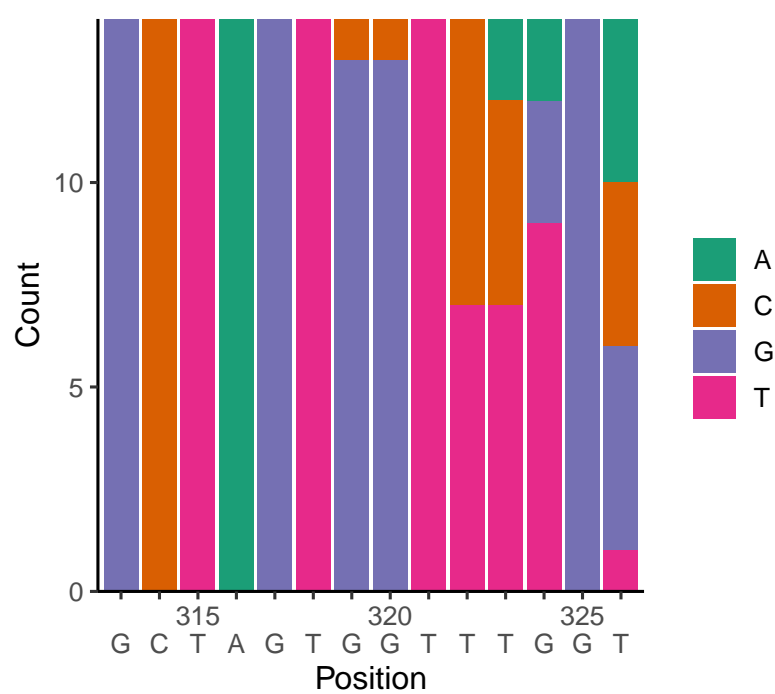
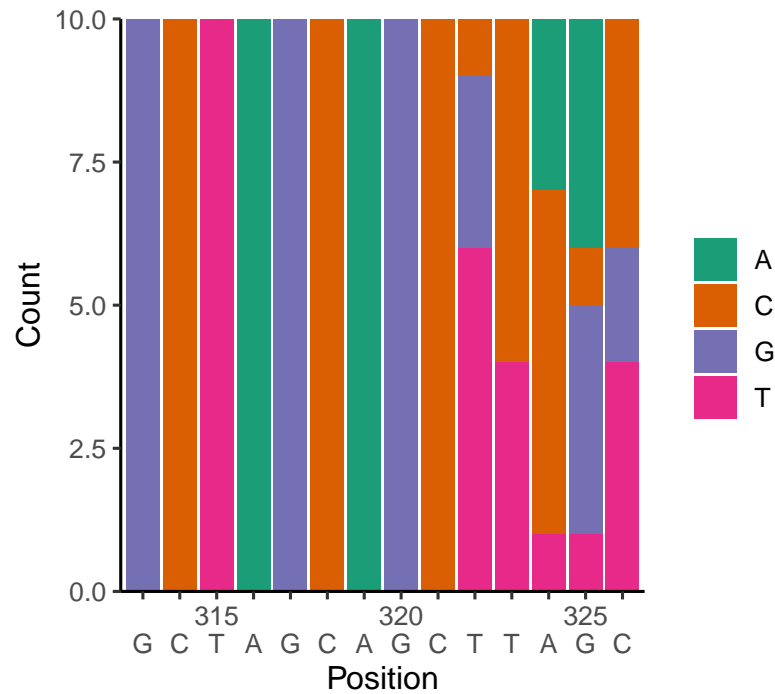


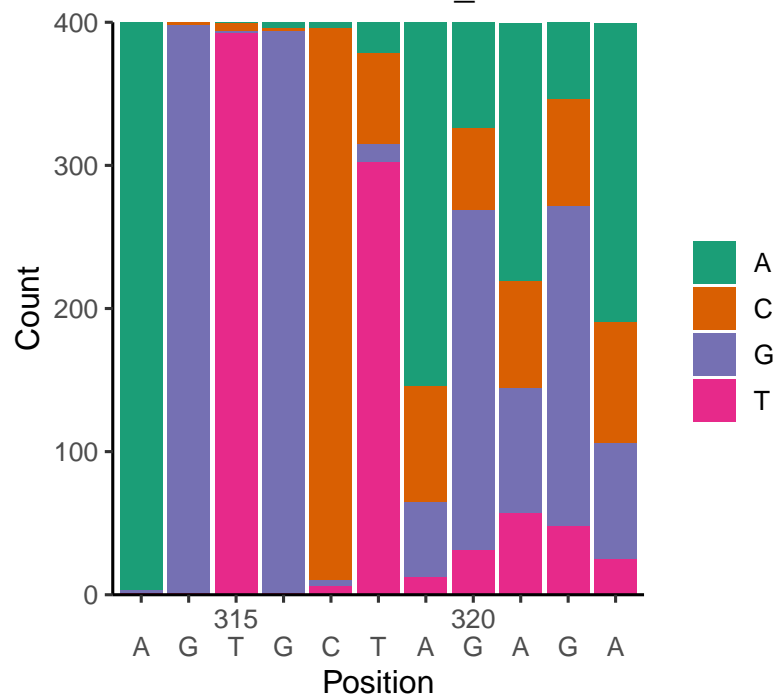
Gene TRBV12-5\*01\_C28G



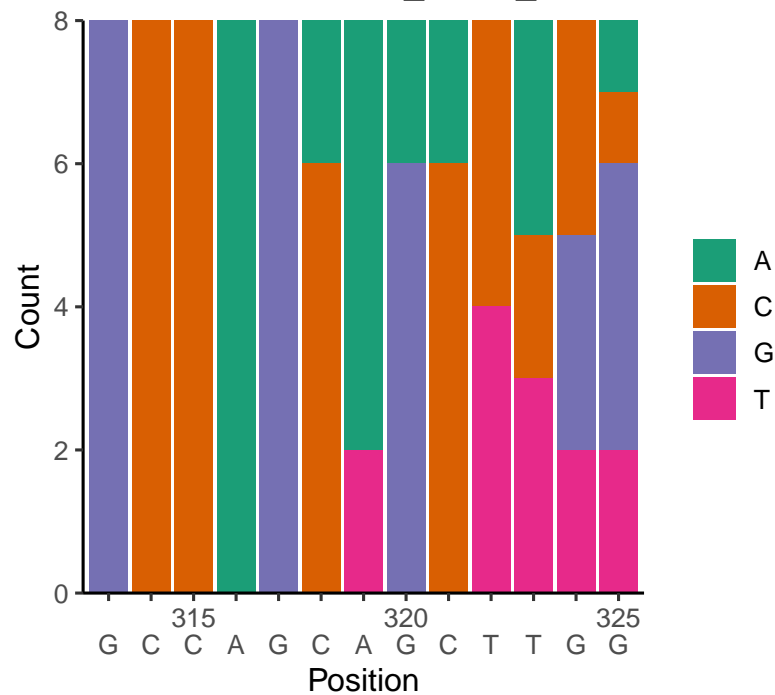
Gene TRBV7-7\*01\_C315T



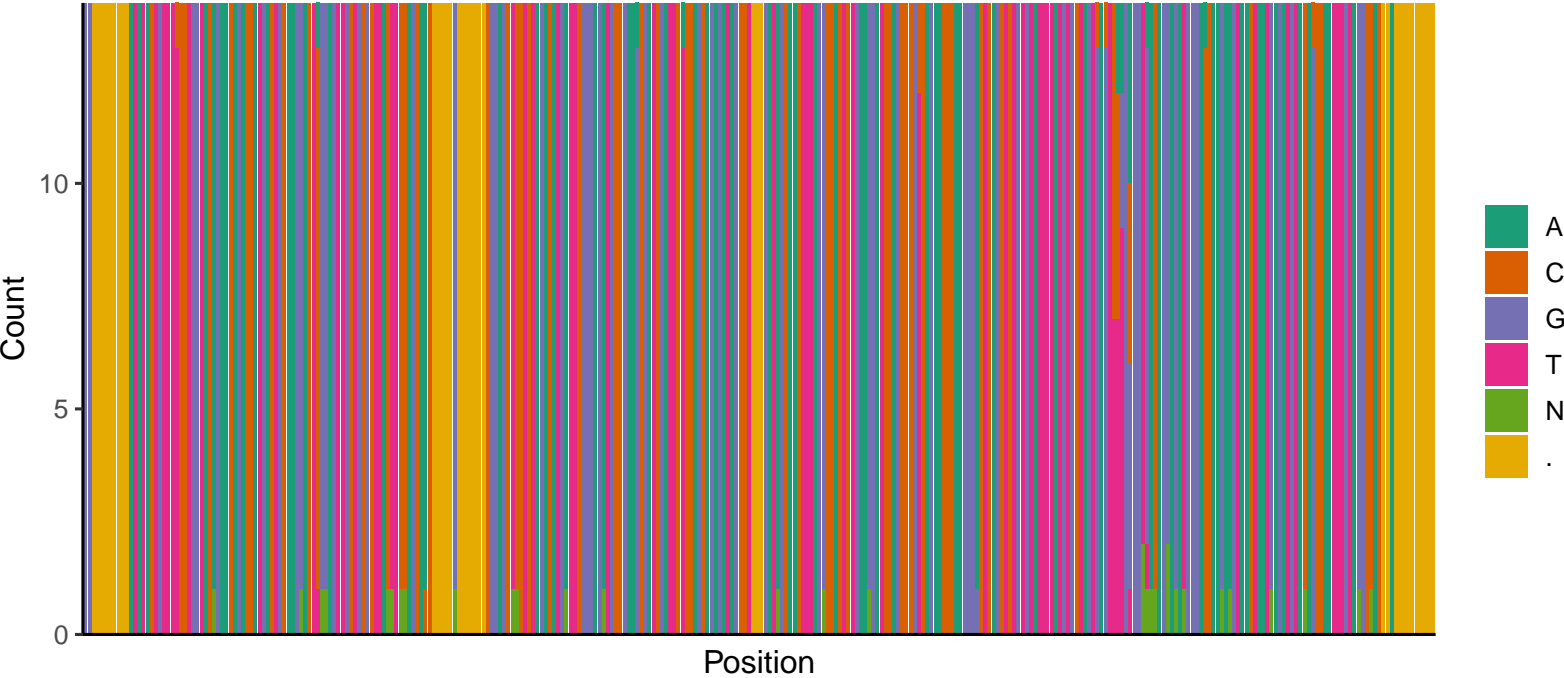
Gene TRBV20-1\*02\_319AGAGA323



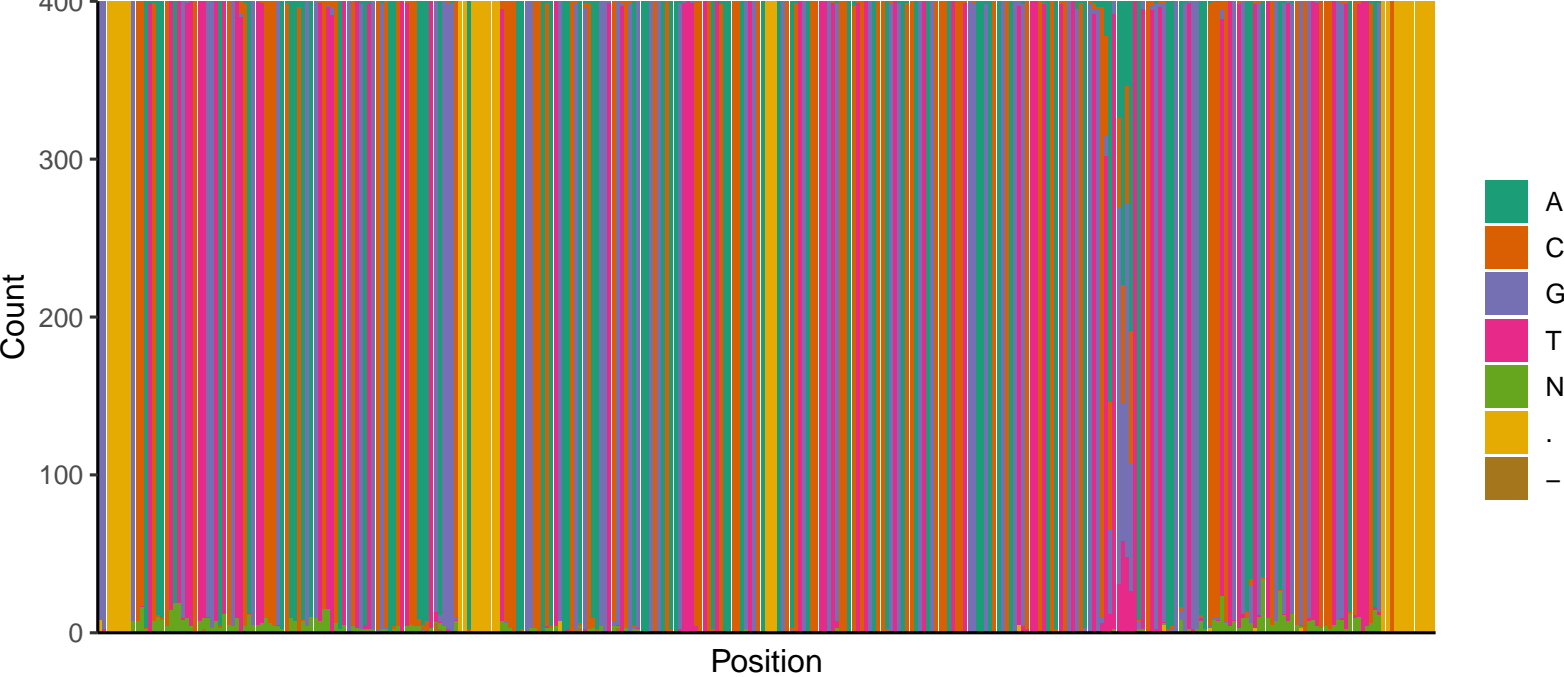
Gene TRBV5-8\*01\_C56T\_C276T



Gene TRBV12-5\*01\_C28G



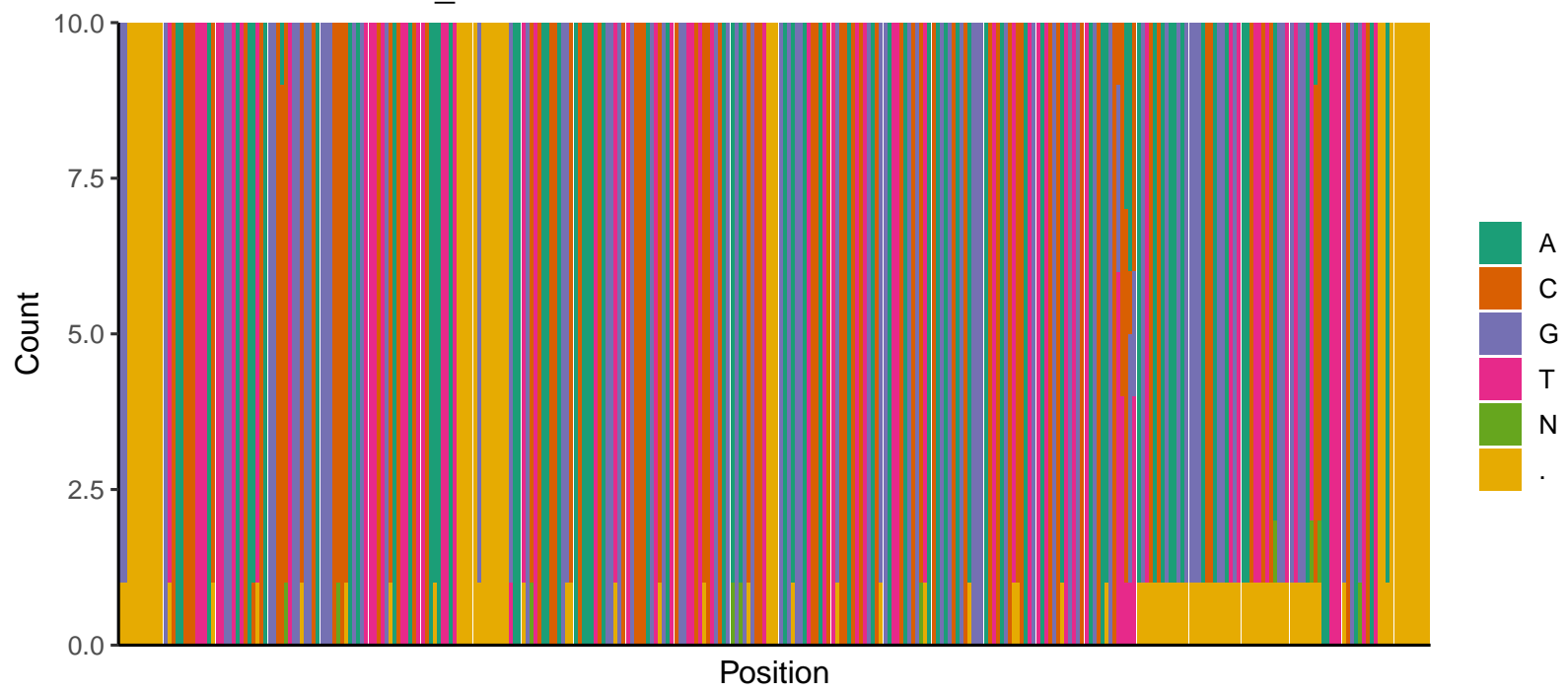
Gene TRBV20-1\*02\_319AGAGA323



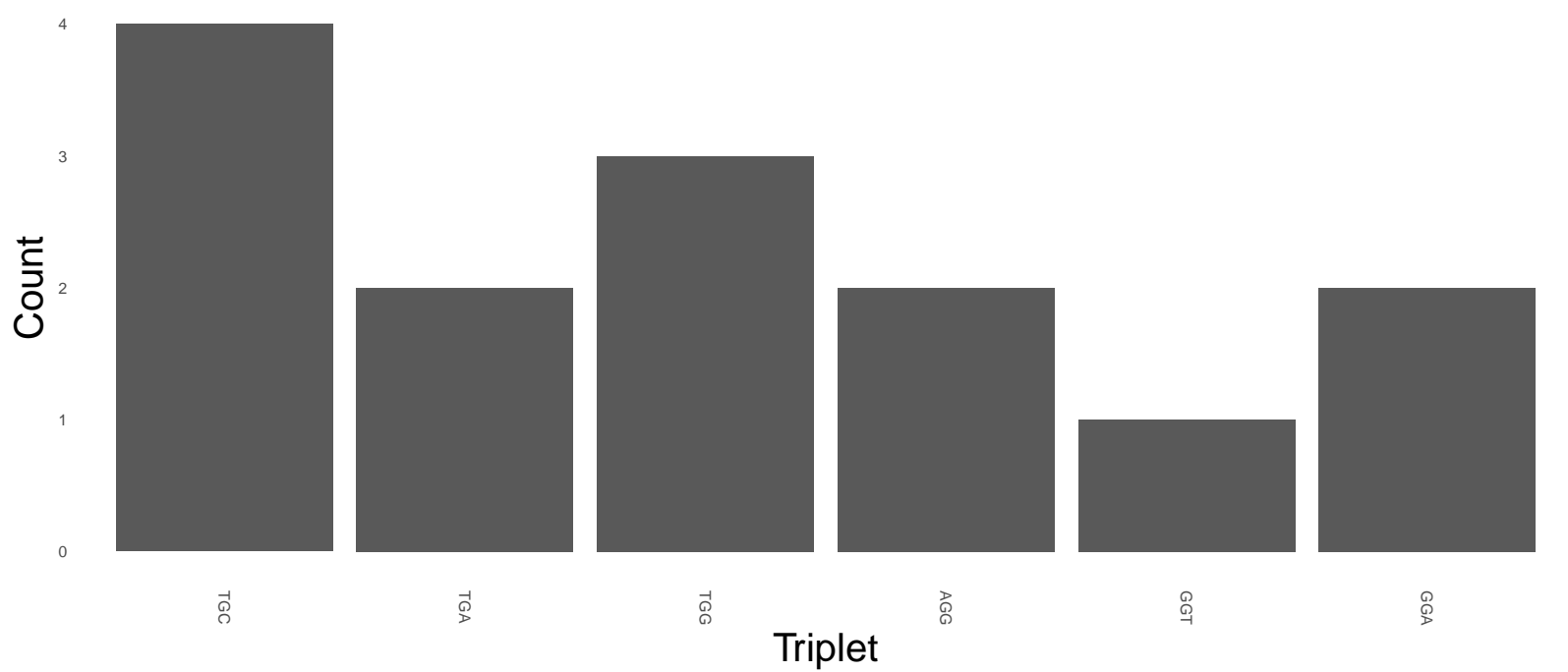
Gene TRBV5-8\*01\_C56T\_C276T



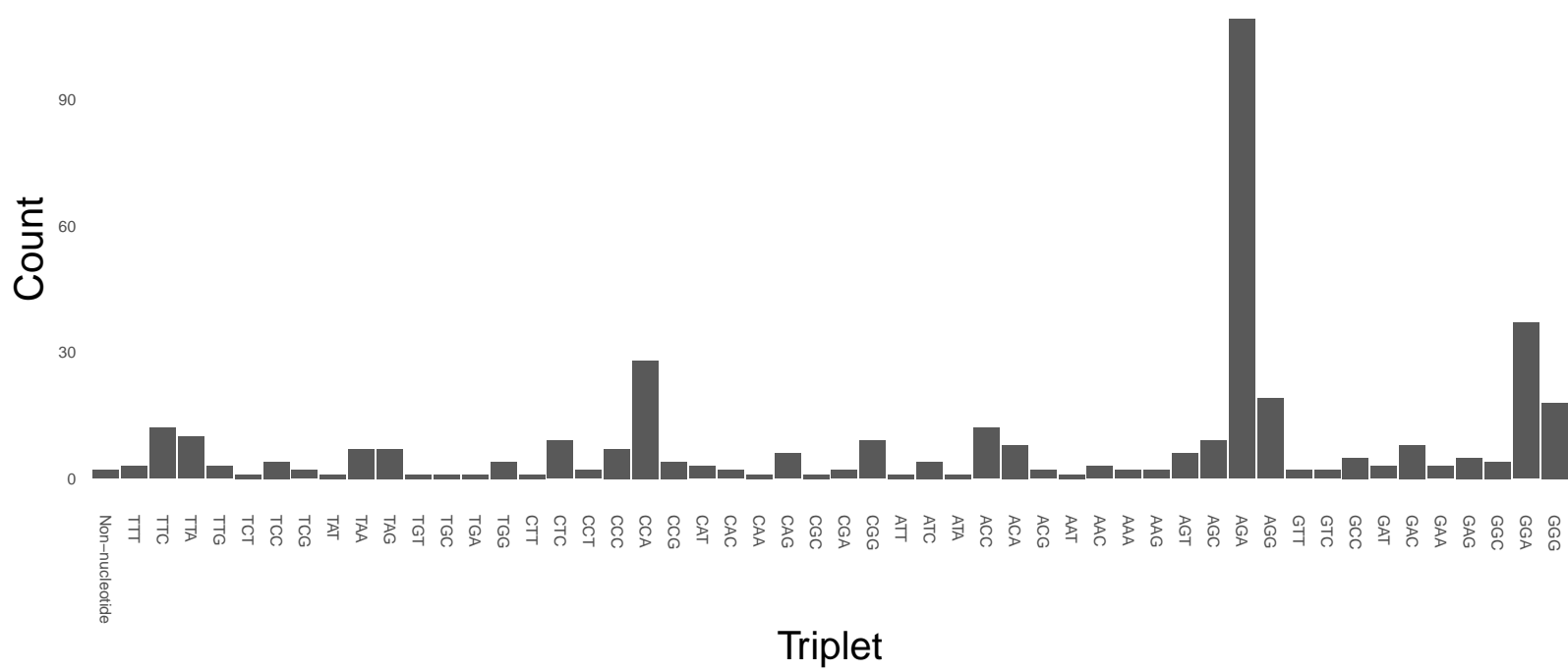
Gene TRBV7-7\*01\_C315T



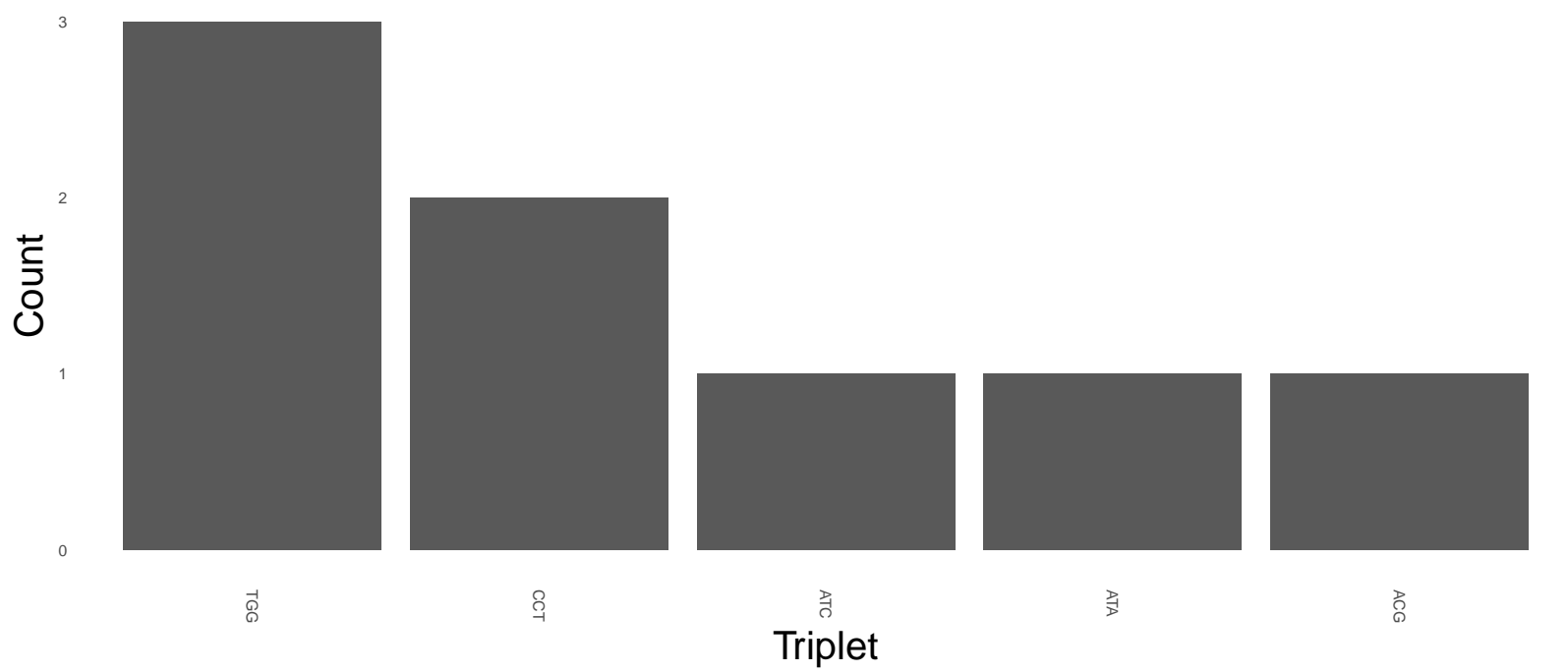
TRBV12-5\*01\_C28G- Final 3 nucleotides as a triplet



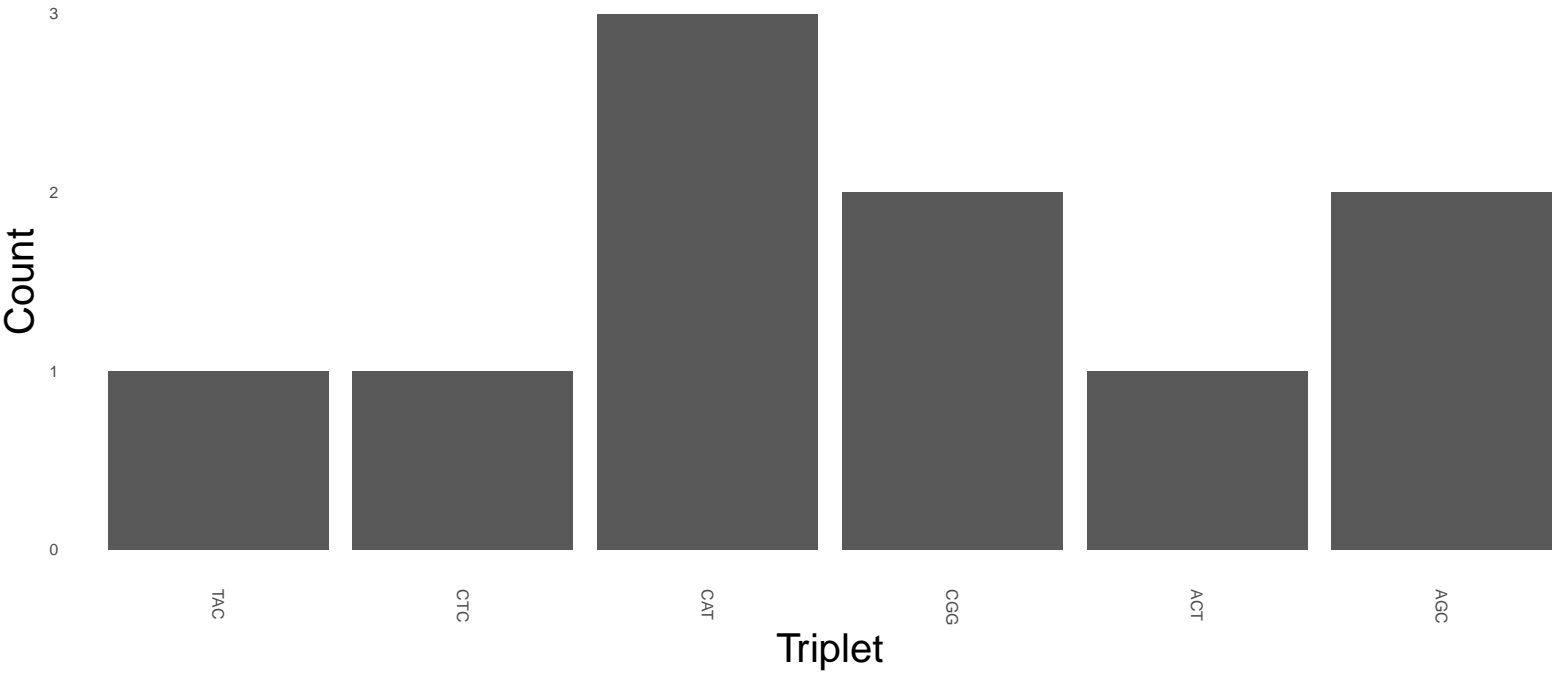
TRBV20-1\*02\_319AGAGA323- Final 3 nucleotides as a triplet



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

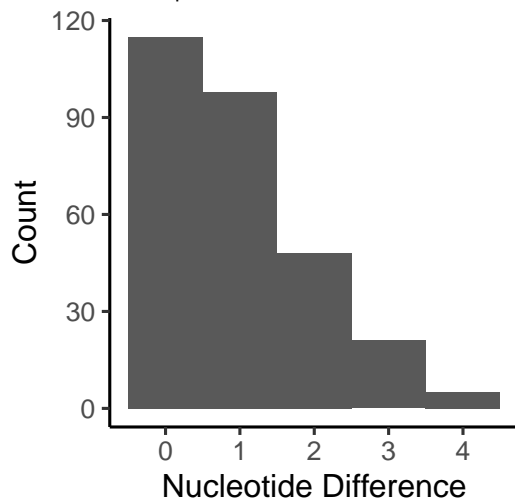


TRBV7-7\*01\_C315T- Final 3 nucleotides as a triplet



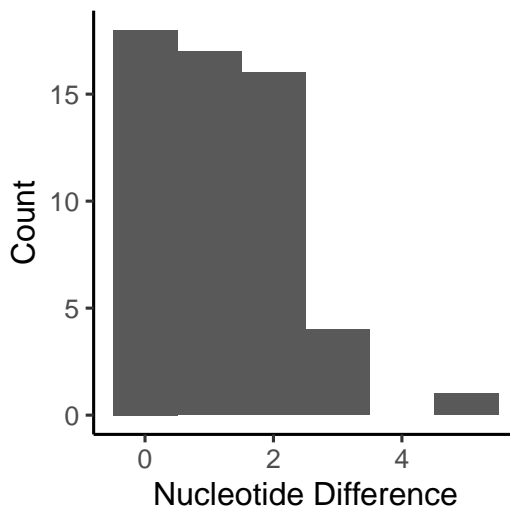
### TRBV20–1\*01

287 sequences assigned  
115 (40.1%) exact matches, in which:  
92 unique CDR3  
11 unique J



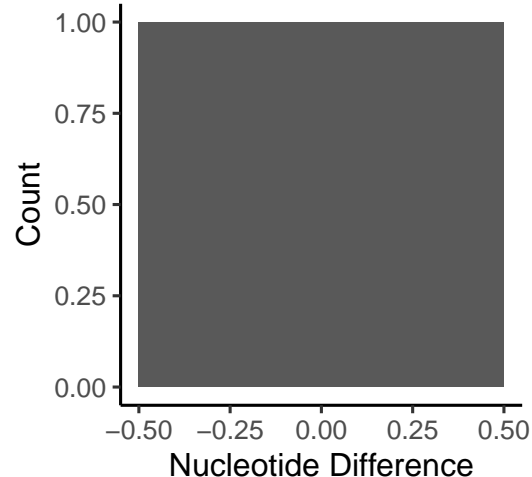
### TRBV10–2\*01

56 sequences assigned  
18 (32.1%) exact matches, in which:  
12 unique CDR3  
7 unique J



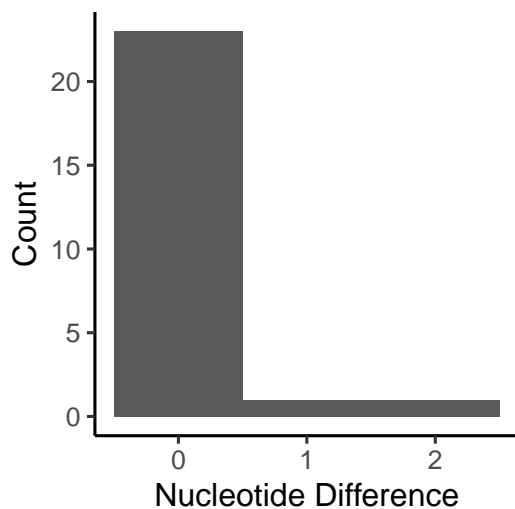
### TRBV1\*01

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



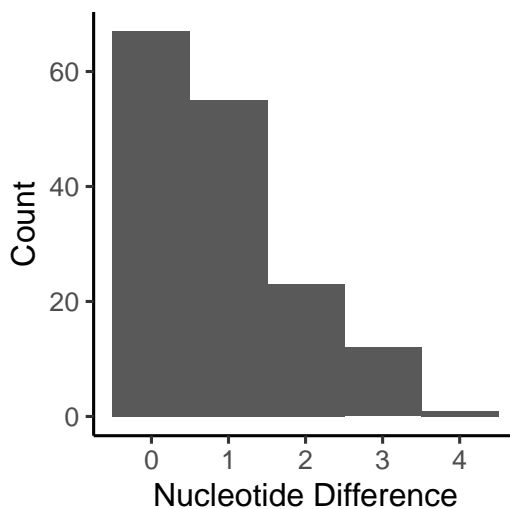
### TRBV10–1\*01

25 sequences assigned  
23 (92%) exact matches, in which:  
21 unique CDR3  
9 unique J



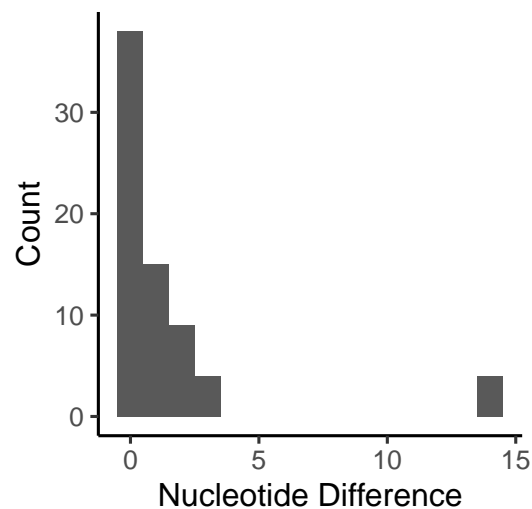
### TRBV10–3\*01

158 sequences assigned  
67 (42.4%) exact matches, in which:  
38 unique CDR3  
10 unique J



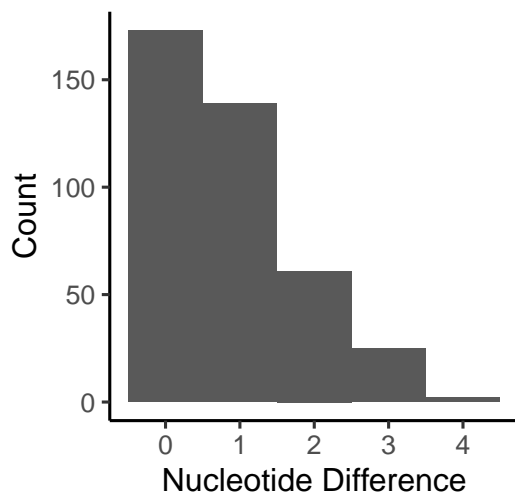
### TRBV13\*01

70 sequences assigned  
38 (54.3%) exact matches, in which:  
37 unique CDR3  
10 unique J



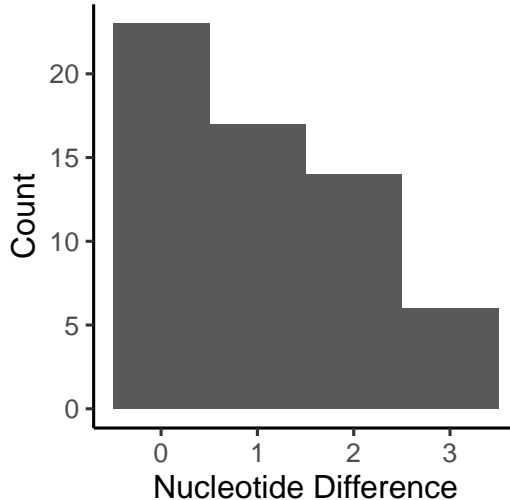
### TRBV20–1\*02\_319AGAG

400 sequences assigned  
173 (43.2%) exact matches, in which:  
133 unique CDR3  
13 unique J



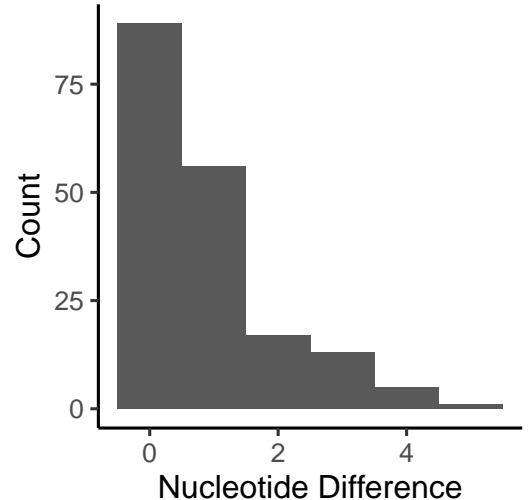
### TRBV10–3\*02

60 sequences assigned  
23 (38.3%) exact matches, in which:  
23 unique CDR3  
9 unique J



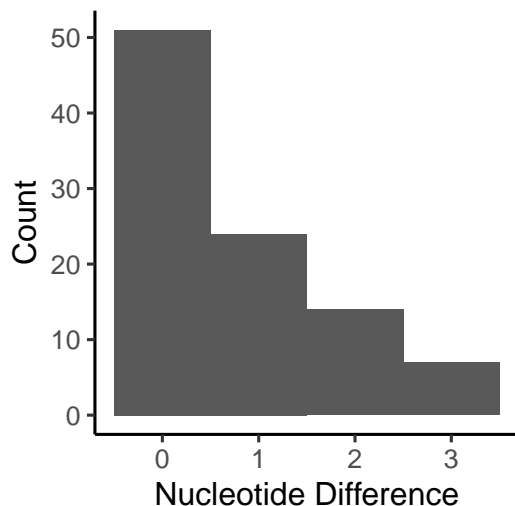
### TRBV14\*01

181 sequences assigned  
89 (49.2%) exact matches, in which:  
75 unique CDR3  
14 unique J



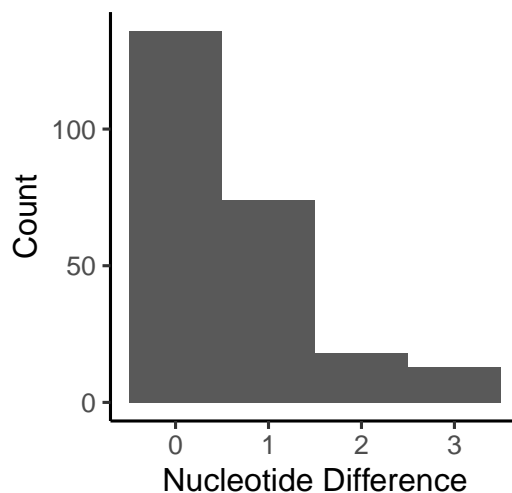
## TRBV15\*02

96 sequences assigned  
51 (53.1%) exact matches, in which:  
49 unique CDR3  
13 unique J



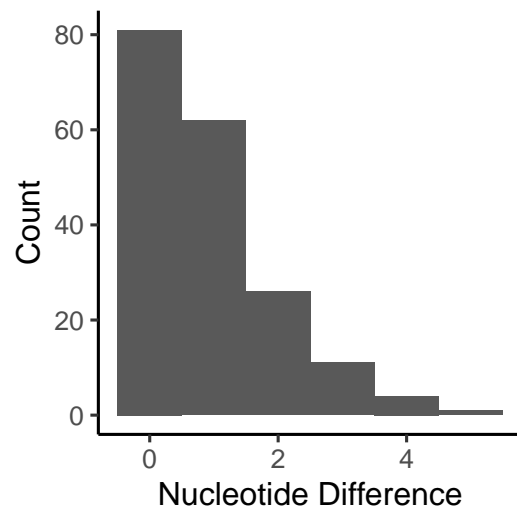
## TRBV19\*01

241 sequences assigned  
136 (56.4%) exact matches, in which:  
111 unique CDR3  
13 unique J



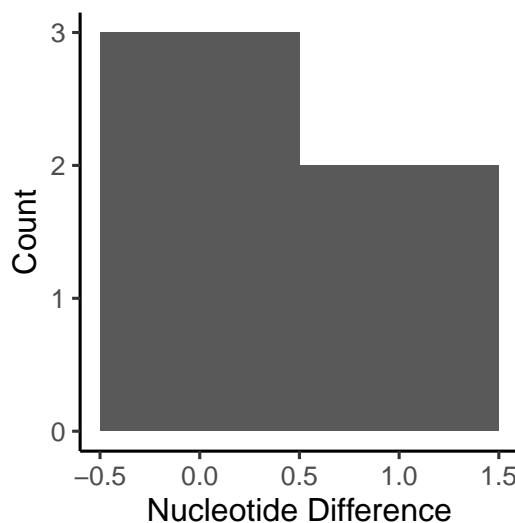
## TRBV28\*01

185 sequences assigned  
81 (43.8%) exact matches, in which:  
73 unique CDR3  
12 unique J



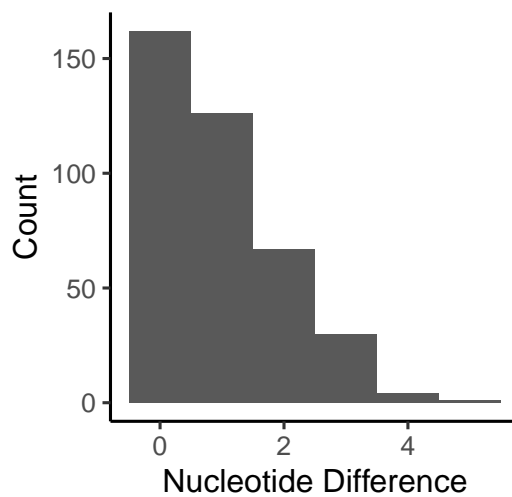
## TRBV16\*01

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



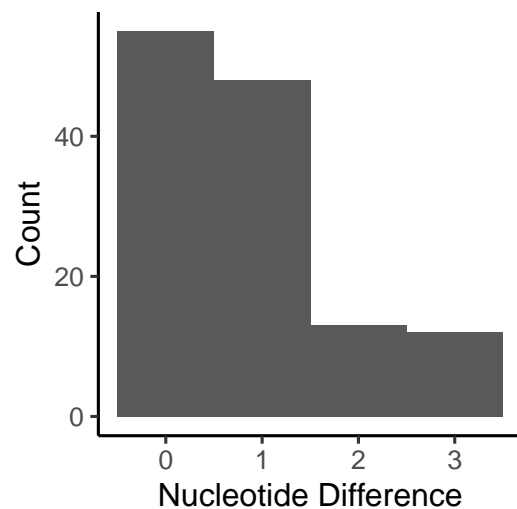
## TRBV2\*01

391 sequences assigned  
162 (41.4%) exact matches, in which:  
133 unique CDR3  
12 unique J



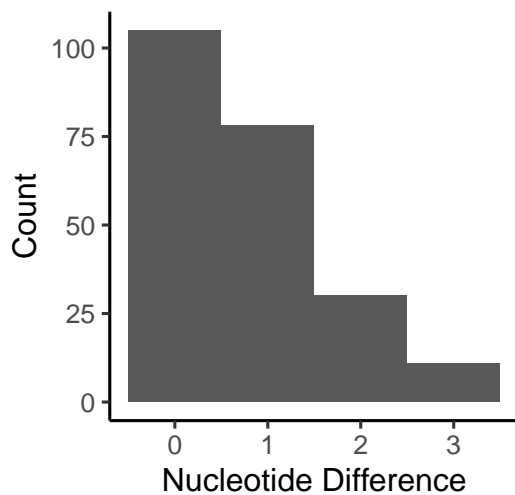
## TRBV30\*01

128 sequences assigned  
55 (43%) exact matches, in which:  
42 unique CDR3  
10 unique J



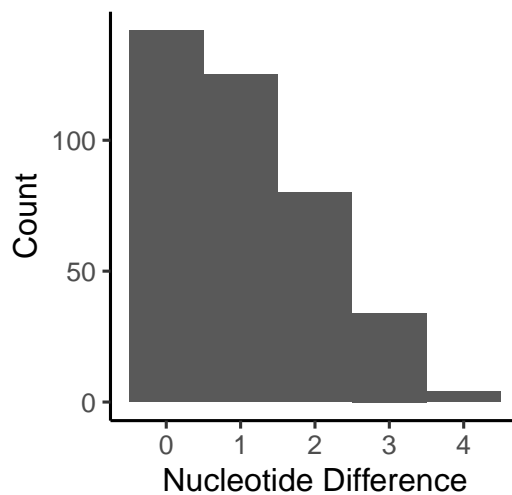
## TRBV18\*01

224 sequences assigned  
105 (46.9%) exact matches, in which:  
77 unique CDR3  
14 unique J



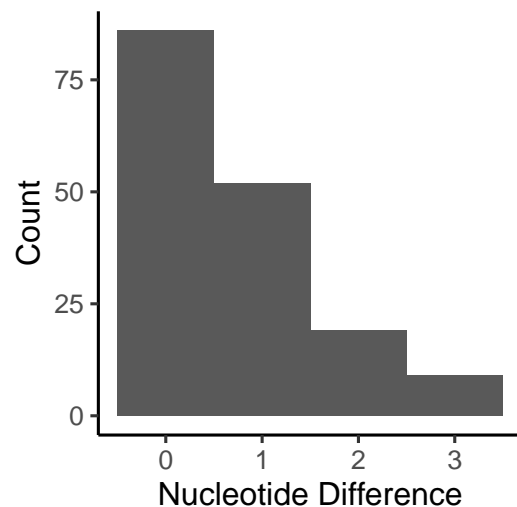
## TRBV27\*01

385 sequences assigned  
142 (36.9%) exact matches, in which:  
109 unique CDR3  
14 unique J



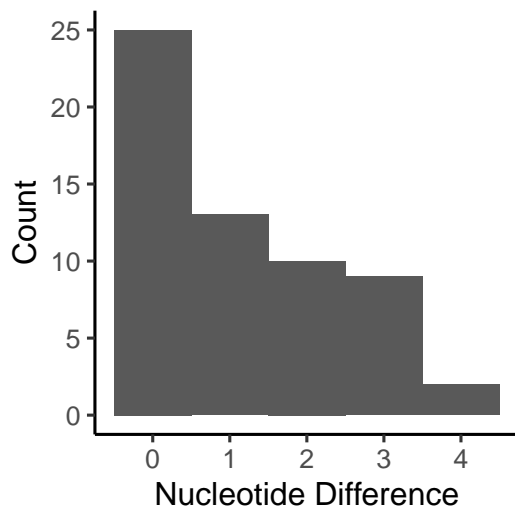
## TRBV9\*01

166 sequences assigned  
86 (51.8%) exact matches, in which:  
73 unique CDR3  
13 unique J



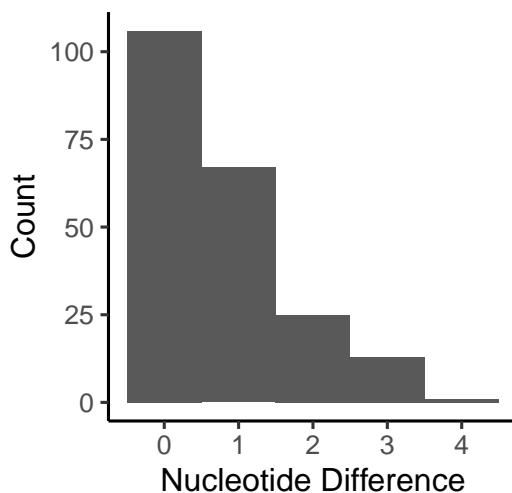
### TRBV21-1\*01

59 sequences assigned  
25 (42.4%) exact matches, in which:  
19 unique CDR3  
9 unique J



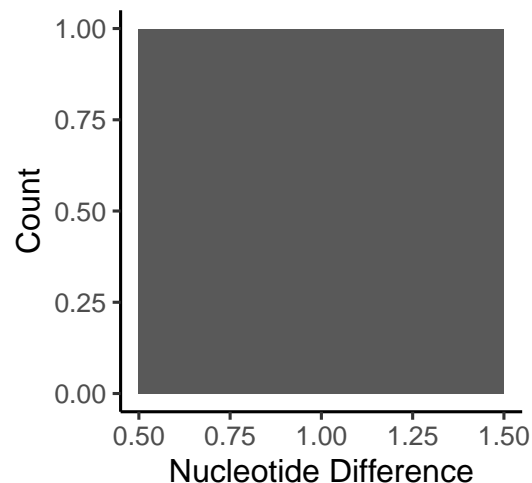
### TRBV11-2\*01

212 sequences assigned  
106 (50%) exact matches, in which:  
100 unique CDR3  
13 unique J



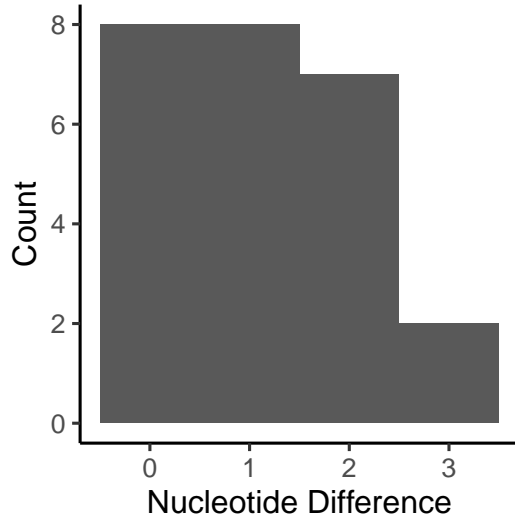
### TRBV12-2\*01

1 sequences assigned  
No exact matches.



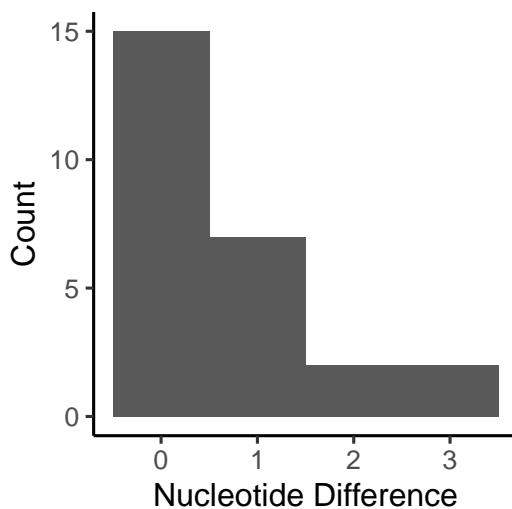
### TRBV11-1\*01

25 sequences assigned  
8 (32%) exact matches, in which:  
4 unique CDR3  
4 unique J



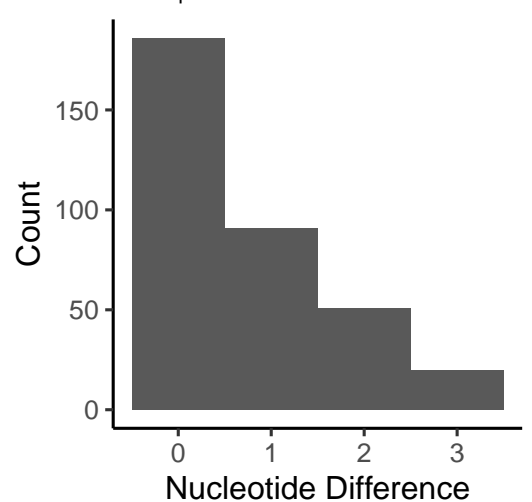
### TRBV11-3\*01

26 sequences assigned  
15 (57.7%) exact matches, in which:  
12 unique CDR3  
6 unique J



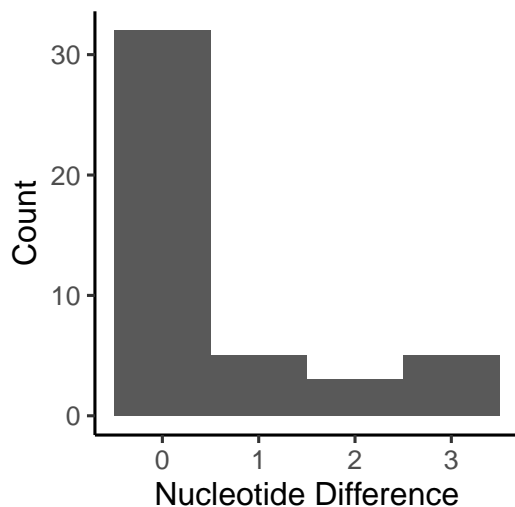
### TRBV12-3\*01

348 sequences assigned  
186 (53.4%) exact matches, in which:  
153 unique CDR3  
13 unique J



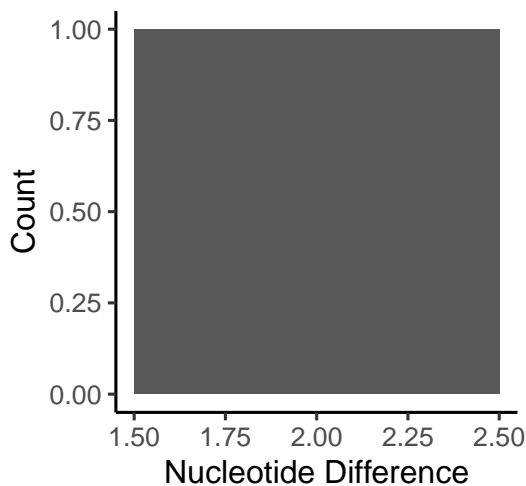
### TRBV21-1\*02

45 sequences assigned  
32 (71.1%) exact matches, in which:  
31 unique CDR3  
12 unique J



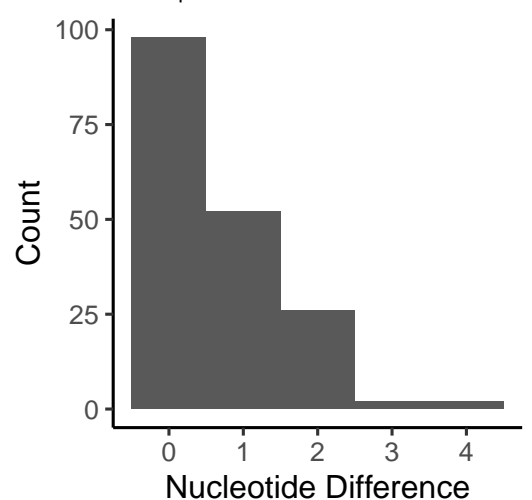
### TRBV12-1\*01

1 sequences assigned  
No exact matches.



### TRBV12-4\*01

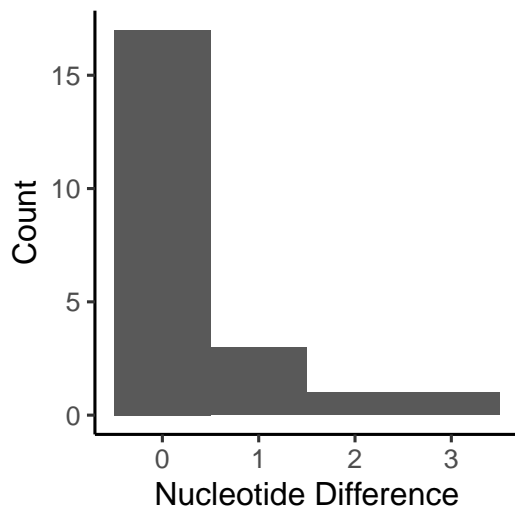
180 sequences assigned  
98 (54.4%) exact matches, in which:  
93 unique CDR3  
13 unique J





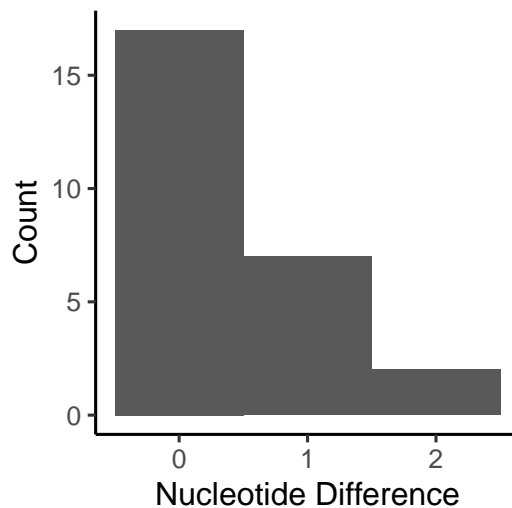
### TRBV12-5\*01

22 sequences assigned  
17 (77.3%) exact matches, in which:  
17 unique CDR3  
9 unique J



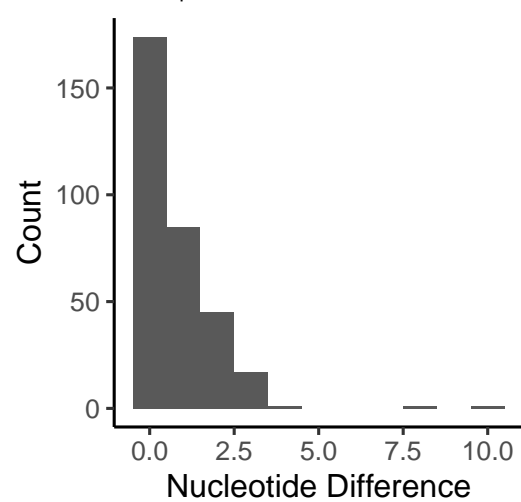
### TRBV23-1\*01

26 sequences assigned  
17 (65.4%) exact matches, in which:  
17 unique CDR3  
7 unique J



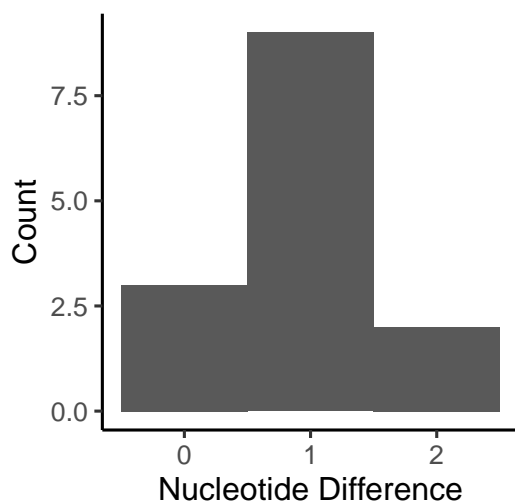
### TRBV4-1\*01

324 sequences assigned  
174 (53.7%) exact matches, in which:  
158 unique CDR3  
13 unique J



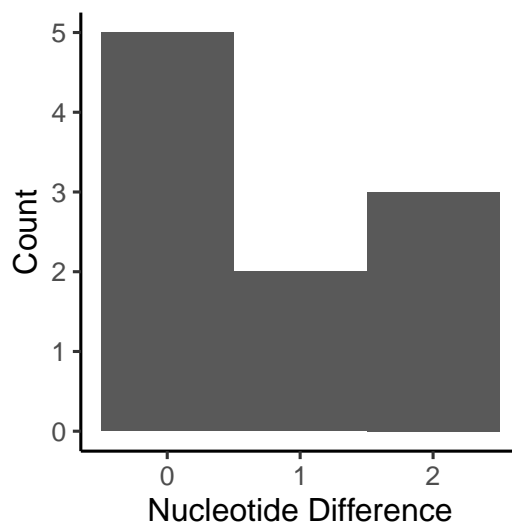
### TRBV12-5\*01\_C28G

14 sequences assigned  
3 (21.4%) exact matches, in which:  
2 unique CDR3  
2 unique J



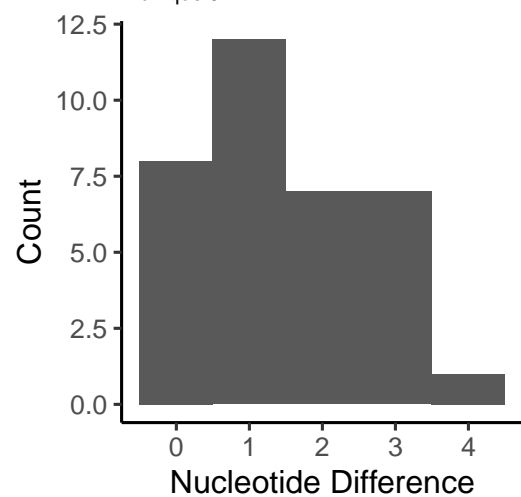
### TRBV3-2\*01

10 sequences assigned  
5 (50%) exact matches, in which:  
4 unique CDR3  
3 unique J



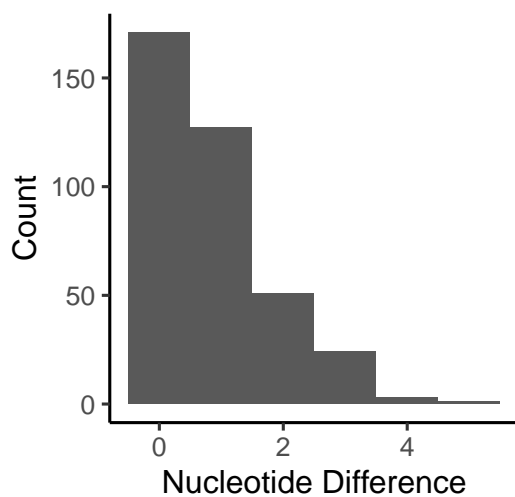
### TRBV24-1\*02

35 sequences assigned  
8 (22.9%) exact matches, in which:  
8 unique CDR3  
4 unique J



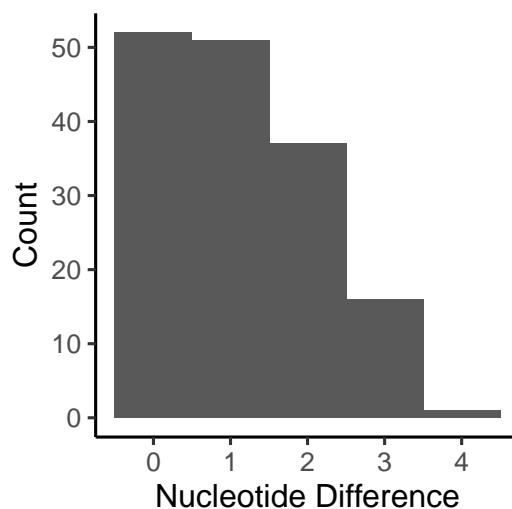
### TRBV3-1\*01

377 sequences assigned  
171 (45.4%) exact matches, in which:  
139 unique CDR3  
14 unique J



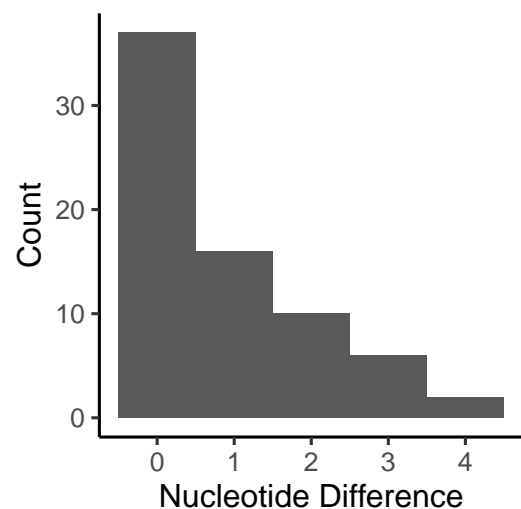
### TRBV24-1\*01

157 sequences assigned  
52 (33.1%) exact matches, in which:  
25 unique CDR3  
7 unique J



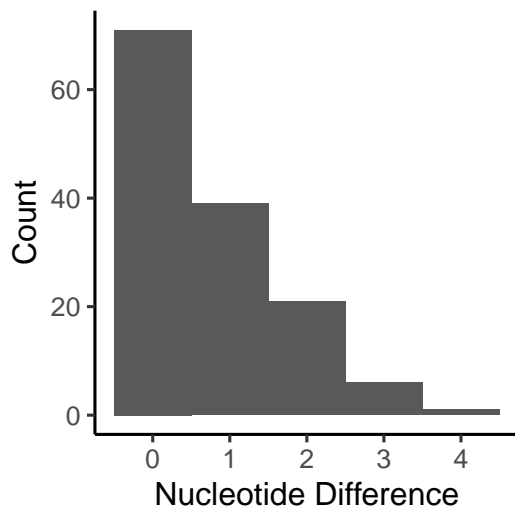
### TRBV4-2\*01

71 sequences assigned  
37 (52.1%) exact matches, in which:  
37 unique CDR3  
11 unique J



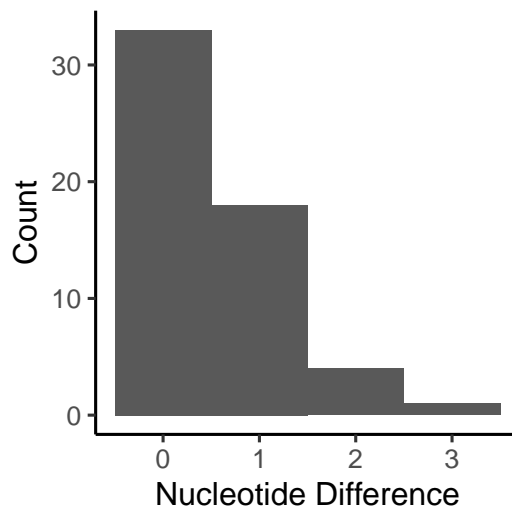
### TRBV4-3\*01

138 sequences assigned  
71 (51.4%) exact matches, in which:  
60 unique CDR3  
13 unique J



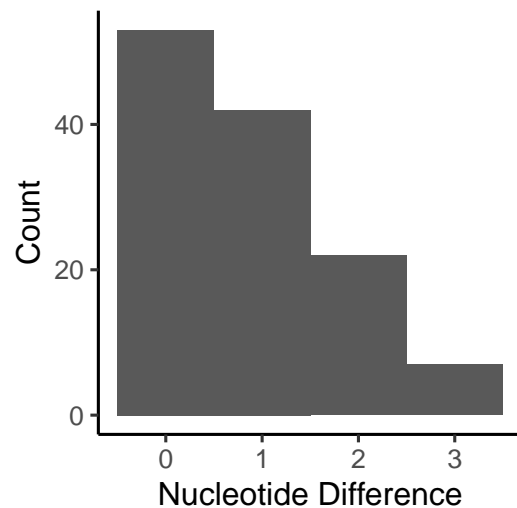
### TRBV5-4\*01

56 sequences assigned  
33 (58.9%) exact matches, in which:  
30 unique CDR3  
10 unique J



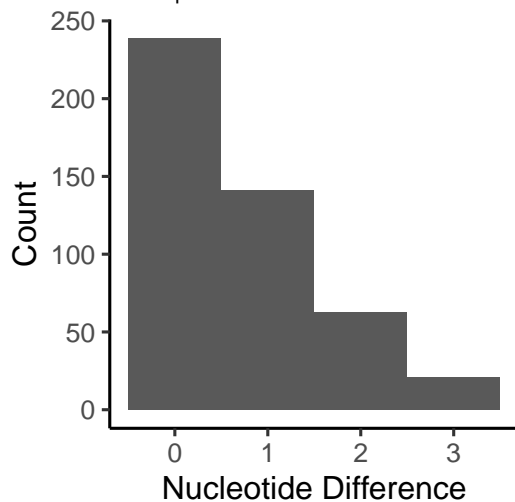
### TRBV5-6\*01

124 sequences assigned  
53 (42.7%) exact matches, in which:  
44 unique CDR3  
13 unique J



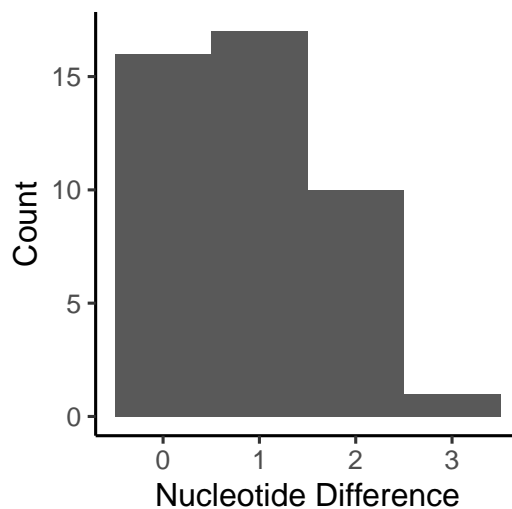
### TRBV5-1\*01

464 sequences assigned  
239 (51.5%) exact matches, in which:  
196 unique CDR3  
14 unique J



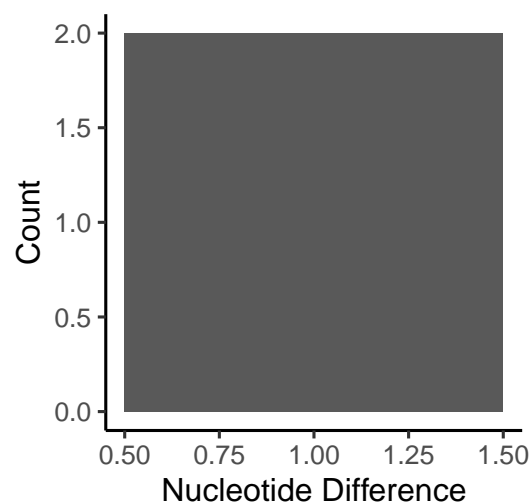
### TRBV5-5\*01

44 sequences assigned  
16 (36.4%) exact matches, in which:  
16 unique CDR3  
10 unique J



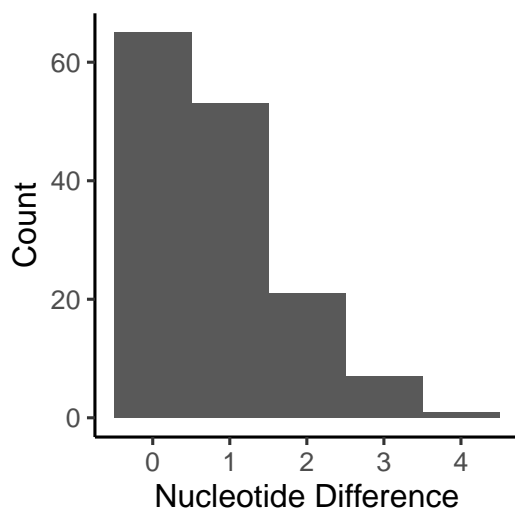
### TRBV5-7\*01

2 sequences assigned  
No exact matches.



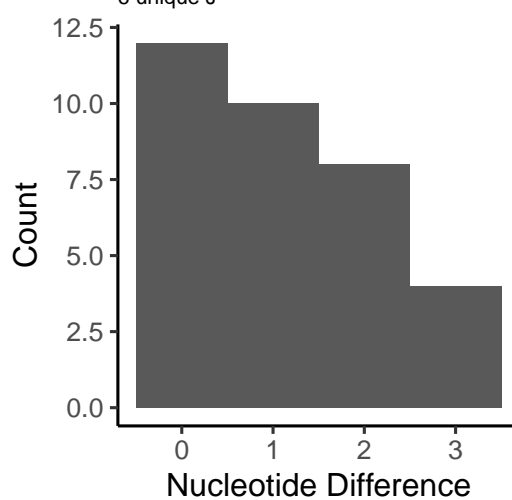
### TRBV25-1\*01

147 sequences assigned  
65 (44.2%) exact matches, in which:  
37 unique CDR3  
12 unique J



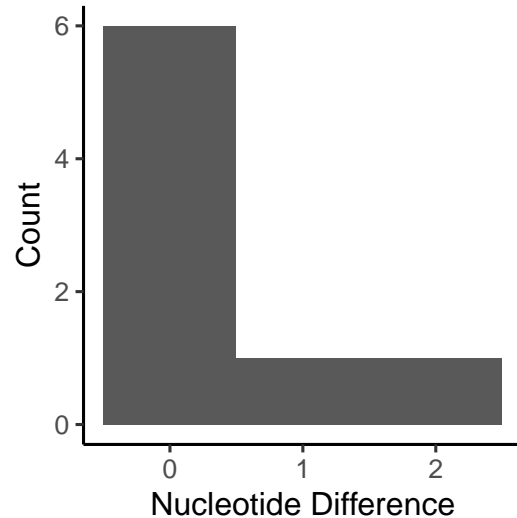
### TRBV5-5\*02

34 sequences assigned  
12 (35.3%) exact matches, in which:  
8 unique CDR3  
6 unique J



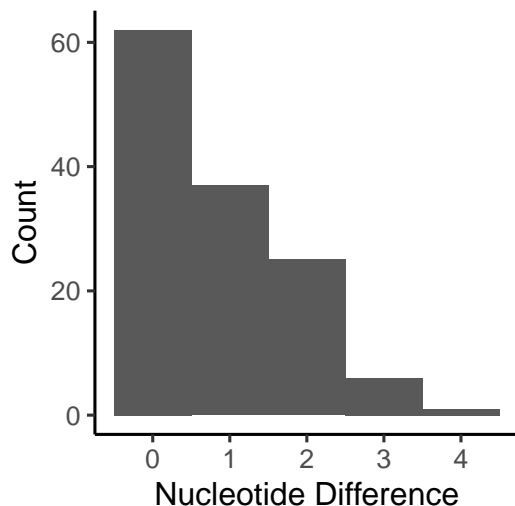
### TRBV5-8\*01\_C56T\_C276T

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



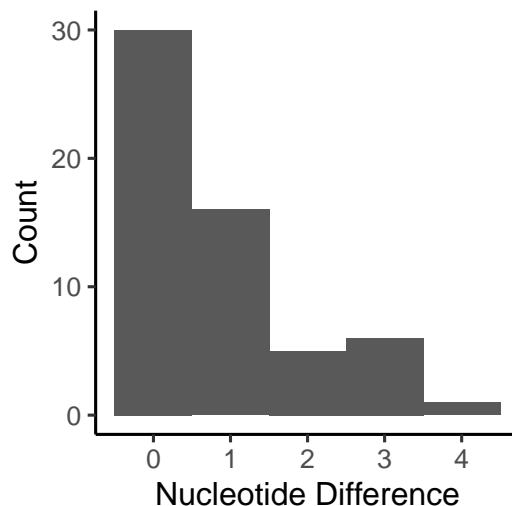
### TRBV6-1\*01

131 sequences assigned  
62 (47.3%) exact matches, in which:  
52 unique CDR3  
12 unique J



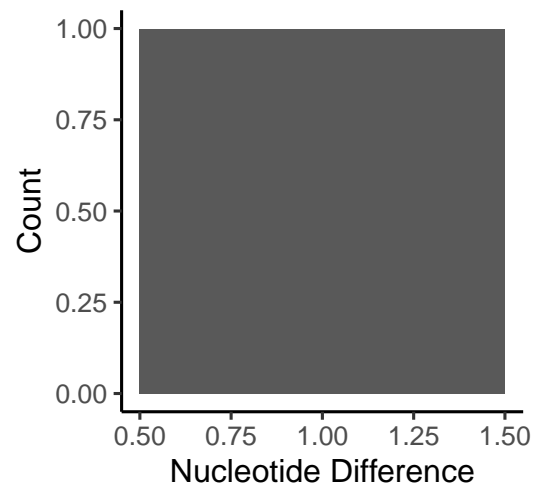
### TRBV6-6\*01

58 sequences assigned  
30 (51.7%) exact matches, in which:  
29 unique CDR3  
10 unique J



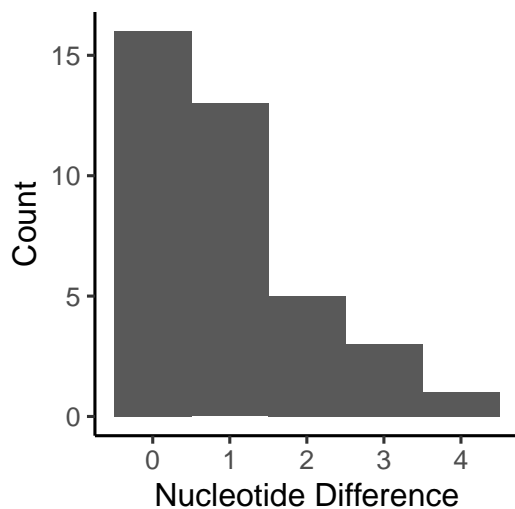
### TRBV6-8\*01

1 sequences assigned  
No exact matches.



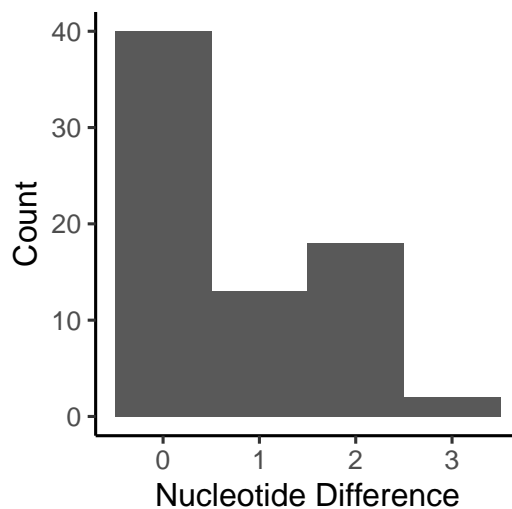
### TRBV6-4\*01

38 sequences assigned  
16 (42.1%) exact matches, in which:  
14 unique CDR3  
5 unique J



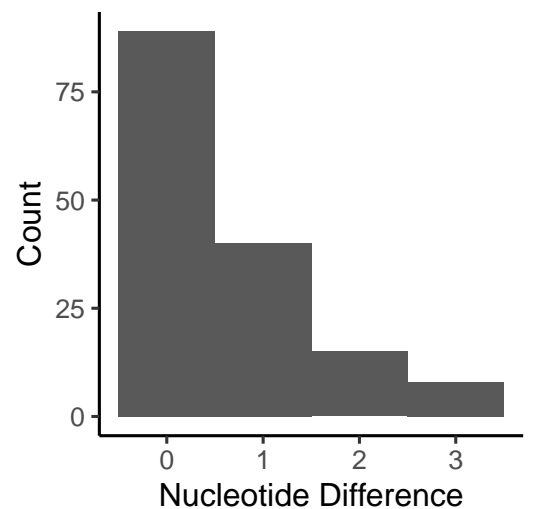
### TRBV6-6\*02

73 sequences assigned  
40 (54.8%) exact matches, in which:  
36 unique CDR3  
10 unique J



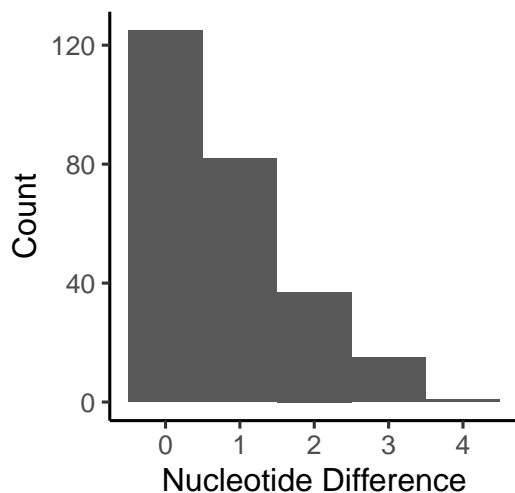
### TRBV6-23\*01

152 sequences assigned  
89 (58.6%) exact matches, in which:  
75 unique CDR3  
12 unique J



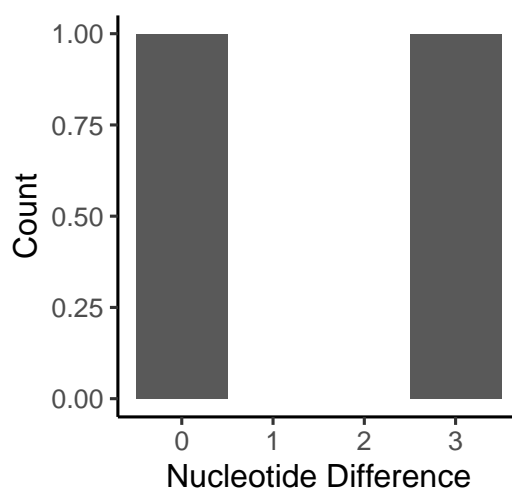
### TRBV6-5\*01

261 sequences assigned  
125 (47.9%) exact matches, in which:  
91 unique CDR3  
14 unique J



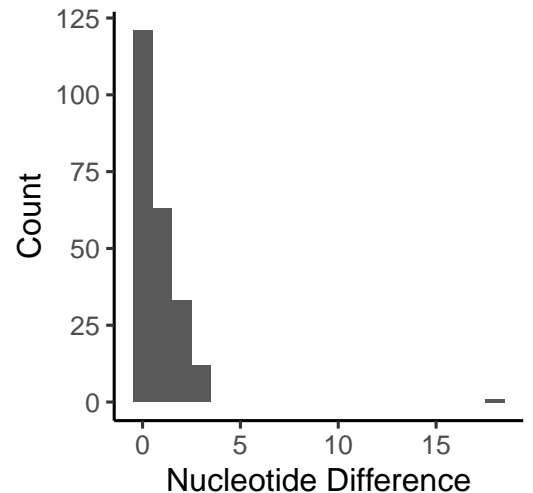
### TRBV6-7\*01

2 sequences assigned  
1 (50%) exact matches, in which:  
1 unique CDR3  
1 unique J



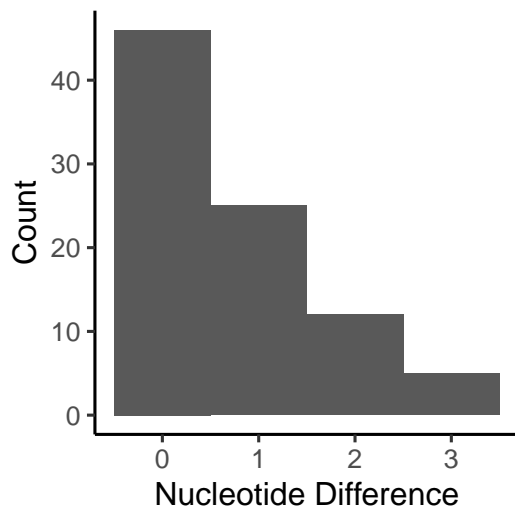
### TRBV7-2\*01

230 sequences assigned  
121 (52.6%) exact matches, in which:  
87 unique CDR3  
12 unique J



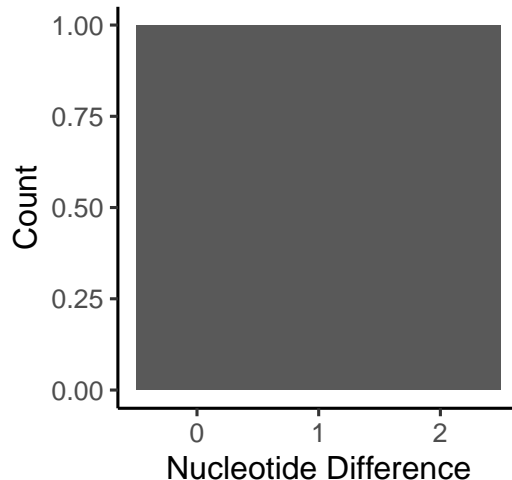
### TRBV7-2\*02

88 sequences assigned  
46 (52.3%) exact matches, in which:  
35 unique CDR3  
10 unique J



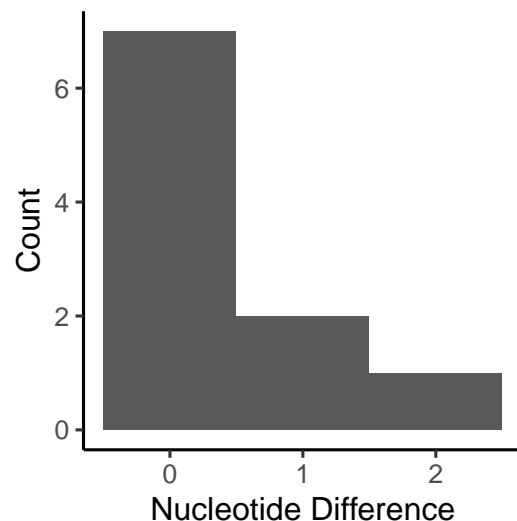
### TRBV7-4\*01

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



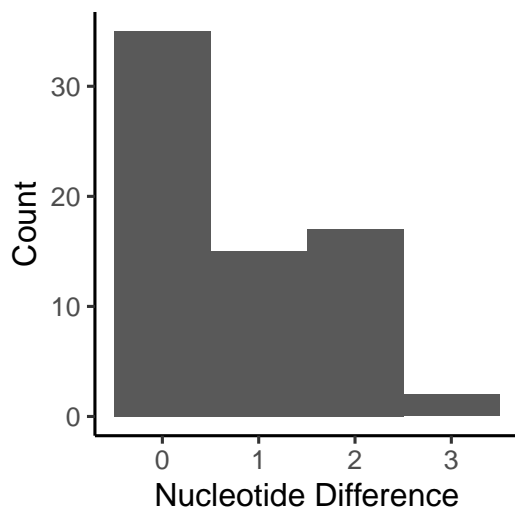
### TRBV7-7\*01\_C315T

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



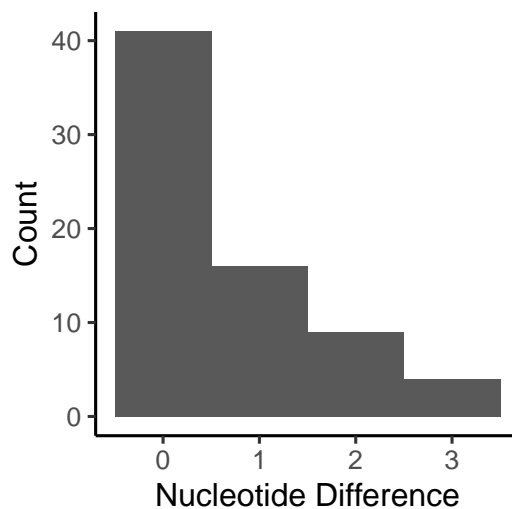
### TRBV7-3\*01

69 sequences assigned  
35 (50.7%) exact matches, in which:  
32 unique CDR3  
9 unique J



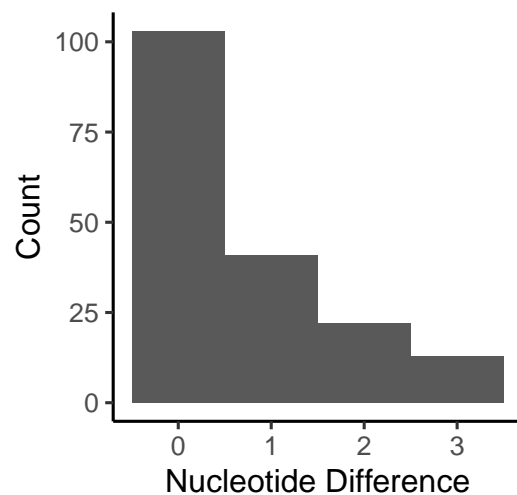
### TRBV7-6\*01

71 sequences assigned  
41 (57.7%) exact matches, in which:  
37 unique CDR3  
10 unique J



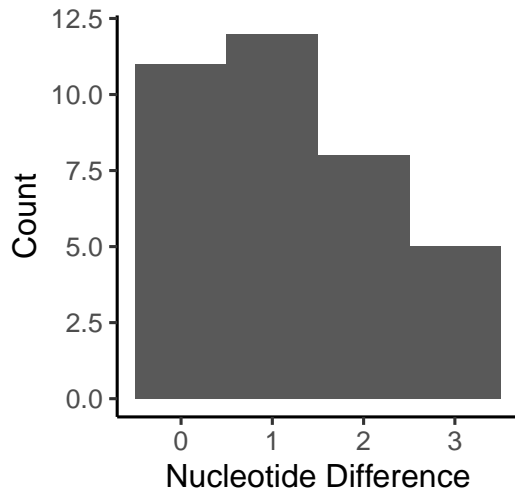
### TRBV7-8\*01

179 sequences assigned  
103 (57.5%) exact matches, in which:  
80 unique CDR3  
12 unique J



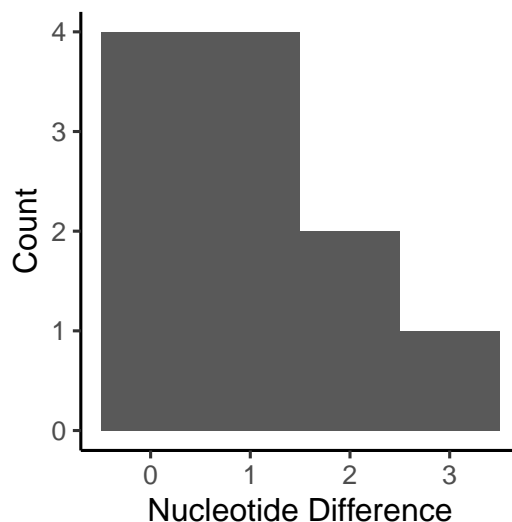
### TRBV7-3\*02

36 sequences assigned  
11 (30.6%) exact matches, in which:  
3 unique CDR3  
3 unique J



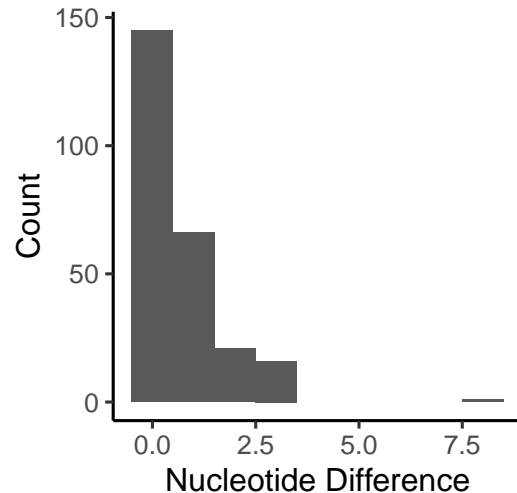
### TRBV7-7\*01

11 sequences assigned  
4 (36.4%) exact matches, in which:  
4 unique CDR3  
2 unique J



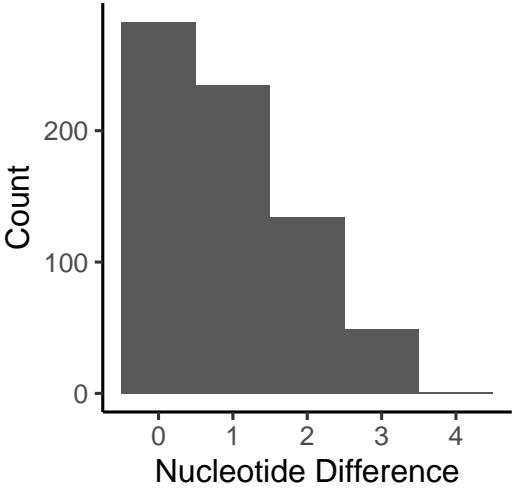
### TRBV7-9\*03

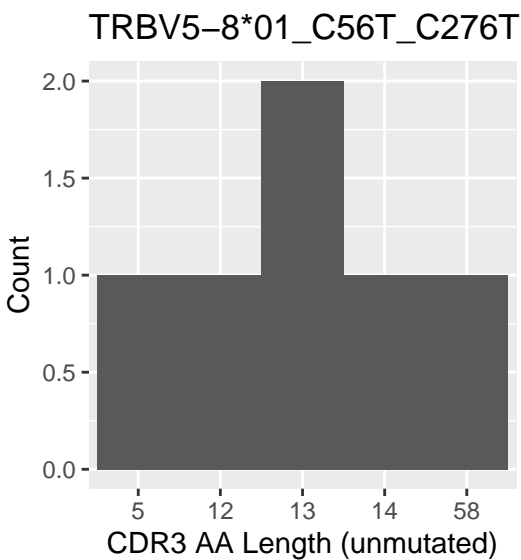
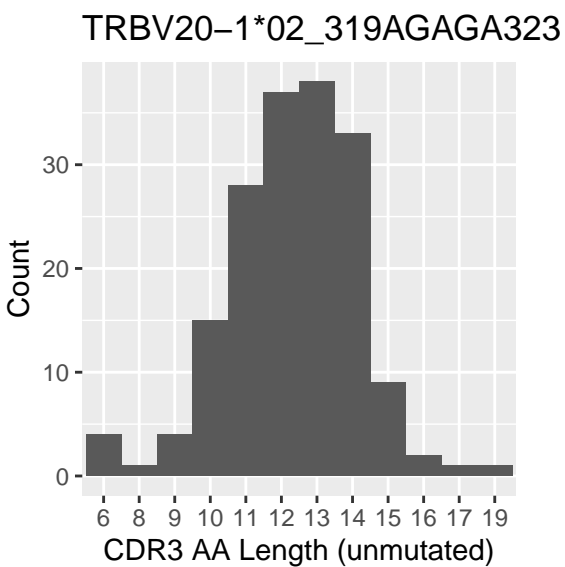
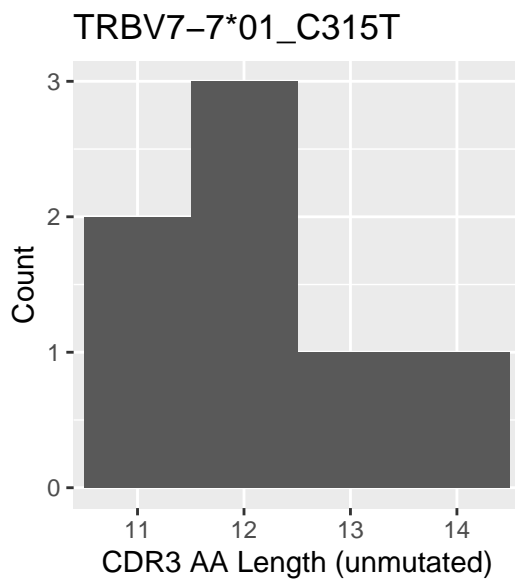
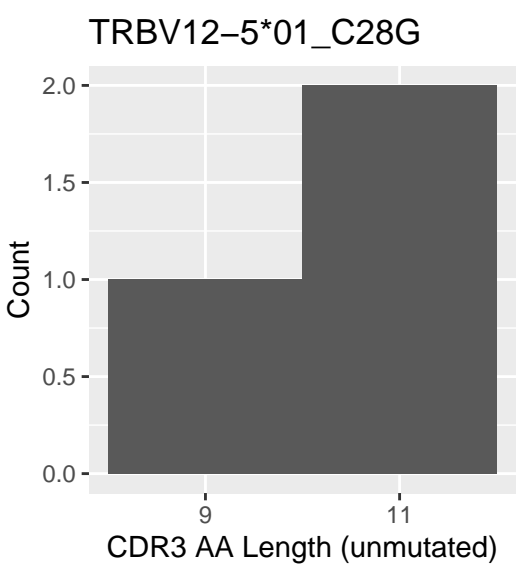
249 sequences assigned  
145 (58.2%) exact matches, in which:  
134 unique CDR3  
13 unique J

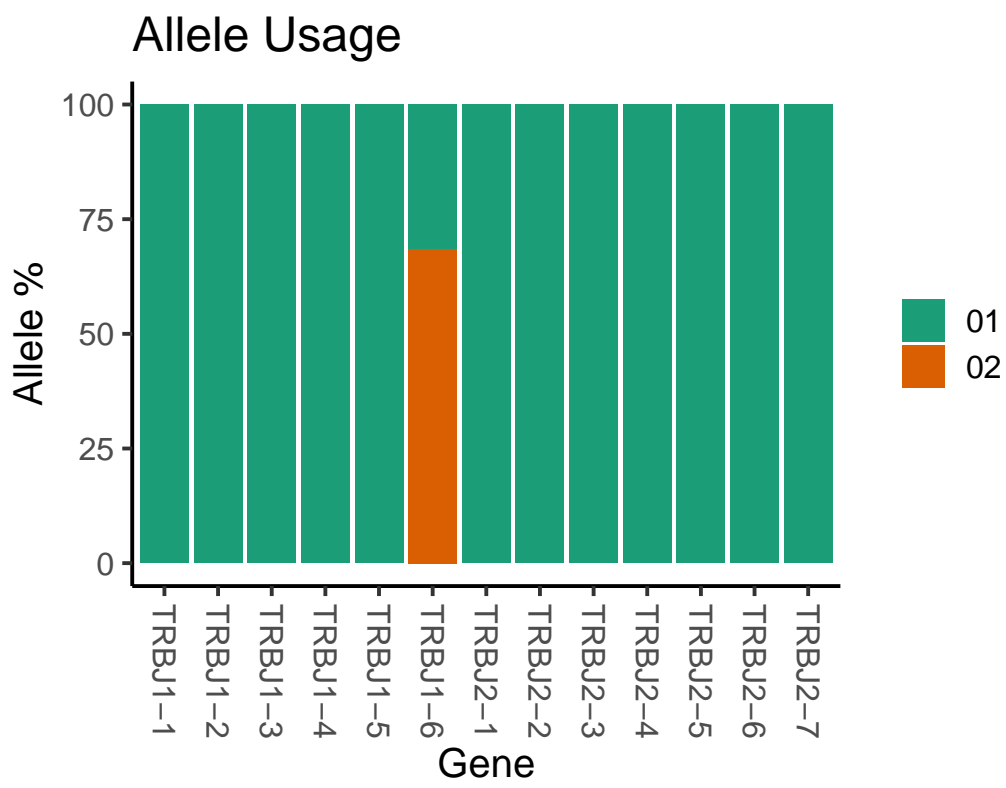


# TRBV29-1\*01

703 sequences assigned  
283 (40.3%) exact matches, in which:  
216 unique CDR3  
13 unique J







Sequence Count by TRBJ1–6 allele usage

