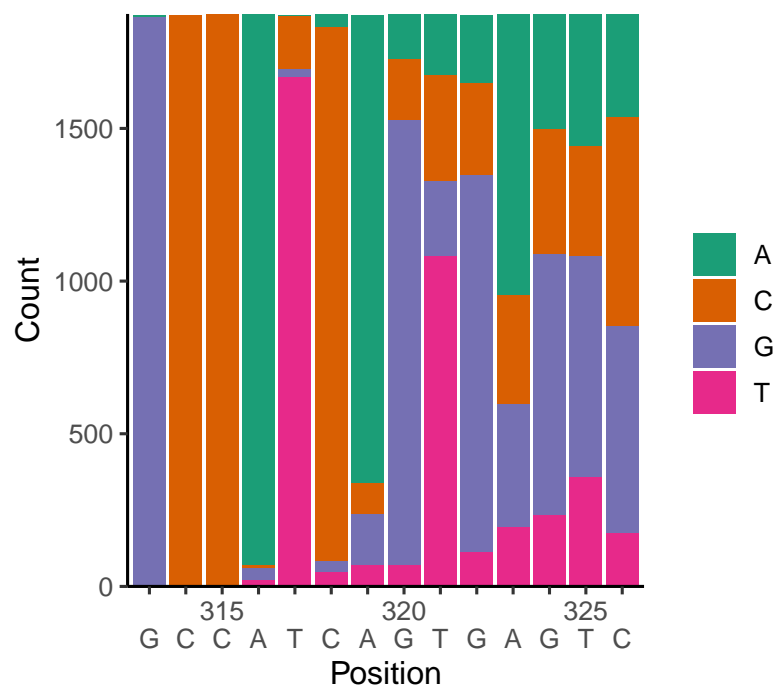
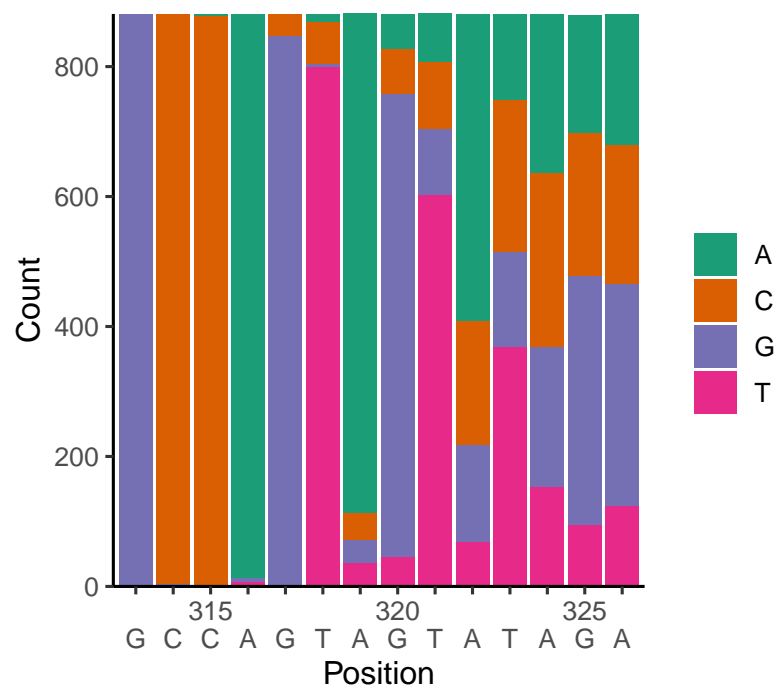


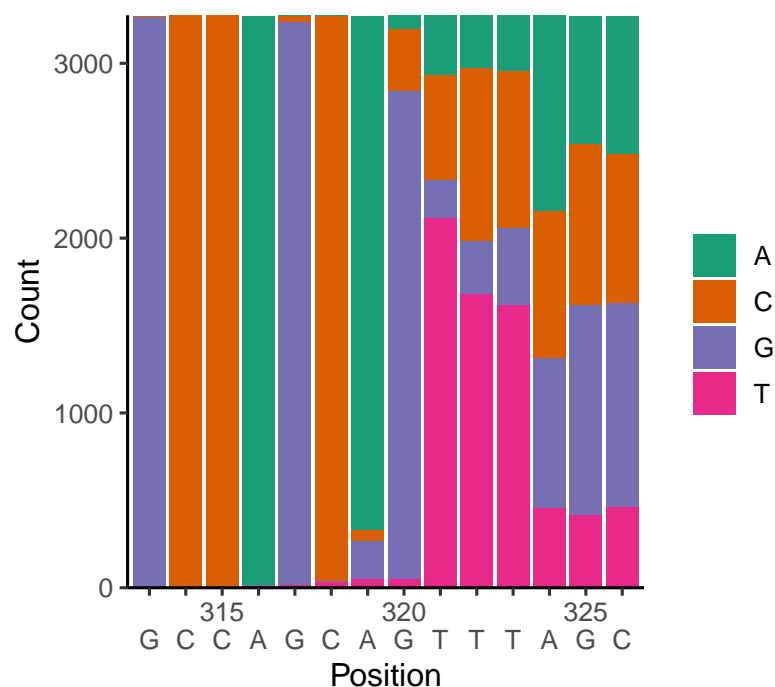
Gene TRBV10-3\*03\_313GCCATCAGTG



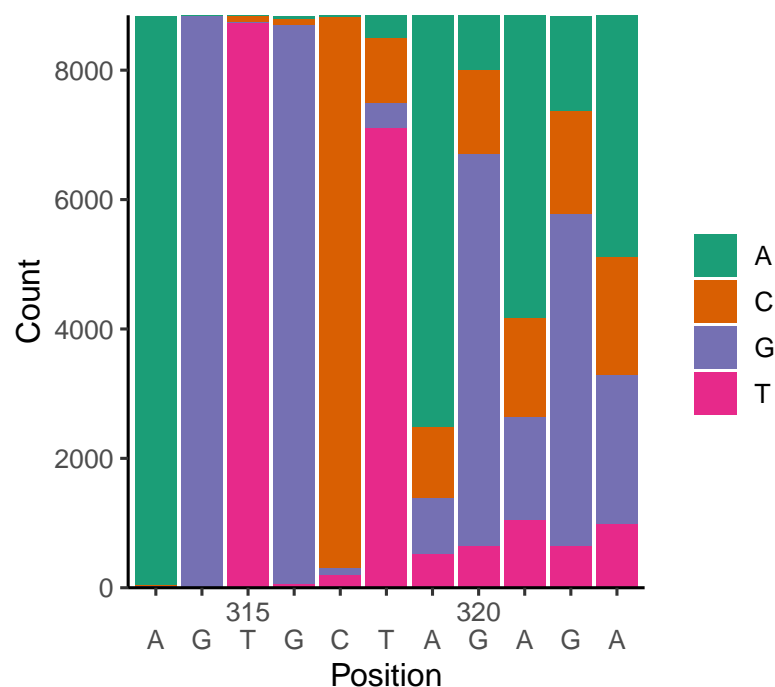
Gene TRBV19\*01\_A24G



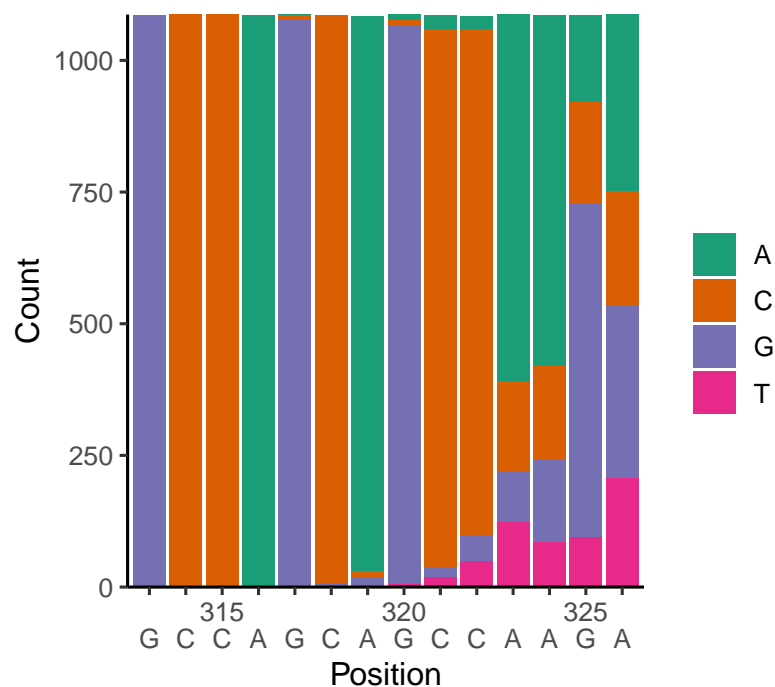
Gene TRBV12-4\*01\_C87T



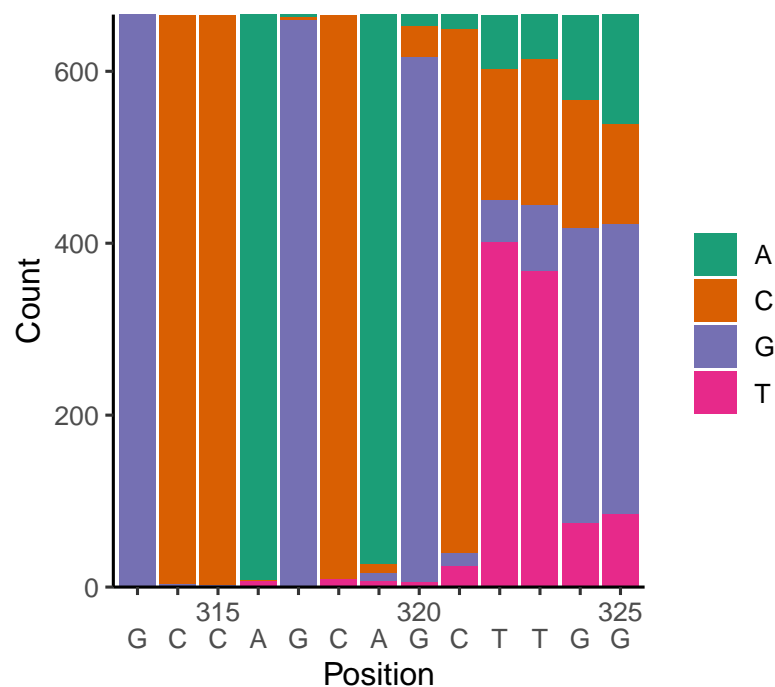
Gene TRBV20-1\*02\_319AGAGA323



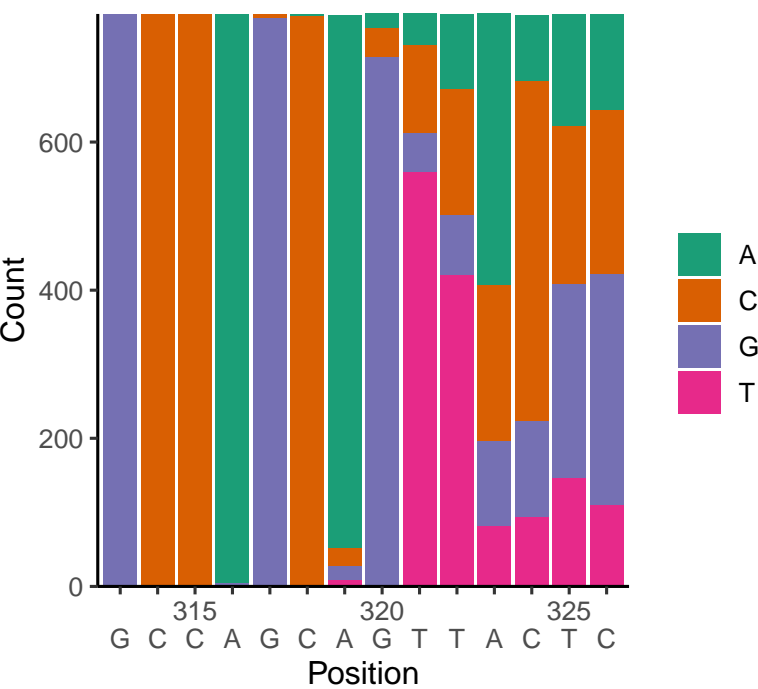
Gene TRBV14\*02\_322CAAGA326



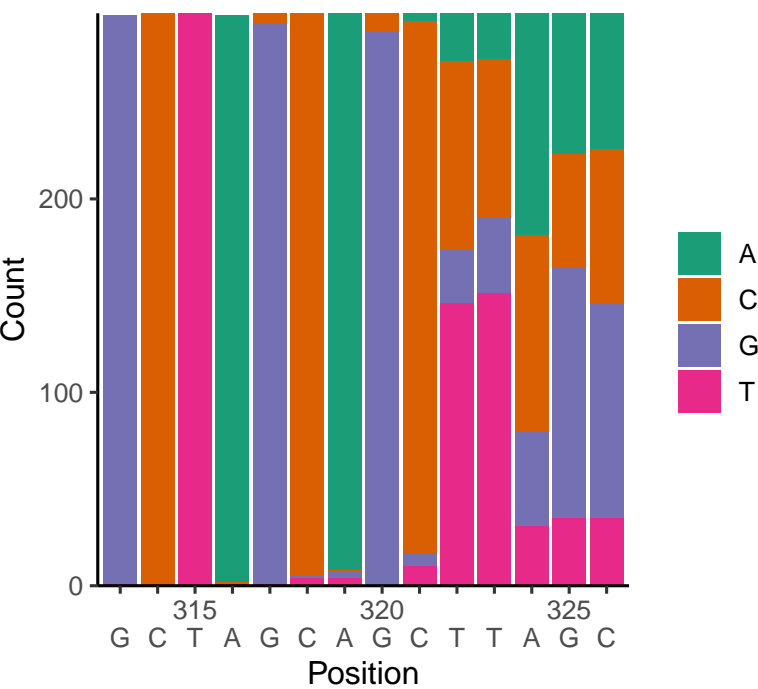
Gene TRBV5-5\*02\_322TTGG325



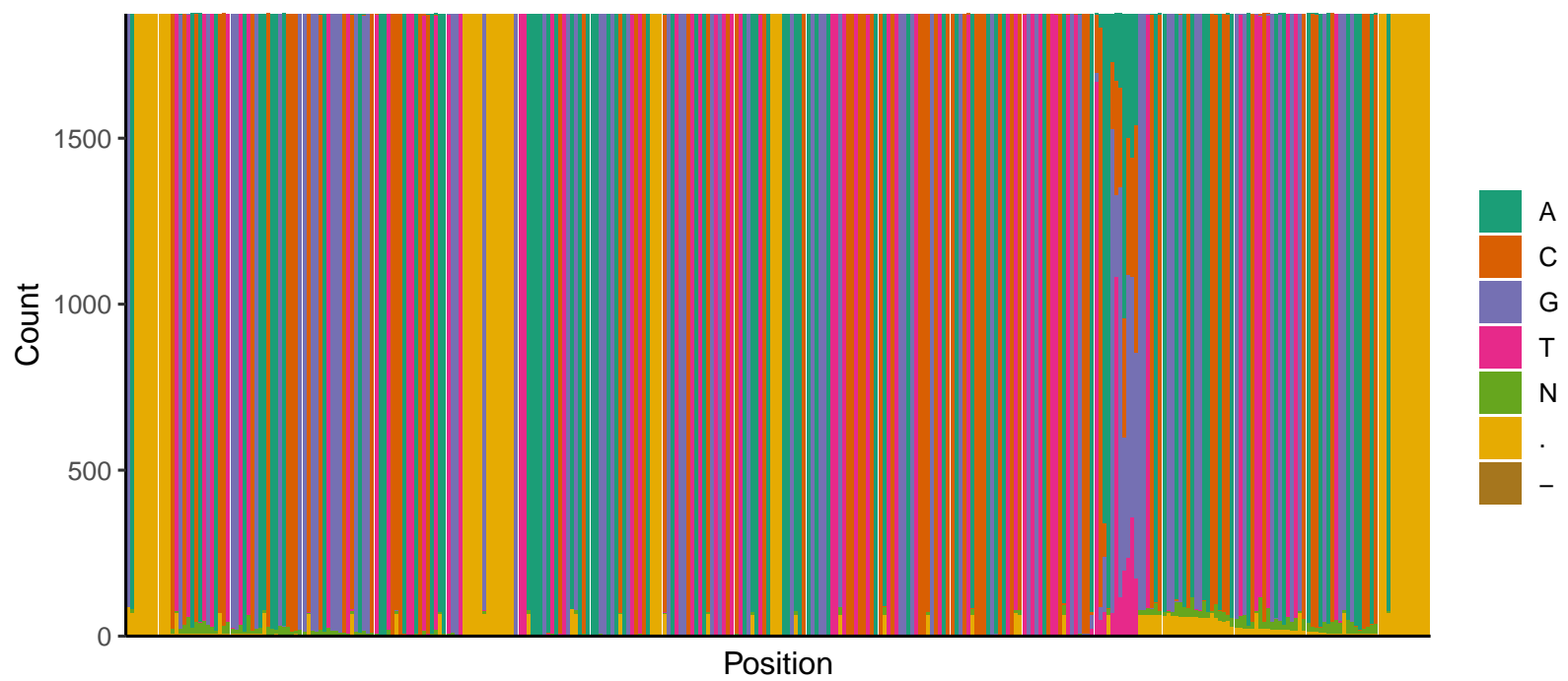
Gene TRBV6-23\*01\_G47A



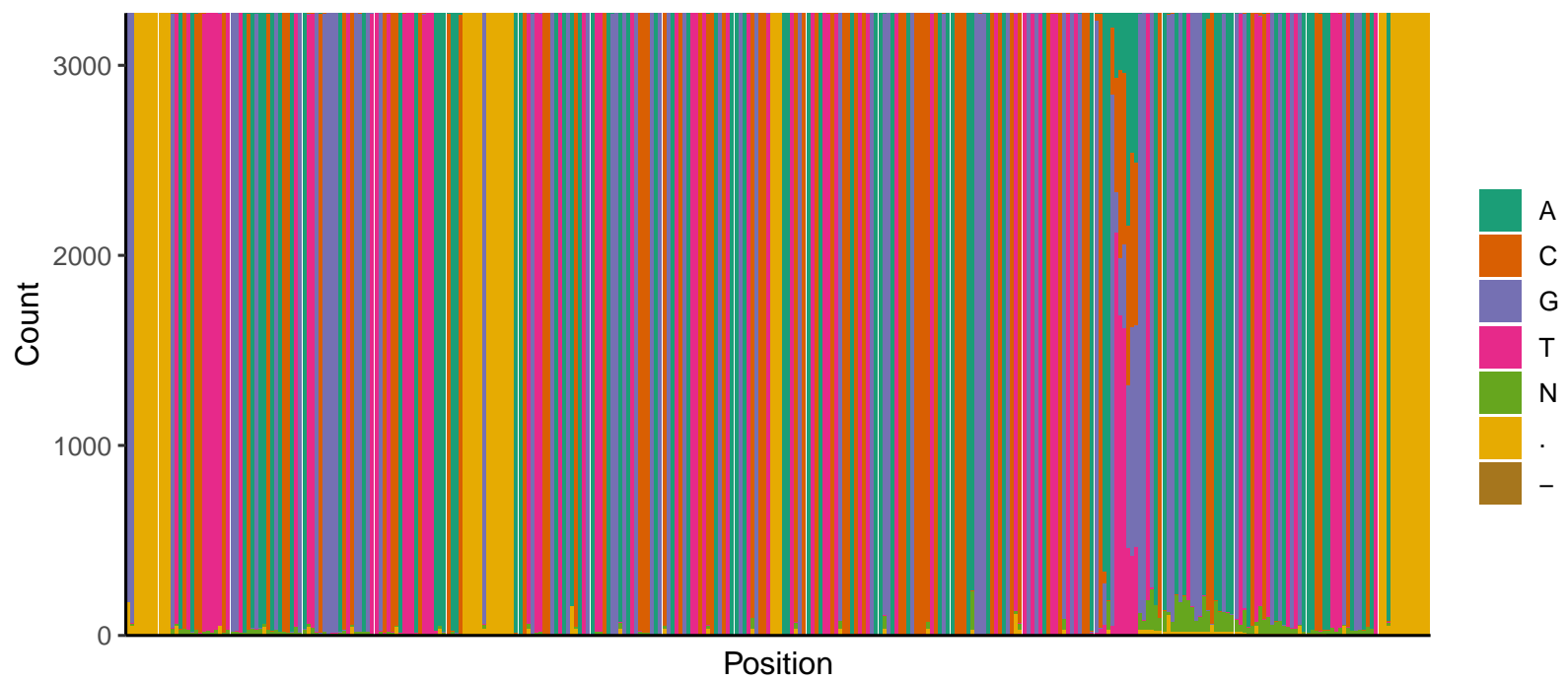
Gene TRBV7-7\*01\_C315T



Gene TRBV10-3\*03\_313GCCATCAGTGAGTC326



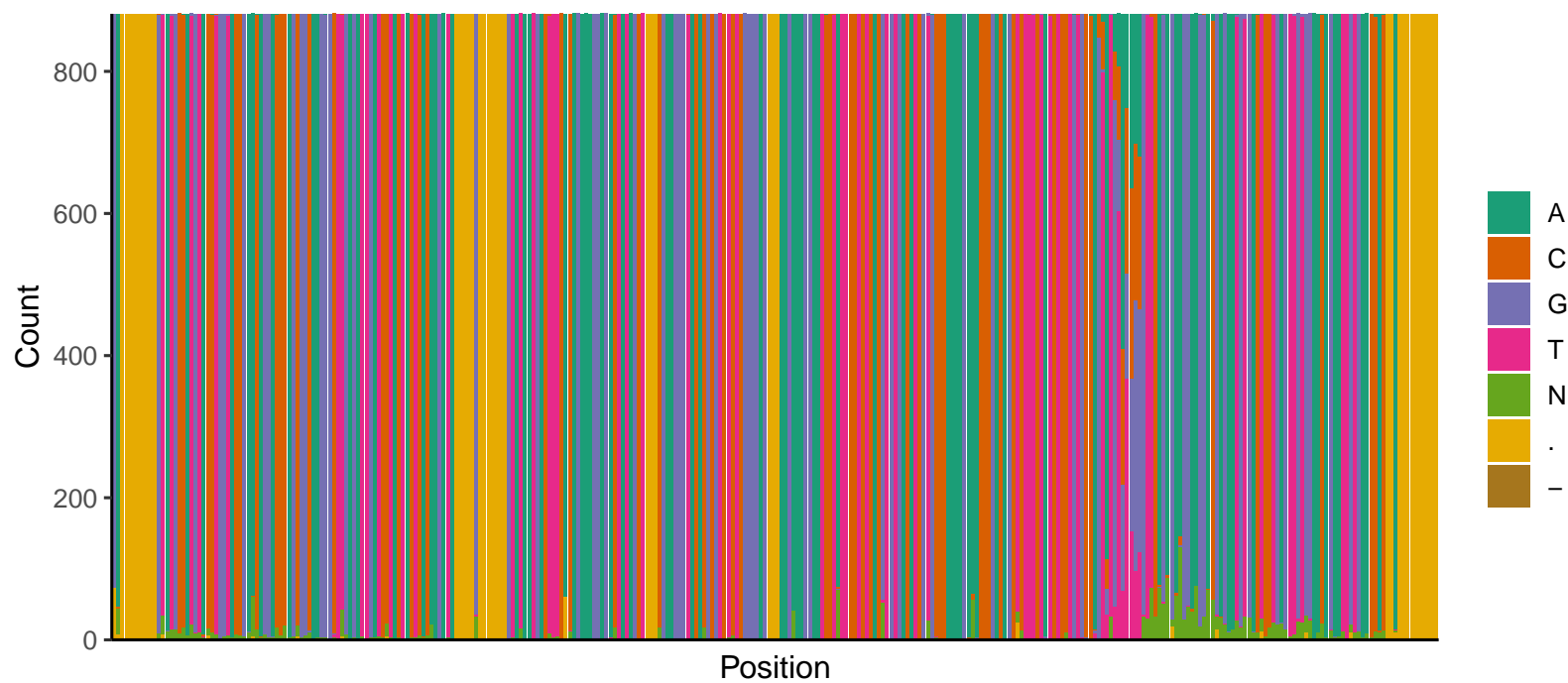
Gene TRBV12-4\*01\_C87T



Gene TRBV14\*02\_322CAAGA326



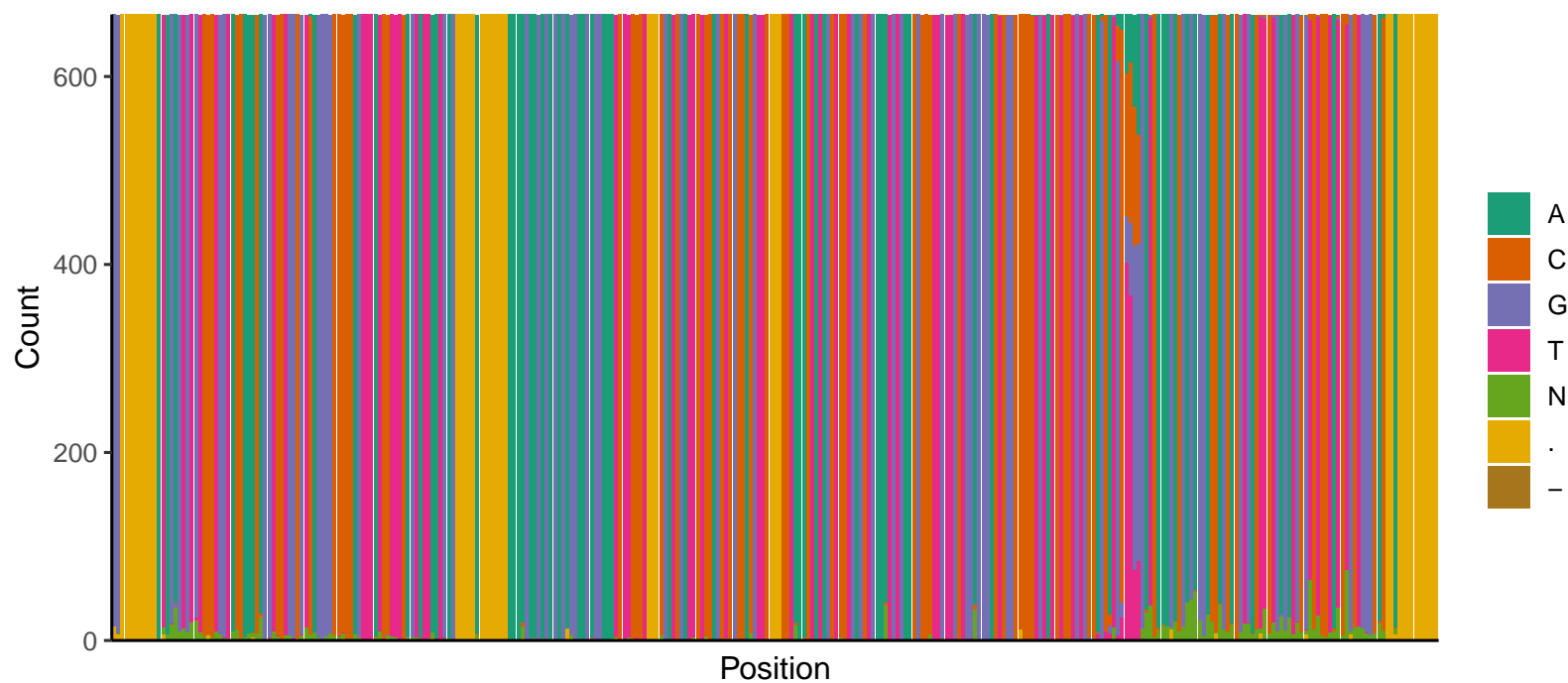
Gene TRBV19\*01\_A24G



Gene TRBV20-1\*02\_319AGAGA323



Gene TRBV5-5\*02\_322TTGG325



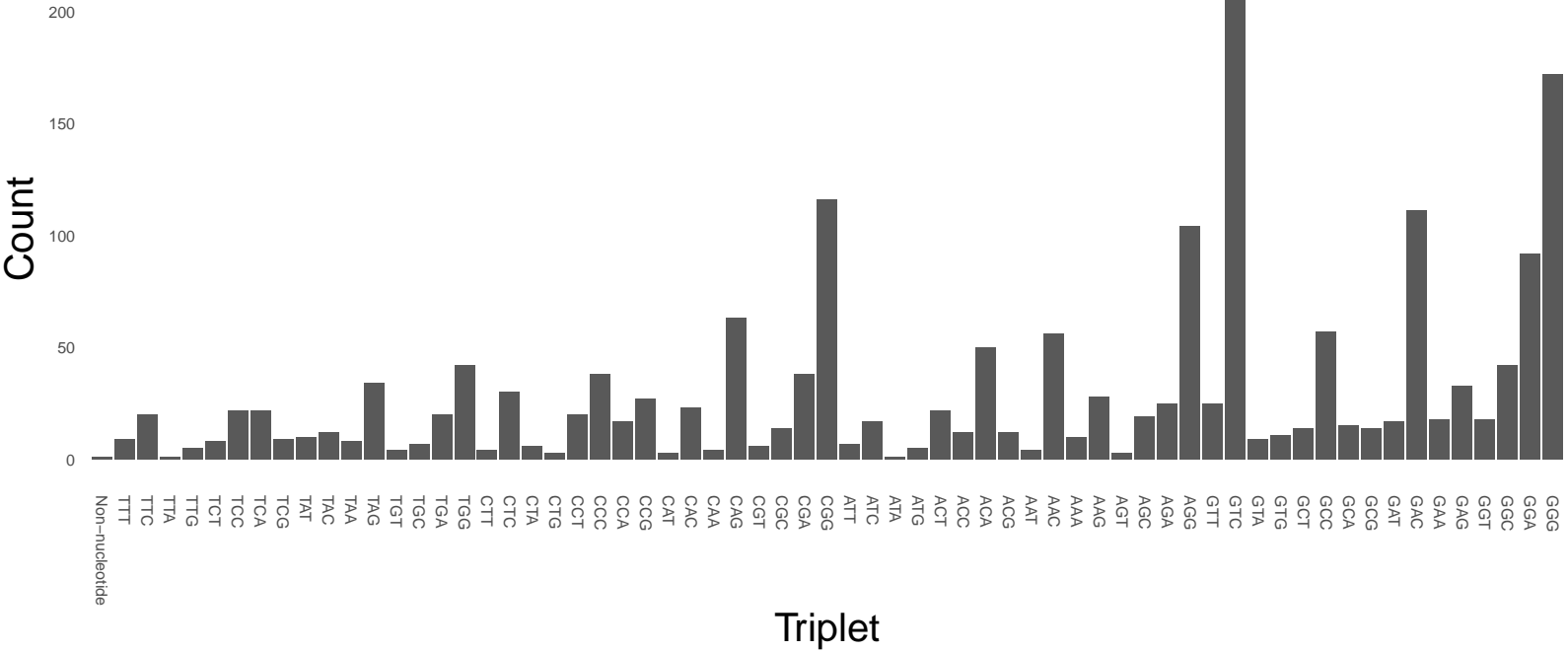
Gene TRBV6-23\*01\_G47A



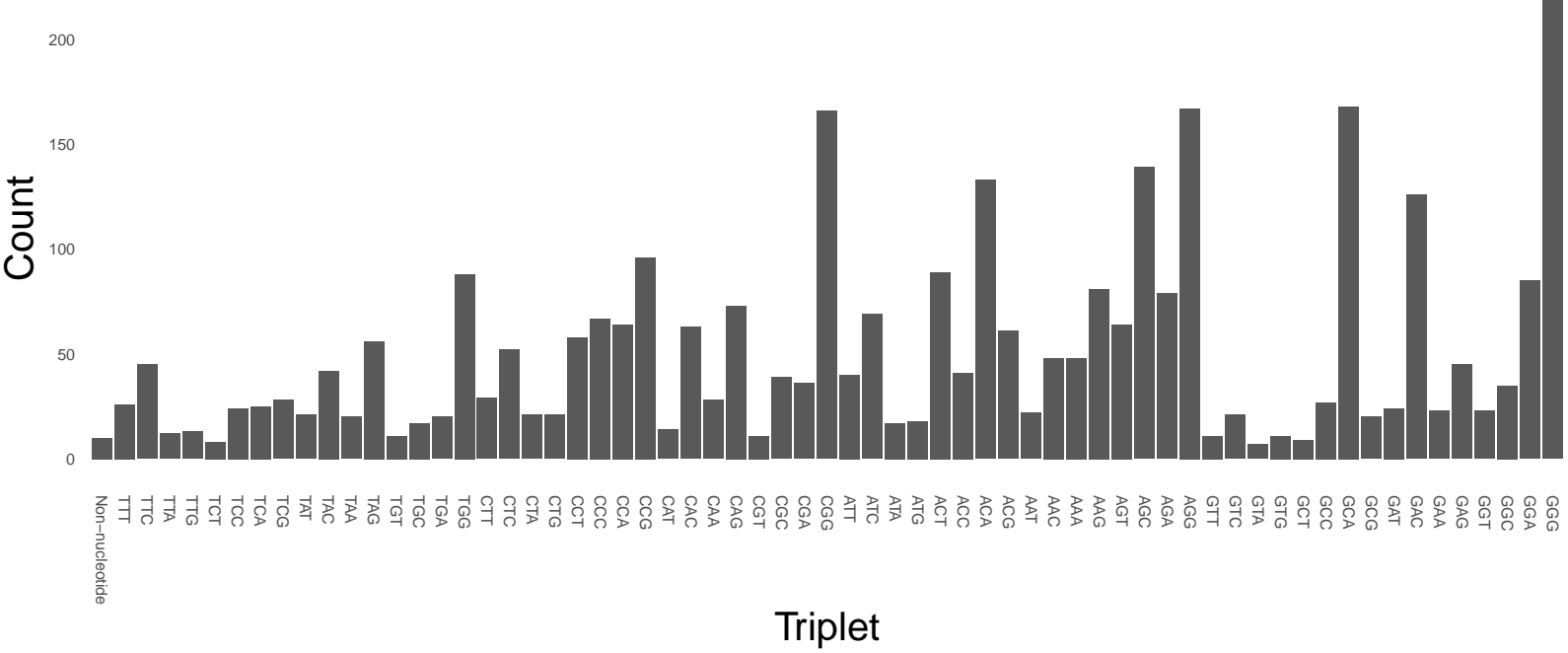
Gene TRBV7-7\*01\_C315T



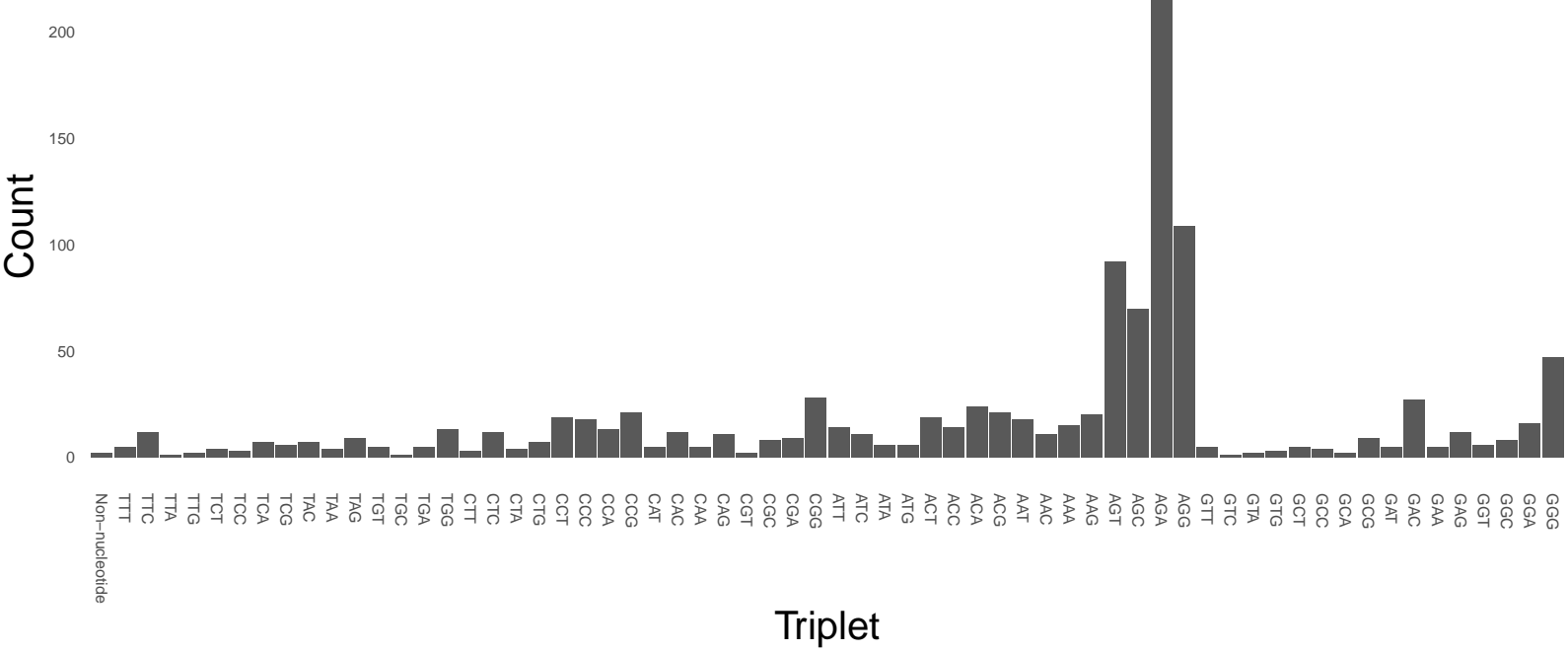
TRBV10–3\*03\_313GCCATCAGTGAGTC326– Final 3 nucleotides as a triplet



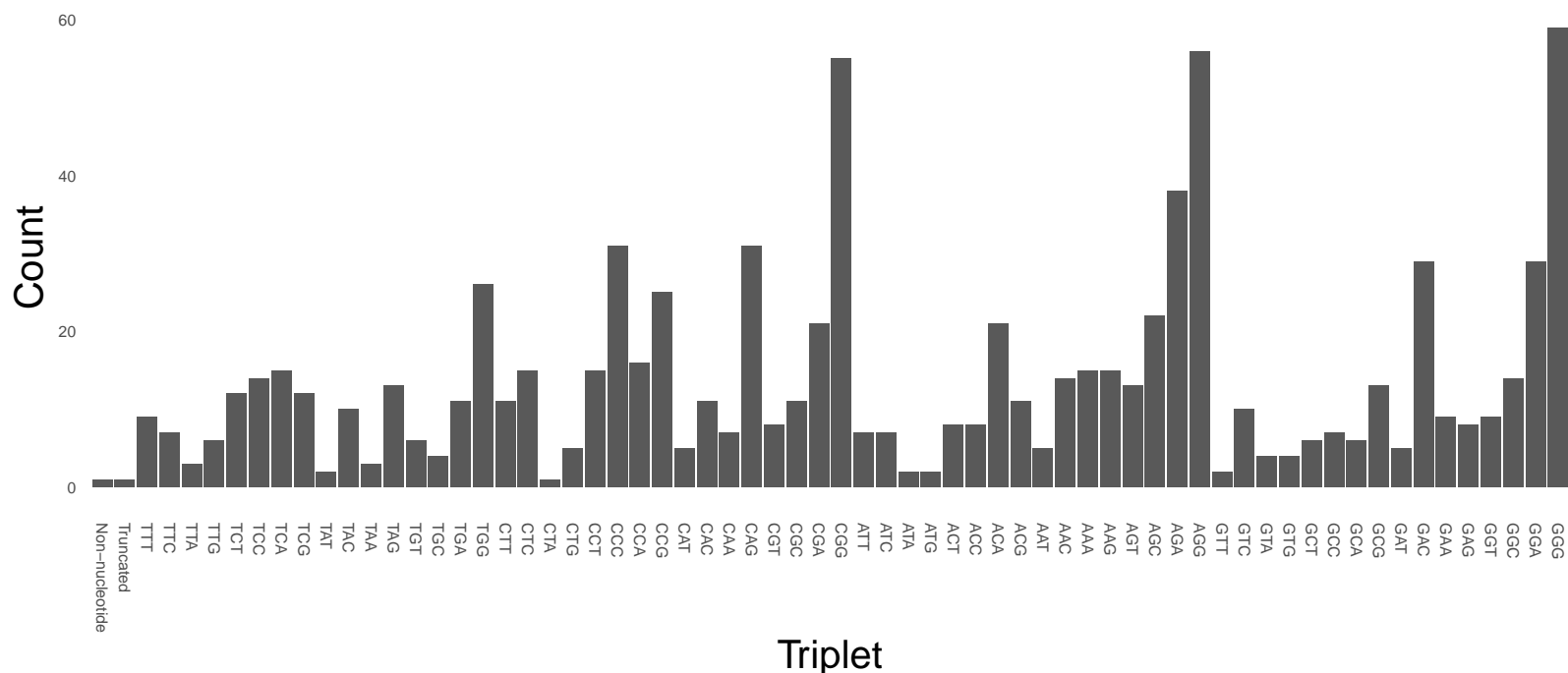
TRBV12–4\*01\_C87T– Final 3 nucleotides as a triplet



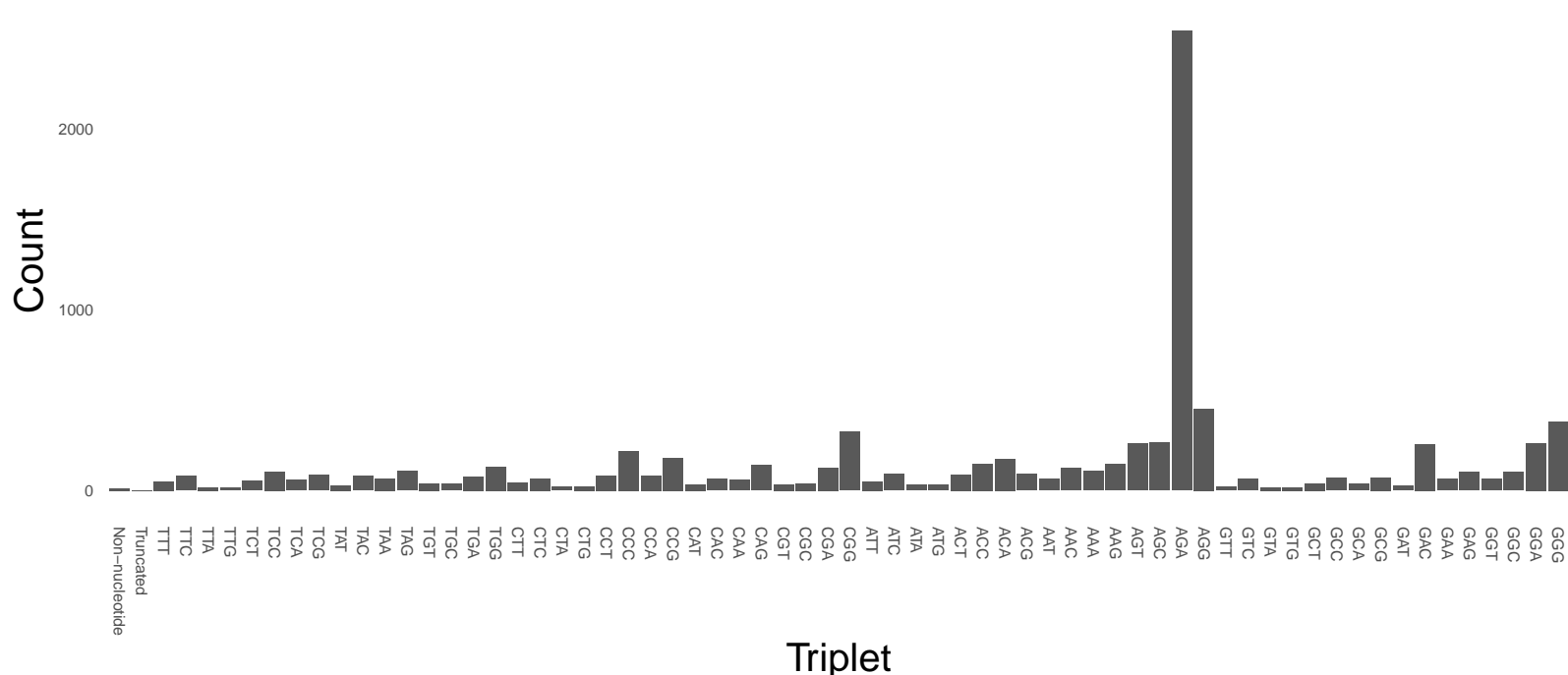
TRBV14\*02\_322CAAGA326– Final 3 nucleotides as a triplet



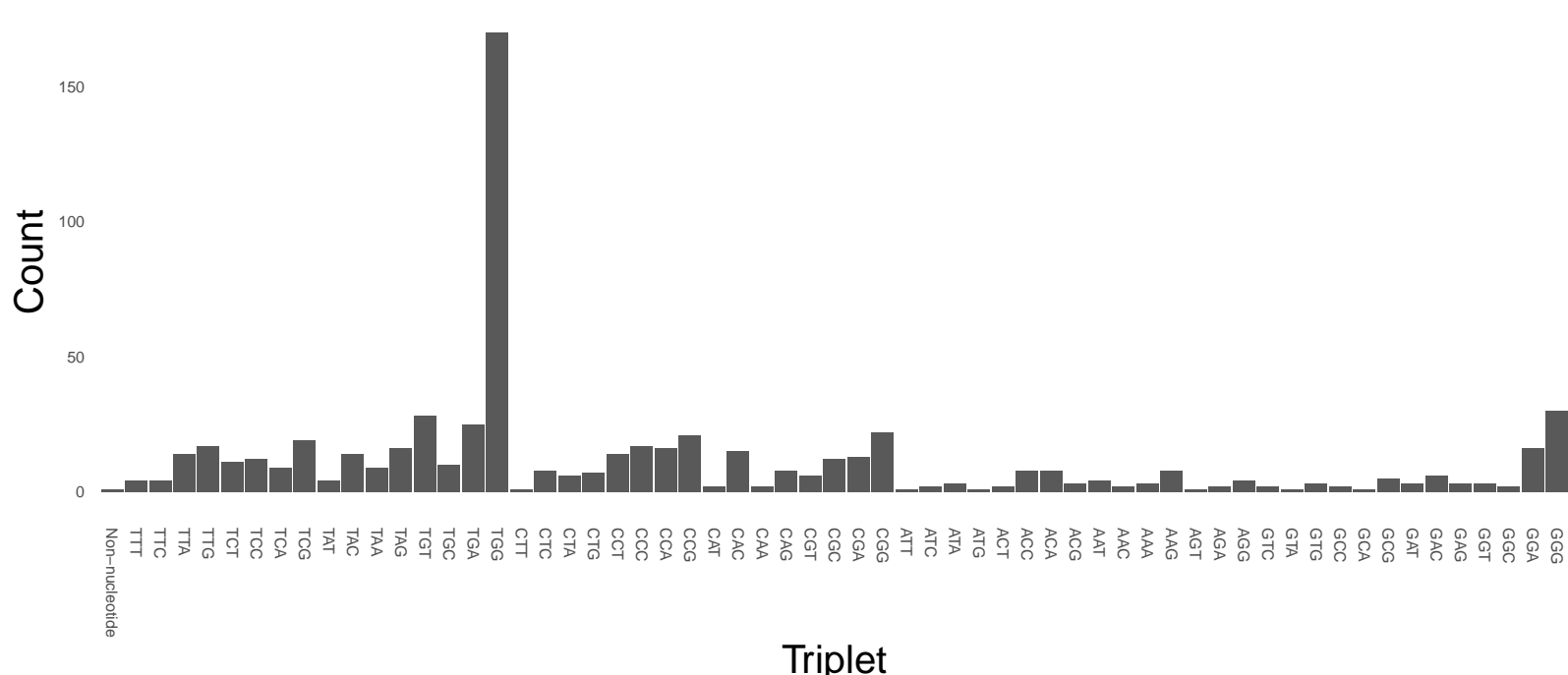
TRBV19\*01\_A24G– Final 3 nucleotides as a triplet



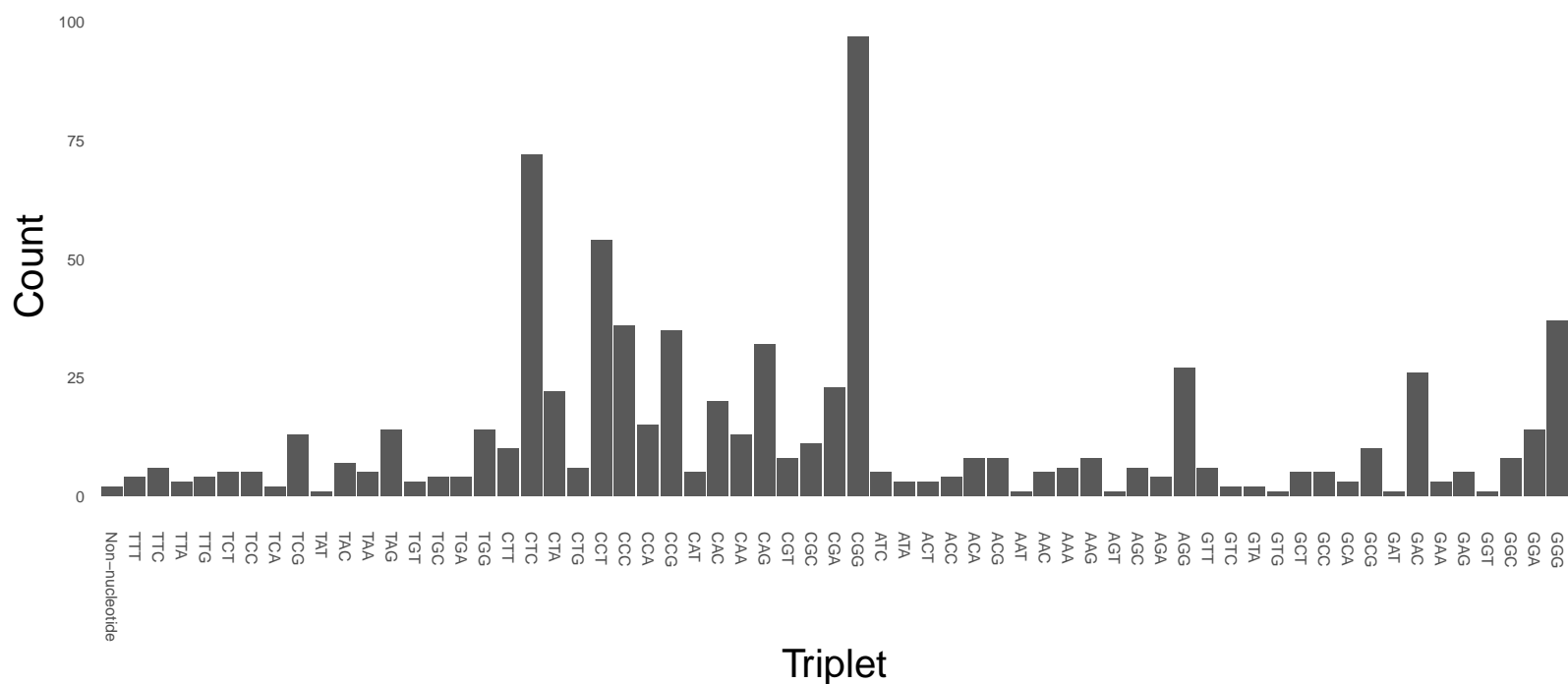
TRBV20–1\*02\_319AGAGA323– Final 3 nucleotides as a triplet



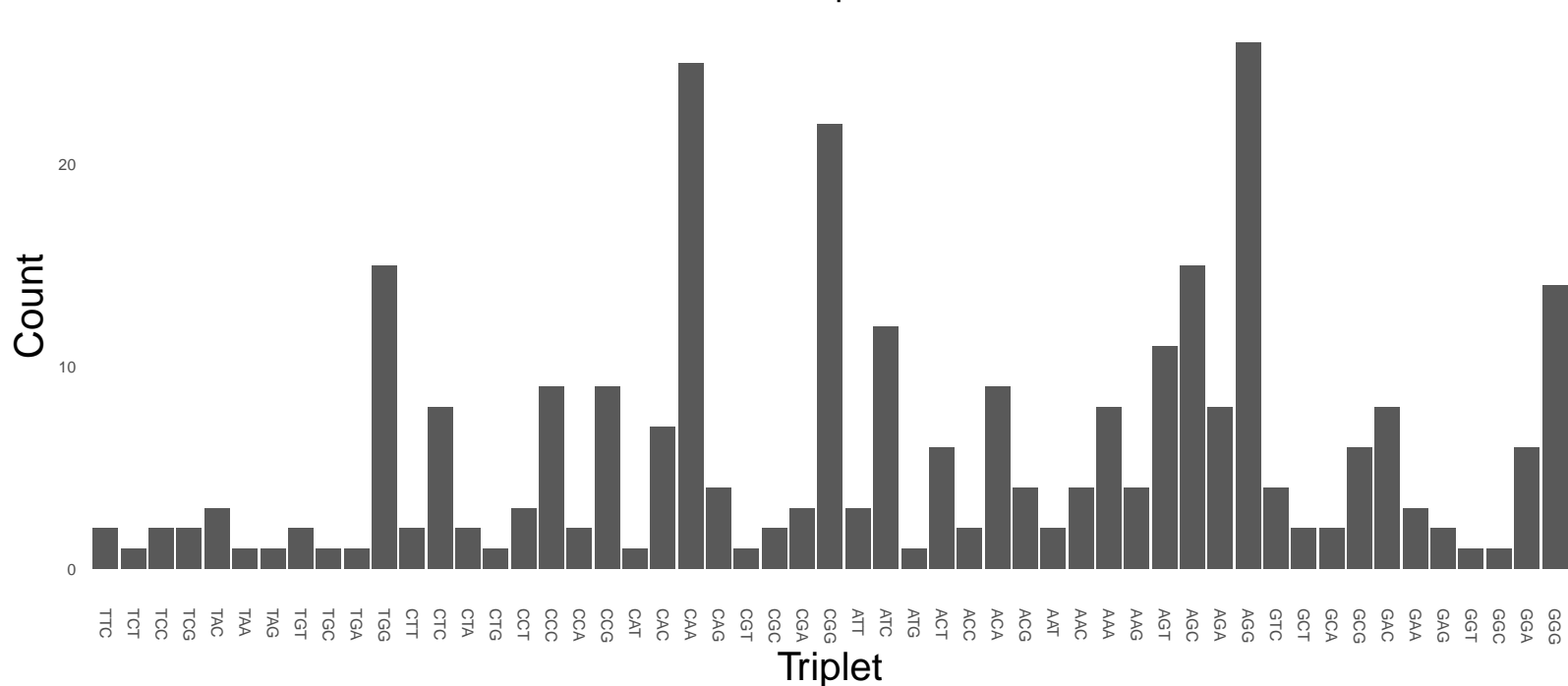
TRBV5–5\*02\_322TTGG325– Final 3 nucleotides as a triplet



TRBV6–23\*01\_G47A– Final 3 nucleotides as a triplet



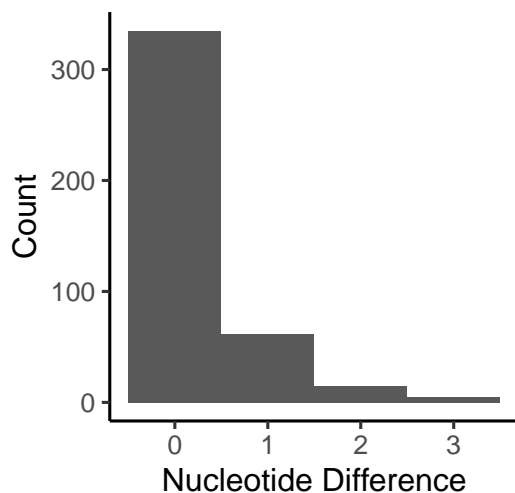
TRBV7–7\*01\_C315T– Final 3 nucleotides as a triplet





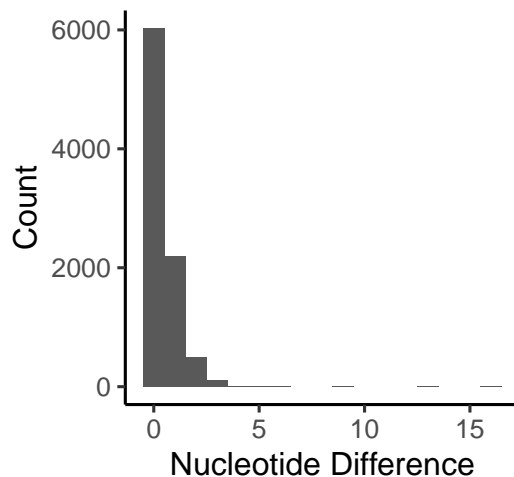
### TRBV10-1\*01

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



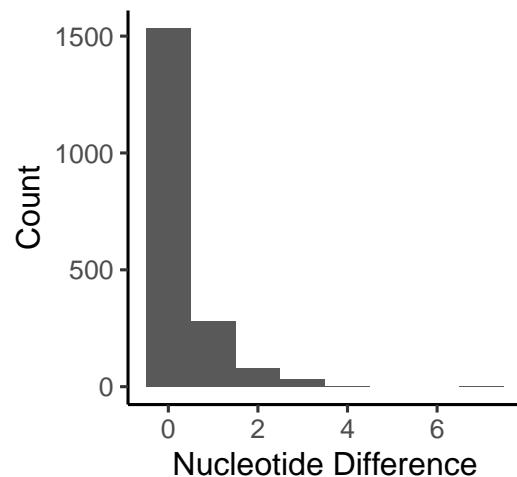
### TRBV20-1\*02\_319AGA(

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



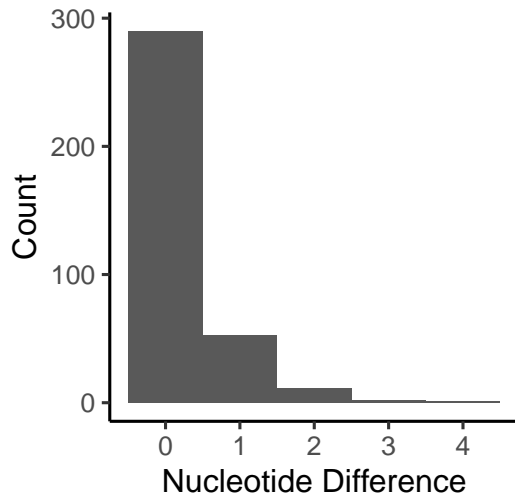
### TRBV10-3\*01

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



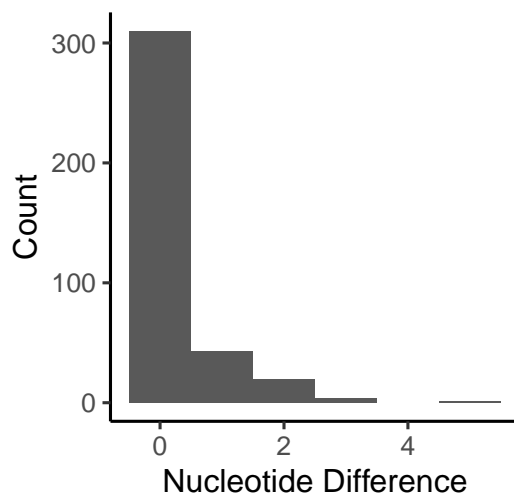
### TRBV10-1\*02

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



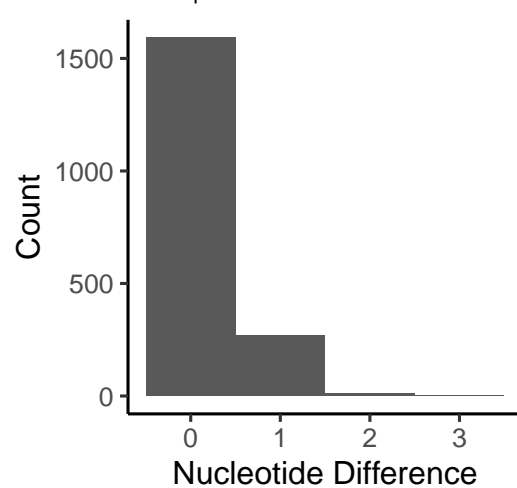
### TRBV10-2\*01

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



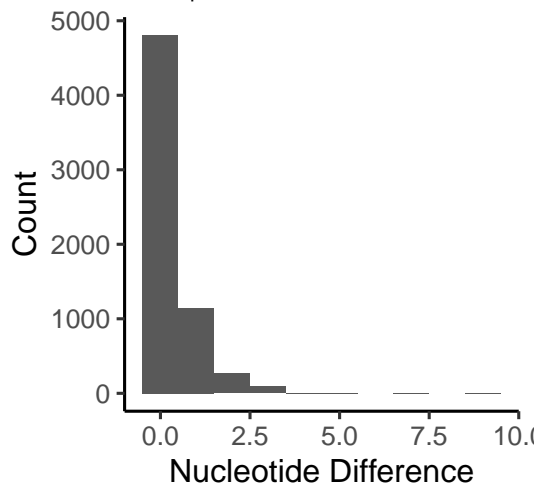
### TRBV10-3\*03\_313GCC

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



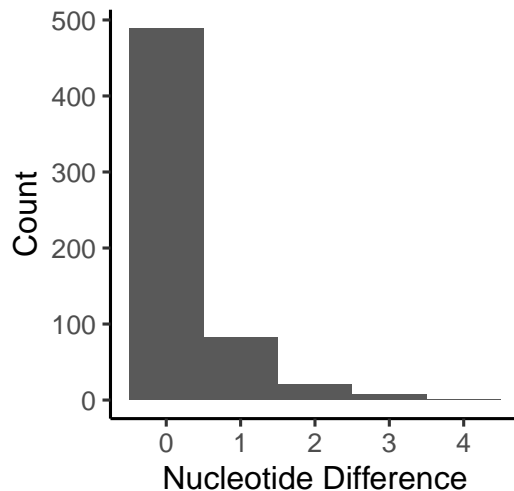
### TRBV20-1\*05

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



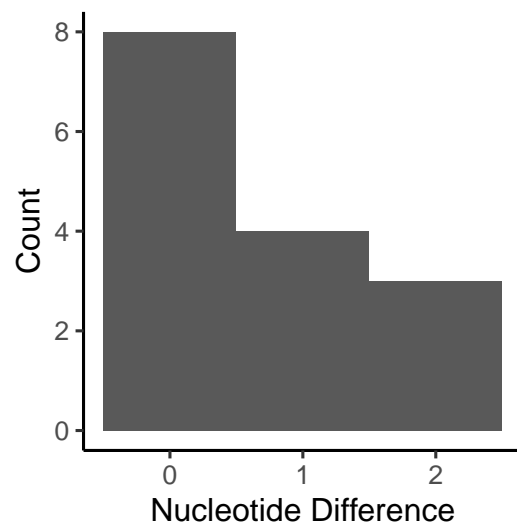
### TRBV10-2\*02

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



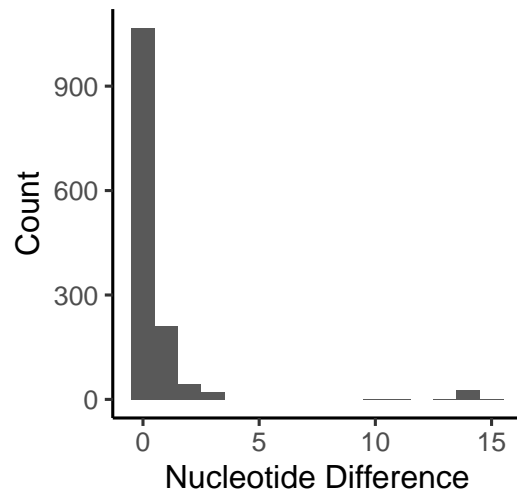
### TRBV1\*01

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



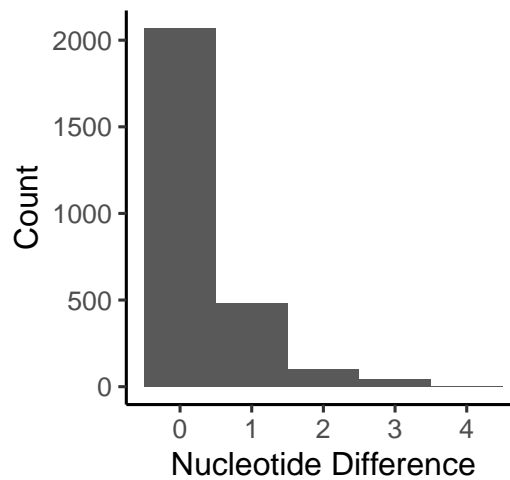
### TRBV13\*01

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



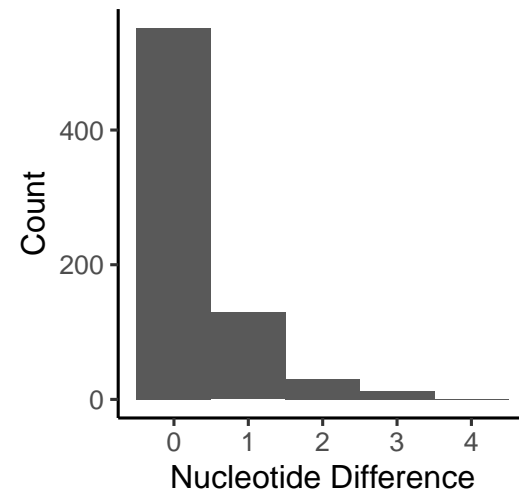
### TRBV15\*02

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



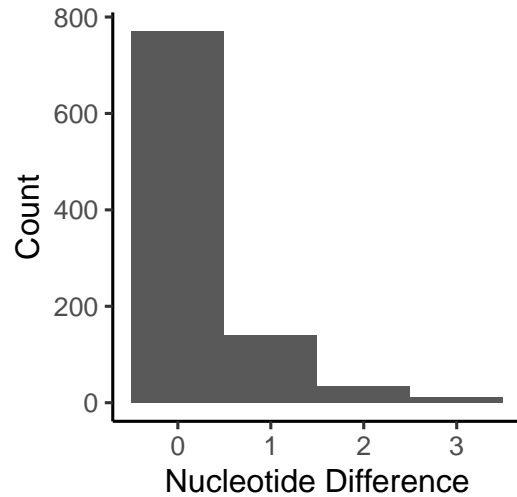
### TRBV19\*01

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



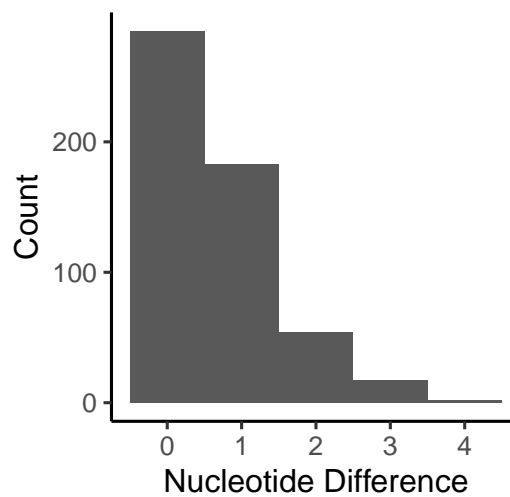
### TRBV14\*01

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



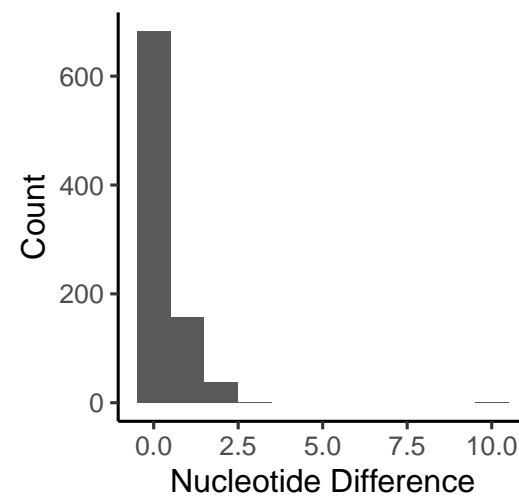
### TRBV16\*01

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



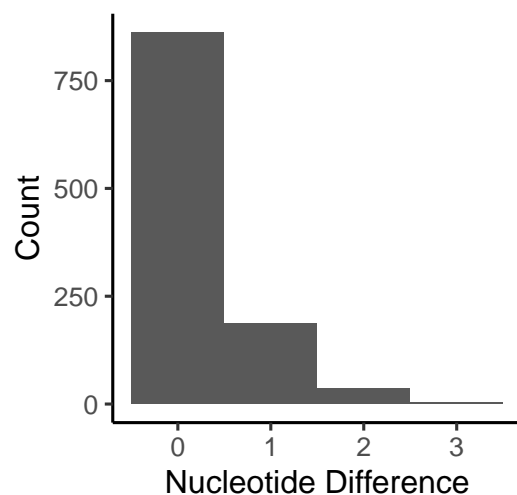
### TRBV19\*01\_A24G

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



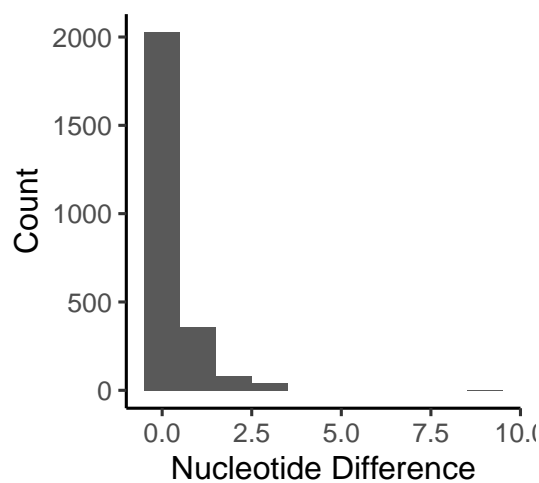
### TRBV14\*02\_322CAAGA3

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



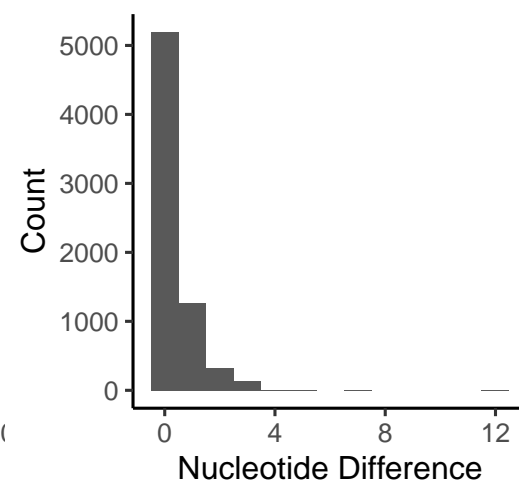
### TRBV18\*01

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



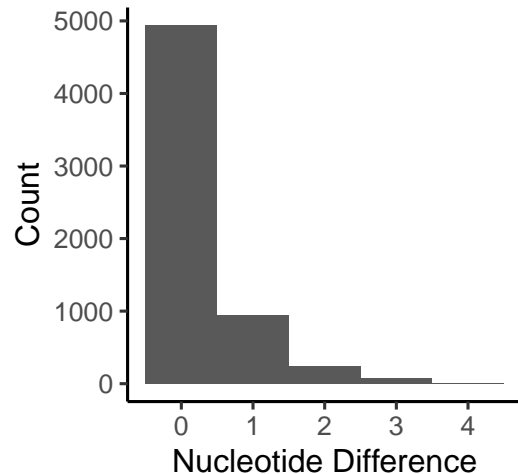
### TRBV2\*01

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



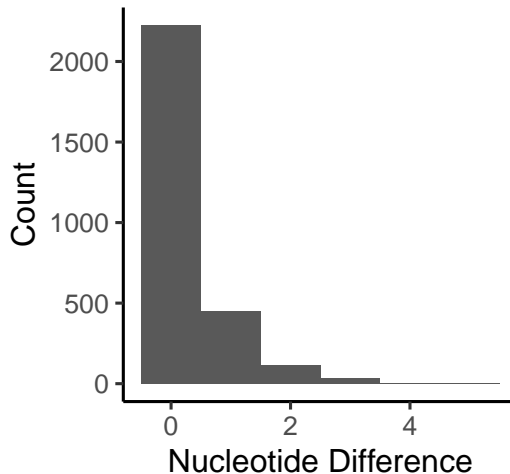
### TRBV27\*01

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



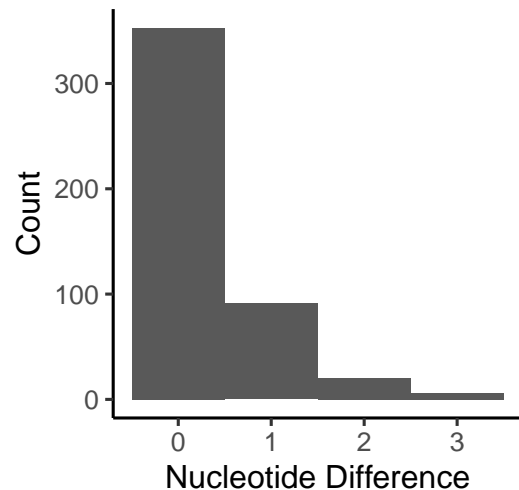
### TRBV9\*01

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



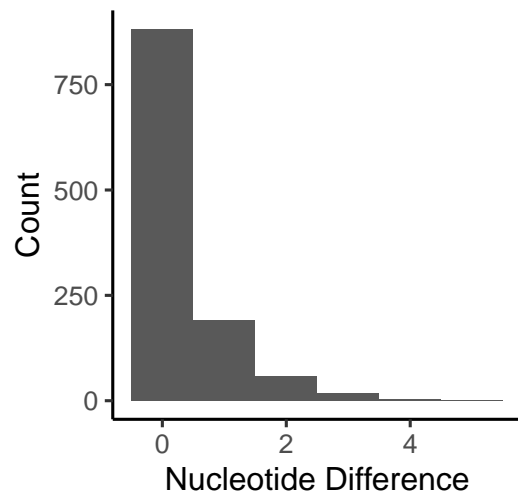
### TRBV11-1\*01

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



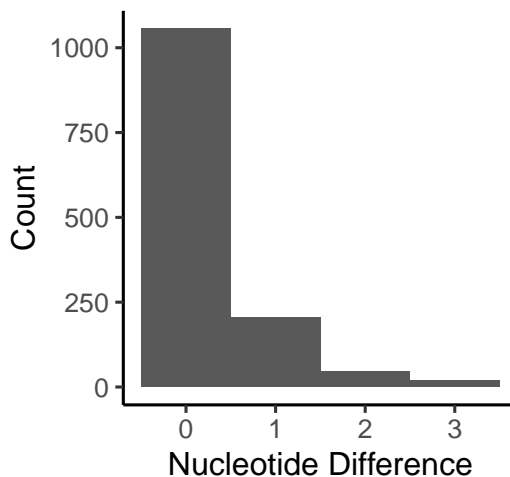
### TRBV28\*01

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



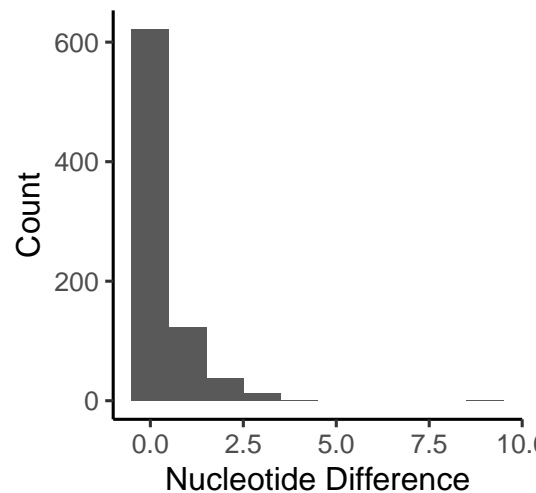
### TRBV9\*02

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



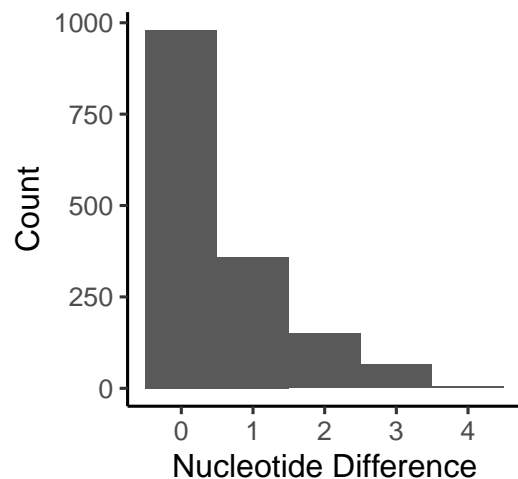
### TRBV21-1\*02

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



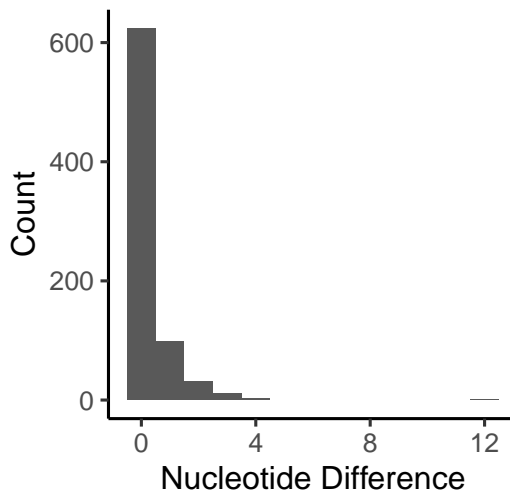
### TRBV30\*01

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



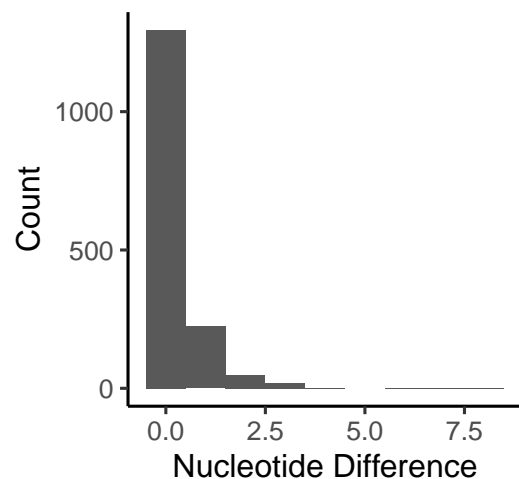
### TRBV21-1\*01

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



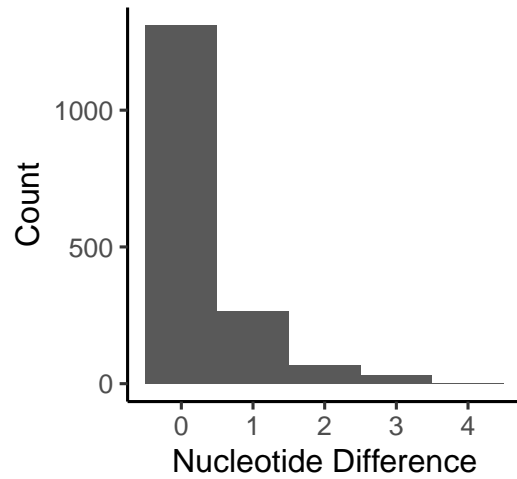
### TRBV11-2\*01

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



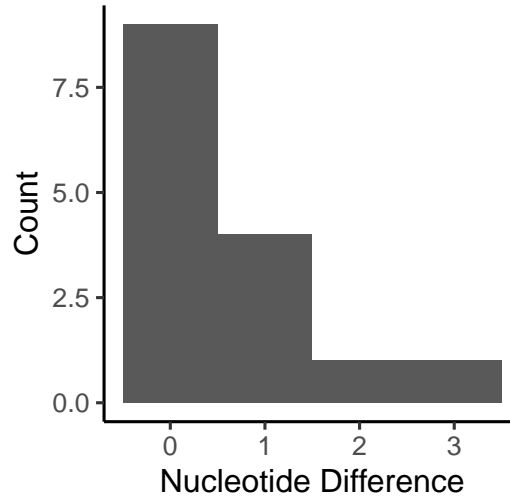
### TRBV11-2\*03

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



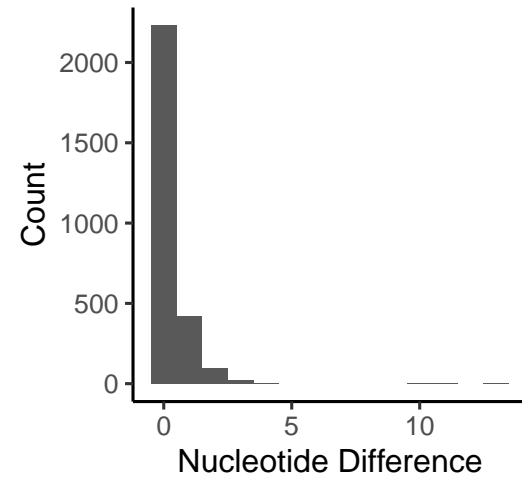
### TRBV12-1\*01

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



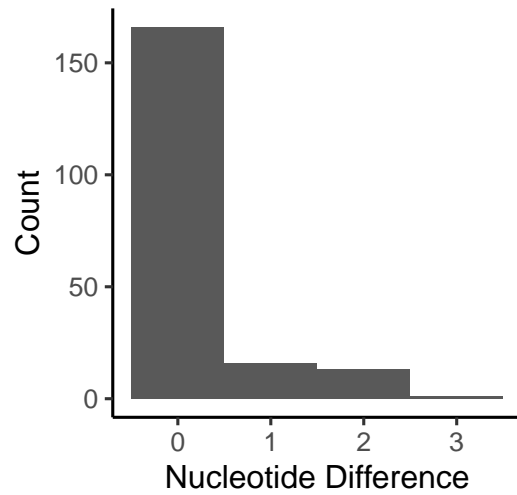
### TRBV12-4\*01

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



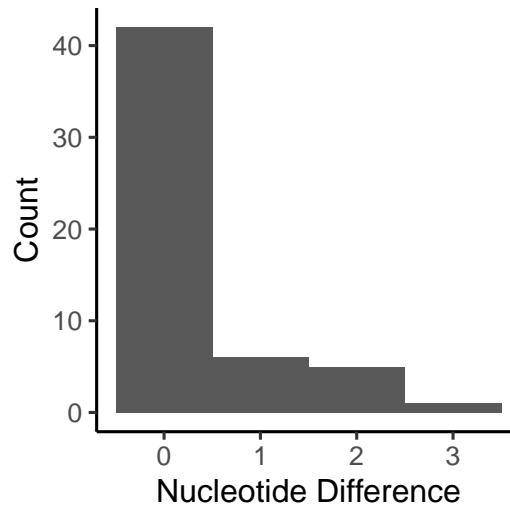
### TRBV11-3\*01

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



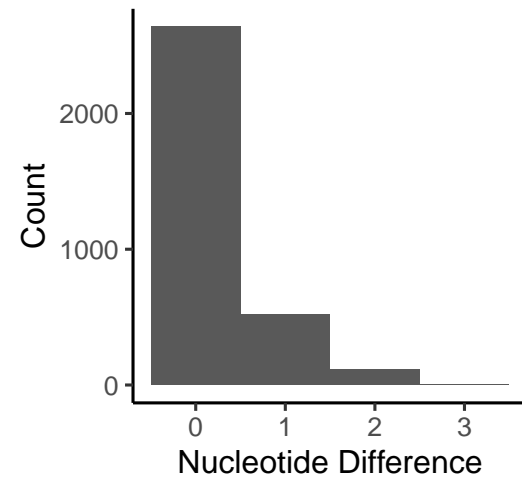
### TRBV12-2\*01

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



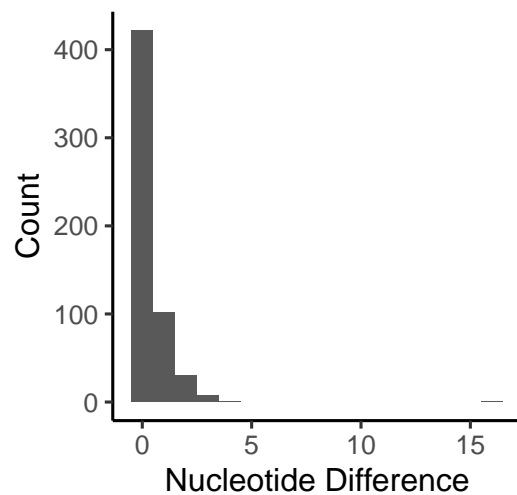
### TRBV12-4\*01\_C87T

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



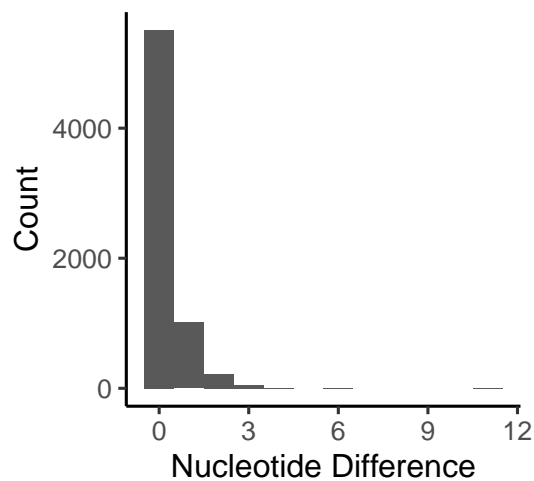
### TRBV11-3\*04

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



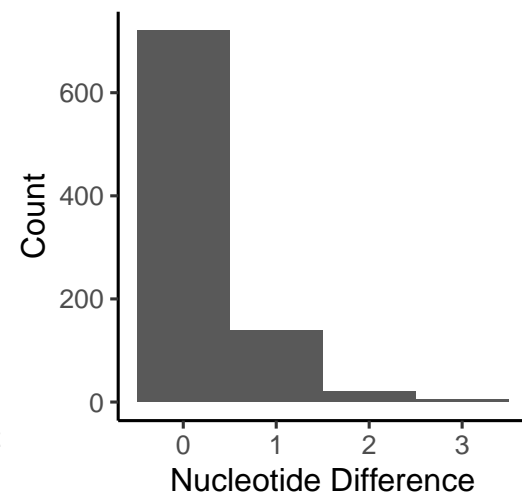
### TRBV12-3\*01

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



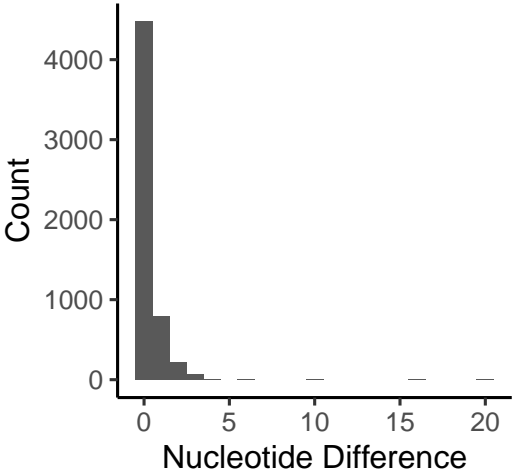
### TRBV12-5\*01

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



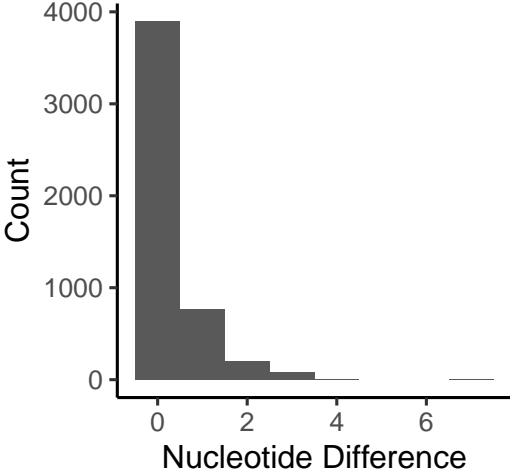
TRBV3-1\*01

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



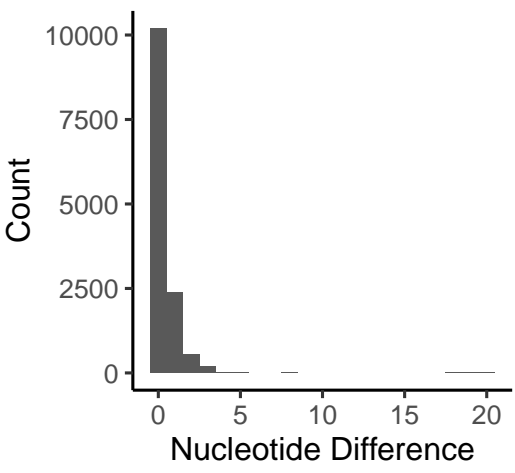
TRBV4-1\*01

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



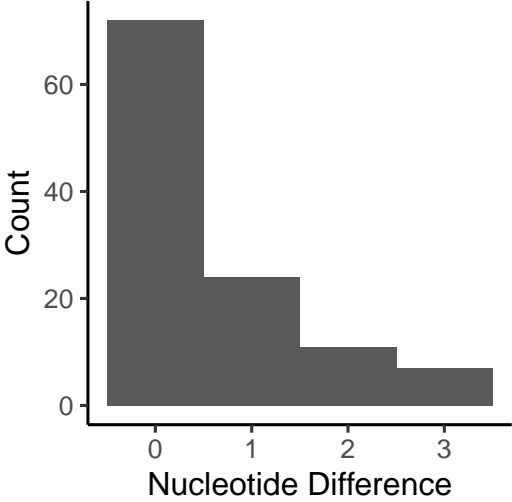
TRBV5-1\*01

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



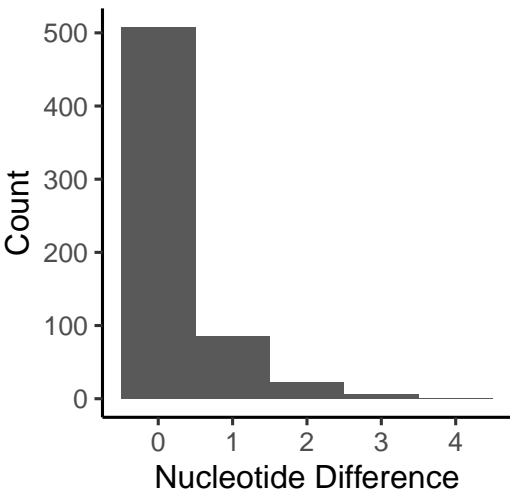
TRBV23-1\*01

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



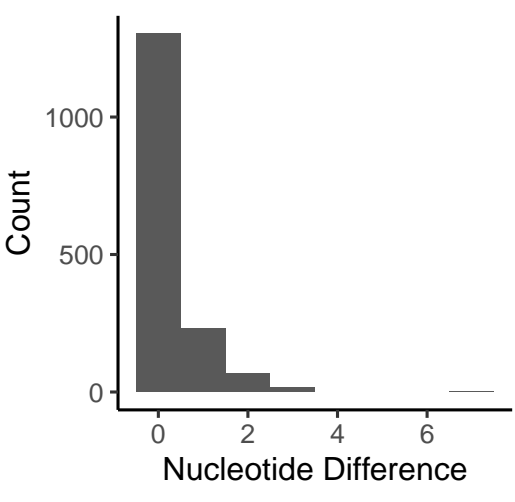
TRBV24-1\*02

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



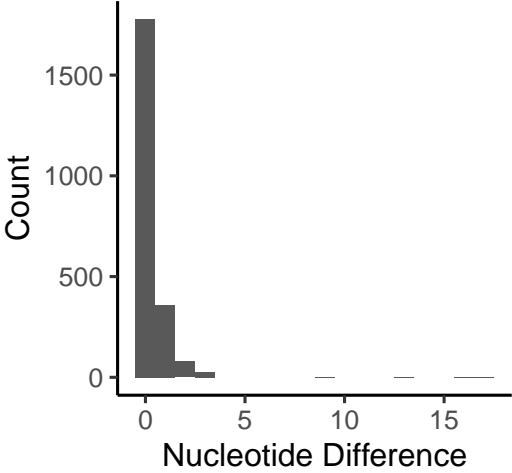
TRBV25-1\*01

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



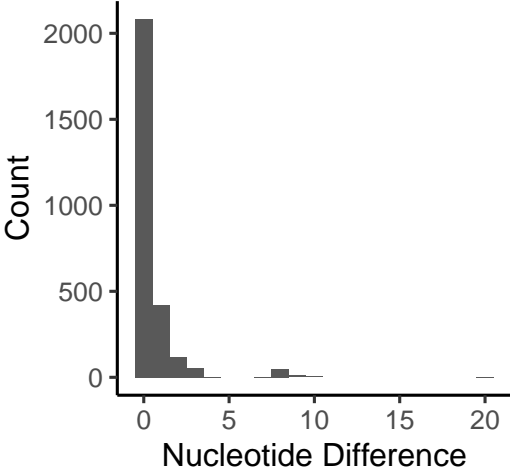
TRBV24-1\*01

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



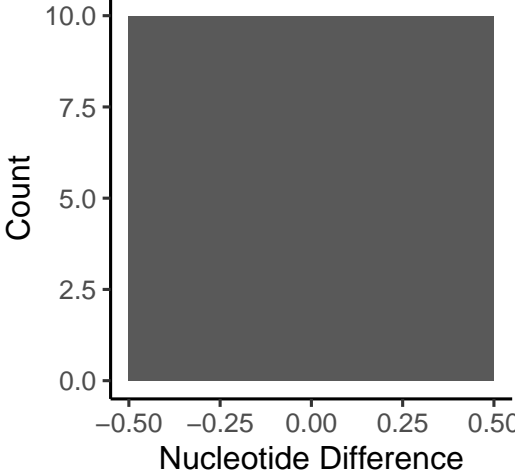
TRBV4-2\*01

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



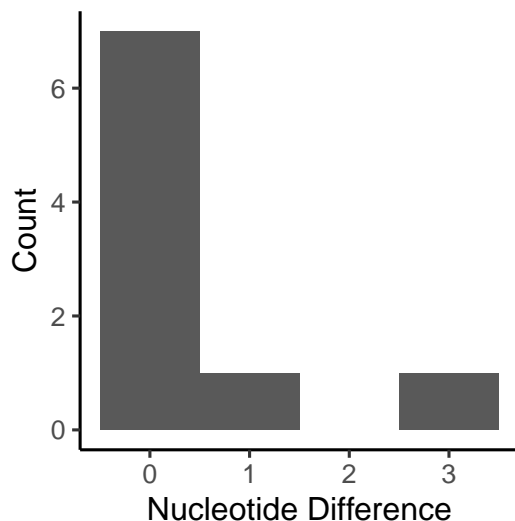
TRBV5-3\*01

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



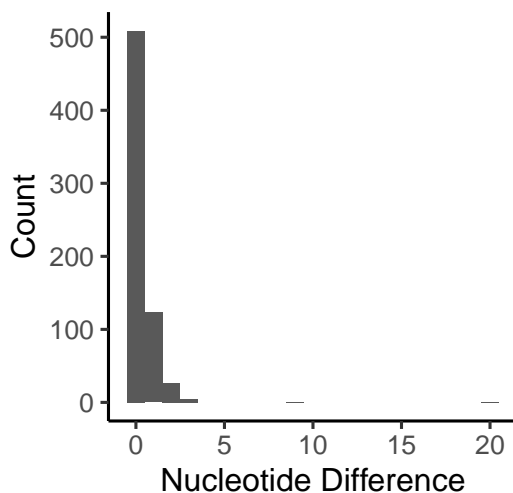
### TRBV5-3\*02

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



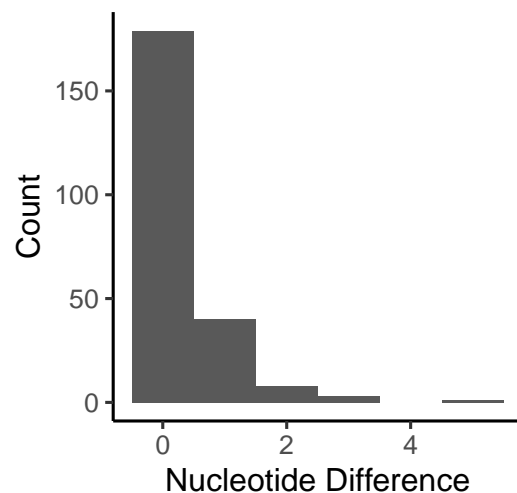
### TRBV5-5\*02\_322TTGG3

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



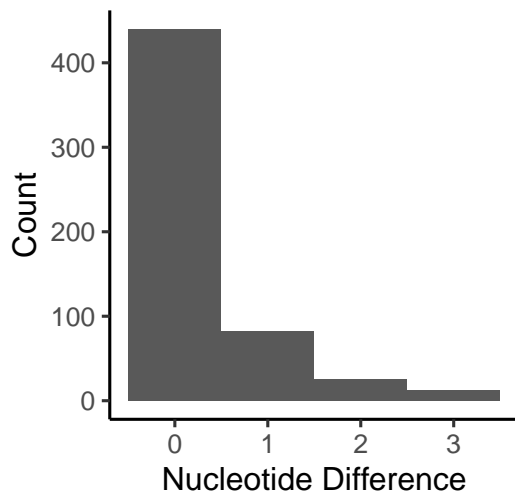
### TRBV5-8\*01

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



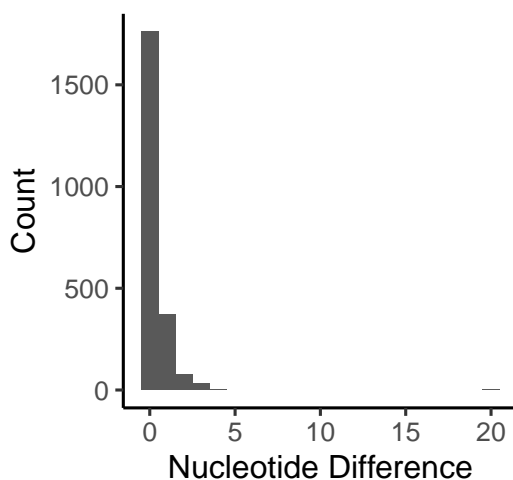
### TRBV5-4\*01

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



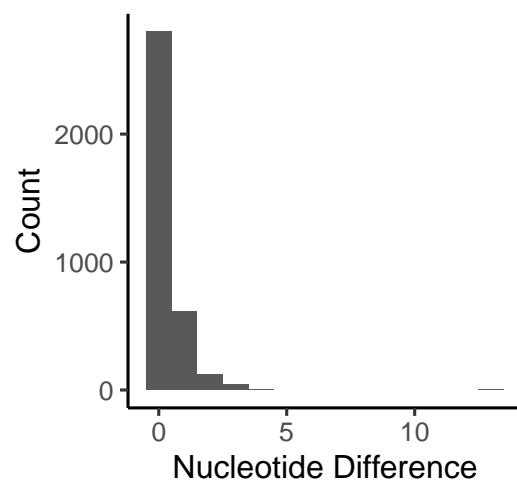
### TRBV5-6\*01

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



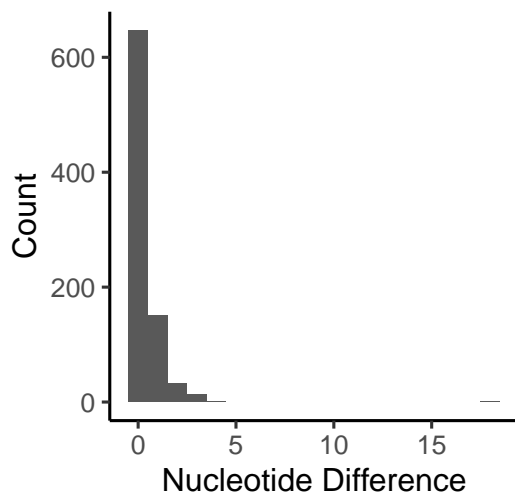
### TRBV6-1\*01

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



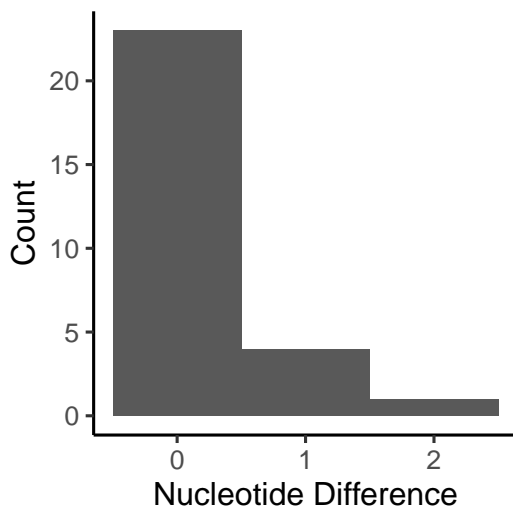
### TRBV5-5\*01

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



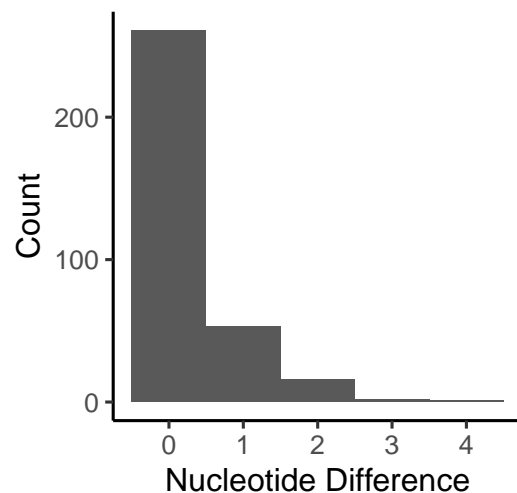
### TRBV5-7\*01

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



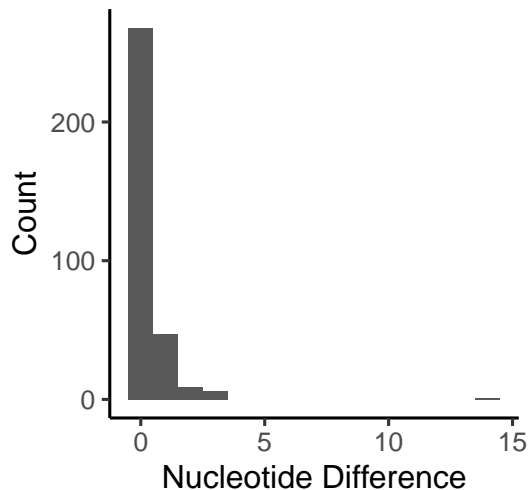
### TRBV6-4\*01

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



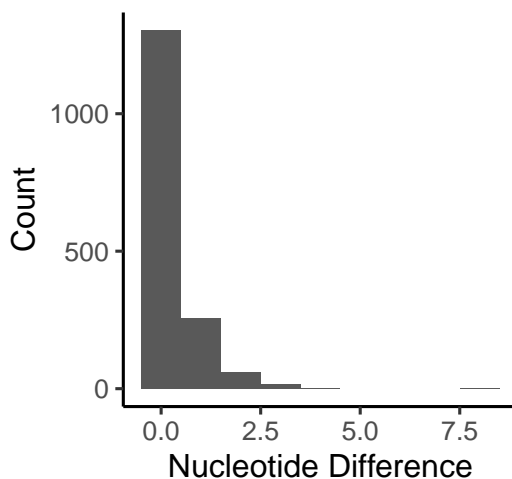
### TRBV6-4\*02

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



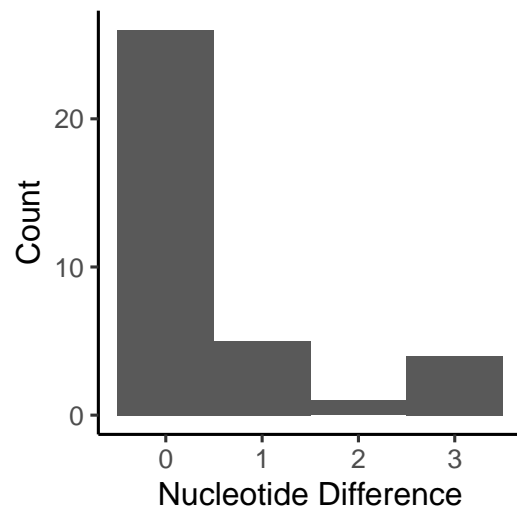
### TRBV6-6\*02

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



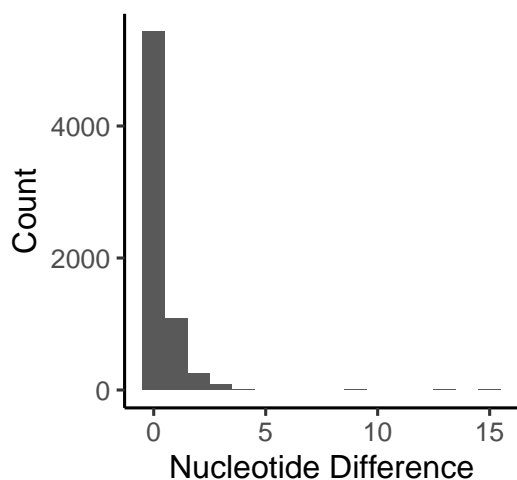
### TRBV6-9\*01

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



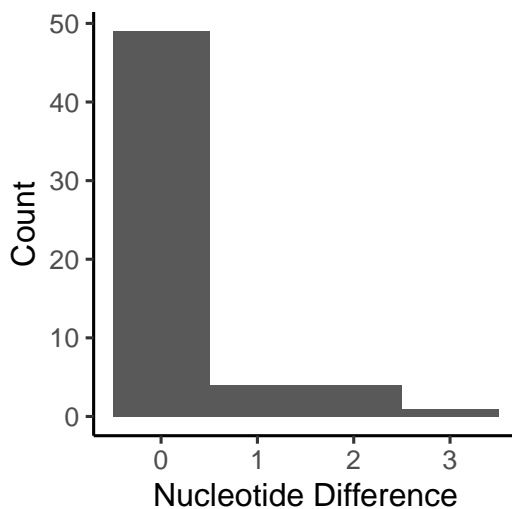
### TRBV6-5\*01

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



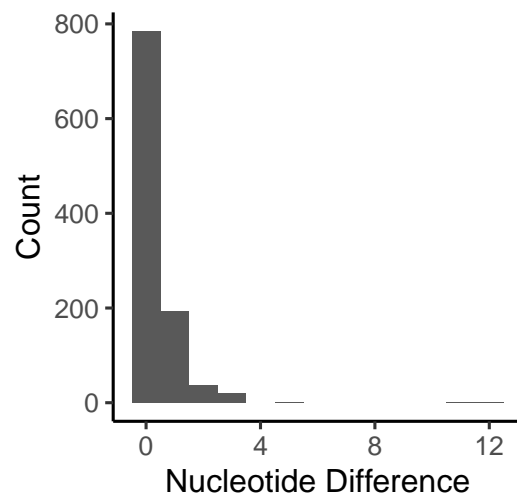
### TRBV6-7\*01

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



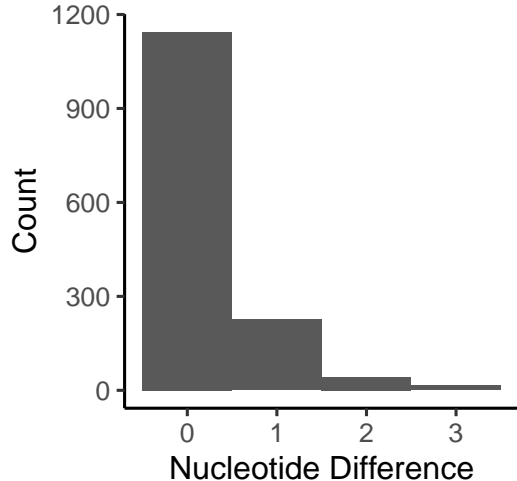
### TRBV6-23\*01

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



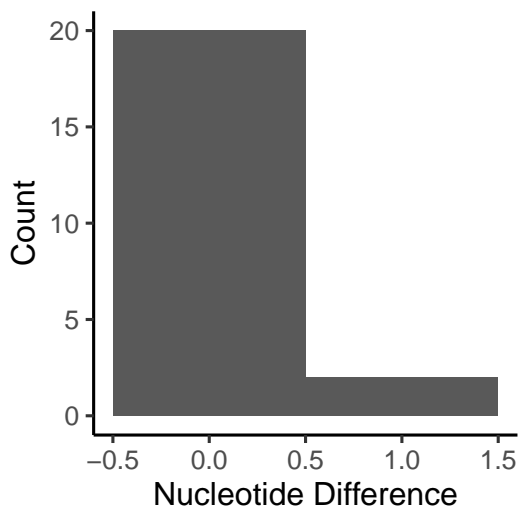
### TRBV6-6\*01

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



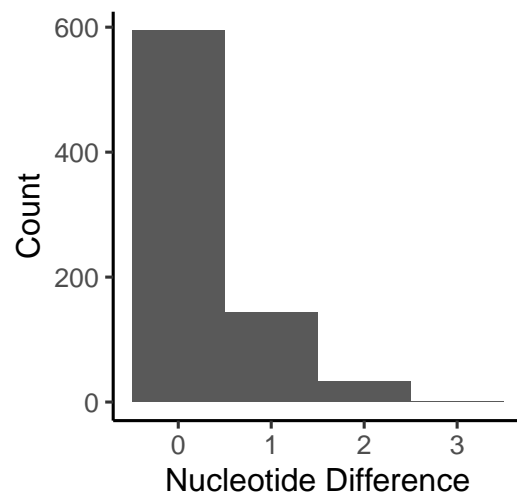
### TRBV6-8\*01

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



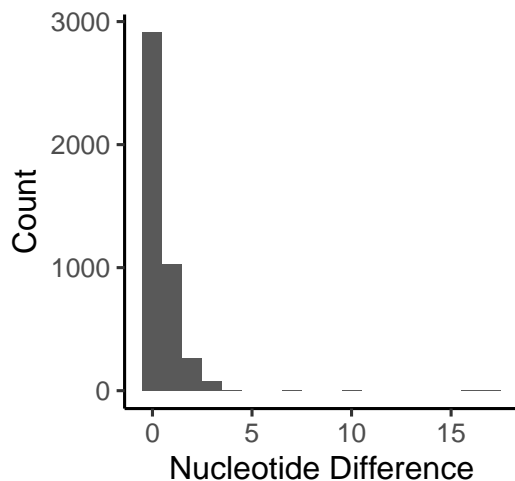
### TRBV6-23\*01\_G47A

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



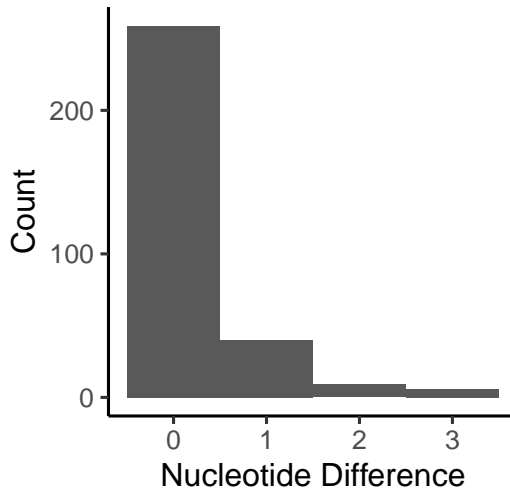
### TRBV7-2\*01

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



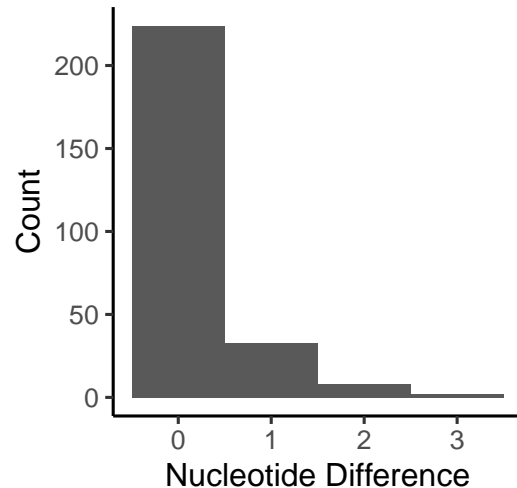
### TRBV7-3\*03

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



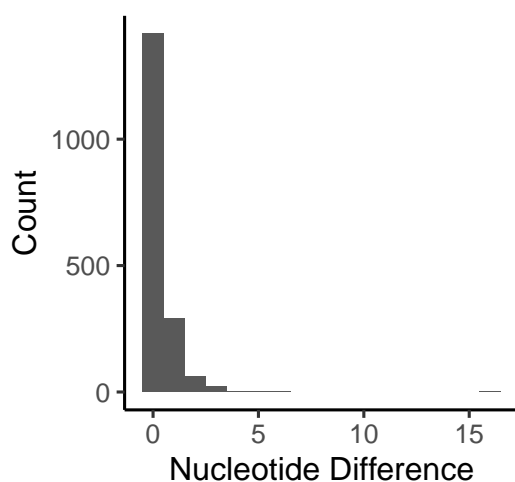
### TRBV7-7\*01

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



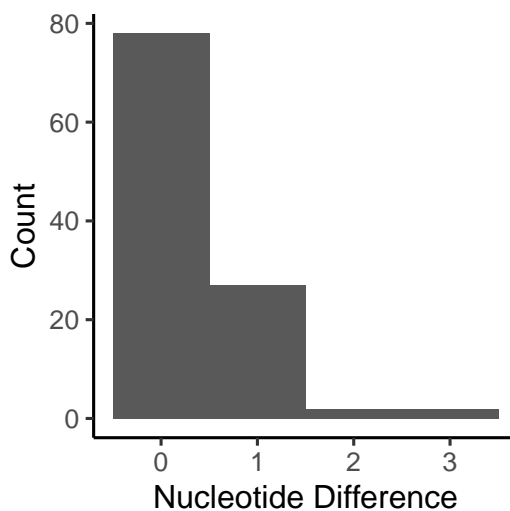
### TRBV7-2\*02

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



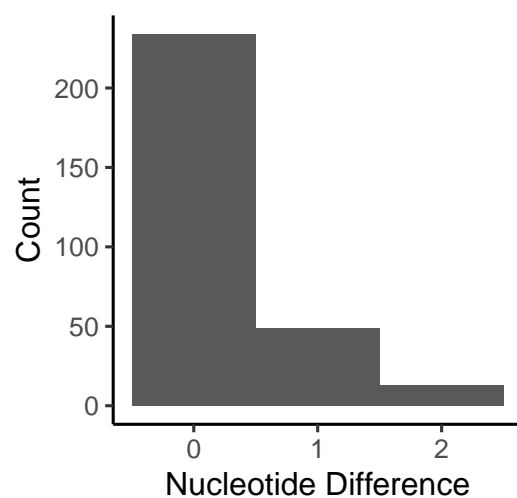
### TRBV7-4\*01

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



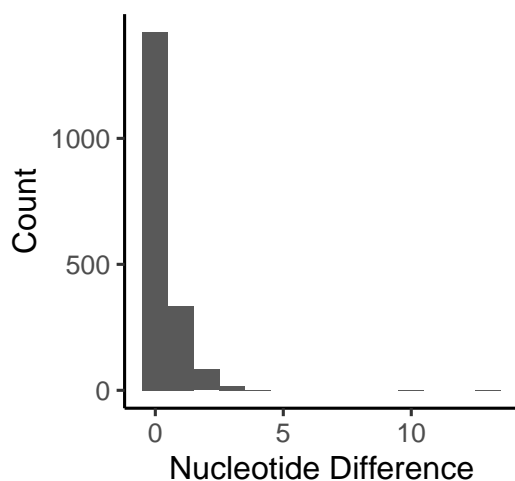
### TRBV7-7\*01\_C315T

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



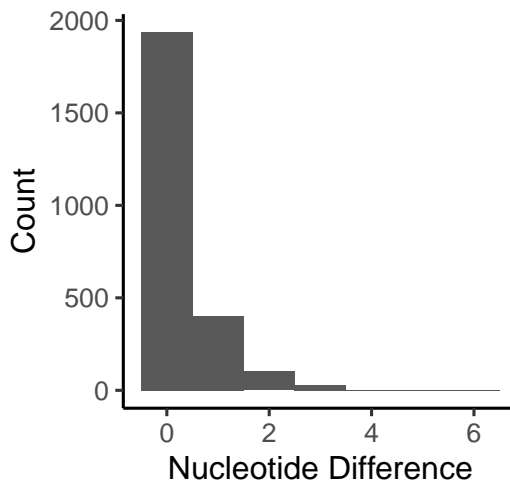
### TRBV7-3\*01

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



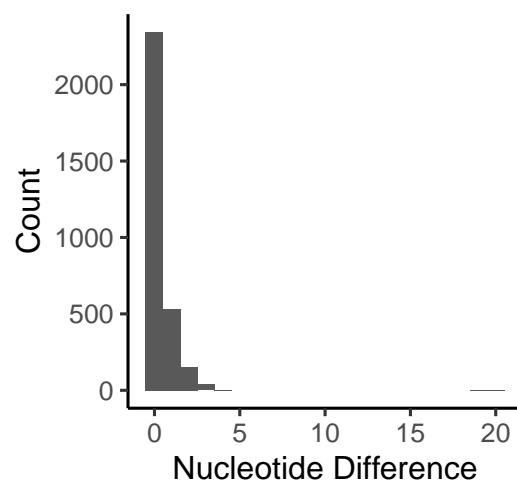
### TRBV7-6\*01

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



### TRBV7-8\*01

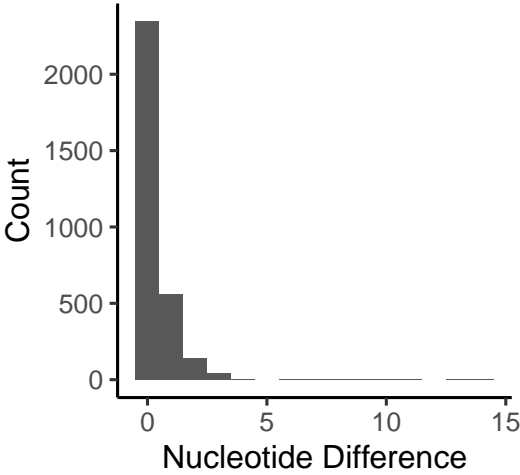
3074 sequences assigned  
2344 (76.3%) exact matches, in which:  
1847 unique CDR3  
13 unique J





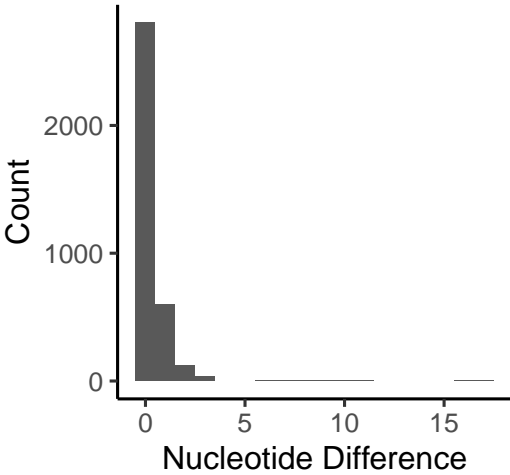
### TRBV7-9\*01

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



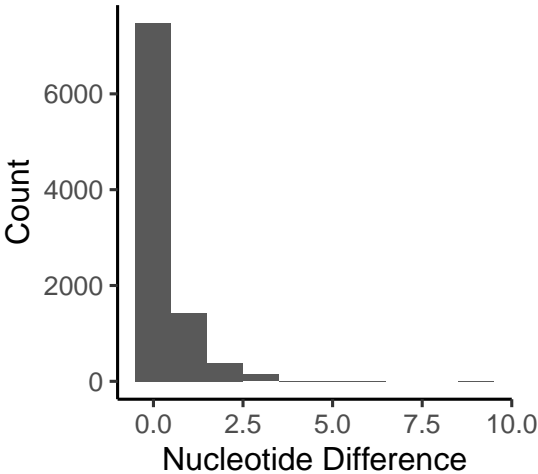
### TRBV7-9\*03

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

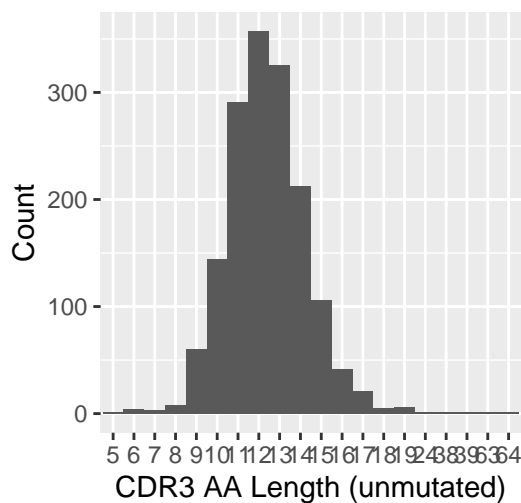


### TRBV29-1\*01

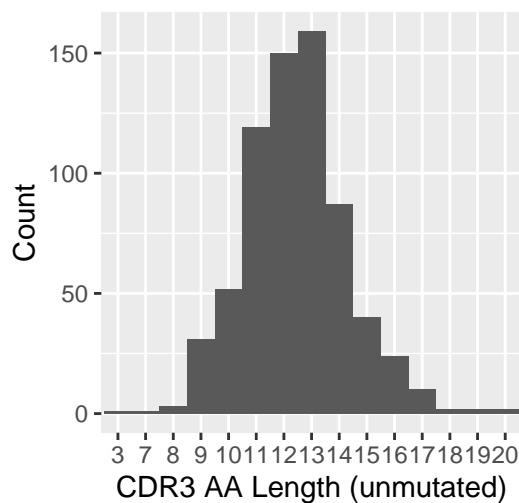
9439 sequences assigned  
7478 (79.2%) exact matches, in which:  
6410 unique CDR3  
13 unique J



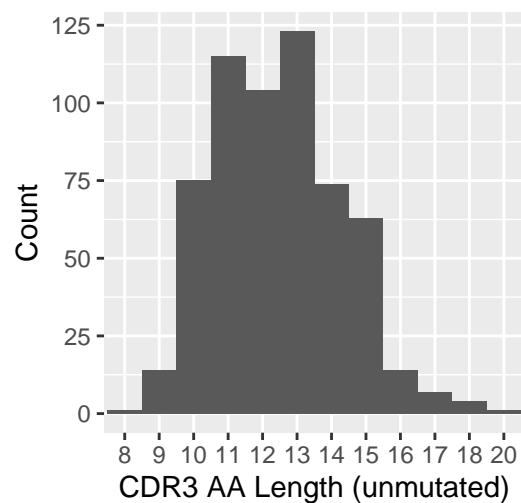
TRBV10-3\*03\_313GCCATC



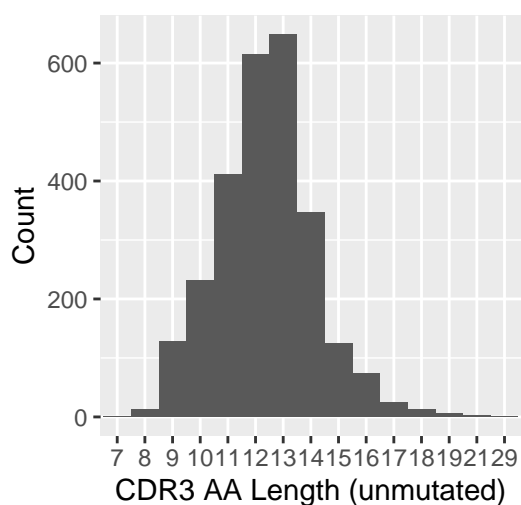
TRBV19\*01\_A24G



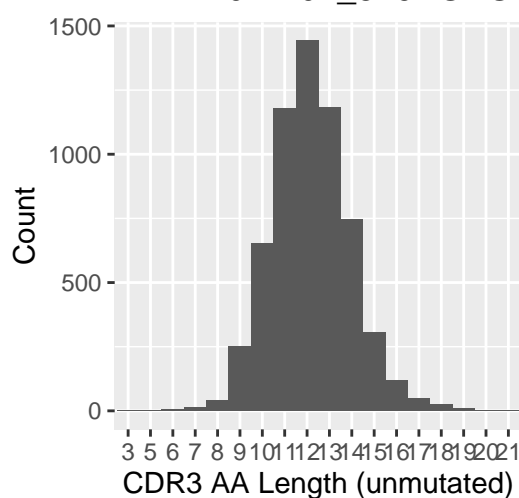
TRBV6-23\*01\_G47A



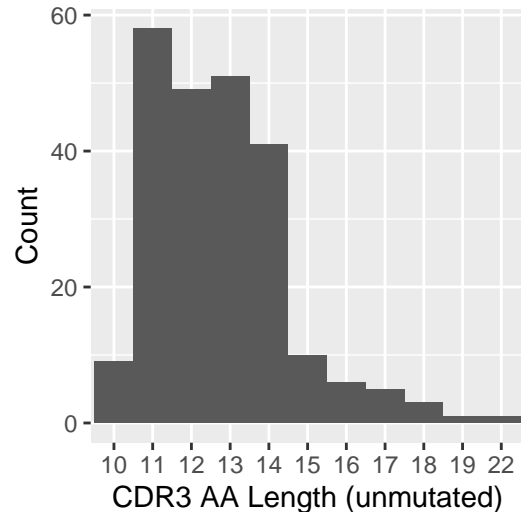
TRBV12-4\*01\_C87T



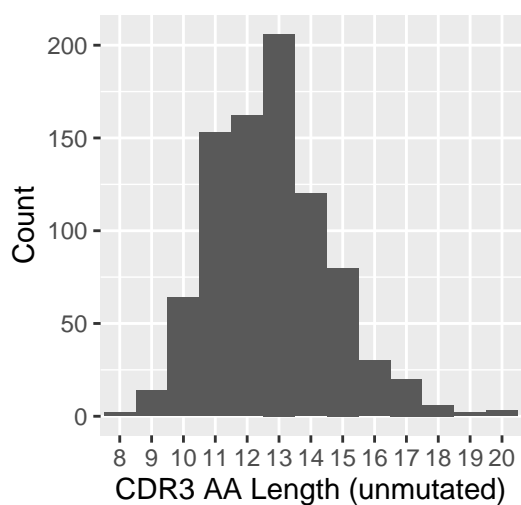
TRBV20-1\*02\_319AGAGA



TRBV7-7\*01\_C315T



TRBV14\*02\_322CAAGA326



TRBV5-5\*02\_322TTGG325

