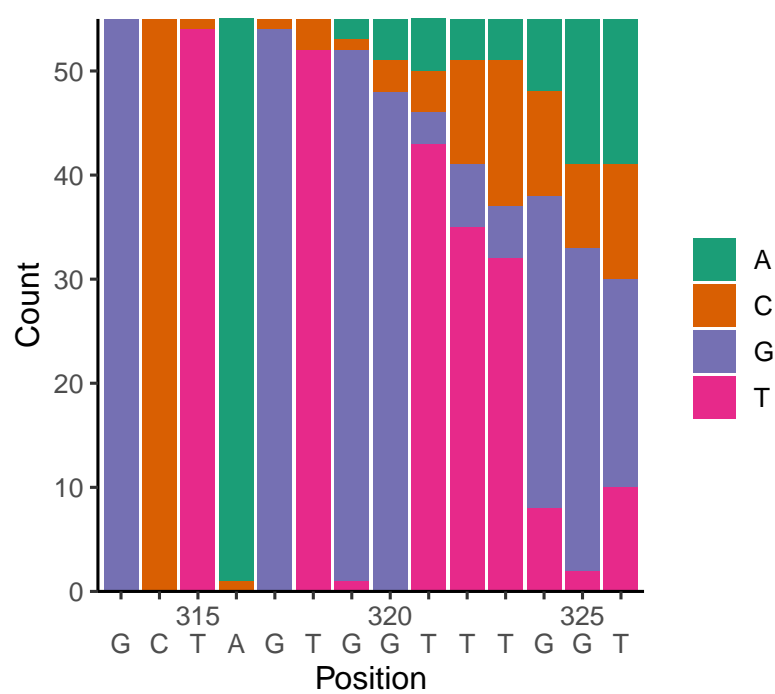
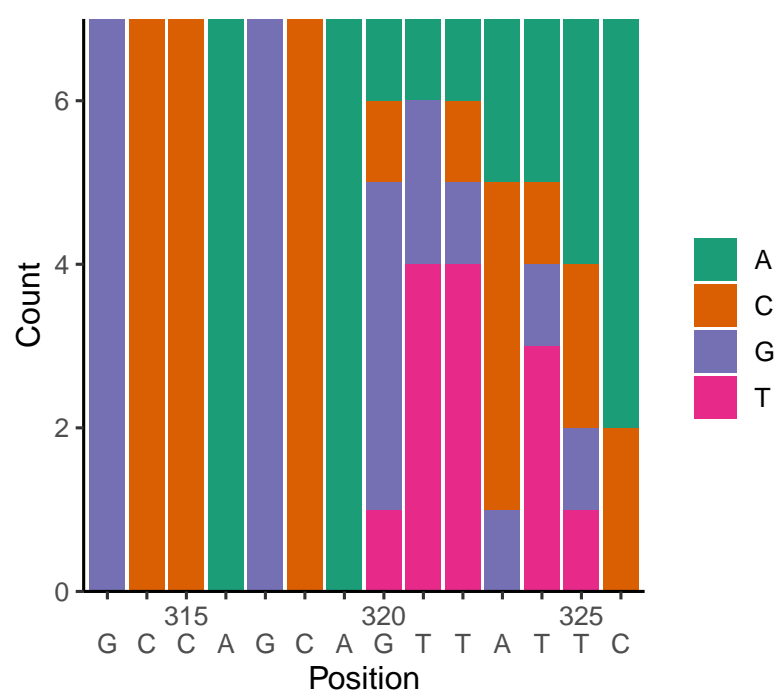


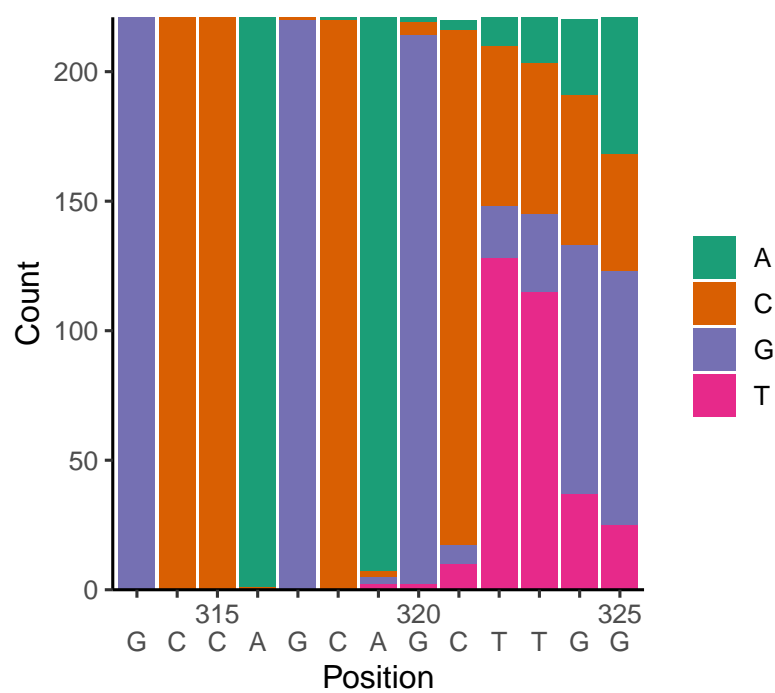
Gene TRBV12-5\*01\_C28G



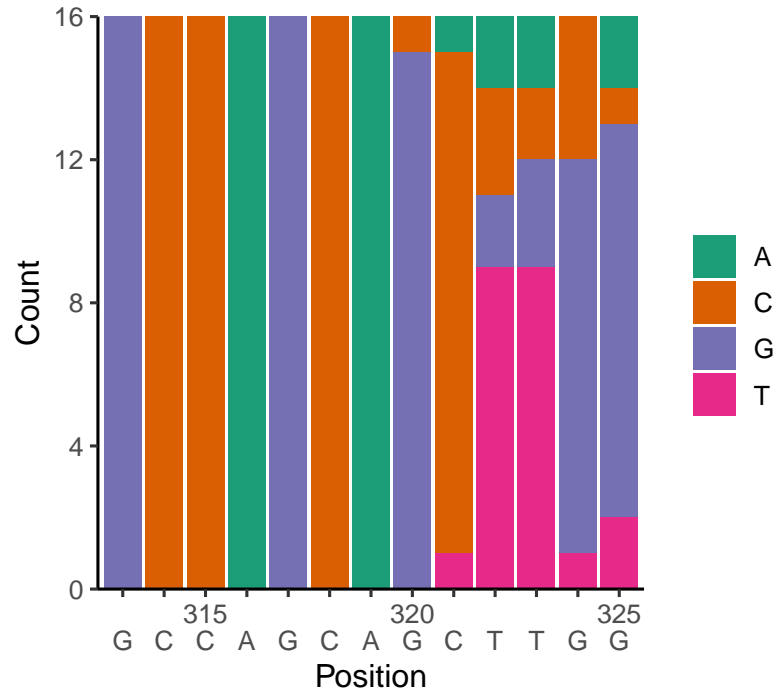
Gene TRBV6-9\*01\_A303G



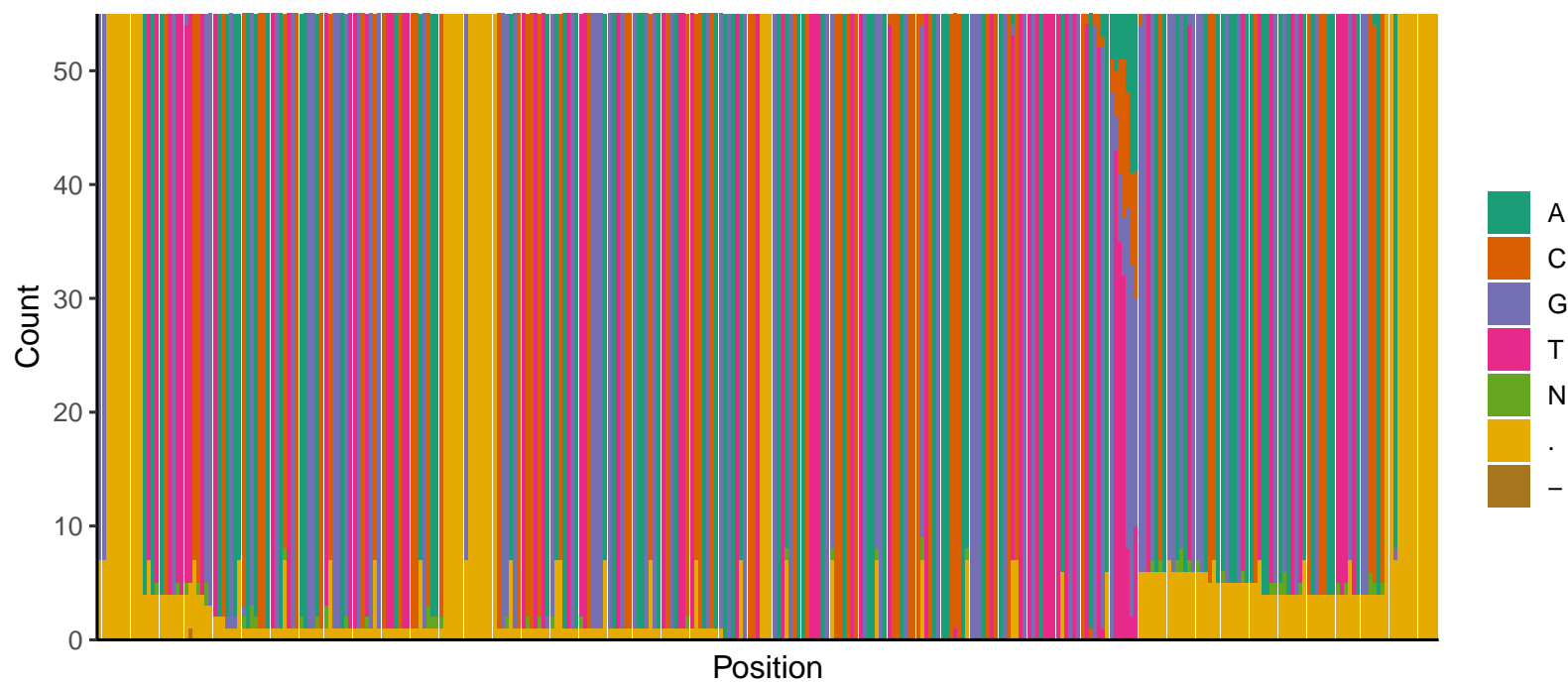
Gene TRBV5-5\*02\_322TTGG325



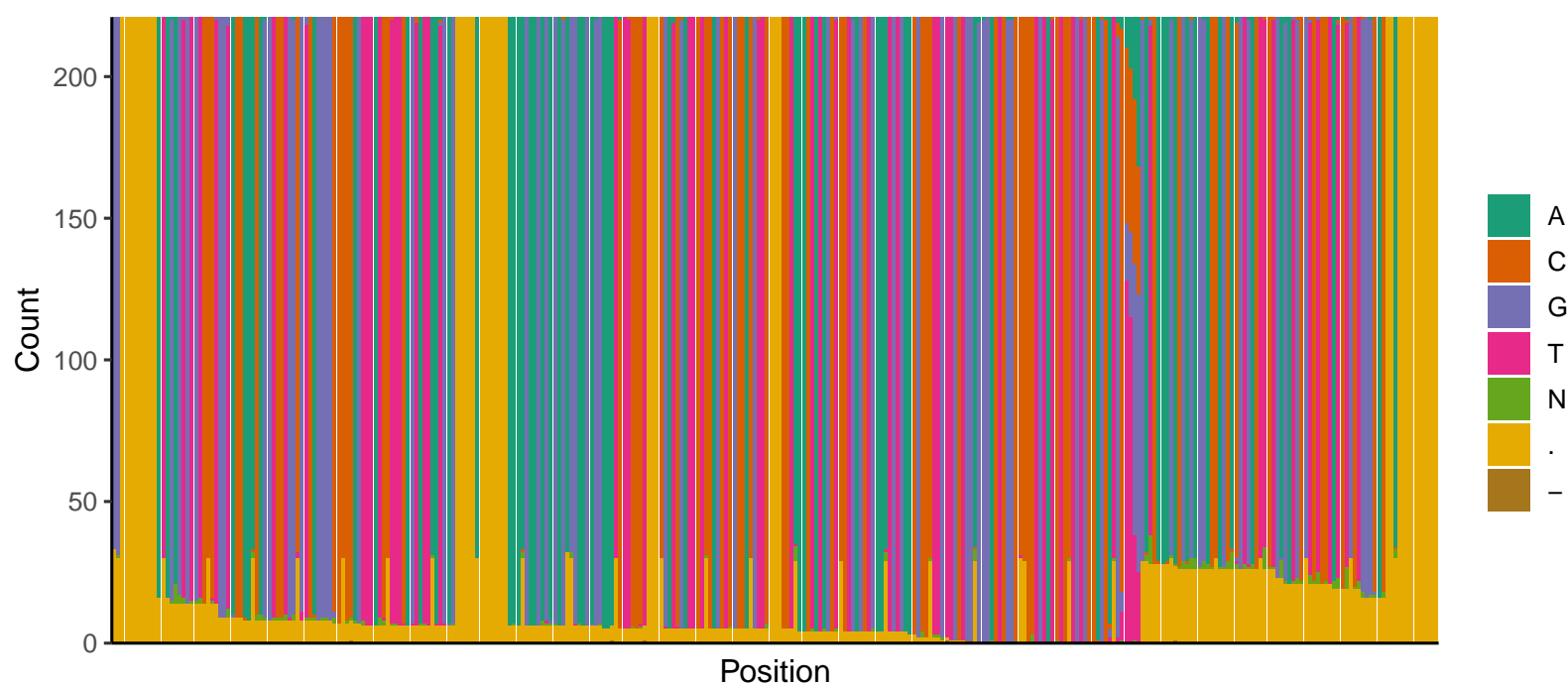
Gene TRBV5-8\*01\_C56T\_C276T



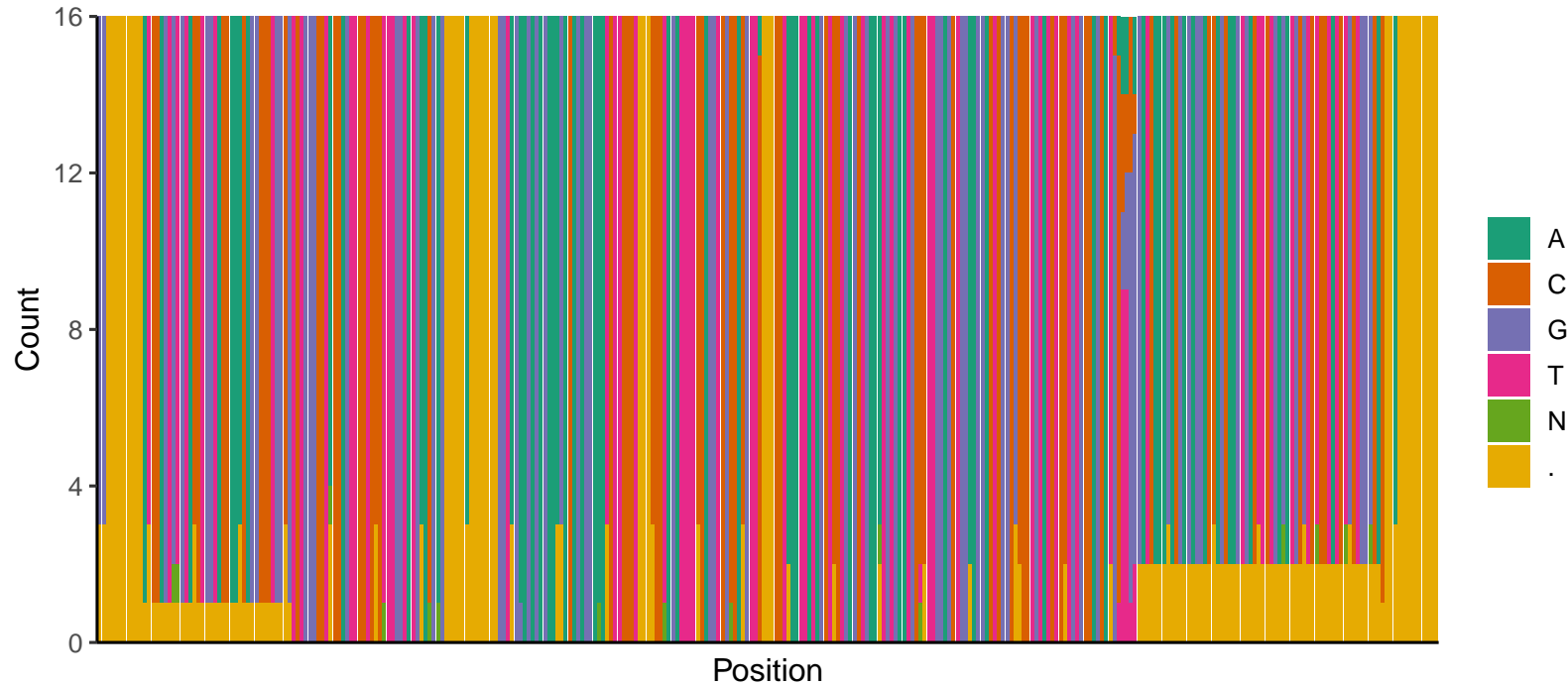
Gene TRBV12-5\*01\_C28G



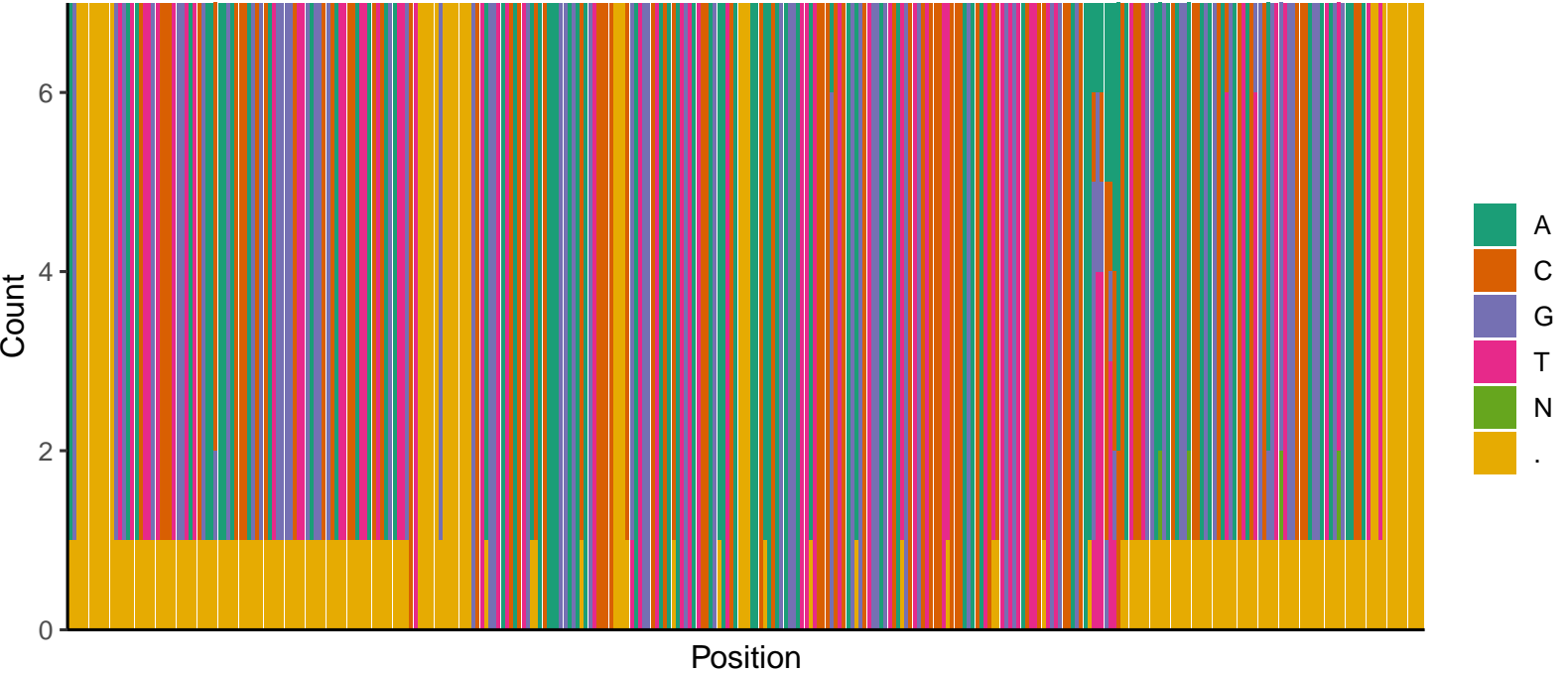
Gene TRBV5-5\*02\_322TTGG325



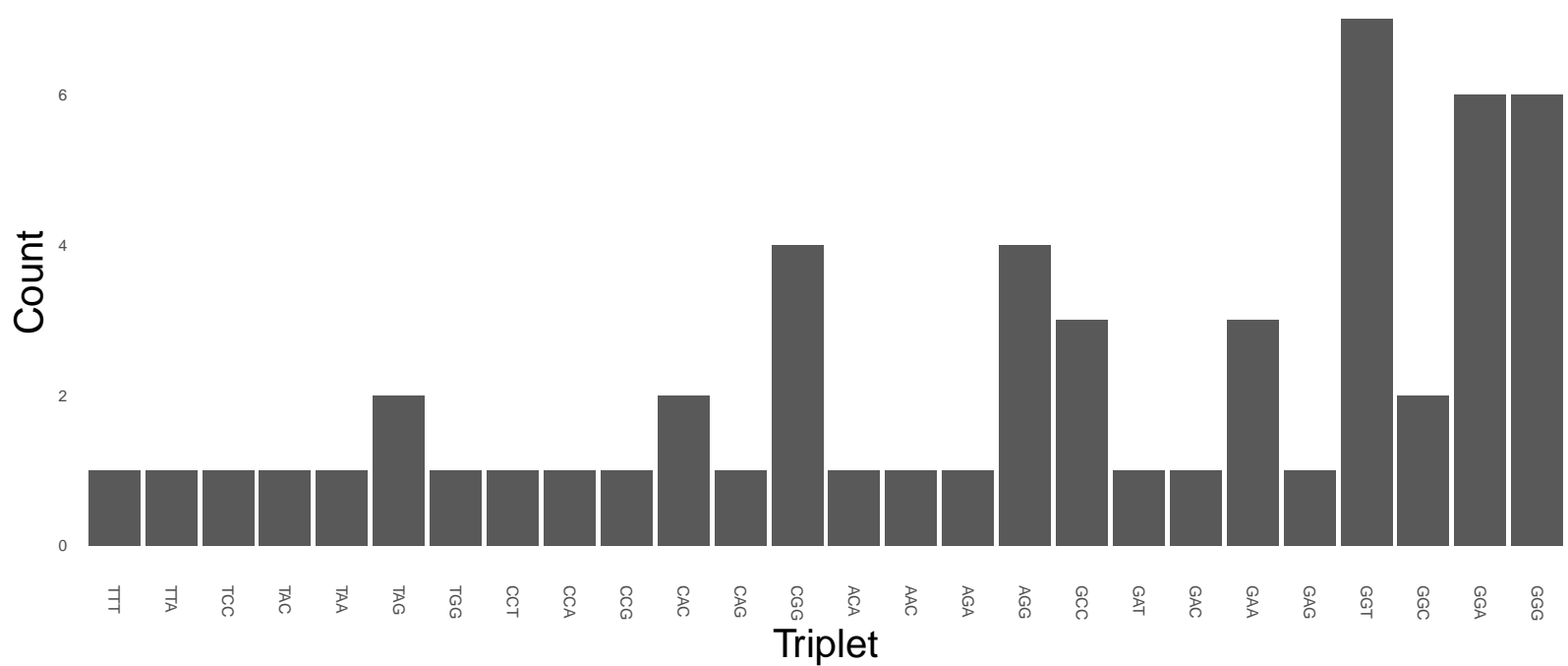
Gene TRBV5-8\*01\_C56T\_C276T



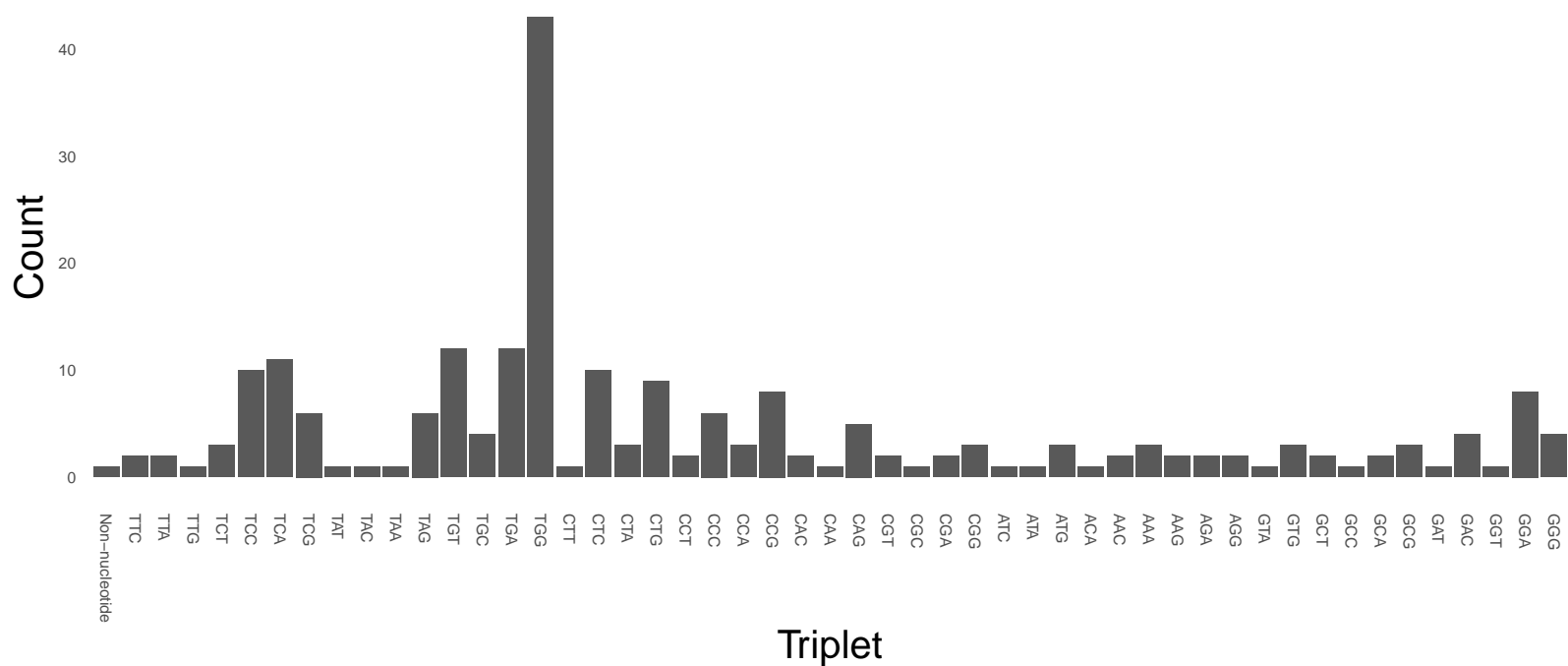
Gene TRBV6-9\*01\_A303G



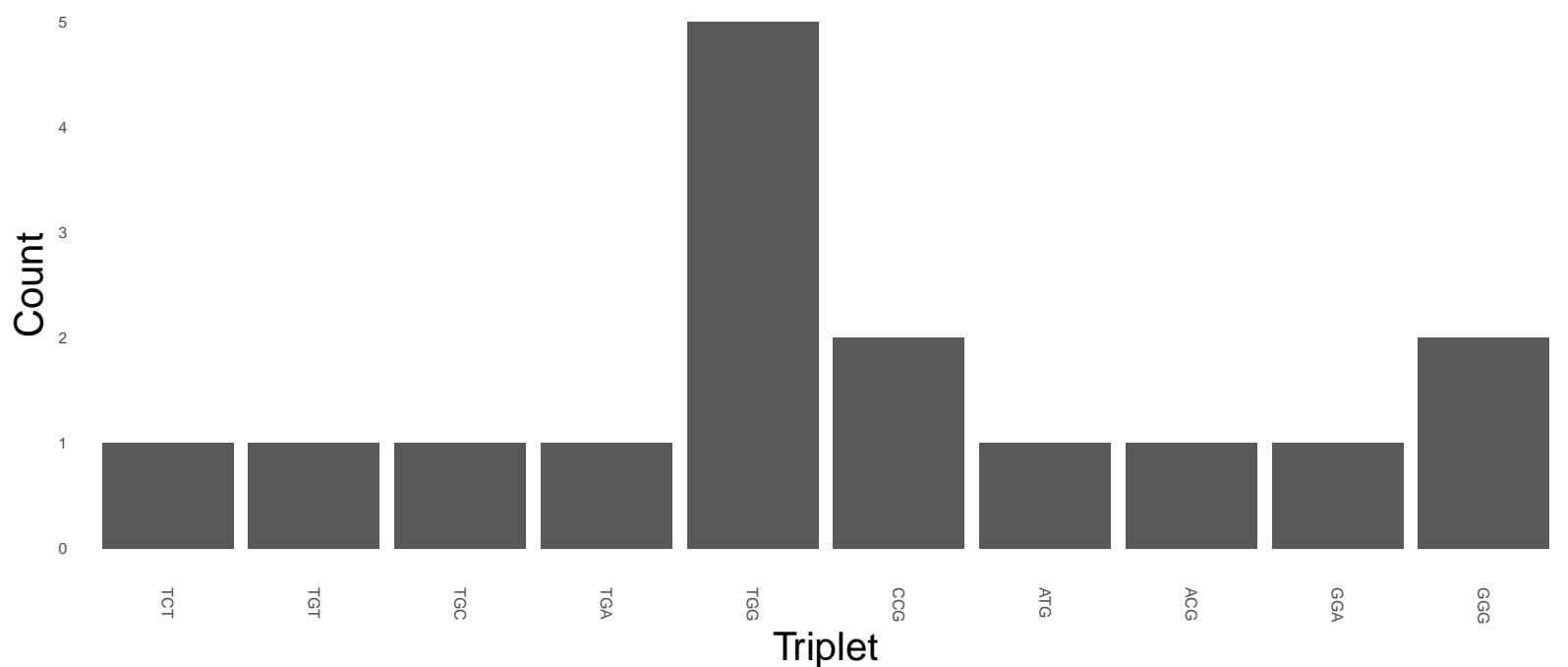
TRBV12-5\*01\_C28G- Final 3 nucleotides as a triplet



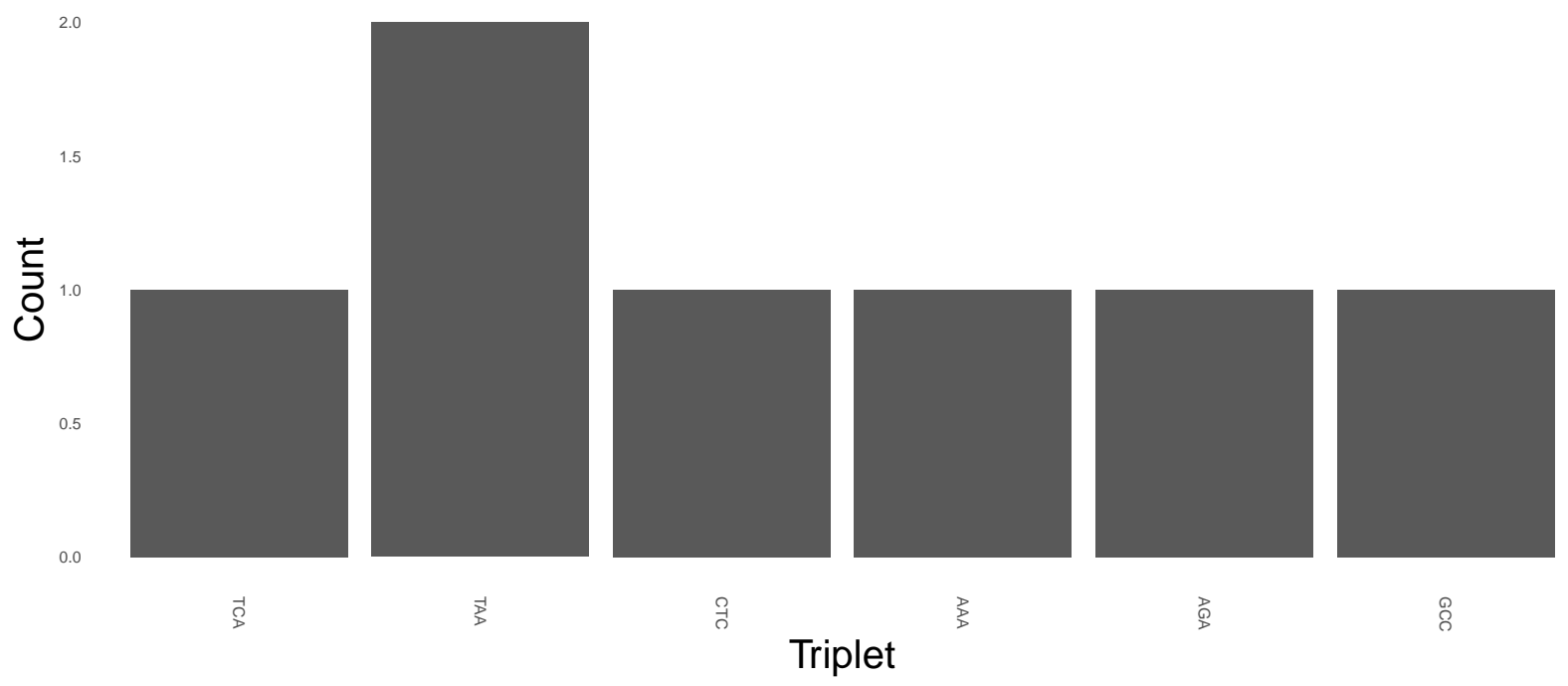
TRBV5-5\*02\_322TTGG325- Final 3 nucleotides as a triplet



TRBV5-8\*01\_C56T\_C276T- Final 3 nucleotides as a triplet

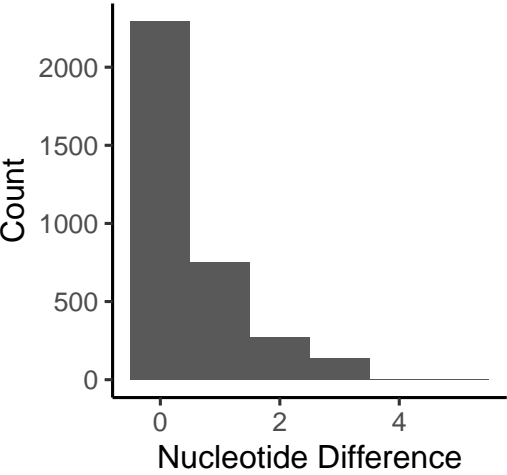


TRBV6-9\*01\_A303G- Final 3 nucleotides as a triplet



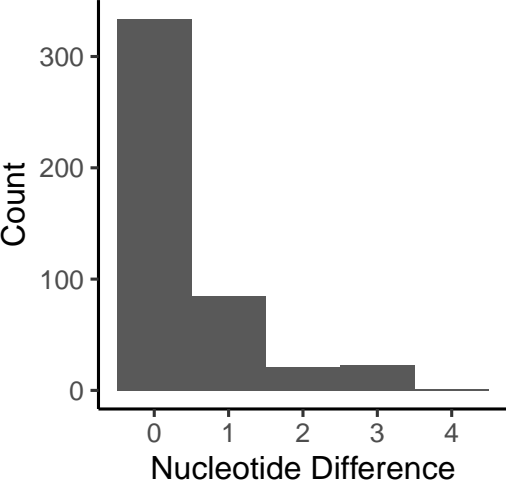
TRBV20-1\*01

3460 sequences assigned  
2293 (66.3%) exact matches, in which:  
2149 unique CDR3  
13 unique J



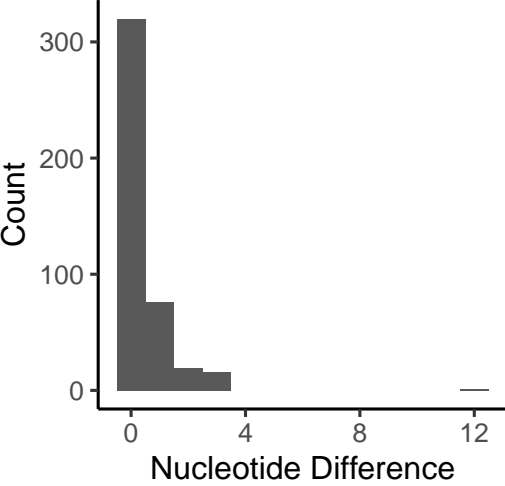
TRBV10-3\*01

464 sequences assigned  
334 (72%) exact matches, in which:  
327 unique CDR3  
13 unique J



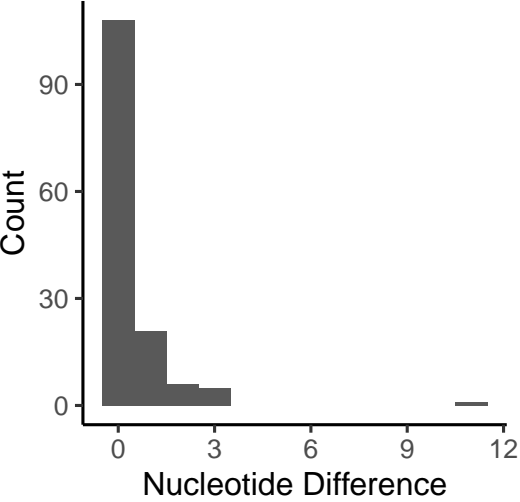
TRBV14\*01

432 sequences assigned  
320 (74.1%) exact matches, in which:  
299 unique CDR3  
13 unique J



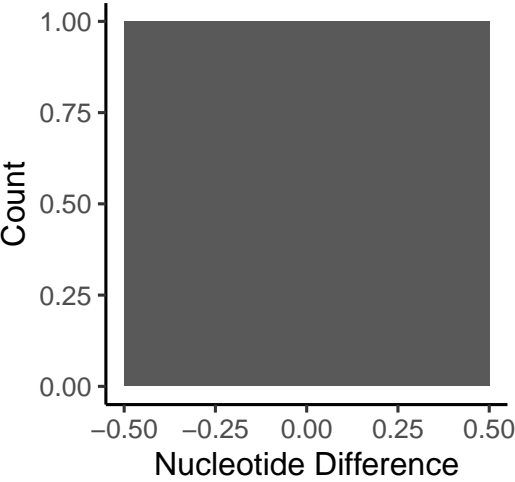
TRBV10-1\*01

141 sequences assigned  
108 (76.6%) exact matches, in which:  
101 unique CDR3  
13 unique J



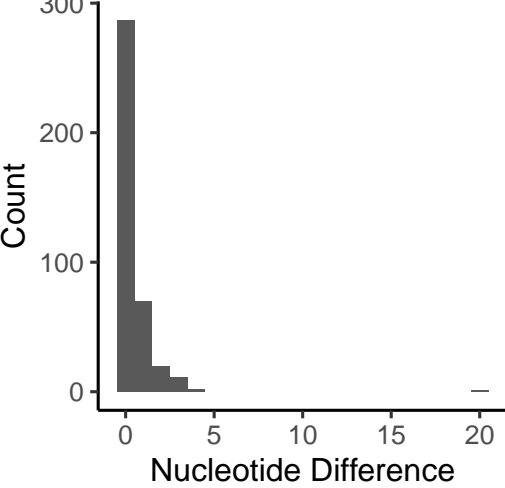
TRBV1\*01

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



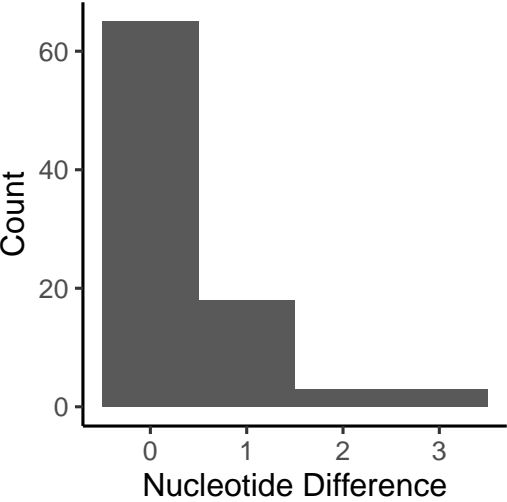
TRBV15\*02

392 sequences assigned  
287 (73.2%) exact matches, in which:  
282 unique CDR3  
13 unique J



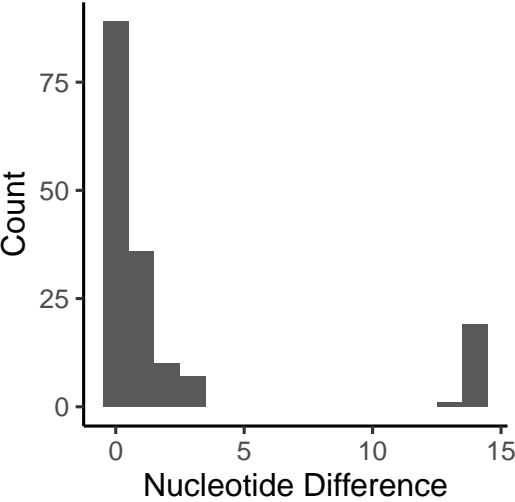
TRBV10-2\*01

91 sequences assigned  
65 (71.4%) exact matches, in which:  
62 unique CDR3  
12 unique J



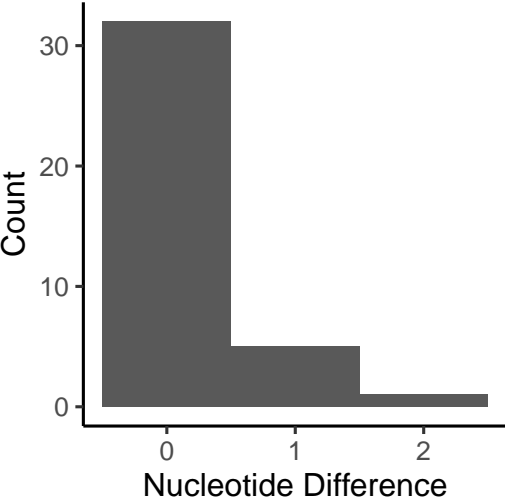
TRBV13\*01

162 sequences assigned  
89 (54.9%) exact matches, in which:  
83 unique CDR3  
12 unique J



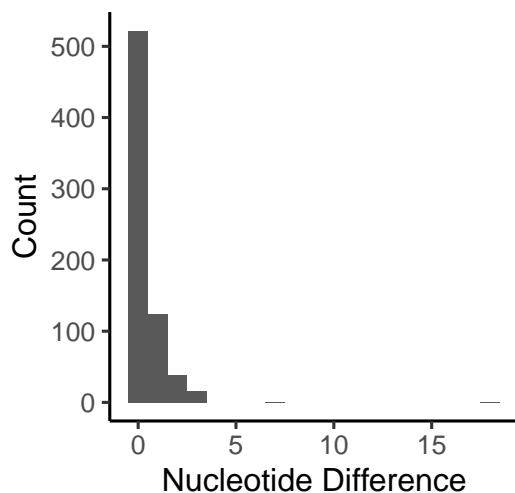
TRBV16\*01

38 sequences assigned  
32 (84.2%) exact matches, in which:  
31 unique CDR3  
9 unique J



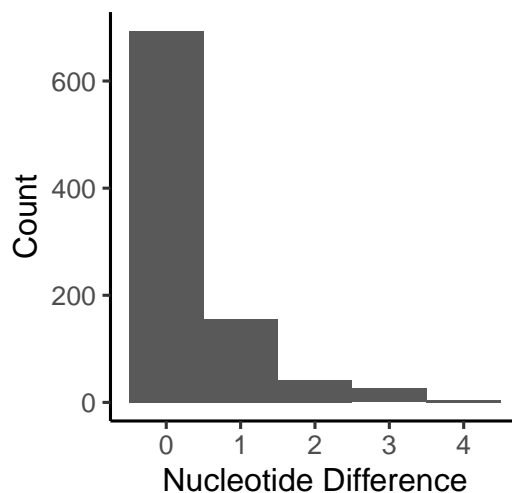
### TRBV18\*01

704 sequences assigned  
522 (74.1%) exact matches, in which:  
495 unique CDR3  
13 unique J



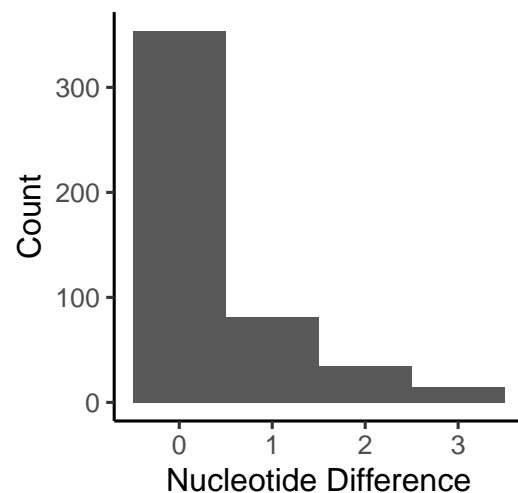
### TRBV27\*01

921 sequences assigned  
694 (75.4%) exact matches, in which:  
664 unique CDR3  
13 unique J



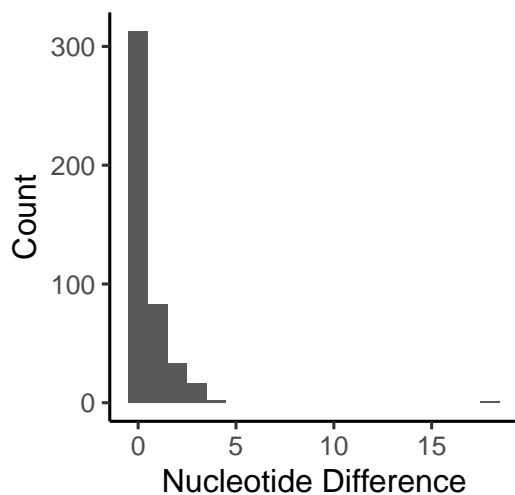
### TRBV9\*01

485 sequences assigned  
354 (73%) exact matches, in which:  
345 unique CDR3  
13 unique J



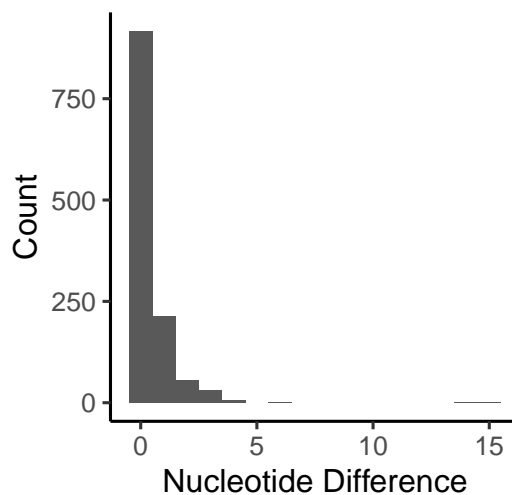
### TRBV19\*01

448 sequences assigned  
313 (69.9%) exact matches, in which:  
302 unique CDR3  
13 unique J



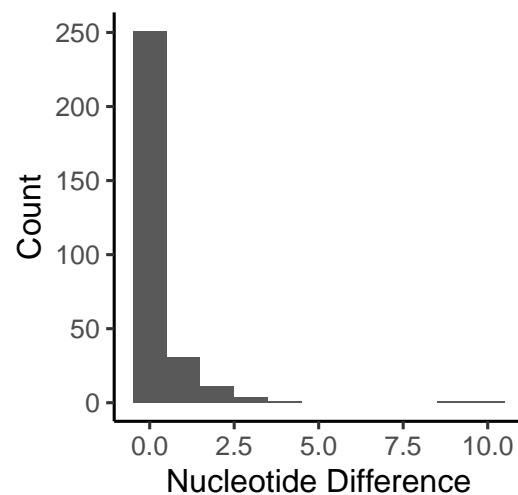
### TRBV28\*01

1227 sequences assigned  
917 (74.7%) exact matches, in which:  
878 unique CDR3  
13 unique J



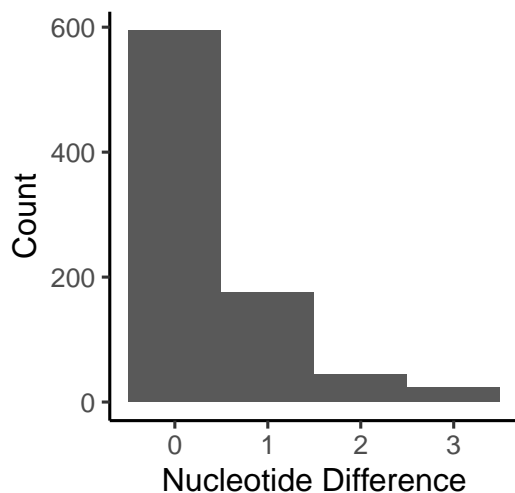
### TRBV21-1\*01

300 sequences assigned  
251 (83.7%) exact matches, in which:  
234 unique CDR3  
13 unique J



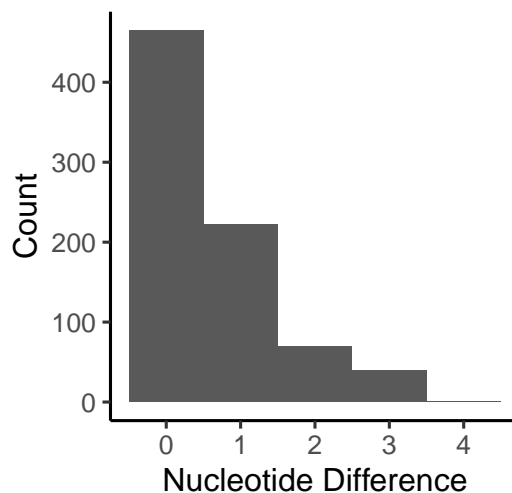
### TRBV2\*01

840 sequences assigned  
595 (70.8%) exact matches, in which:  
549 unique CDR3  
13 unique J



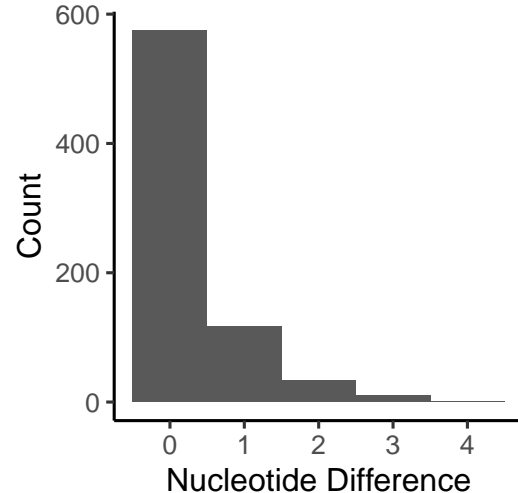
### TRBV30\*01

796 sequences assigned  
465 (58.4%) exact matches, in which:  
295 unique CDR3  
13 unique J



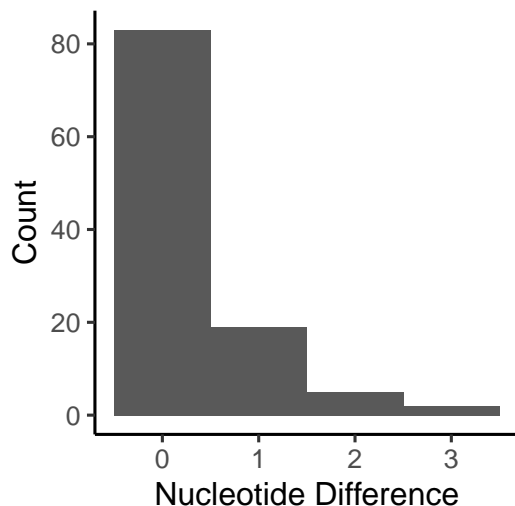
### TRBV11-2\*01

737 sequences assigned  
575 (78%) exact matches, in which:  
538 unique CDR3  
13 unique J



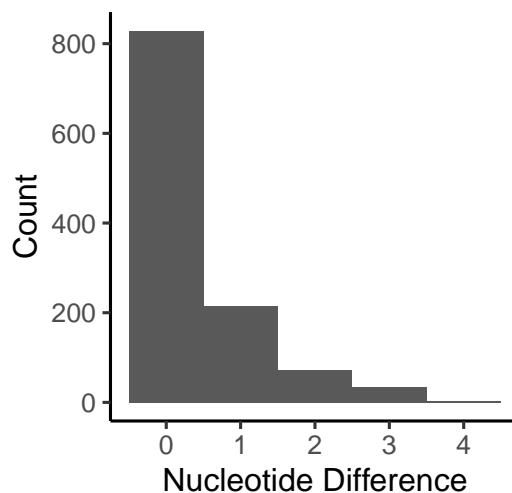
### TRBV11-3\*01

109 sequences assigned  
83 (76.1%) exact matches, in which:  
79 unique CDR3  
13 unique J



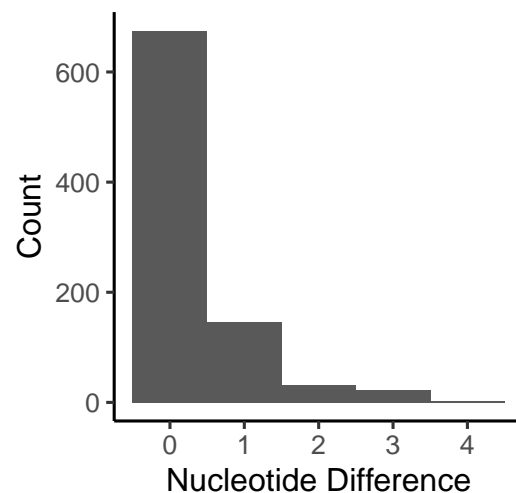
### TRBV12-3\*01

1154 sequences assigned  
829 (71.8%) exact matches, in which:  
791 unique CDR3  
13 unique J



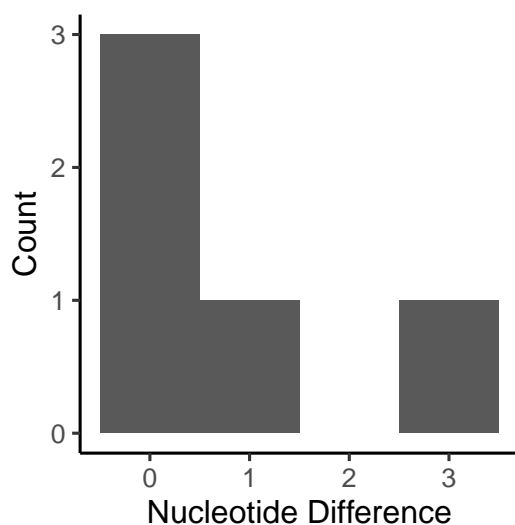
### TRBV3-1\*01

878 sequences assigned  
675 (76.9%) exact matches, in which:  
649 unique CDR3  
13 unique J



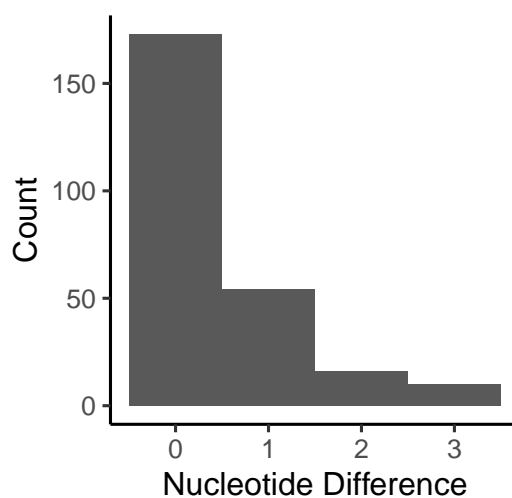
### TRBV12-1\*01

5 sequences assigned  
3 (60%) exact matches, in which:  
3 unique CDR3  
3 unique J



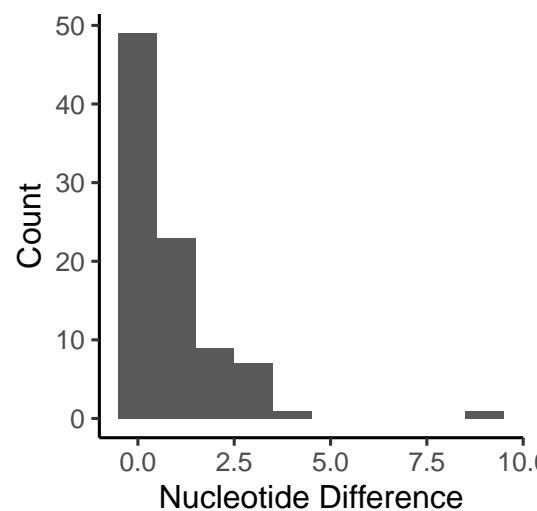
### TRBV12-4\*01

253 sequences assigned  
173 (68.4%) exact matches, in which:  
170 unique CDR3  
12 unique J



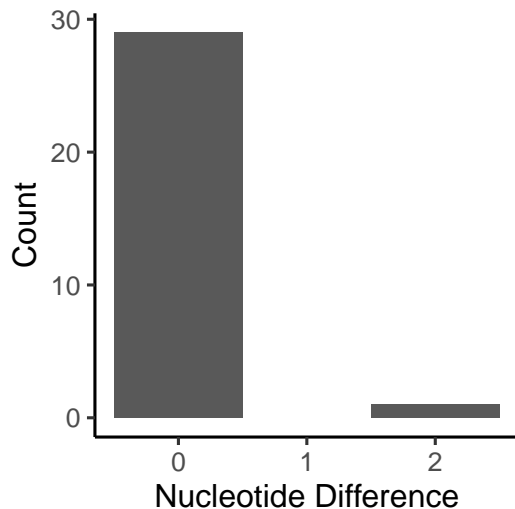
### TRBV23-1\*01

90 sequences assigned  
49 (54.4%) exact matches, in which:  
48 unique CDR3  
9 unique J



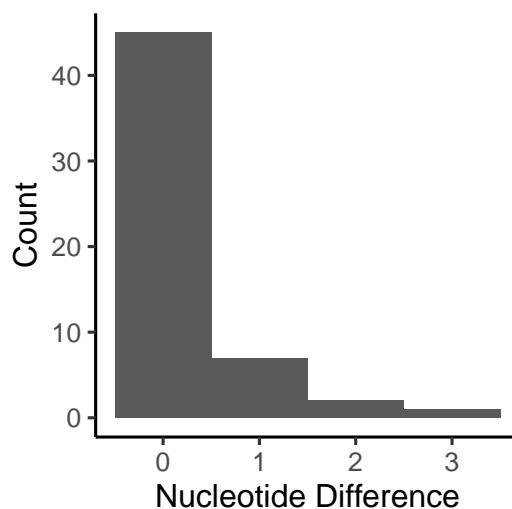
### TRBV12-2\*01

30 sequences assigned  
29 (96.7%) exact matches, in which:  
25 unique CDR3  
8 unique J



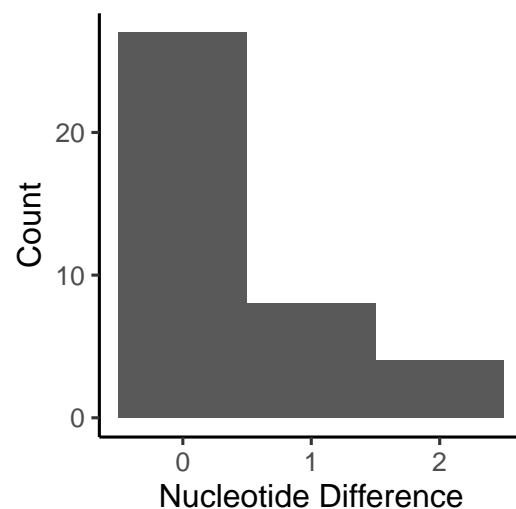
### TRBV12-5\*01\_C28G

55 sequences assigned  
45 (81.8%) exact matches, in which:  
45 unique CDR3  
9 unique J



### TRBV3-2\*01

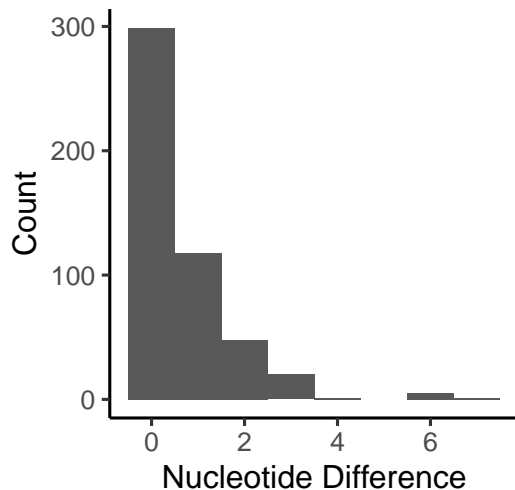
39 sequences assigned  
27 (69.2%) exact matches, in which:  
24 unique CDR3  
11 unique J





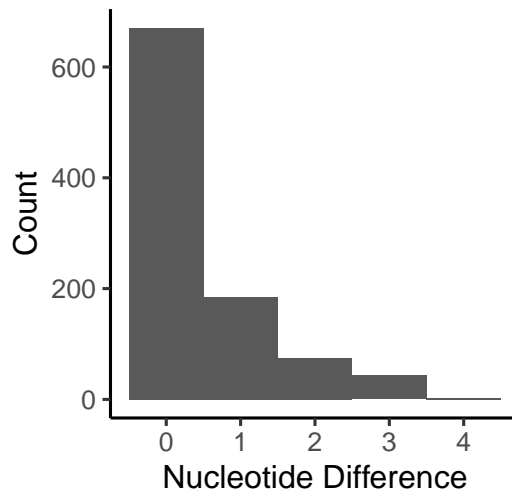
### TRBV24–1\*01

492 sequences assigned  
299 (60.8%) exact matches, in which:  
263 unique CDR3  
12 unique J



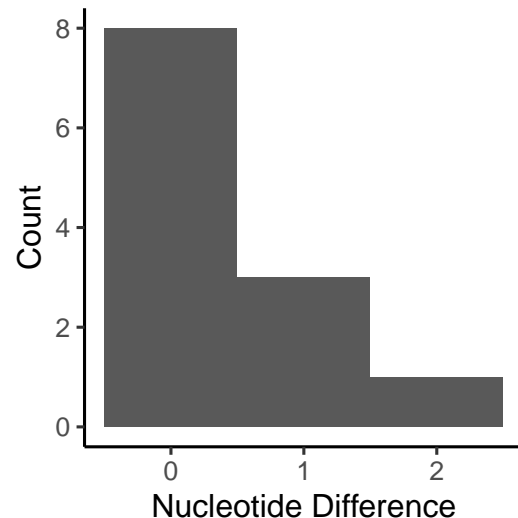
### TRBV4–3\*01

978 sequences assigned  
671 (68.6%) exact matches, in which:  
599 unique CDR3  
13 unique J



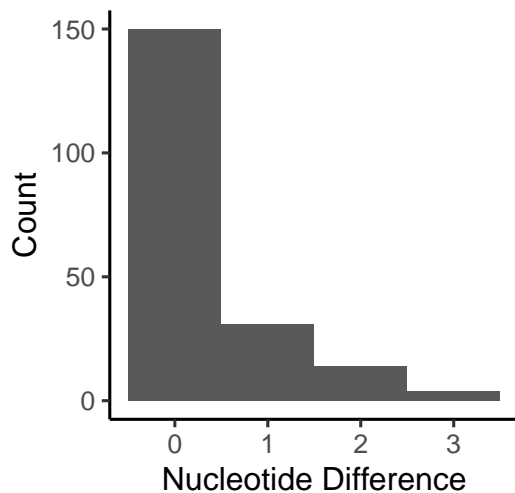
### TRBV5–3\*01

12 sequences assigned  
8 (66.7%) exact matches, in which:  
8 unique CDR3  
5 unique J



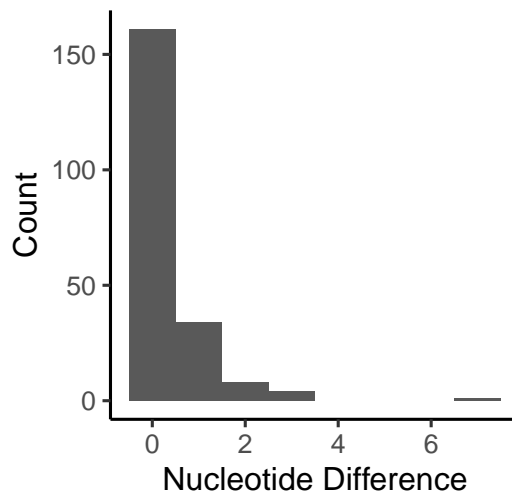
### TRBV4–1\*01

199 sequences assigned  
150 (75.4%) exact matches, in which:  
143 unique CDR3  
13 unique J



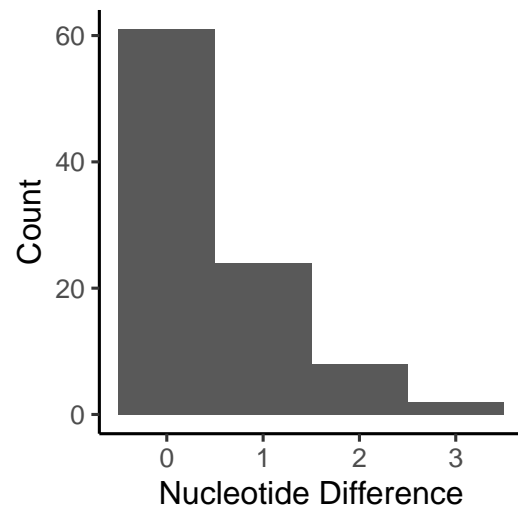
### TRBV25–1\*01

208 sequences assigned  
161 (77.4%) exact matches, in which:  
149 unique CDR3  
13 unique J



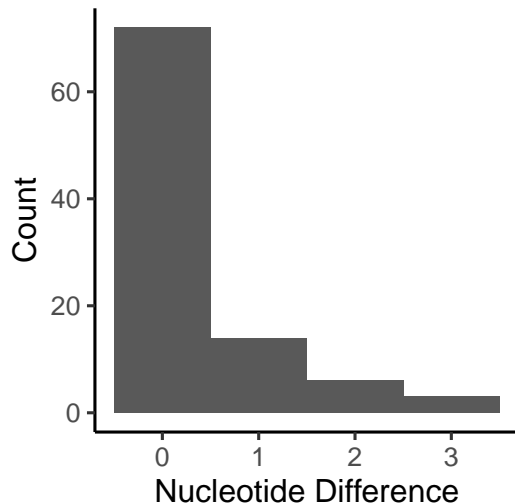
### TRBV5–4\*01

95 sequences assigned  
61 (64.2%) exact matches, in which:  
60 unique CDR3  
12 unique J



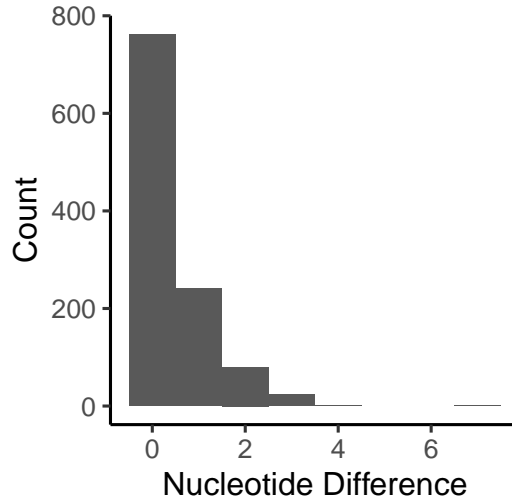
### TRBV4–2\*01

95 sequences assigned  
72 (75.8%) exact matches, in which:  
70 unique CDR3  
11 unique J



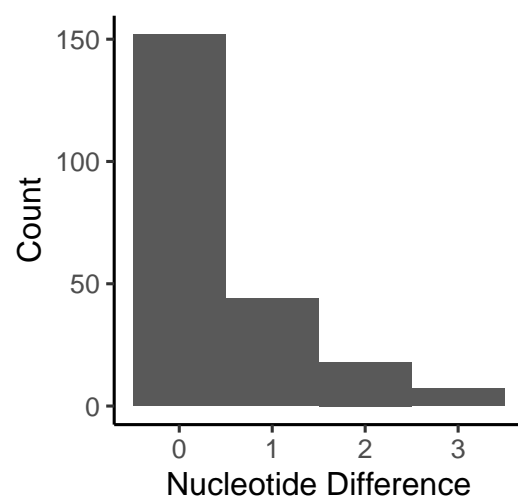
### TRBV5–1\*01

1107 sequences assigned  
762 (68.8%) exact matches, in which:  
733 unique CDR3  
13 unique J



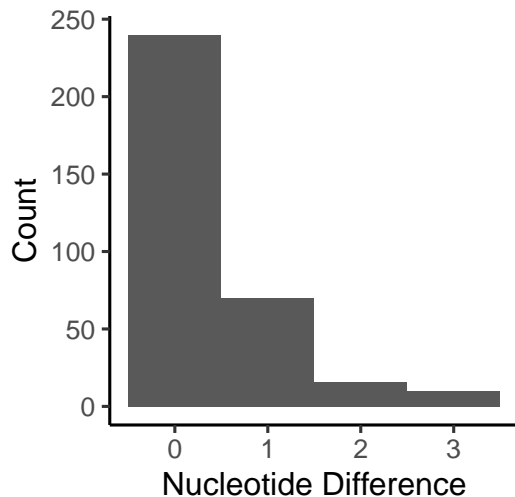
### TRBV5–5\*02\_322TTGG3

221 sequences assigned  
152 (68.8%) exact matches, in which:  
142 unique CDR3  
13 unique J



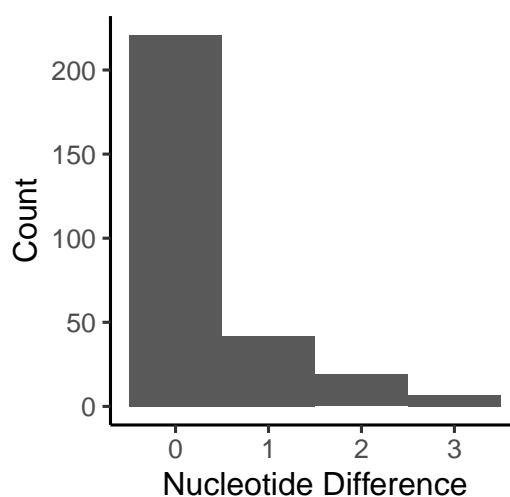
### TRBV5-6\*01

336 sequences assigned  
240 (71.4%) exact matches, in which:  
225 unique CDR3  
12 unique J



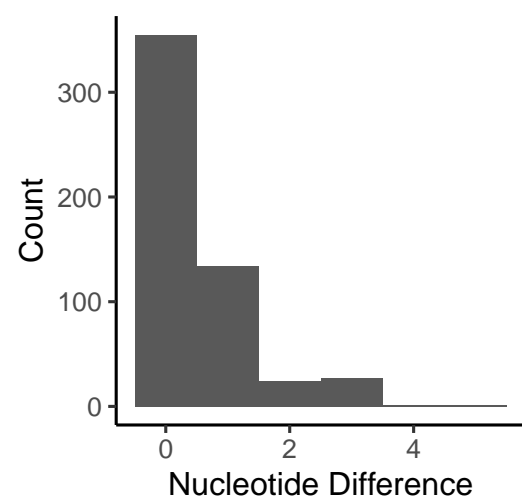
### TRBV6-1\*01

290 sequences assigned  
221 (76.2%) exact matches, in which:  
213 unique CDR3  
13 unique J



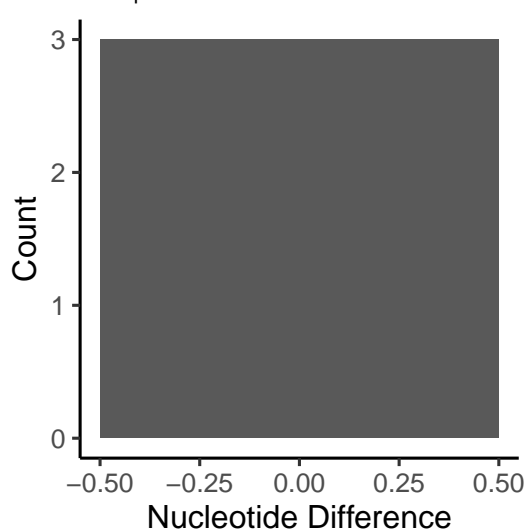
### TRBV6-6\*01

542 sequences assigned  
355 (65.5%) exact matches, in which:  
321 unique CDR3  
13 unique J



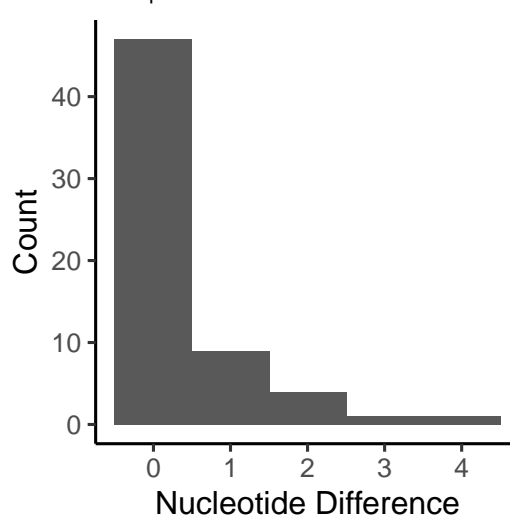
### TRBV5-7\*01

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



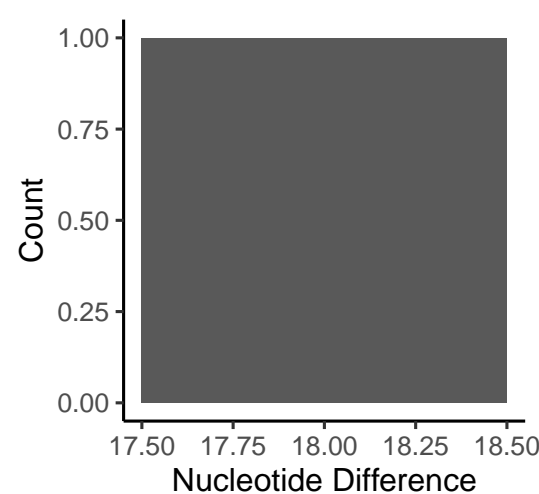
### TRBV6-4\*01

62 sequences assigned  
47 (75.8%) exact matches, in which:  
45 unique CDR3  
9 unique J



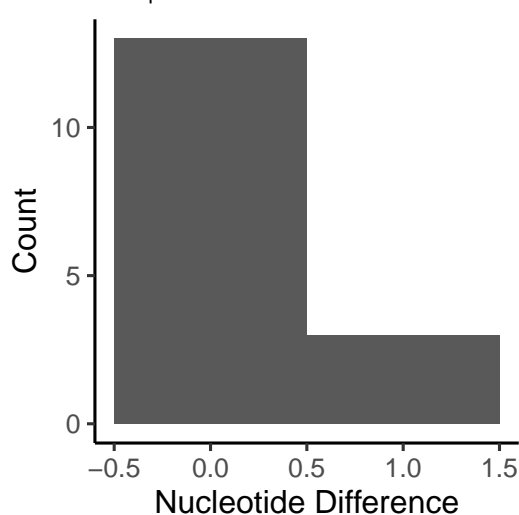
### TRBV6-7\*01

1 sequences assigned  
No exact matches.



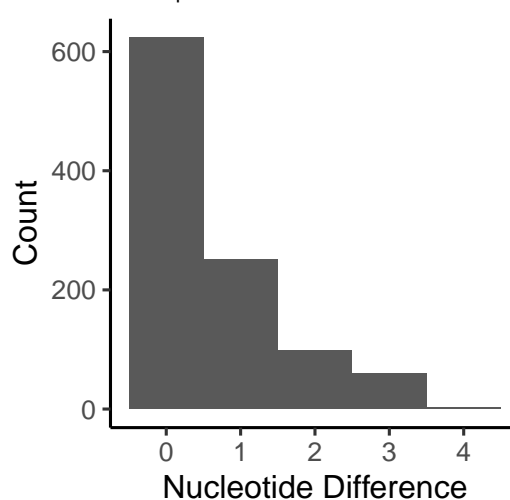
### TRBV5-8\*01\_C56T\_C276

16 sequences assigned  
13 (81.2%) exact matches, in which:  
13 unique CDR3  
8 unique J



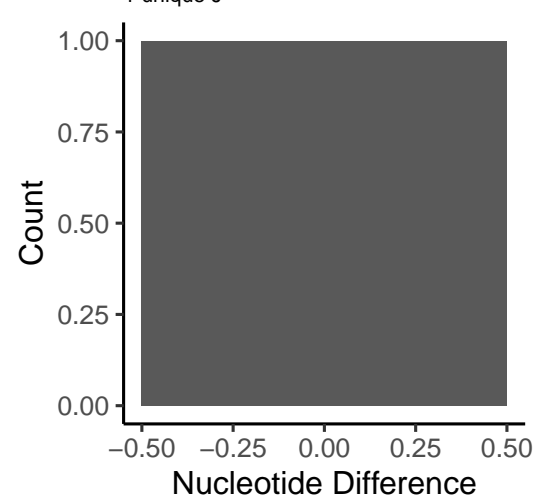
### TRBV6-5\*01

1035 sequences assigned  
624 (60.3%) exact matches, in which:  
510 unique CDR3  
13 unique J



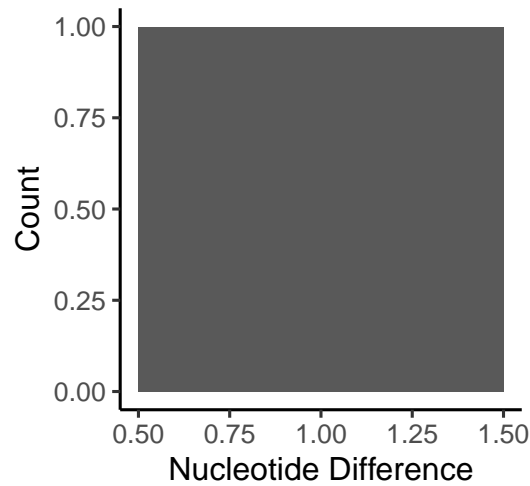
### TRBV6-8\*01

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



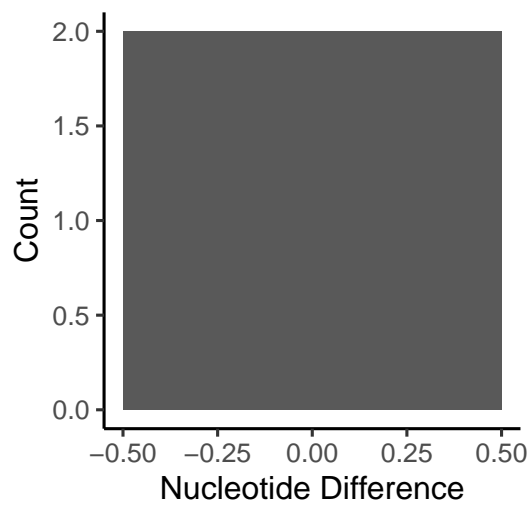
### TRBV6-9\*01

1 sequences assigned  
No exact matches.



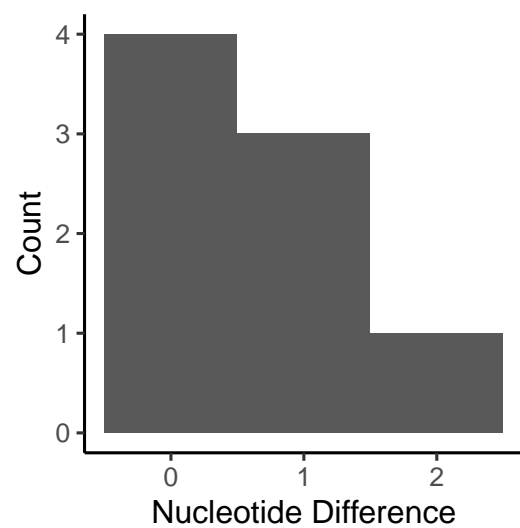
### TRBV7-1\*01

2 sequences assigned  
2 (100%) exact matches, in which:  
2 unique CDR3  
2 unique J



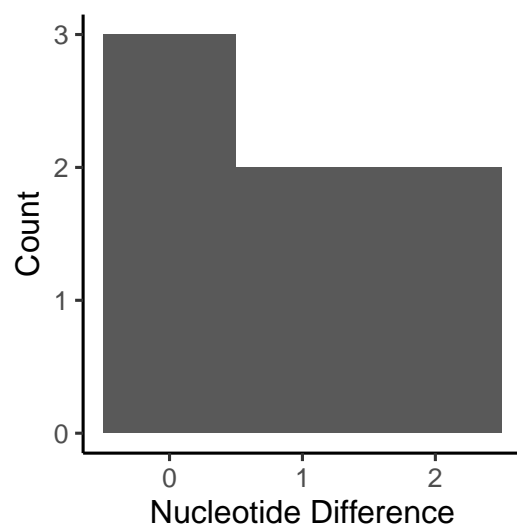
### TRBV7-4\*01

8 sequences assigned  
4 (50%) exact matches, in which:  
4 unique CDR3  
4 unique J



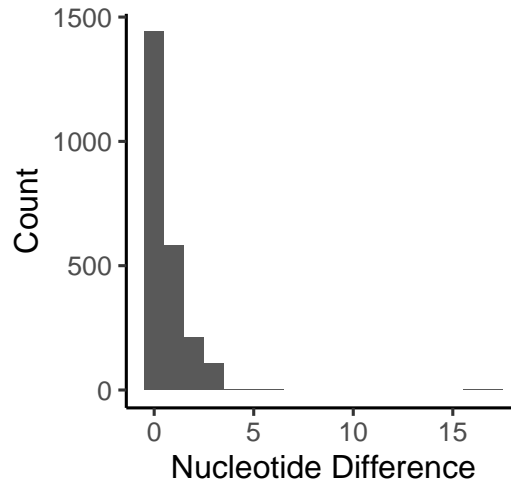
### TRBV6-9\*01\_A303G

7 sequences assigned  
3 (42.9%) exact matches, in which:  
3 unique CDR3  
2 unique J



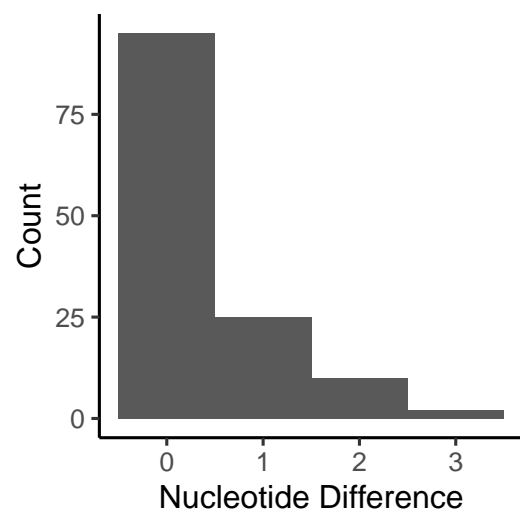
### TRBV7-2\*01

2353 sequences assigned  
1441 (61.2%) exact matches, in which:  
1209 unique CDR3  
13 unique J



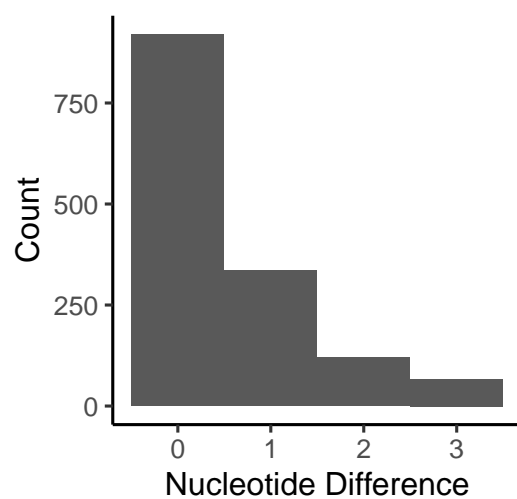
### TRBV7-6\*01

132 sequences assigned  
95 (72%) exact matches, in which:  
88 unique CDR3  
12 unique J



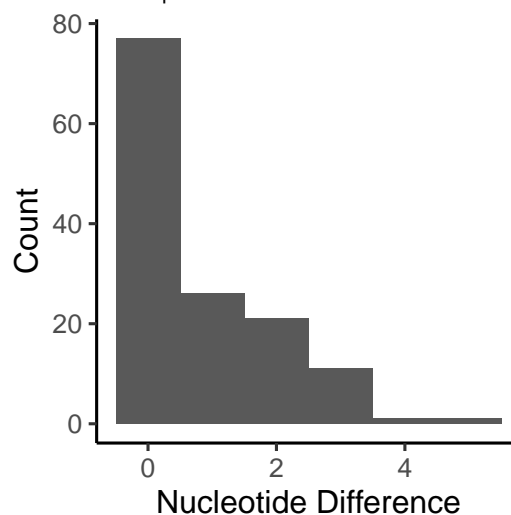
### TRBV6-23\*01

1445 sequences assigned  
920 (63.7%) exact matches, in which:  
753 unique CDR3  
13 unique J



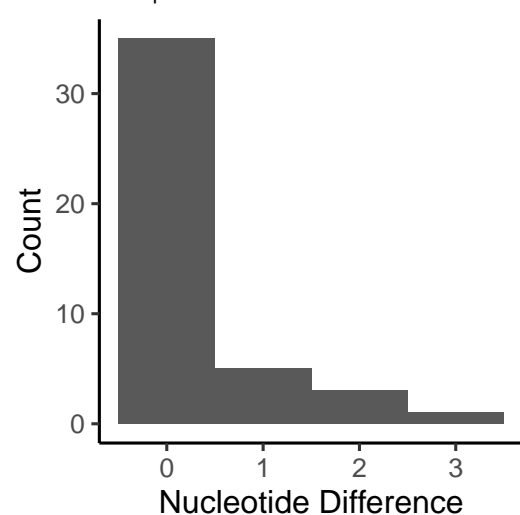
### TRBV7-3\*02

139 sequences assigned  
77 (55.4%) exact matches, in which:  
73 unique CDR3  
12 unique J



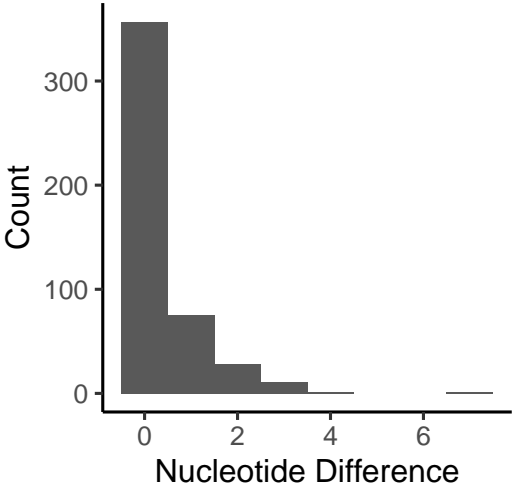
### TRBV7-7\*01

44 sequences assigned  
35 (79.5%) exact matches, in which:  
35 unique CDR3  
7 unique J



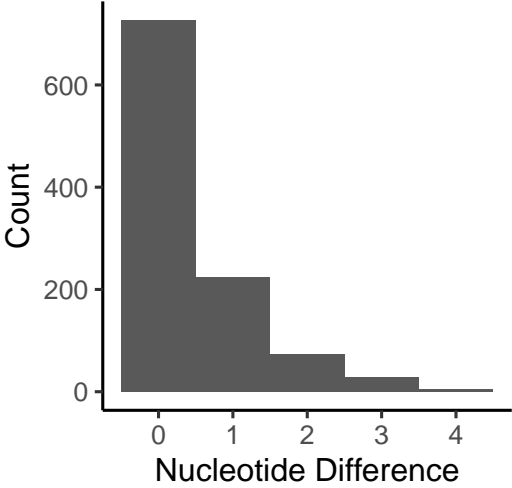
# TRBV7-8\*01

474 sequences assigned  
357 (75.3%) exact matches, in which:  
339 unique CDR3  
13 unique J



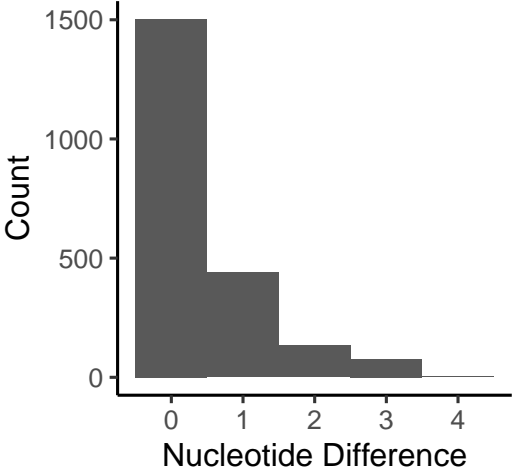
# TRBV7-9\*01

1057 sequences assigned  
727 (68.8%) exact matches, in which:  
690 unique CDR3  
13 unique J

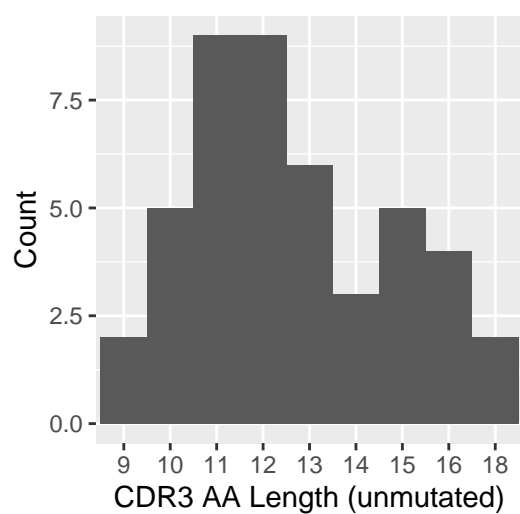


# TRBV29-1\*01

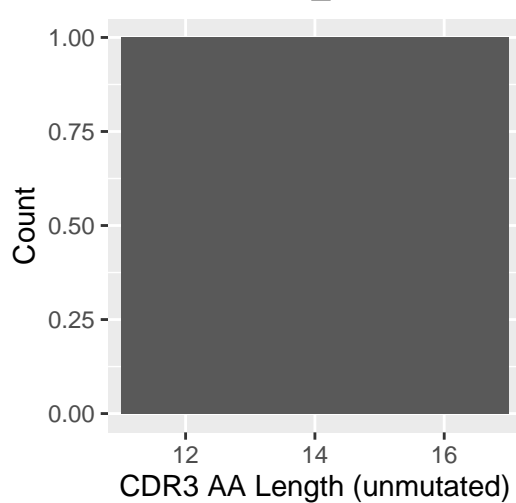
2154 sequences assigned  
1503 (69.8%) exact matches, in which:  
1366 unique CDR3  
13 unique J



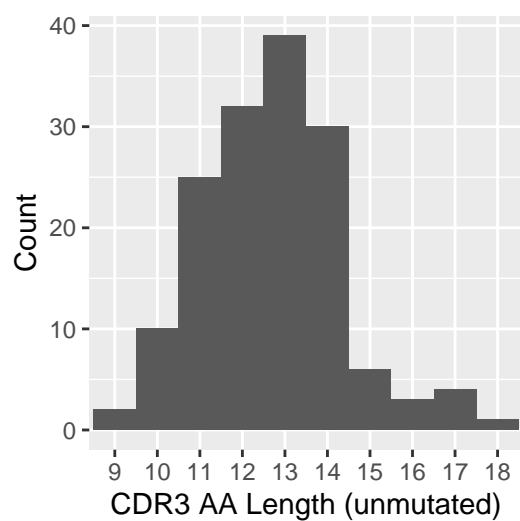
TRBV12-5\*01\_C28G



TRBV6-9\*01\_A303G



TRBV5-5\*02\_322TTGG325



TRBV5-8\*01\_C56T\_C276T

