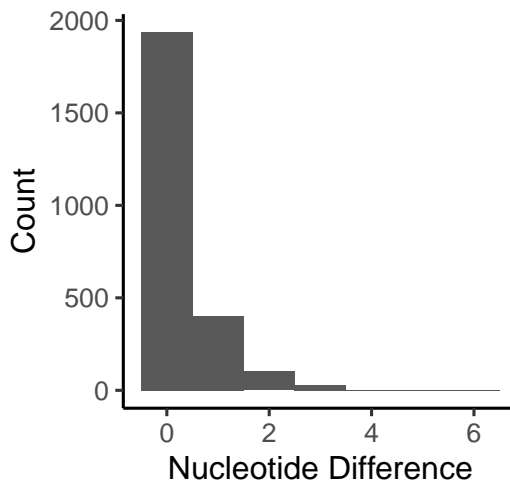
TRBV7-3*01

1861 sequences assigned
1422 (76.4%) exact matches, in which:
1235 unique CDR3
13 unique J



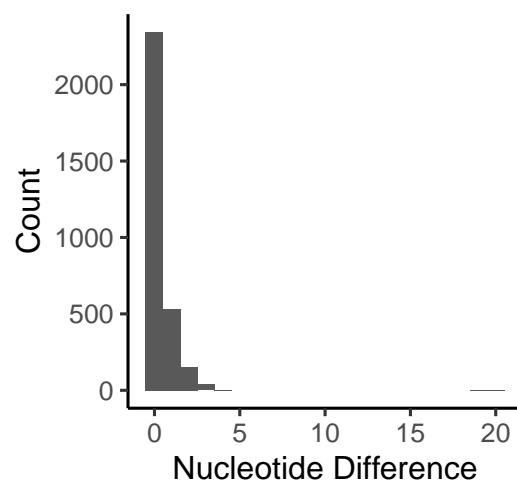
TRBV7-6*01

2473 sequences assigned
1937 (78.3%) exact matches, in which:
1534 unique CDR3
13 unique J



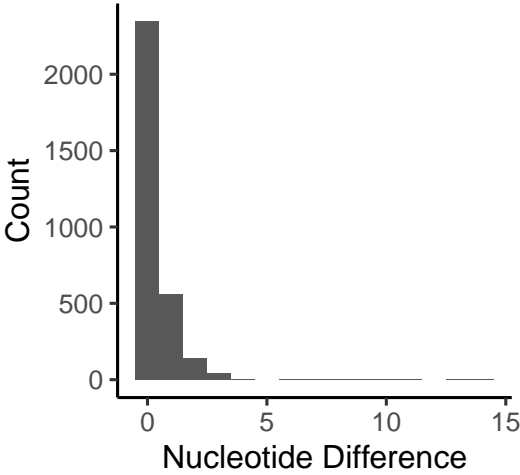
TRBV7-8*01

3074 sequences assigned
2344 (76.3%) exact matches, in which:
1847 unique CDR3
13 unique J



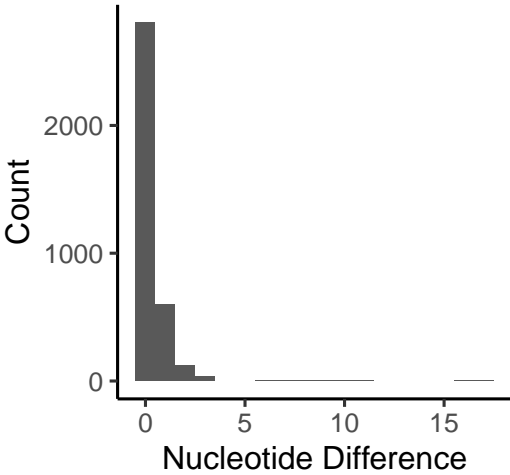
TRBV7-9*01

3099 sequences assigned
2346 (75.7%) exact matches, in which:
2018 unique CDR3
13 unique J



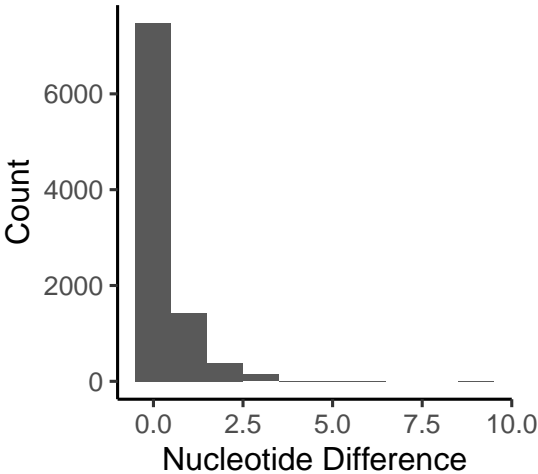
TRBV7-9*03

3568 sequences assigned
2804 (78.6%) exact matches, in which:
2440 unique CDR3
13 unique J

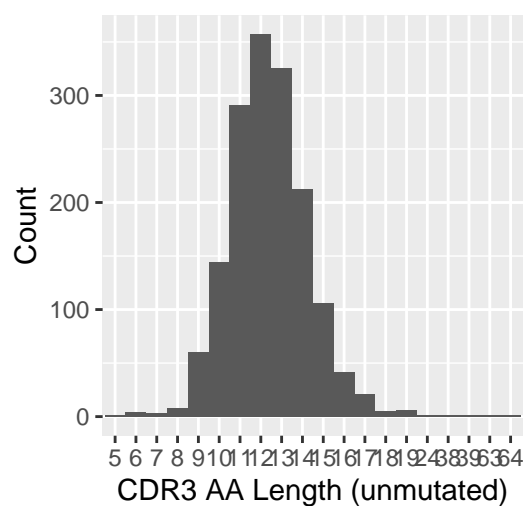


TRBV29-1*01

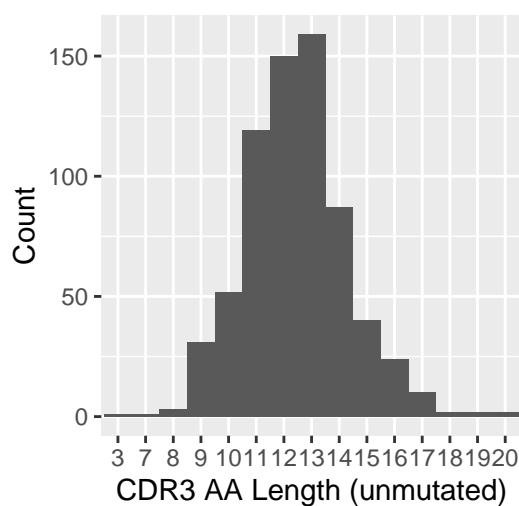
9439 sequences assigned
7478 (79.2%) exact matches, in which:
6410 unique CDR3
13 unique J



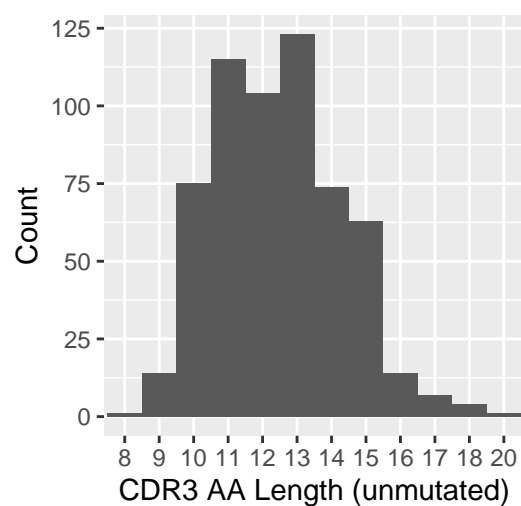
TRBV10-3*03_313GCCATC



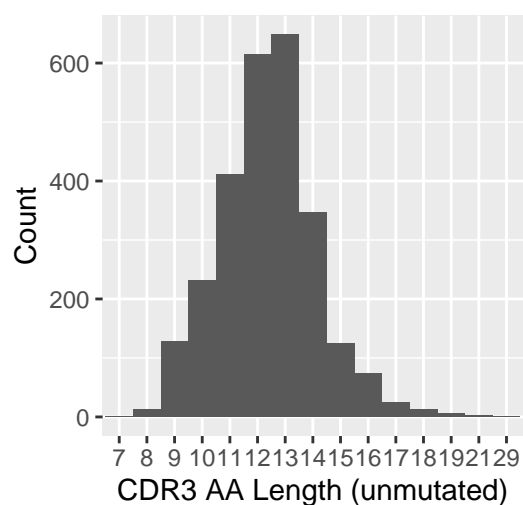
TRBV19*01_A24G



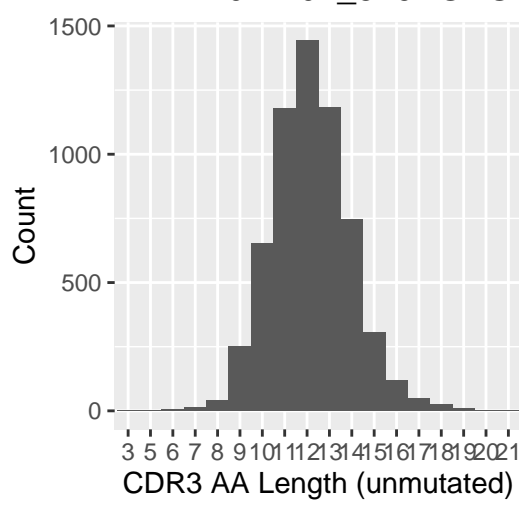
TRBV6-23*01_G47A



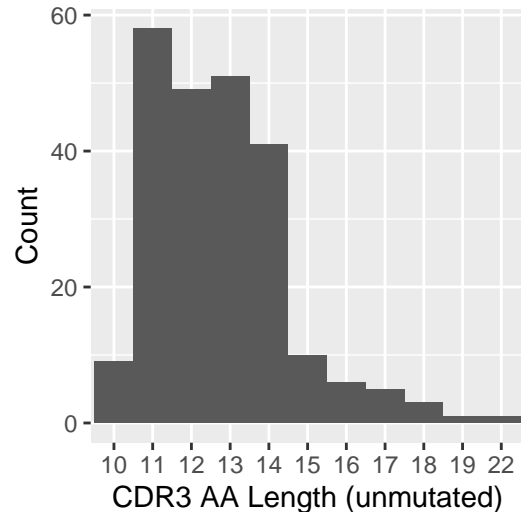
TRBV12-4*01_C87T



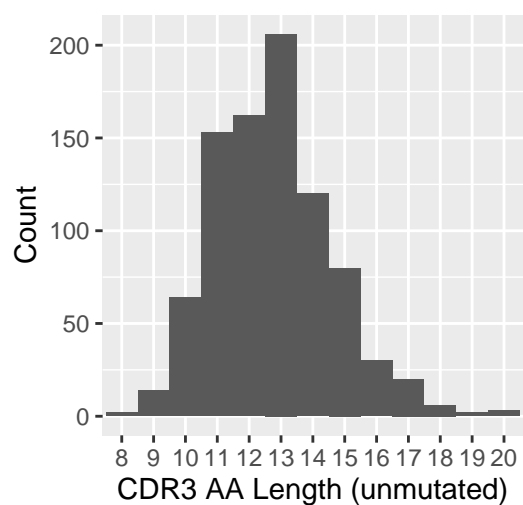
TRBV20-1*02_319AGAGA



TRBV7-7*01_C315T



TRBV14*02_322CAAGA326



TRBV5-5*02_322TTGG325

