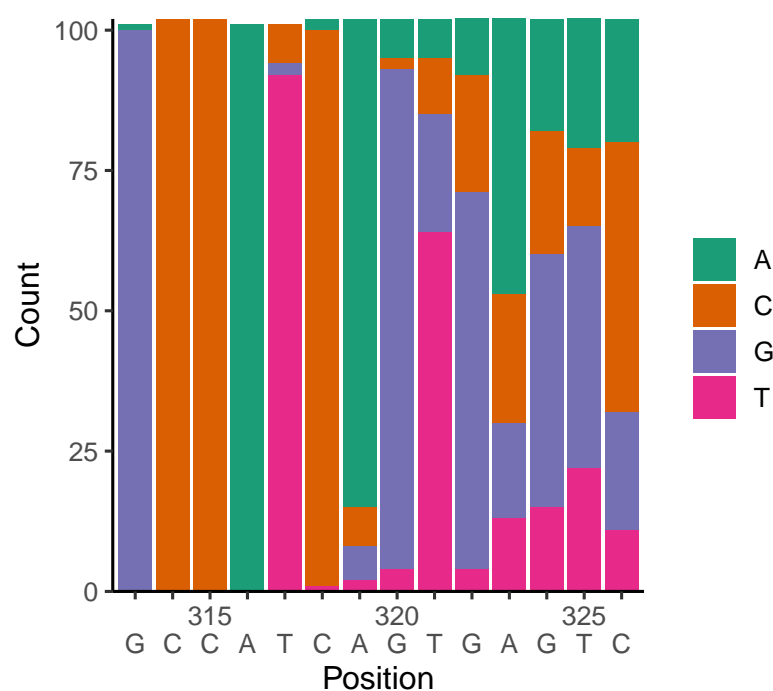
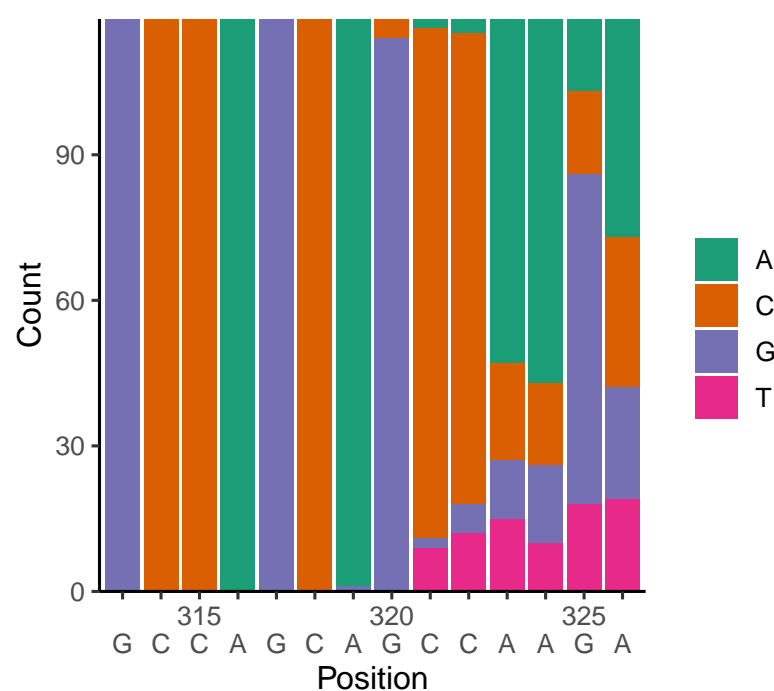


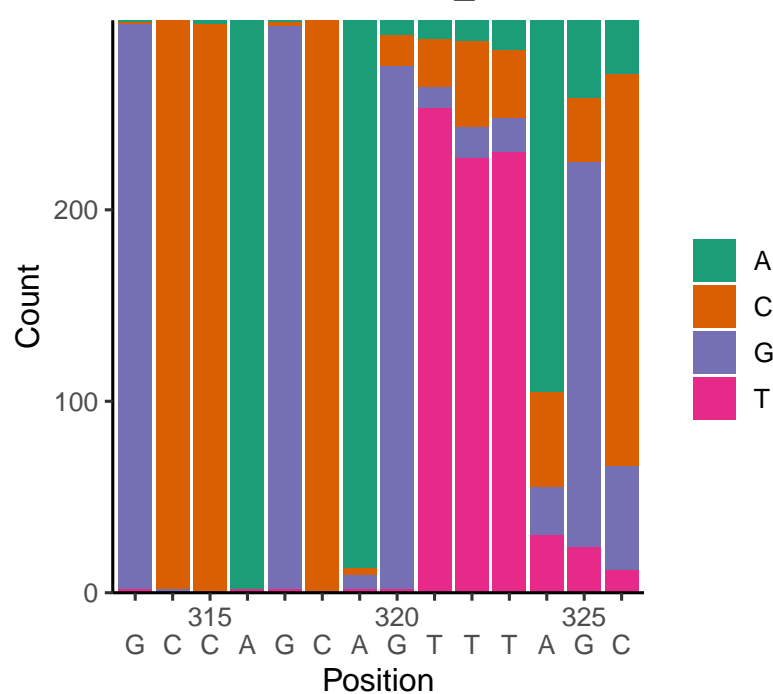
Gene TRBV10-3\*03\_313GCCATCAGTG/



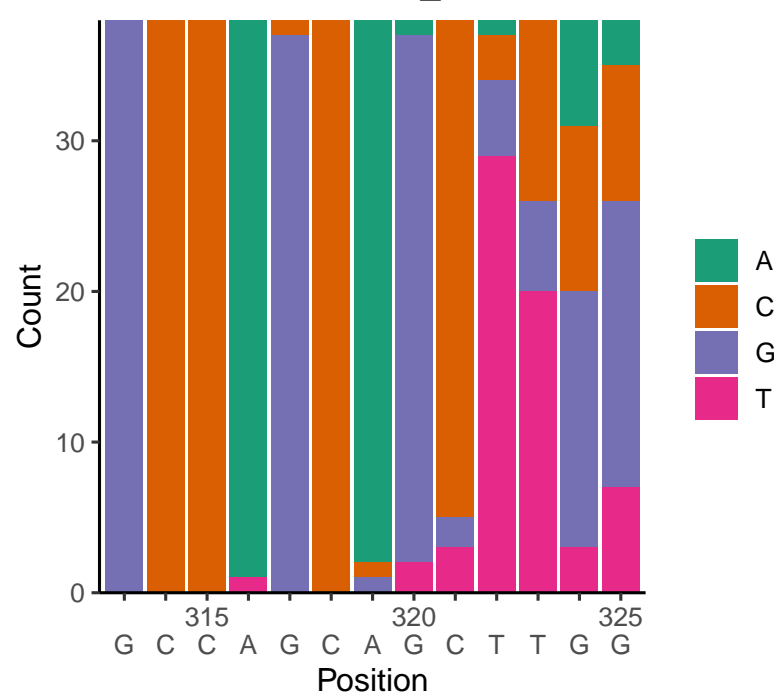
Gene TRBV14\*02\_322CAAGA326



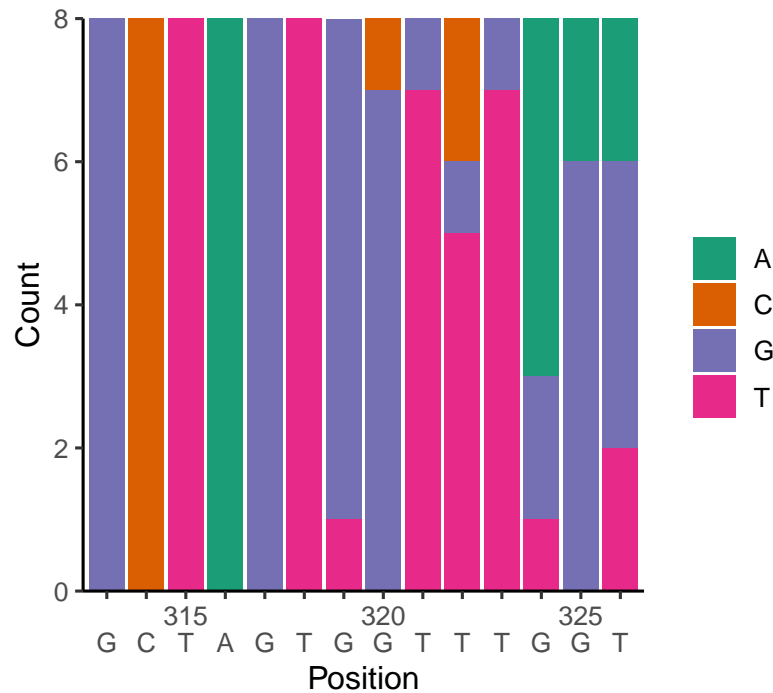
Gene TRBV12-4\*01\_C87T



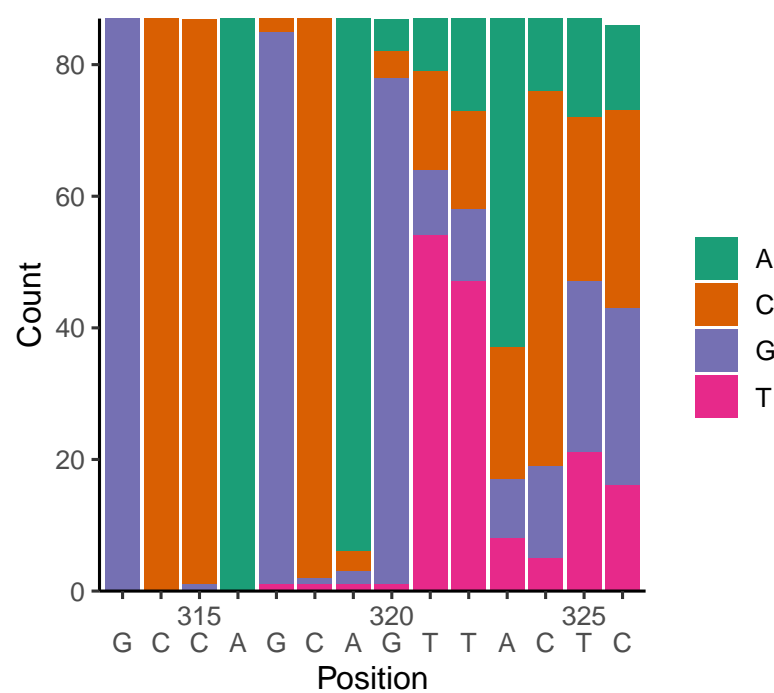
Gene TRBV5-5\*02\_322TTGG325



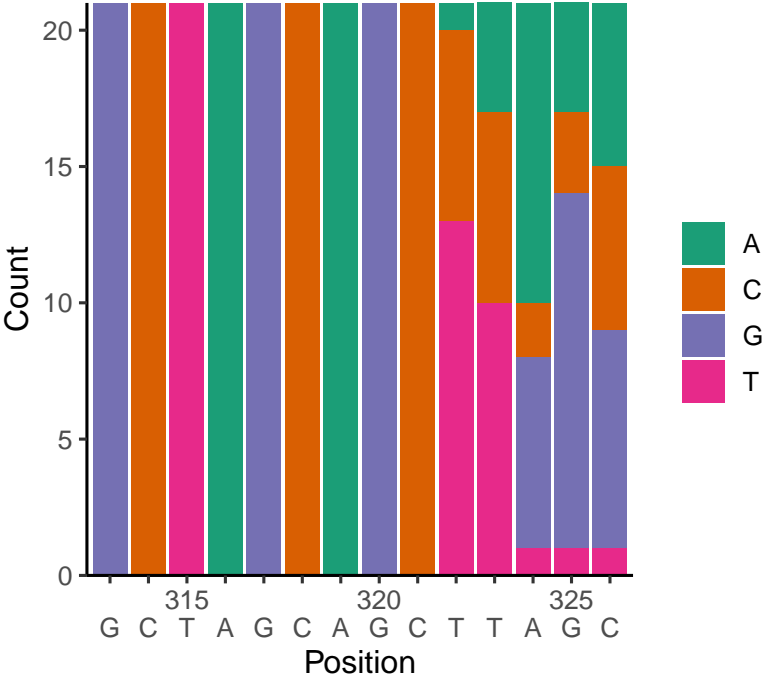
Gene TRBV12-5\*01\_C28G



Gene TRBV6-6\*01\_G264A



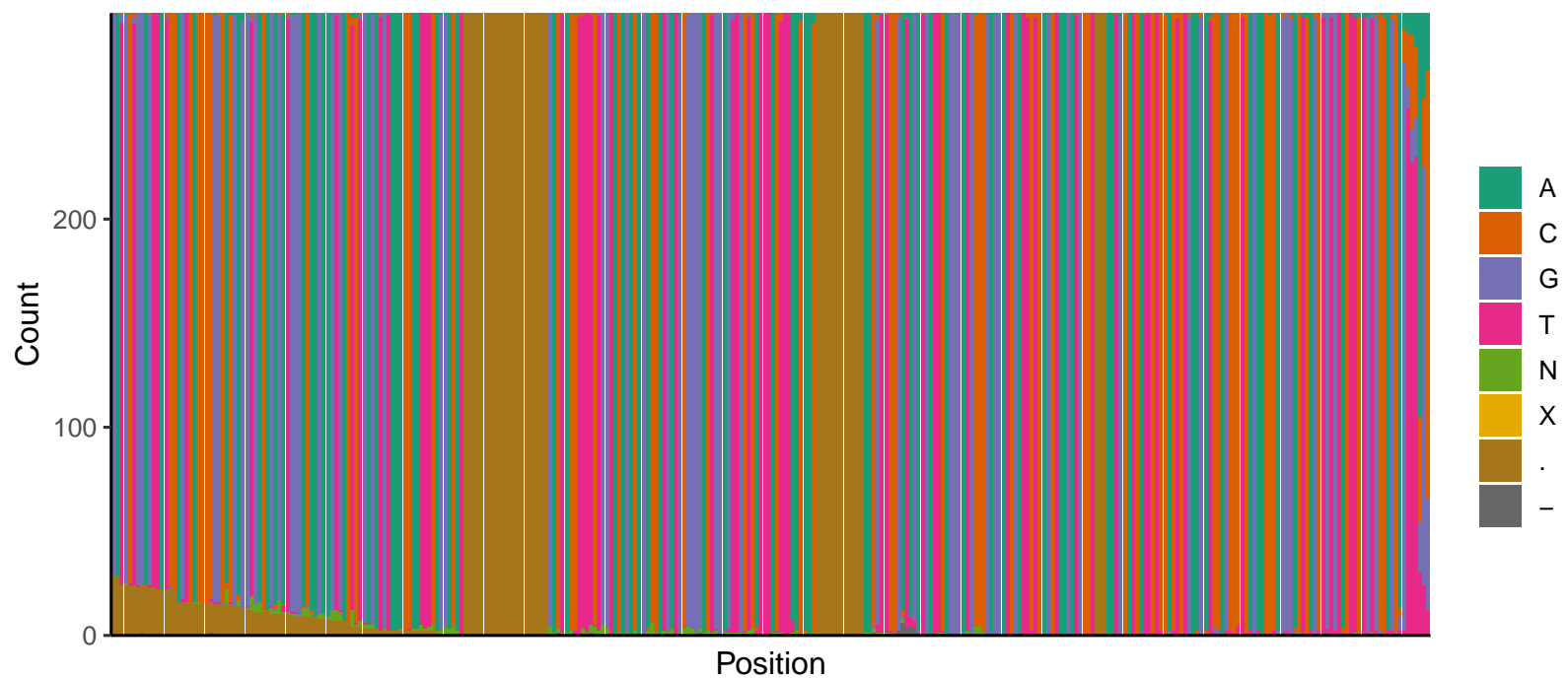
Gene TRBV7-7\*01\_C315T



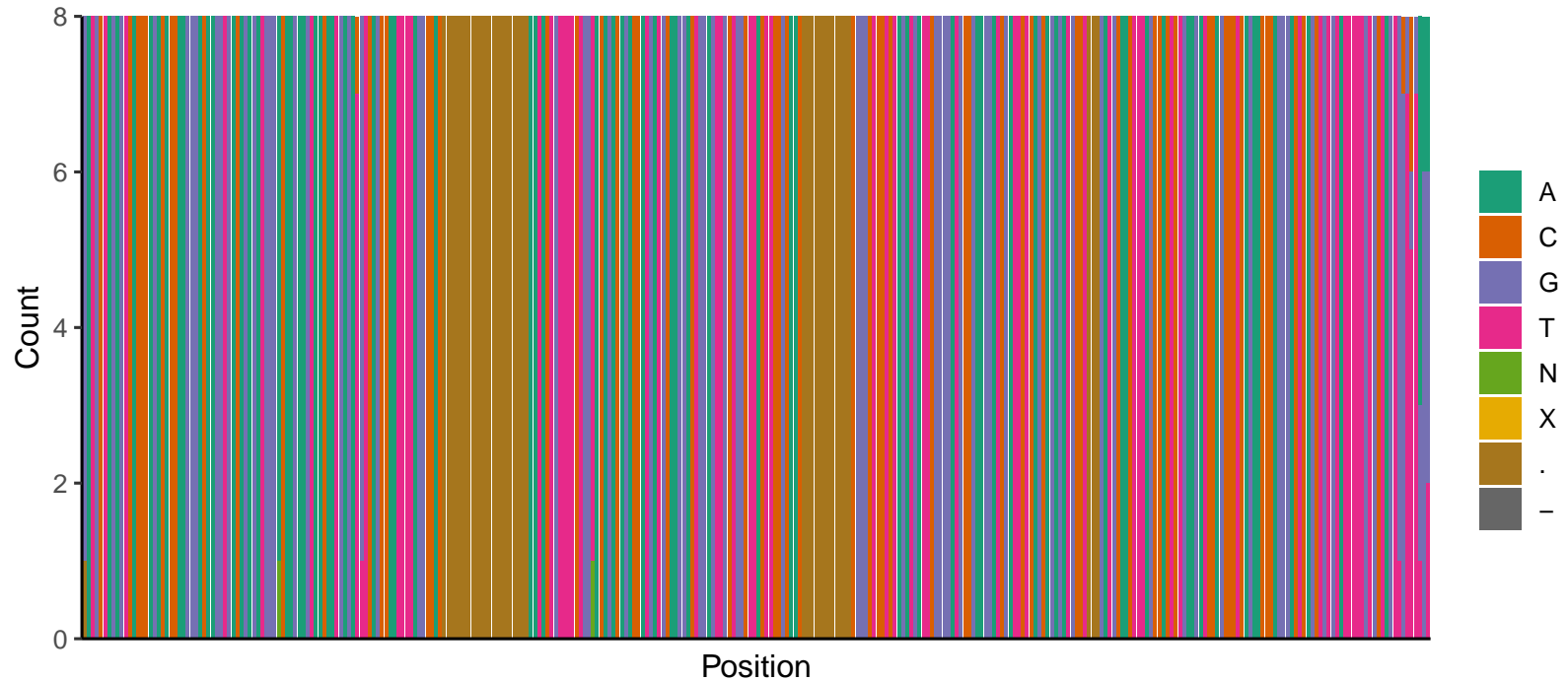
Gene TRBV10-3\*03\_313GCCATCAGTGAGTC326



Gene TRBV12-4\*01\_C87T



Gene TRBV12-5\*01\_C28G



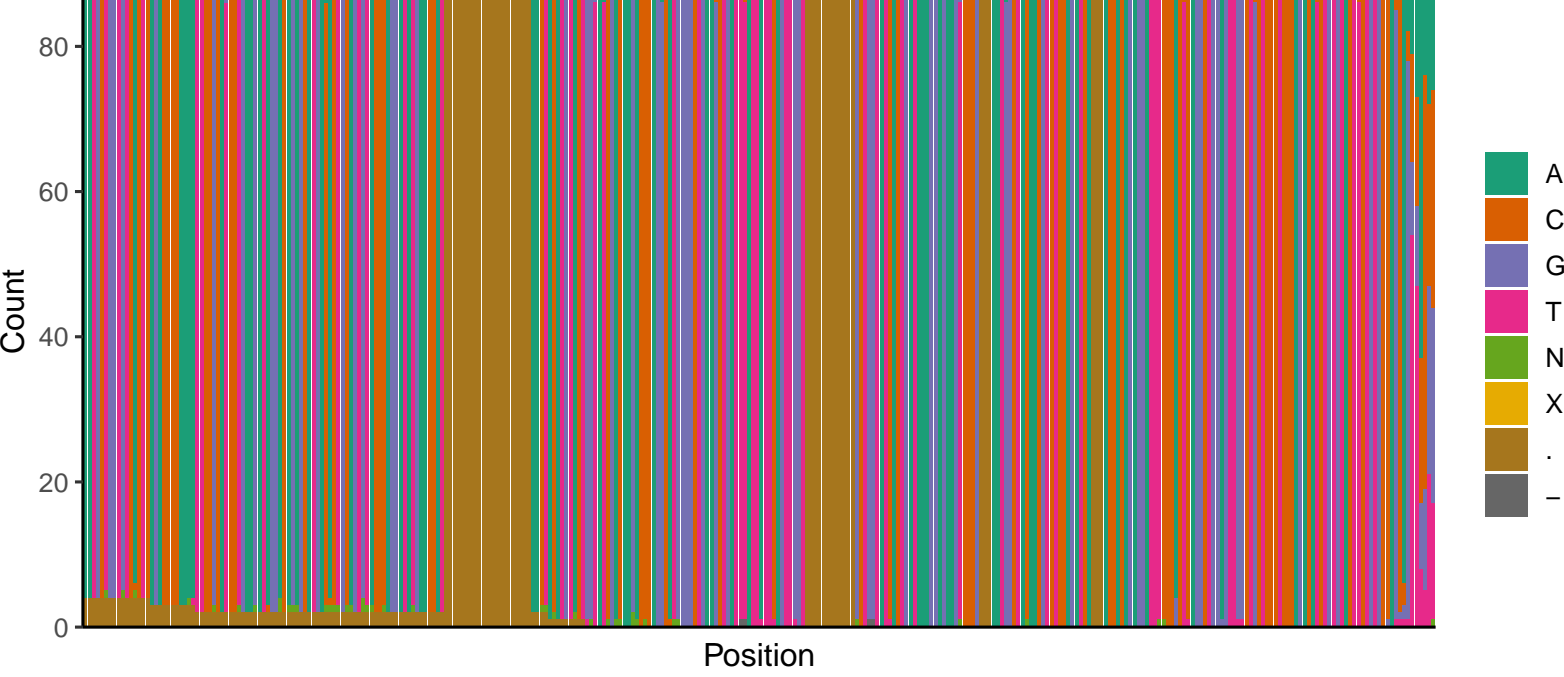
Gene TRBV14\*02\_322CAAGA326



Gene TRBV5-5\*02\_322TTGG325



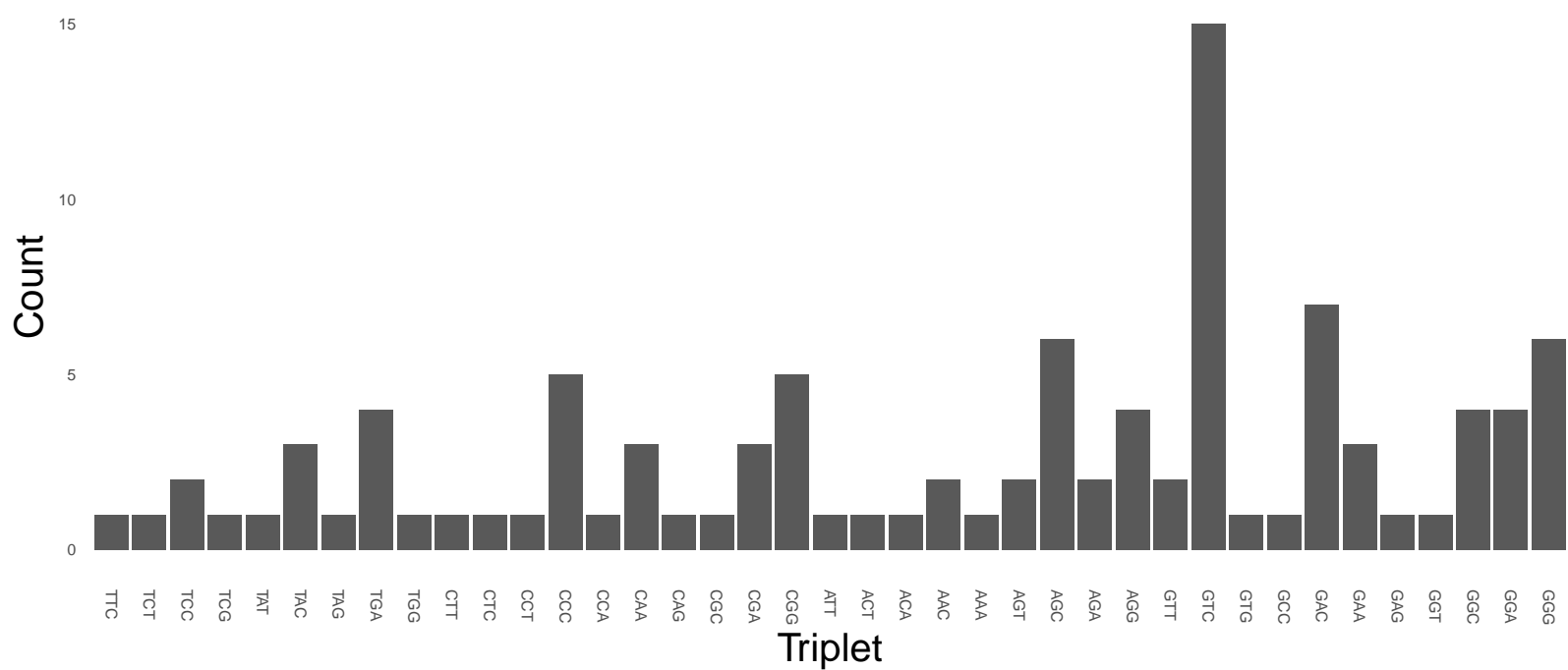
Gene TRBV6-6\*01\_G264A



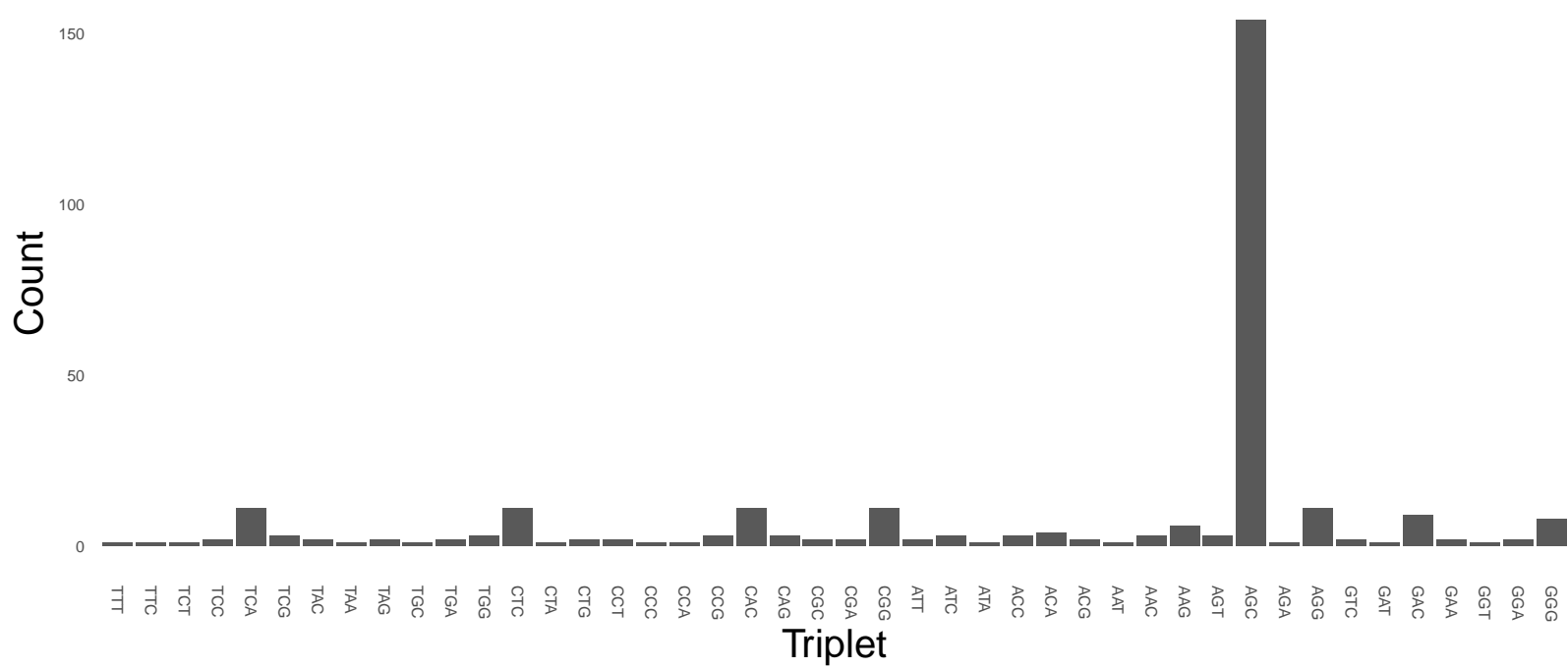
Gene TRBV7-7\*01\_C315T



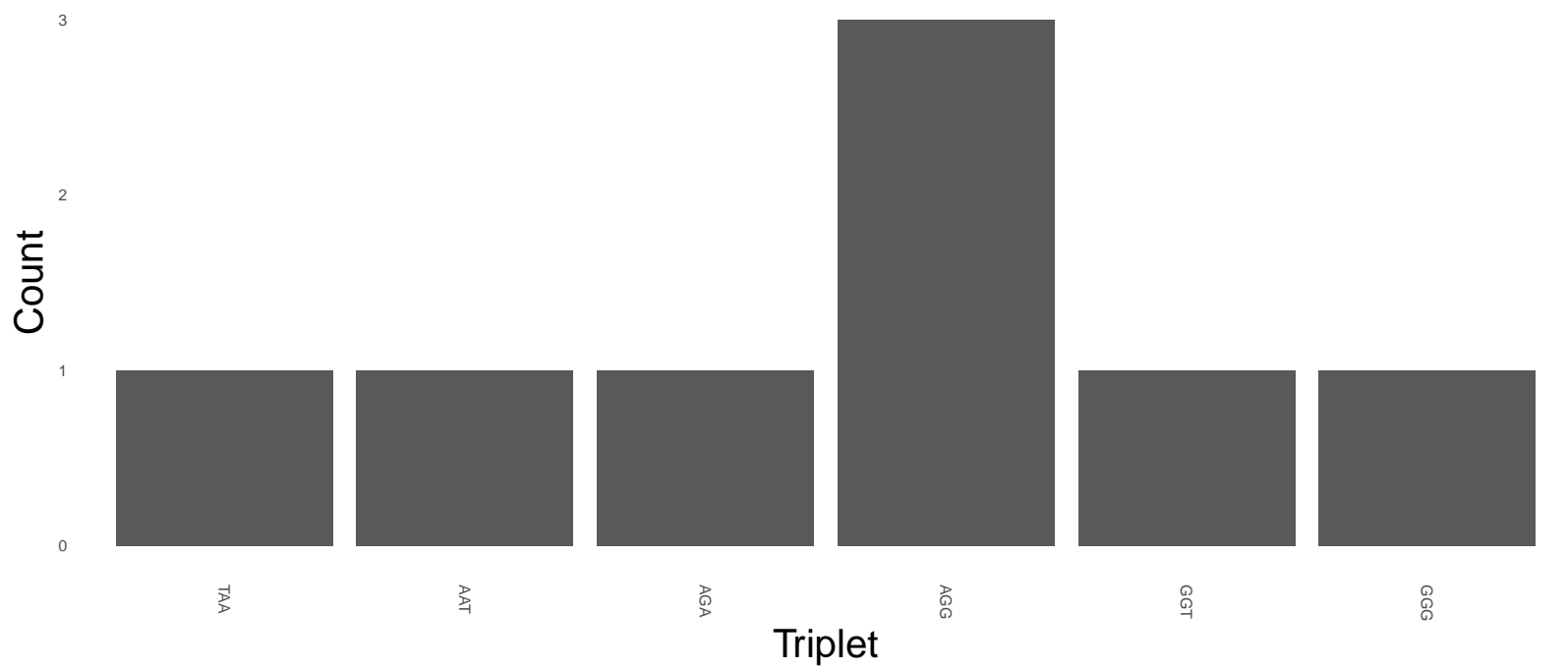
TRBV10–3\*03\_313GCCATCAGTGAGTC326– Final 3 nucleotides as a triplet



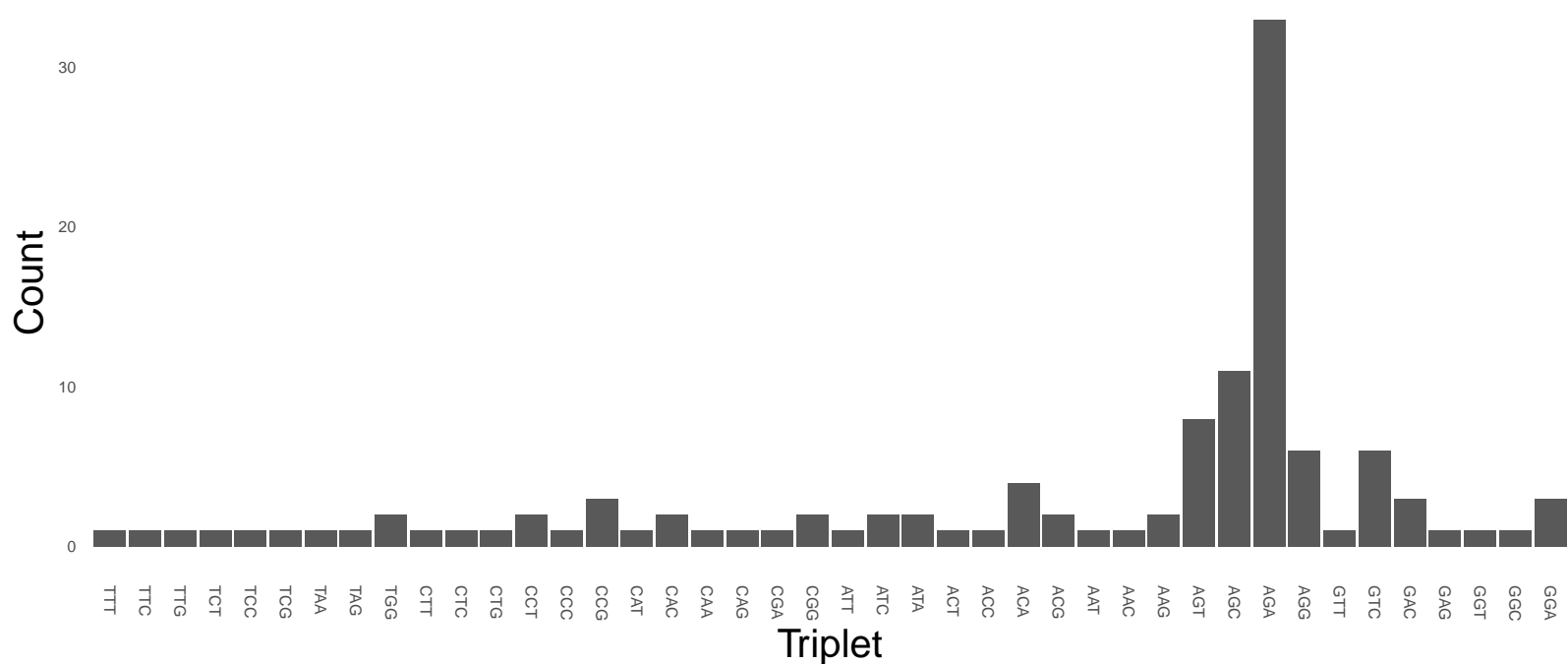
TRBV12–4\*01\_C87T– Final 3 nucleotides as a triplet



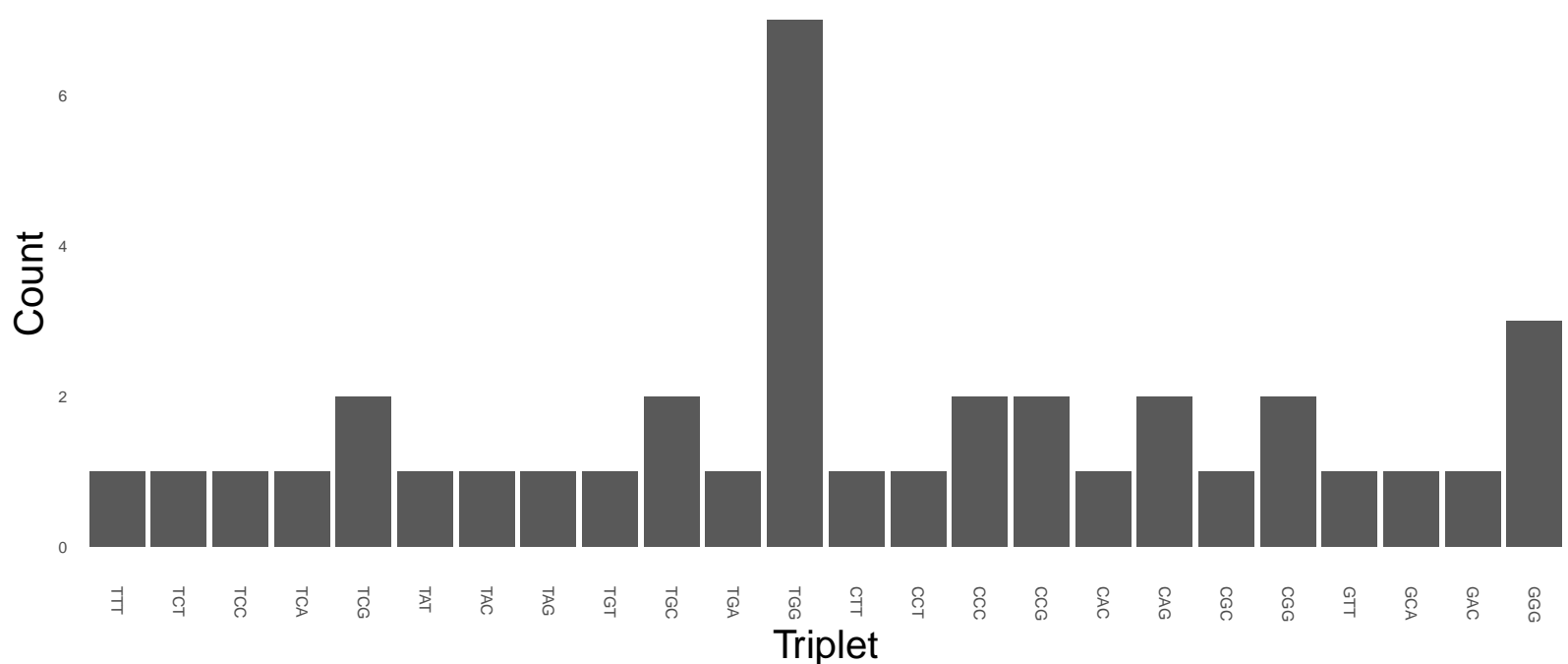
TRBV12–5\*01\_C28G– Final 3 nucleotides as a triplet



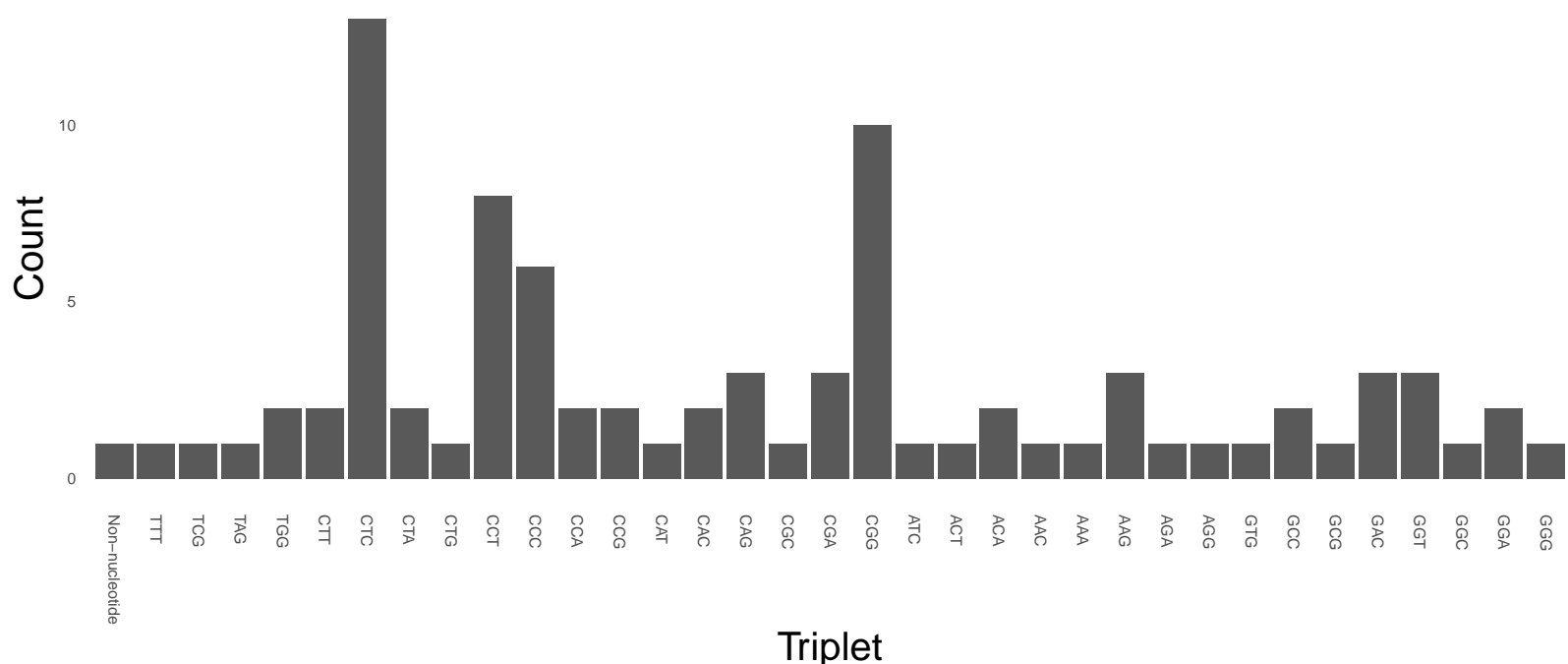
TRBV14\*02\_322CAAGA326– Final 3 nucleotides as a triplet



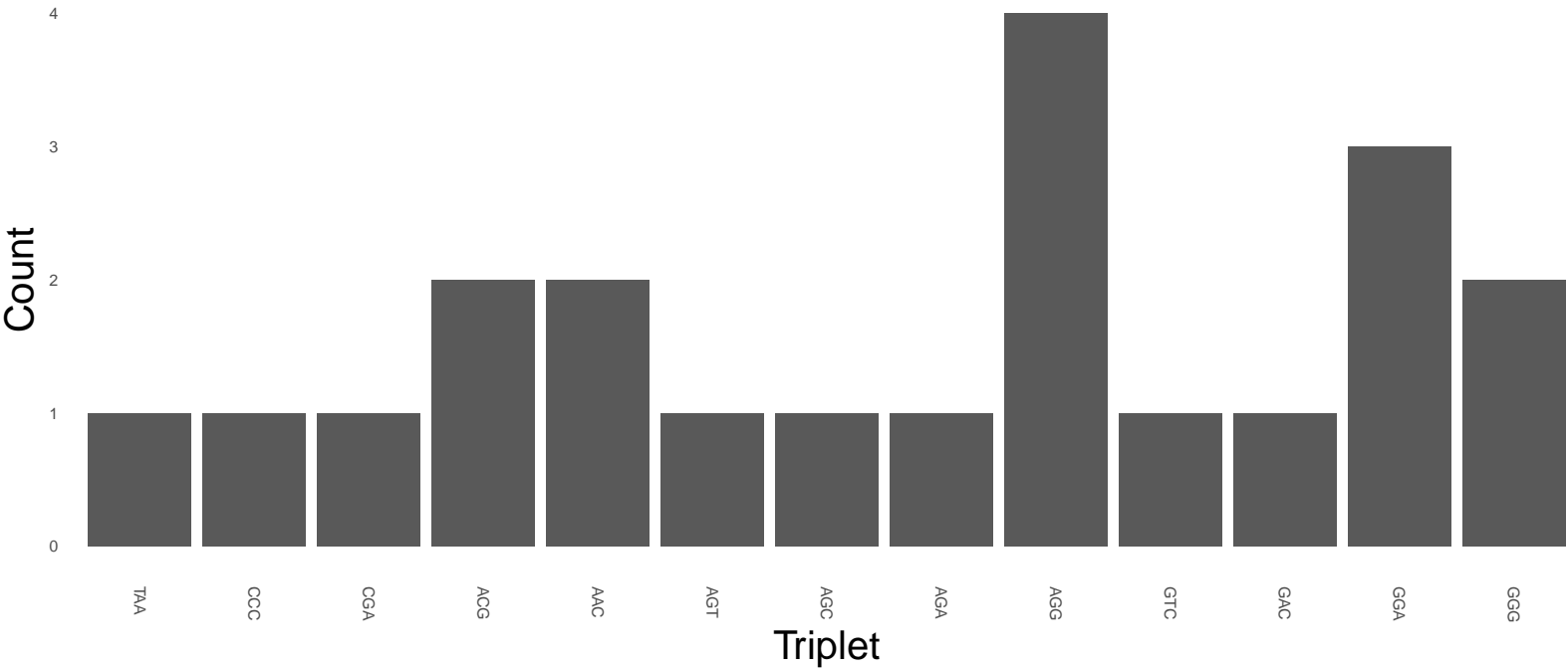
TRBV5–5\*02\_322TTGG325– Final 3 nucleotides as a triplet



TRBV6–6\*01\_G264A– Final 3 nucleotides as a triplet



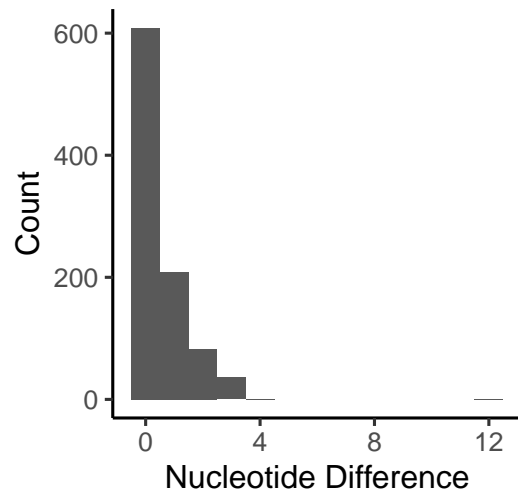
TRBV7-7\*01\_C315T- Final 3 nucleotides as a triplet





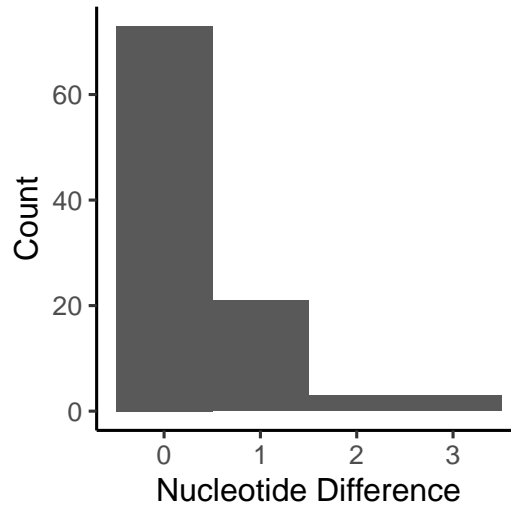
### TRBV20–1\*01

938 sequences assigned  
609 (64.9%) exact matches, in which:  
580 unique CDR3  
13 unique J



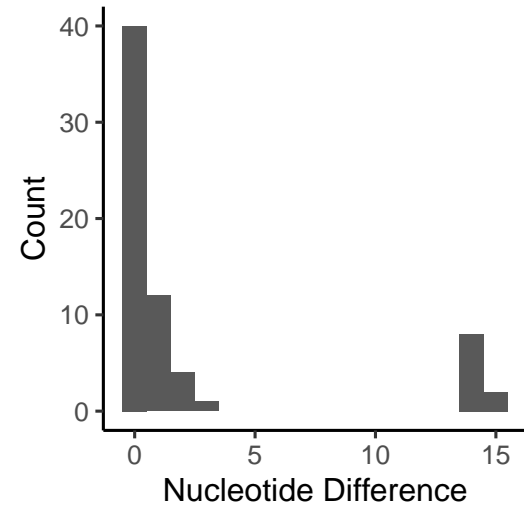
### TRBV10–3\*02

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



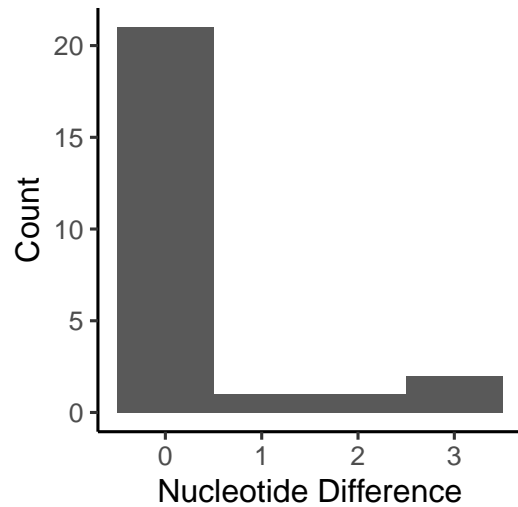
### TRBV13\*01

67 sequences assigned  
40 (59.7%) exact matches, in which:  
40 unique CDR3  
13 unique J



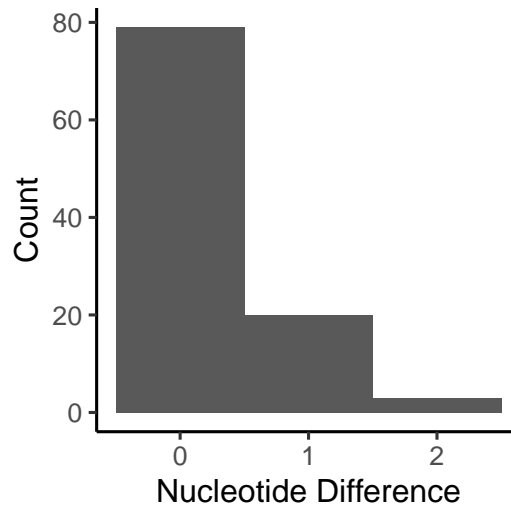
### TRBV10–1\*01

25 sequences assigned  
21 (84%) exact matches, in which:  
21 unique CDR3  
10 unique J



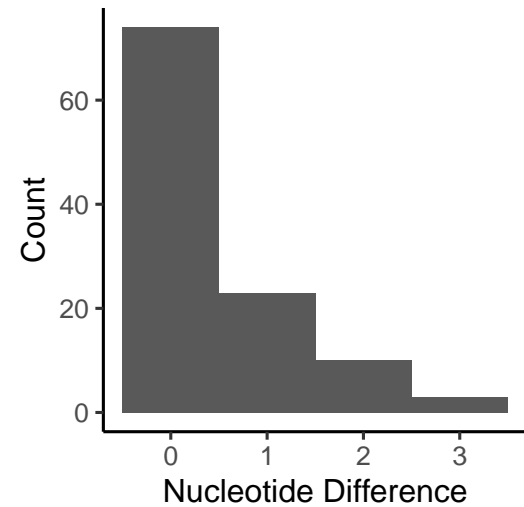
### TRBV10–3\*03\_313GCCA1

102 sequences assigned  
79 (77.5%) exact matches, in which:  
79 unique CDR3  
12 unique J



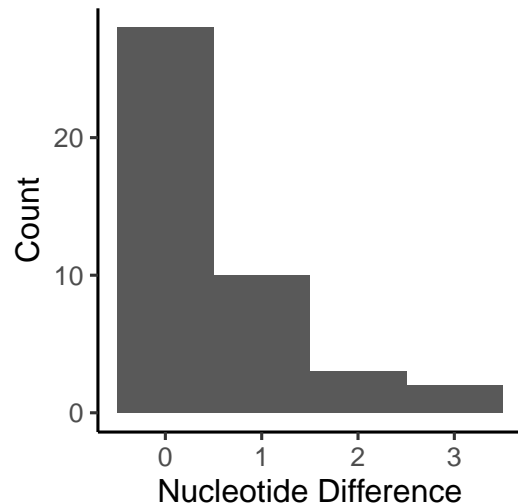
### TRBV14\*01

111 sequences assigned  
74 (66.7%) exact matches, in which:  
66 unique CDR3  
12 unique J



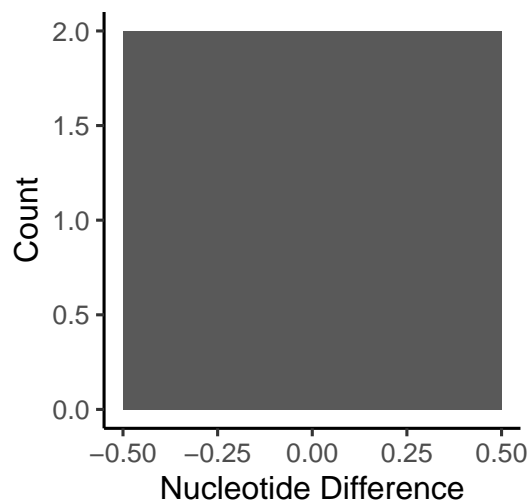
### TRBV10–2\*01

43 sequences assigned  
28 (65.1%) exact matches, in which:  
23 unique CDR3  
9 unique J



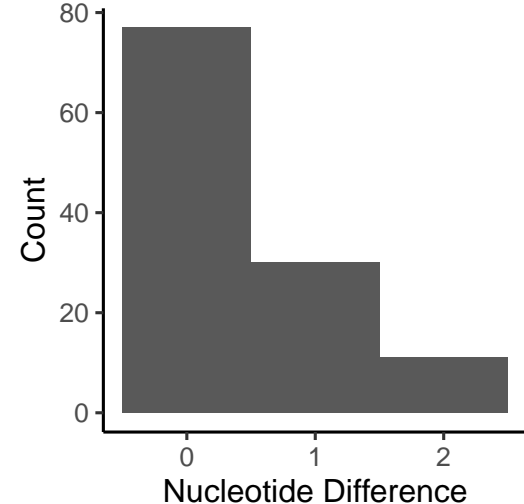
### TRBV1\*01

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



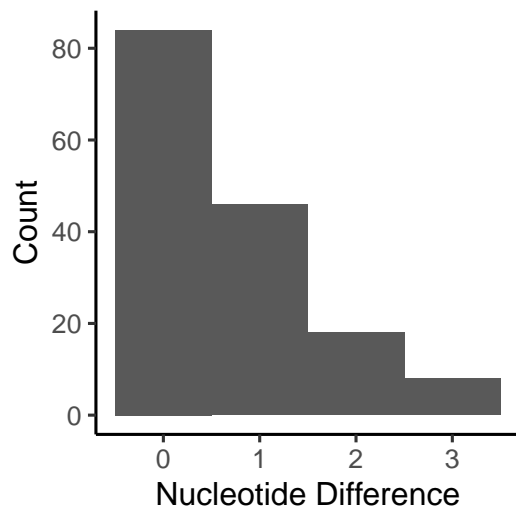
### TRBV14\*02\_322CAAGA32

118 sequences assigned  
77 (65.3%) exact matches, in which:  
71 unique CDR3  
13 unique J



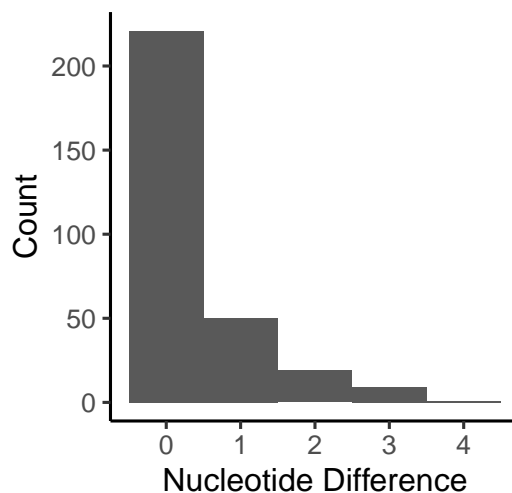
## TRBV15\*02

158 sequences assigned  
84 (53.2%) exact matches, in which:  
75 unique CDR3  
13 unique J



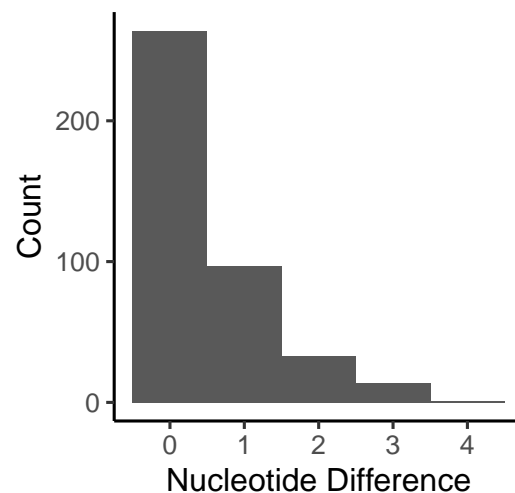
## TRBV19\*01

300 sequences assigned  
221 (73.7%) exact matches, in which:  
213 unique CDR3  
12 unique J



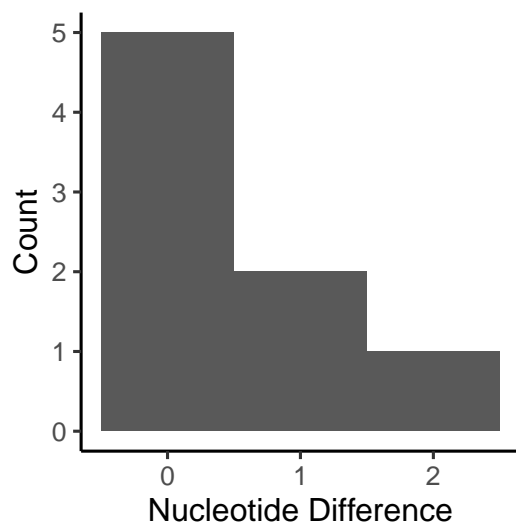
## TRBV28\*01

409 sequences assigned  
264 (64.5%) exact matches, in which:  
259 unique CDR3  
13 unique J



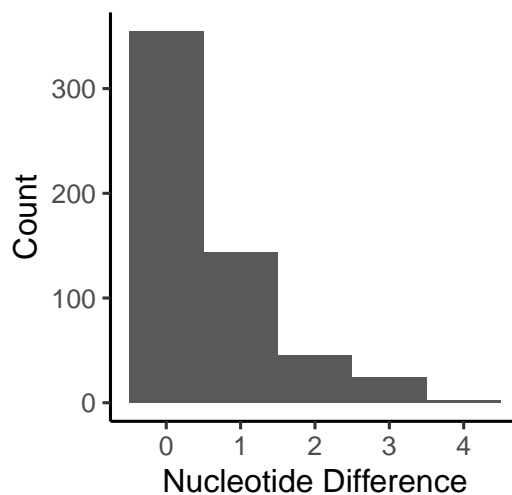
## TRBV16\*01

8 sequences assigned  
5 (62.5%) exact matches, in which:  
5 unique CDR3  
5 unique J



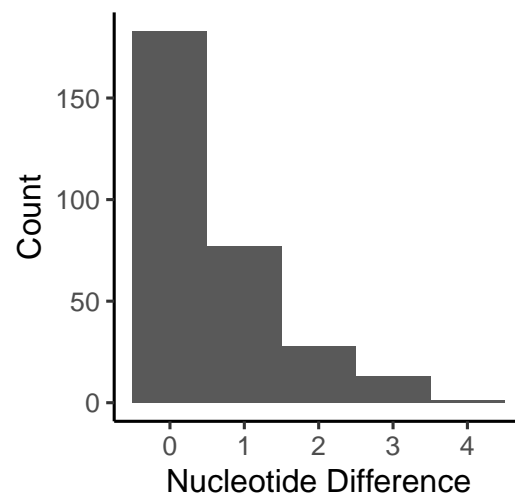
## TRBV2\*01

570 sequences assigned  
355 (62.3%) exact matches, in which:  
307 unique CDR3  
13 unique J



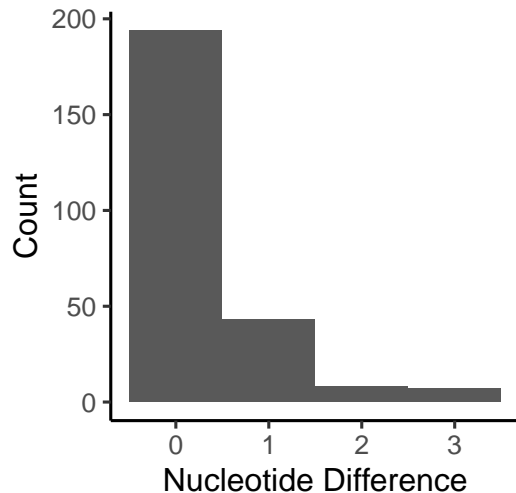
## TRBV30\*01

302 sequences assigned  
183 (60.6%) exact matches, in which:  
175 unique CDR3  
13 unique J



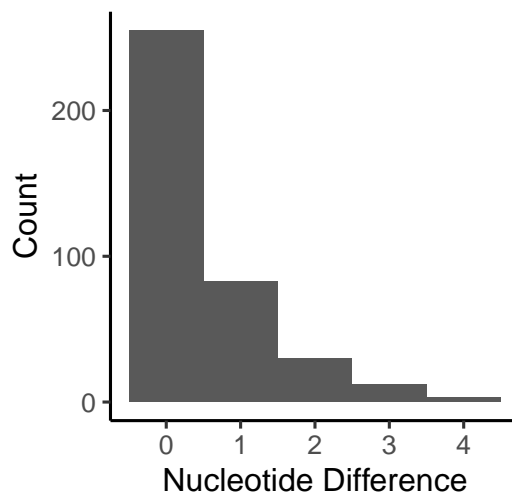
## TRBV18\*01

253 sequences assigned  
194 (76.7%) exact matches, in which:  
189 unique CDR3  
13 unique J



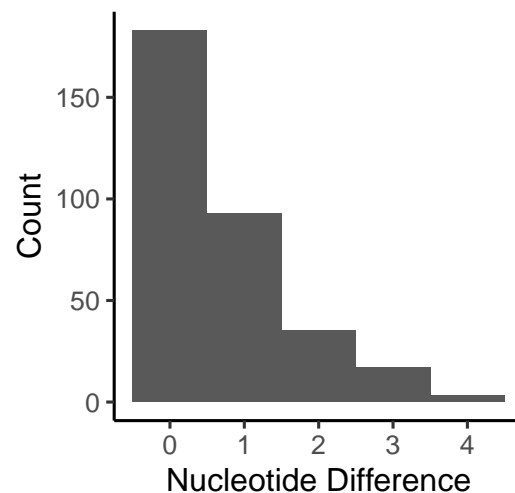
## TRBV27\*01

383 sequences assigned  
255 (66.6%) exact matches, in which:  
235 unique CDR3  
13 unique J



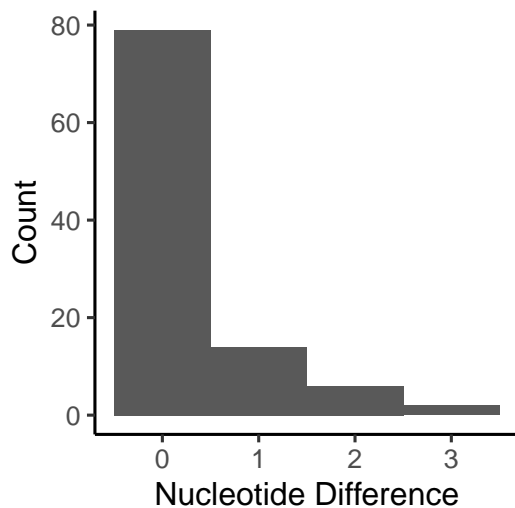
## TRBV9\*01

331 sequences assigned  
183 (55.3%) exact matches, in which:  
166 unique CDR3  
13 unique J



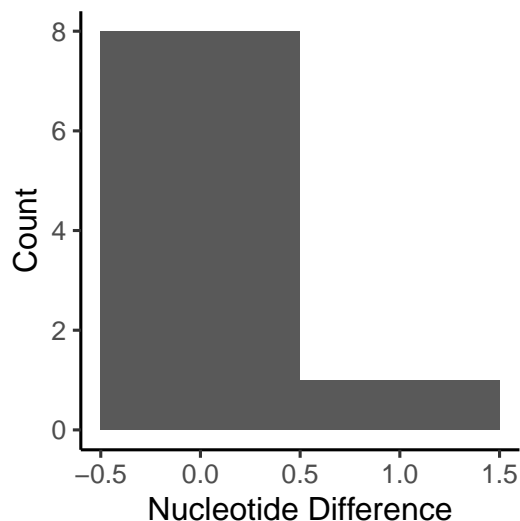
### TRBV21–1\*01

101 sequences assigned  
79 (78.2%) exact matches, in which:  
74 unique CDR3  
13 unique J



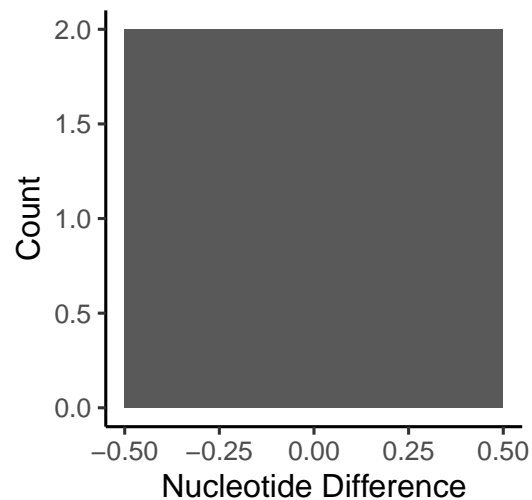
### TRBV11–3\*01

9 sequences assigned  
8 (88.9%) exact matches, in which:  
8 unique CDR3  
7 unique J



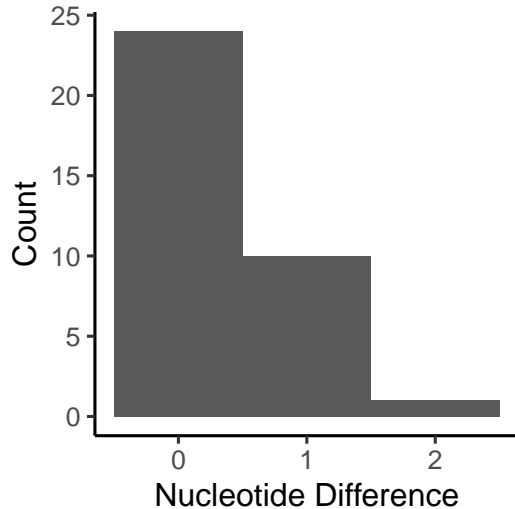
### TRBV12–2\*01

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



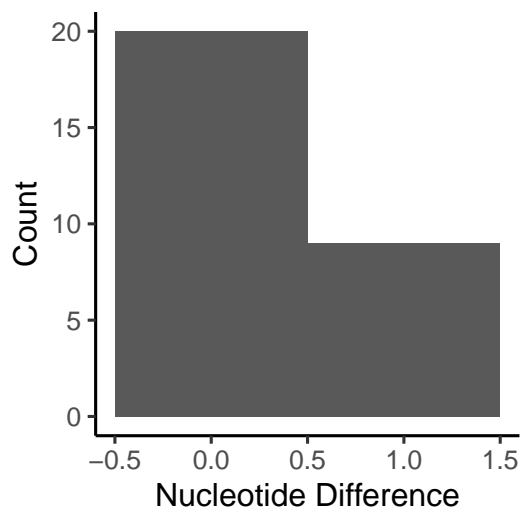
### TRBV11–1\*01

35 sequences assigned  
24 (68.6%) exact matches, in which:  
24 unique CDR3  
9 unique J



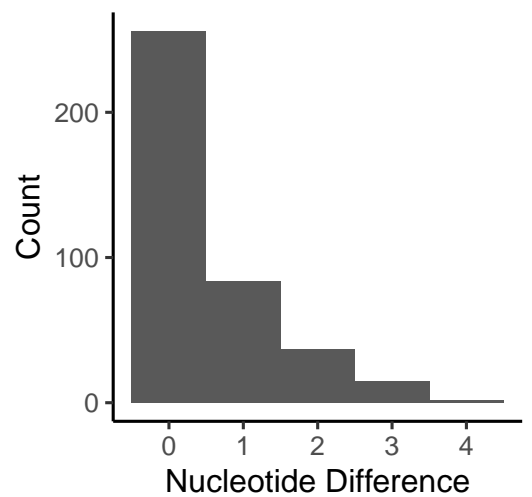
### TRBV11–3\*04

29 sequences assigned  
20 (69%) exact matches, in which:  
20 unique CDR3  
7 unique J



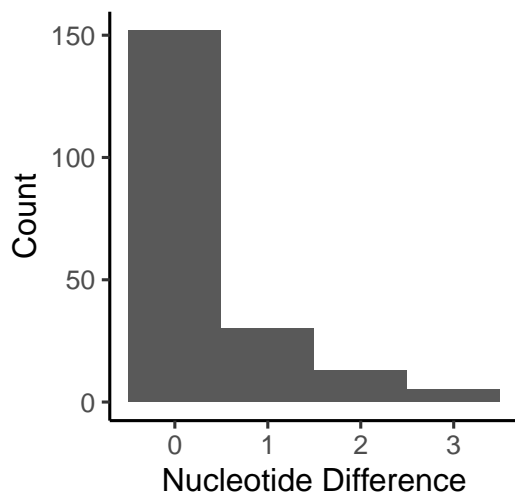
### TRBV12–3\*01

394 sequences assigned  
256 (65%) exact matches, in which:  
251 unique CDR3  
13 unique J



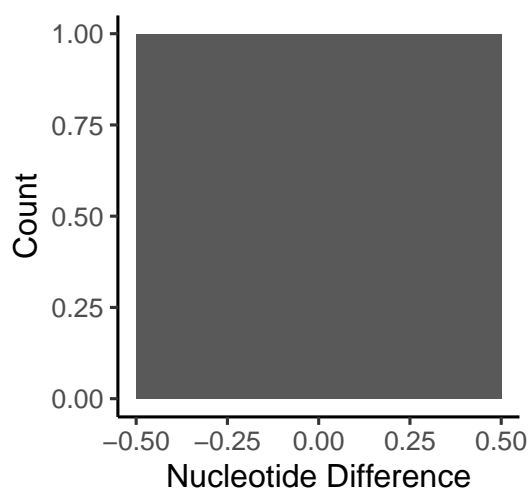
### TRBV11–2\*01

200 sequences assigned  
152 (76%) exact matches, in which:  
148 unique CDR3  
13 unique J



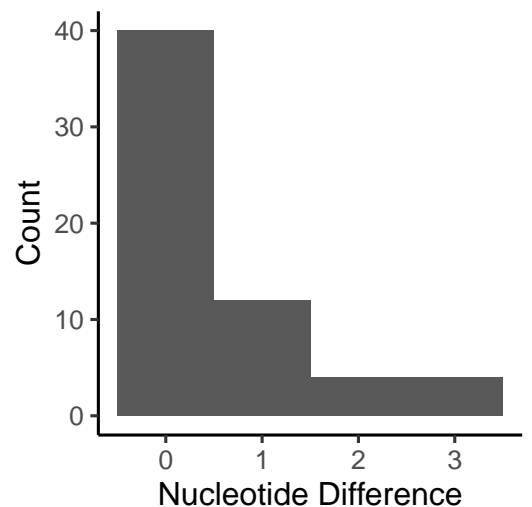
### TRBV12–1\*01

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



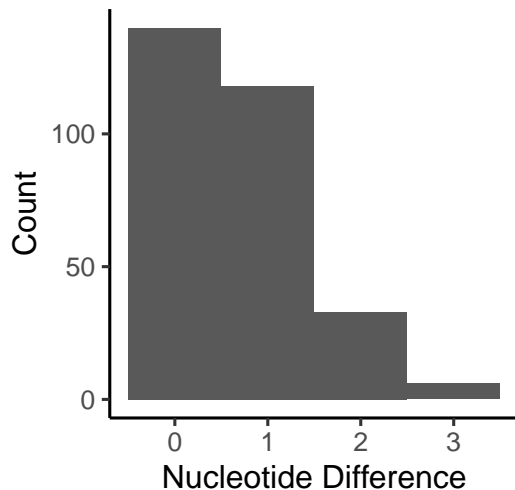
### TRBV12–4\*01

60 sequences assigned  
40 (66.7%) exact matches, in which:  
37 unique CDR3  
13 unique J



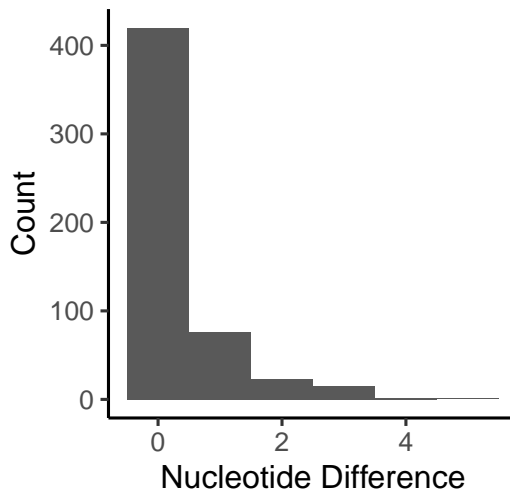
### TRBV12-4\*01\_C87T

299 sequences assigned  
140 (46.8%) exact matches, in which:  
109 unique CDR3  
13 unique J



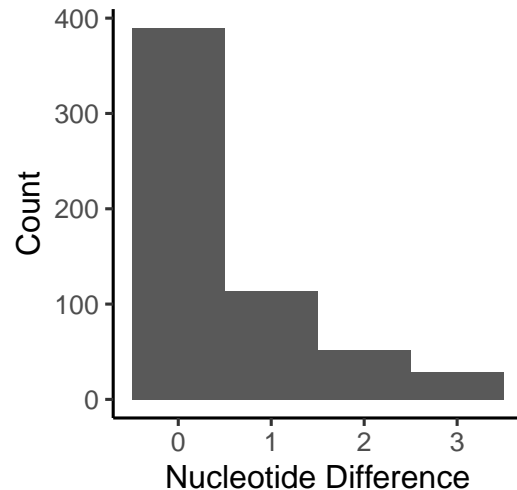
### TRBV3-1\*01

537 sequences assigned  
420 (78.2%) exact matches, in which:  
412 unique CDR3  
13 unique J



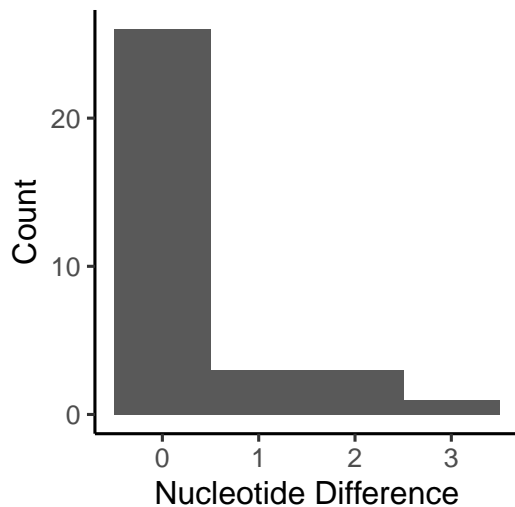
### TRBV4-1\*01

585 sequences assigned  
390 (66.7%) exact matches, in which:  
336 unique CDR3  
13 unique J



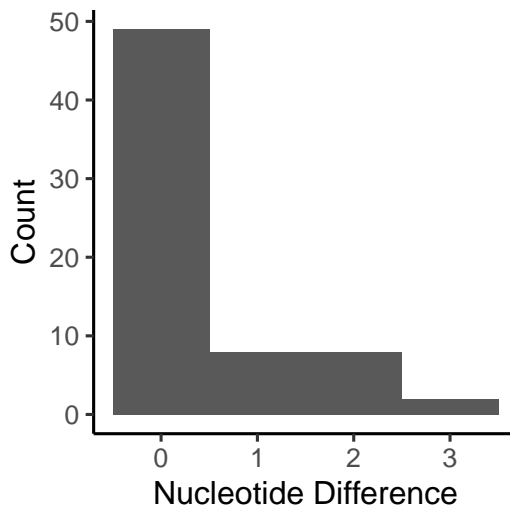
### TRBV12-5\*01

33 sequences assigned  
26 (78.8%) exact matches, in which:  
26 unique CDR3  
10 unique J



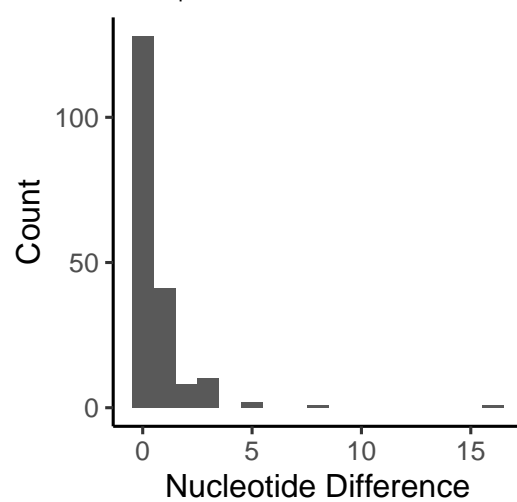
### TRBV23-1\*01

67 sequences assigned  
49 (73.1%) exact matches, in which:  
42 unique CDR3  
11 unique J



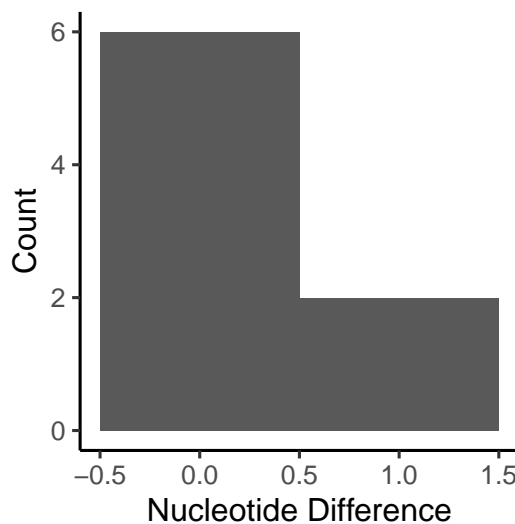
### TRBV24-1\*01

191 sequences assigned  
128 (67%) exact matches, in which:  
119 unique CDR3  
12 unique J



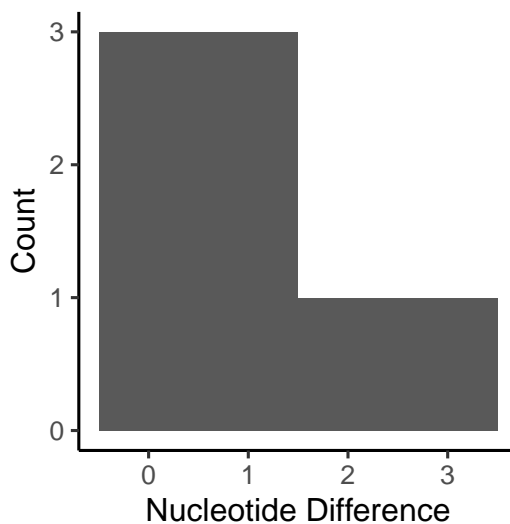
### TRBV12-5\*01\_C28G

8 sequences assigned  
6 (75%) exact matches, in which:  
5 unique CDR3  
4 unique J



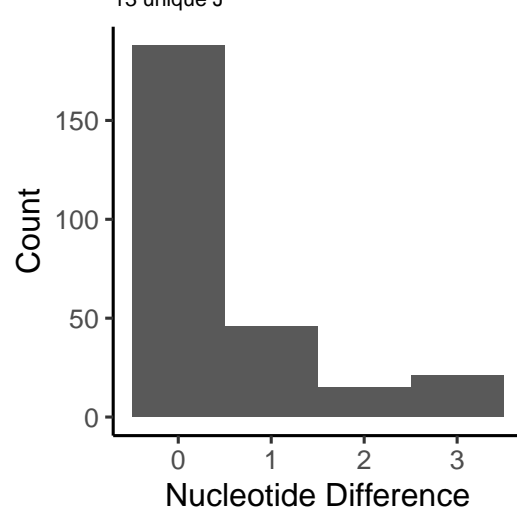
### TRBV3-2\*02

8 sequences assigned  
3 (37.5%) exact matches, in which:  
3 unique CDR3  
3 unique J



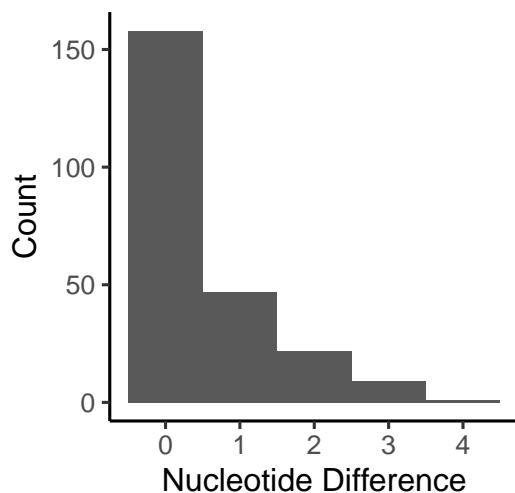
### TRBV4-2\*01

270 sequences assigned  
188 (69.6%) exact matches, in which:  
172 unique CDR3  
13 unique J



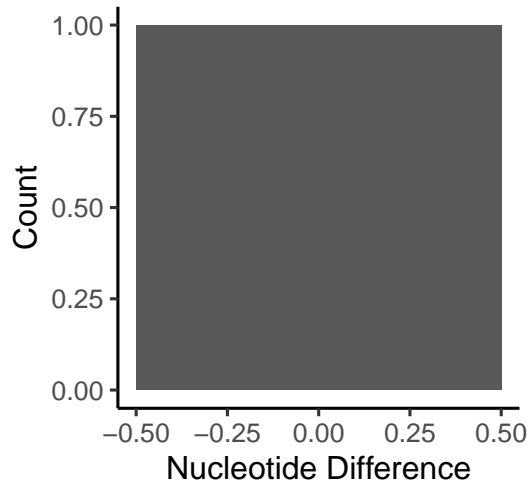
### TRBV4-3\*01

237 sequences assigned  
158 (66.7%) exact matches, in which:  
155 unique CDR3  
13 unique J



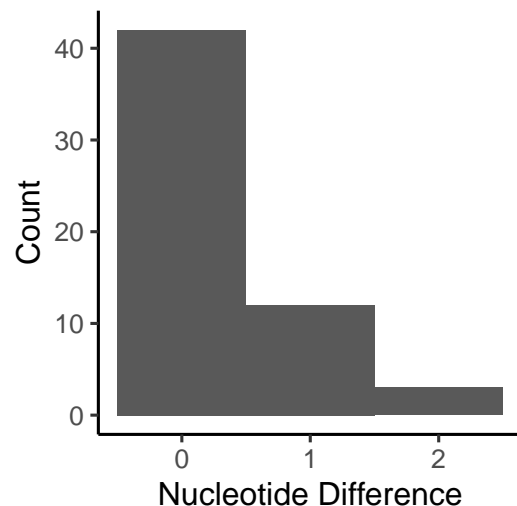
### TRBV5-3\*01

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



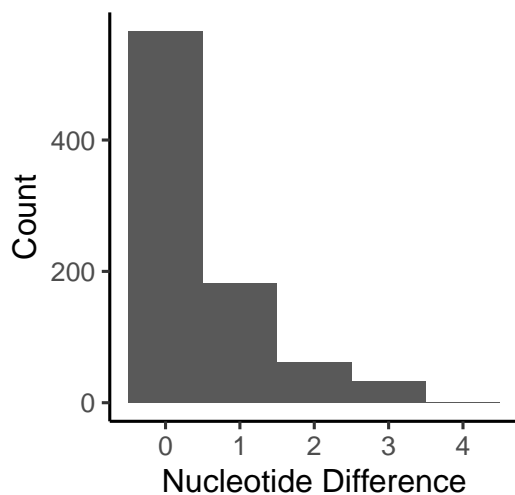
### TRBV5-5\*01

57 sequences assigned  
42 (73.7%) exact matches, in which:  
42 unique CDR3  
11 unique J



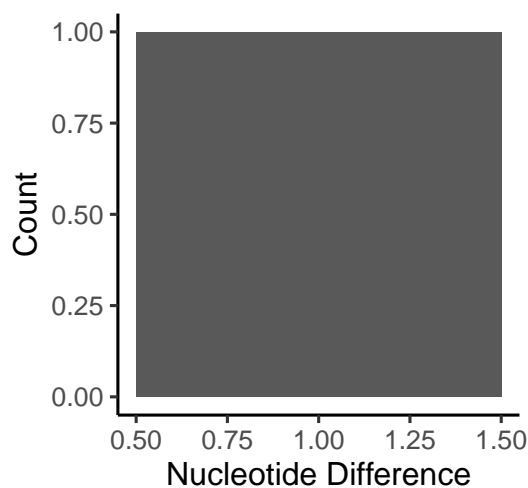
### TRBV5-1\*01

842 sequences assigned  
566 (67.2%) exact matches, in which:  
550 unique CDR3  
13 unique J



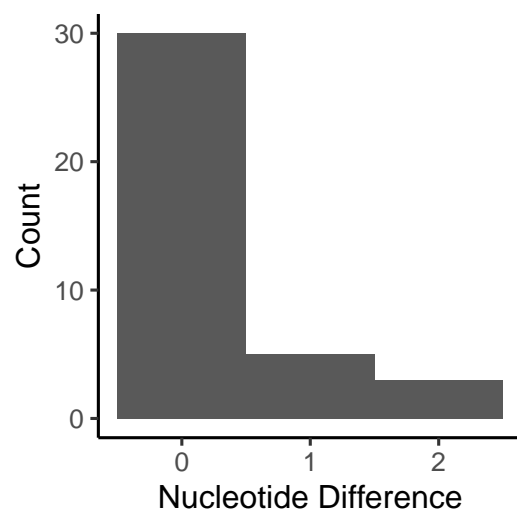
### TRBV5-3\*02

1 sequences assigned  
No exact matches.



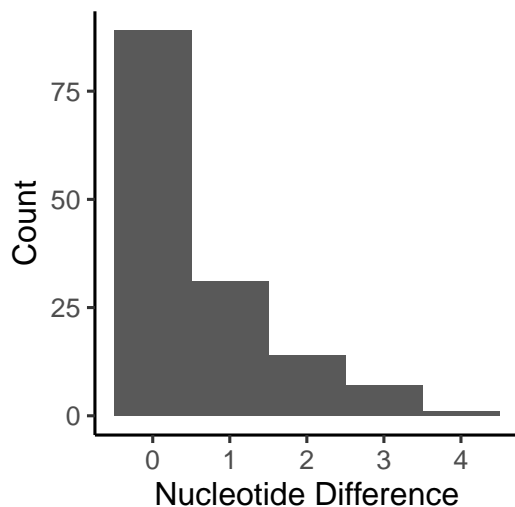
### TRBV5-5\*02\_322TTGG32

38 sequences assigned  
30 (78.9%) exact matches, in which:  
29 unique CDR3  
11 unique J



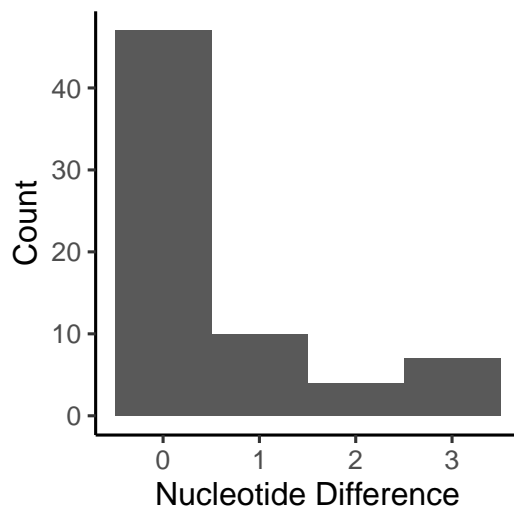
### TRBV25-1\*01

142 sequences assigned  
89 (62.7%) exact matches, in which:  
79 unique CDR3  
13 unique J



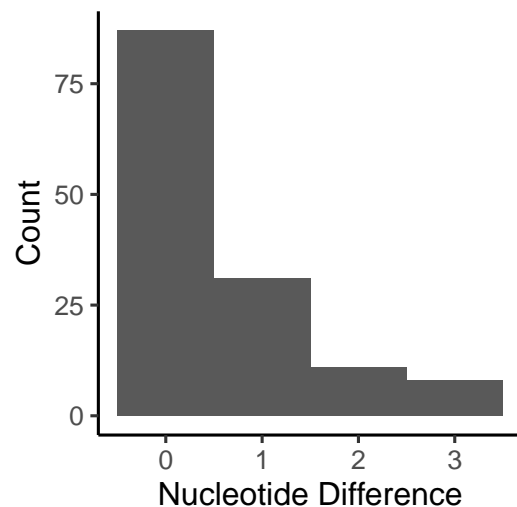
### TRBV5-4\*01

68 sequences assigned  
47 (69.1%) exact matches, in which:  
44 unique CDR3  
11 unique J



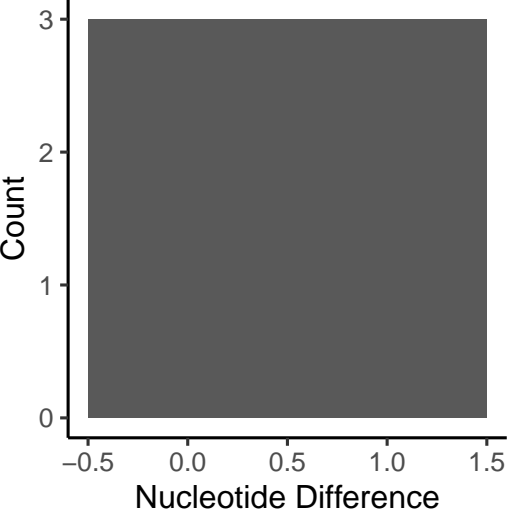
### TRBV5-6\*01

137 sequences assigned  
87 (63.5%) exact matches, in which:  
85 unique CDR3  
13 unique J



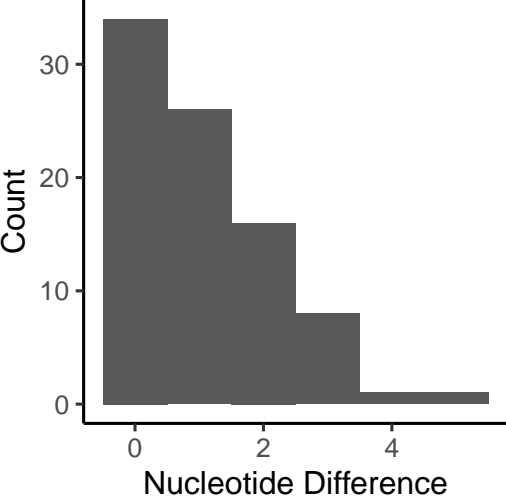
TRBV5-7\*01

6 sequences assigned  
3 (50%) exact matches, in which:  
3 unique CDR3  
3 unique J



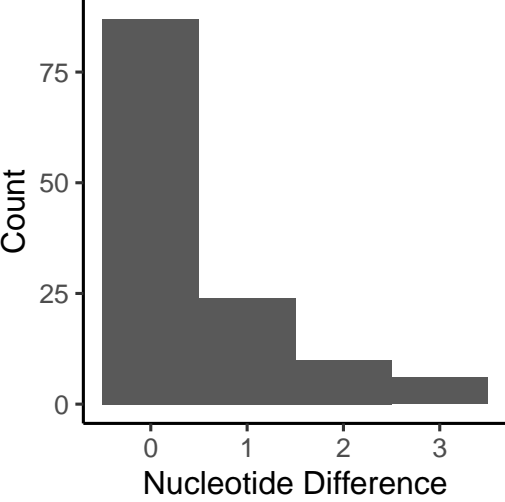
TRBV6-4\*01

86 sequences assigned  
34 (39.5%) exact matches, in which:  
25 unique CDR3  
7 unique J



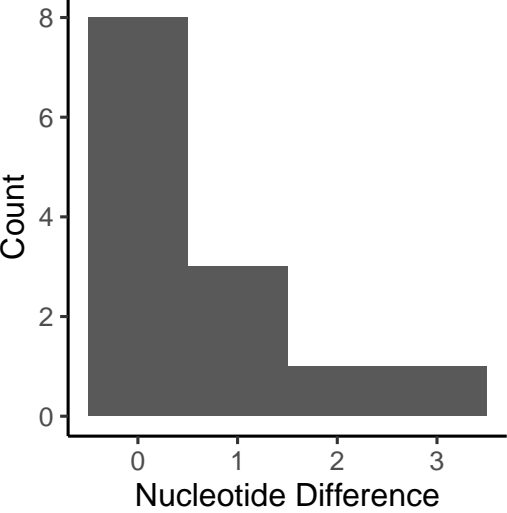
TRBV6-6\*02

127 sequences assigned  
87 (68.5%) exact matches, in which:  
86 unique CDR3  
12 unique J



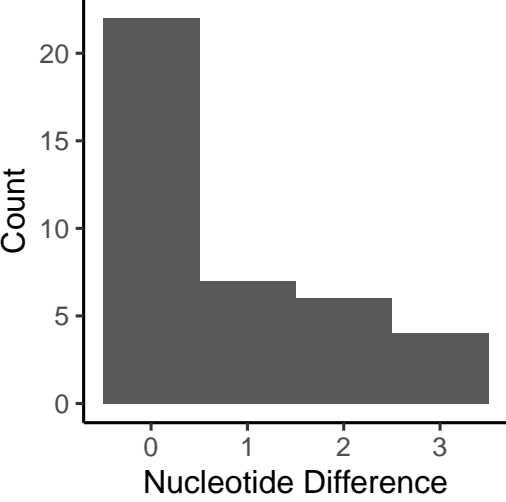
TRBV5-8\*01

13 sequences assigned  
8 (61.5%) exact matches, in which:  
7 unique CDR3  
5 unique J



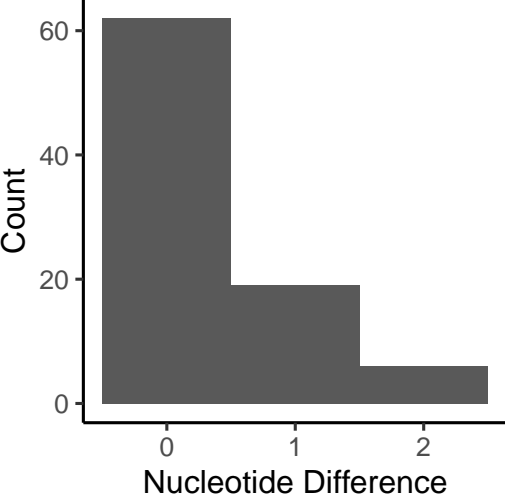
TRBV6-4\*02

39 sequences assigned  
22 (56.4%) exact matches, in which:  
20 unique CDR3  
6 unique J



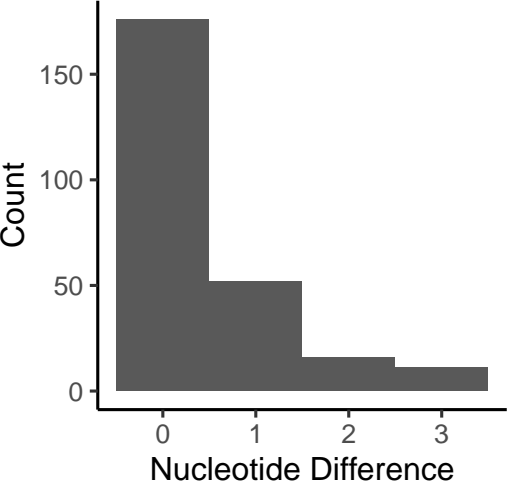
TRBV6-6\*01\_G264A

87 sequences assigned  
62 (71.3%) exact matches, in which:  
60 unique CDR3  
12 unique J



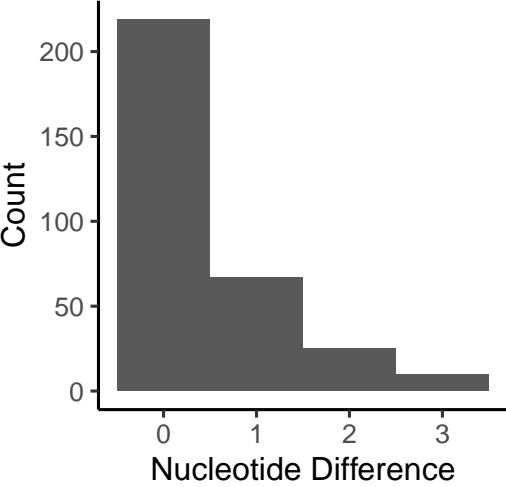
TRBV6-1\*01

256 sequences assigned  
176 (68.8%) exact matches, in which:  
167 unique CDR3  
13 unique J



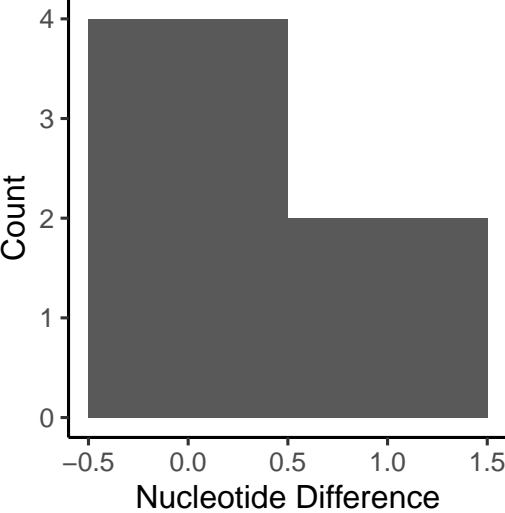
TRBV6-5\*01

321 sequences assigned  
219 (68.2%) exact matches, in which:  
215 unique CDR3  
13 unique J



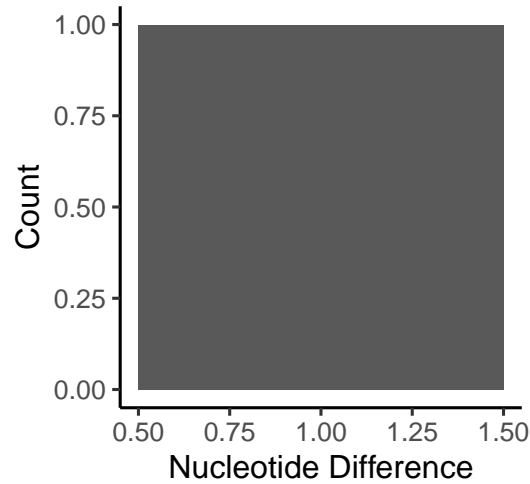
TRBV6-7\*01

6 sequences assigned  
4 (66.7%) exact matches, in which:  
4 unique CDR3  
4 unique J



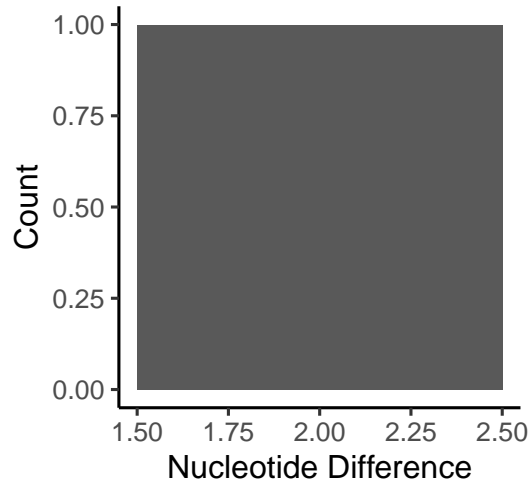
### TRBV6-8\*01

1 sequences assigned  
No exact matches.



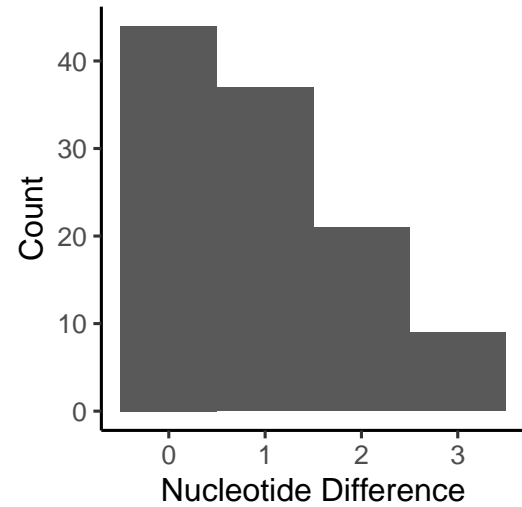
### TRBV7-1\*01

1 sequences assigned  
No exact matches.



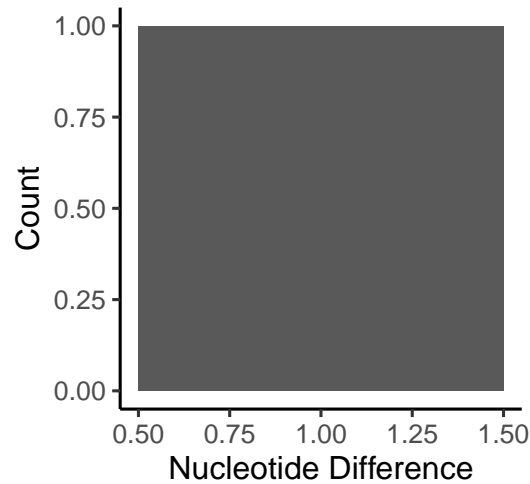
### TRBV7-3\*03

111 sequences assigned  
44 (39.6%) exact matches, in which:  
16 unique CDR3  
8 unique J



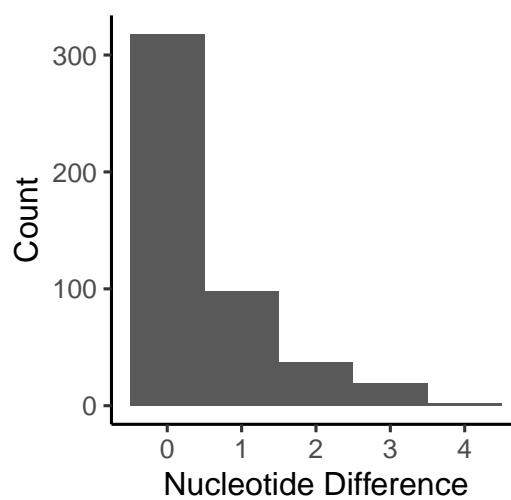
### TRBV6-9\*01

1 sequences assigned  
No exact matches.



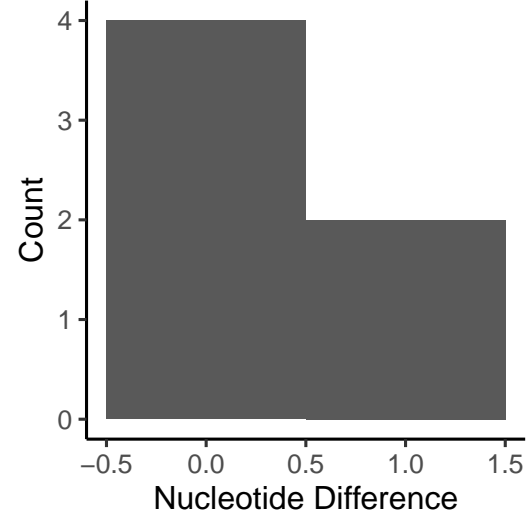
### TRBV7-2\*01

475 sequences assigned  
318 (66.9%) exact matches, in which:  
308 unique CDR3  
13 unique J



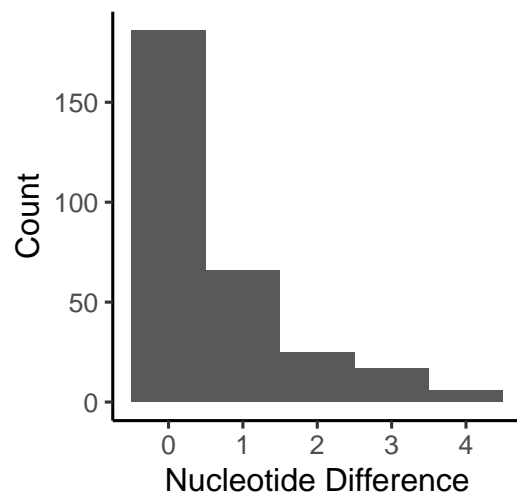
### TRBV7-4\*01

6 sequences assigned  
4 (66.7%) exact matches, in which:  
4 unique CDR3  
3 unique J



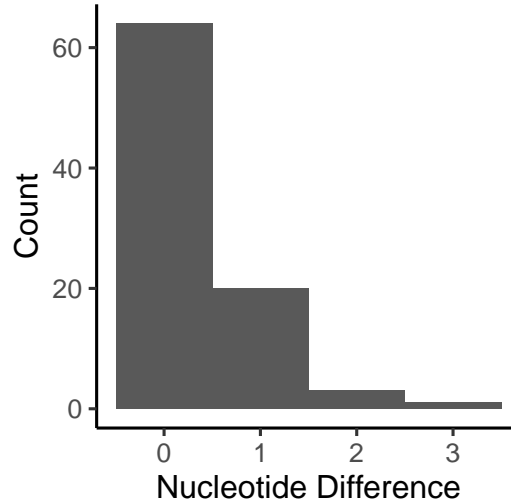
### TRBV6-23\*01

301 sequences assigned  
186 (61.8%) exact matches, in which:  
174 unique CDR3  
13 unique J



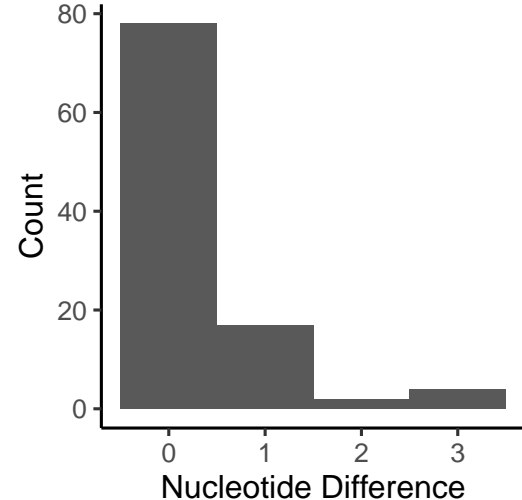
### TRBV7-3\*01

88 sequences assigned  
64 (72.7%) exact matches, in which:  
61 unique CDR3  
10 unique J



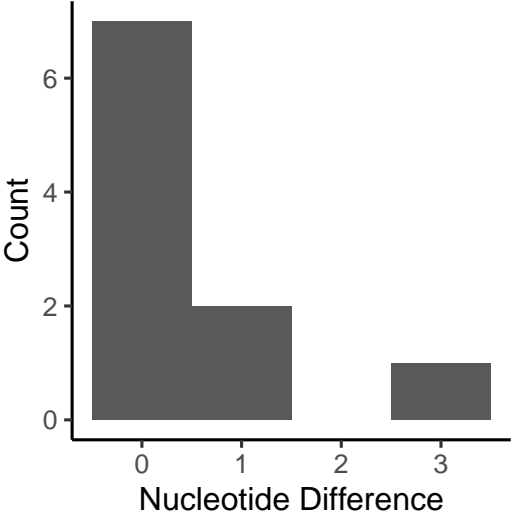
### TRBV7-6\*01

101 sequences assigned  
78 (77.2%) exact matches, in which:  
75 unique CDR3  
12 unique J



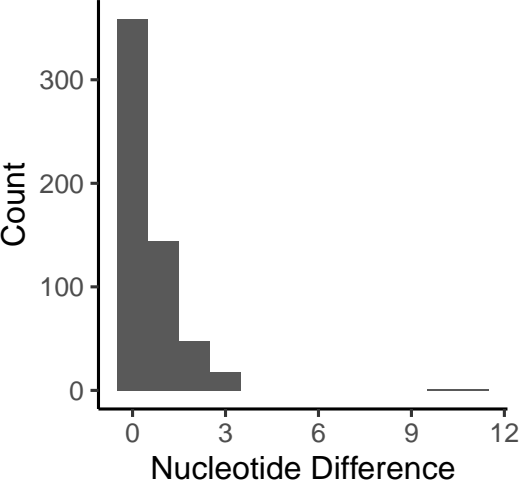
TRBV7-7\*01

10 sequences assigned  
7 (70%) exact matches, in which:  
7 unique CDR3  
6 unique J



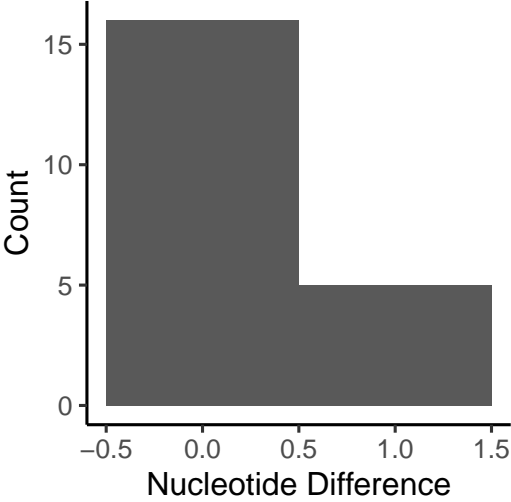
TRBV7-9\*03

571 sequences assigned  
359 (62.9%) exact matches, in which:  
319 unique CDR3  
13 unique J



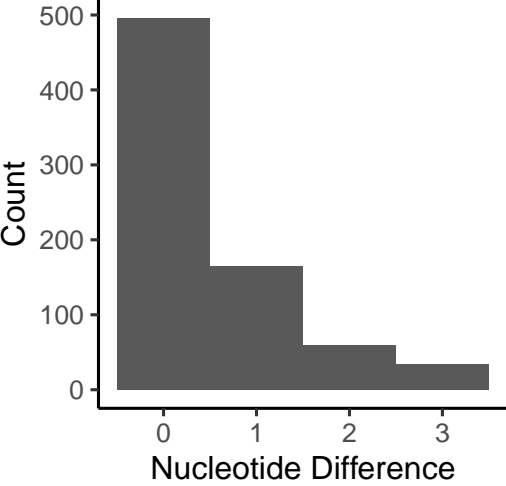
TRBV7-7\*01\_C315T

21 sequences assigned  
16 (76.2%) exact matches, in which:  
16 unique CDR3  
6 unique J



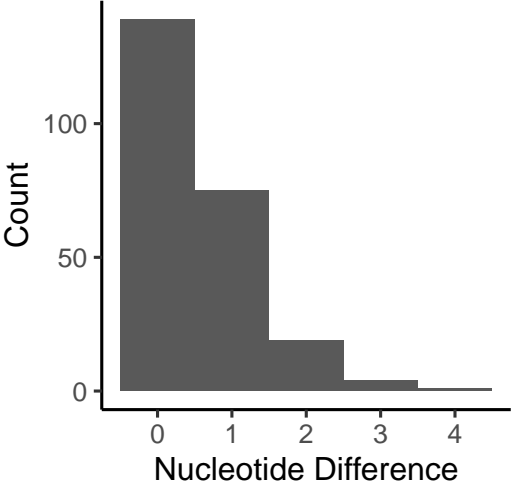
TRBV29-1\*01

755 sequences assigned  
496 (65.7%) exact matches, in which:  
469 unique CDR3  
13 unique J



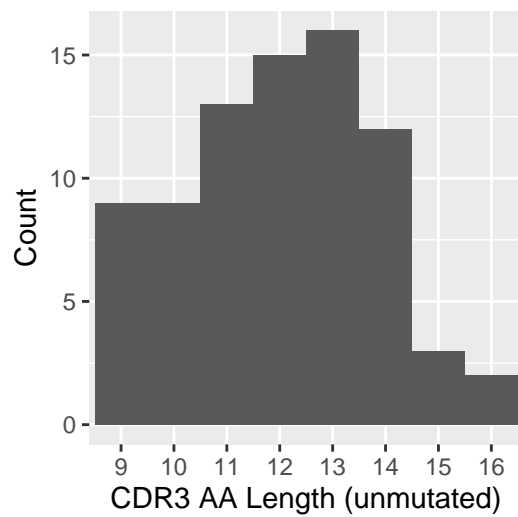
TRBV7-8\*01

238 sequences assigned  
139 (58.4%) exact matches, in which:  
121 unique CDR3  
13 unique J

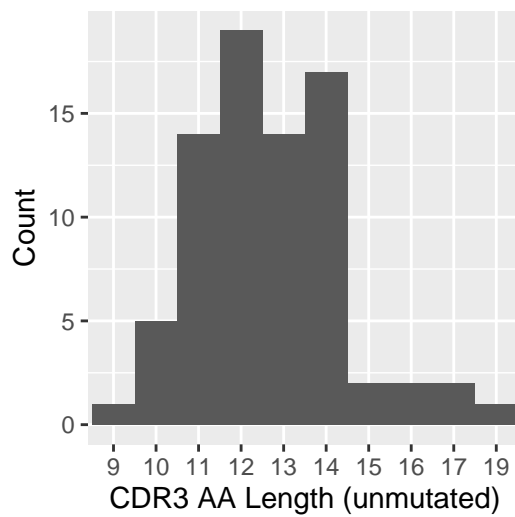




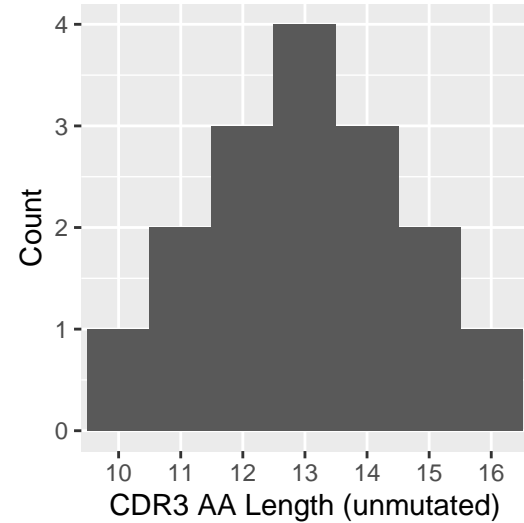
TRBV10-3\*03\_313GCCATC,



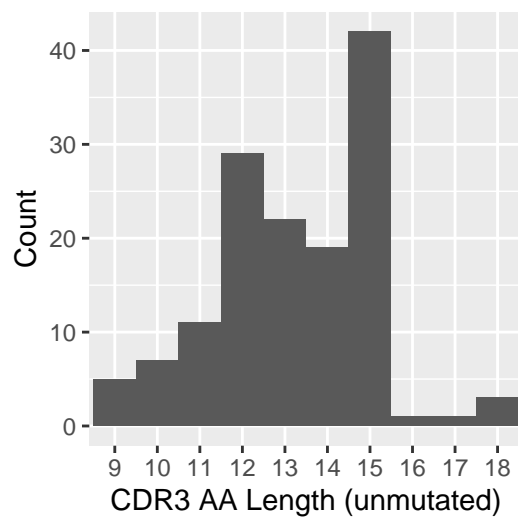
TRBV14\*02\_322CAAGA326



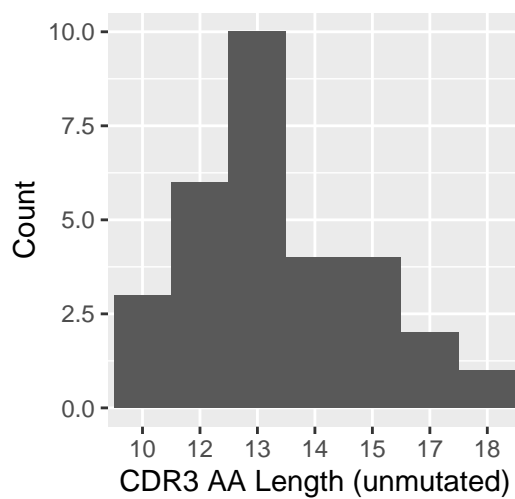
TRBV7-7\*01\_C315T



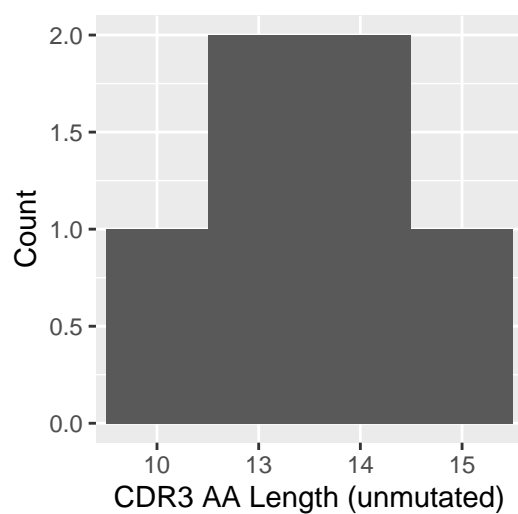
TRBV12-4\*01\_C87T



TRBV5-5\*02\_322TTGG325



TRBV12-5\*01\_C28G



TRBV6-6\*01\_G264A

