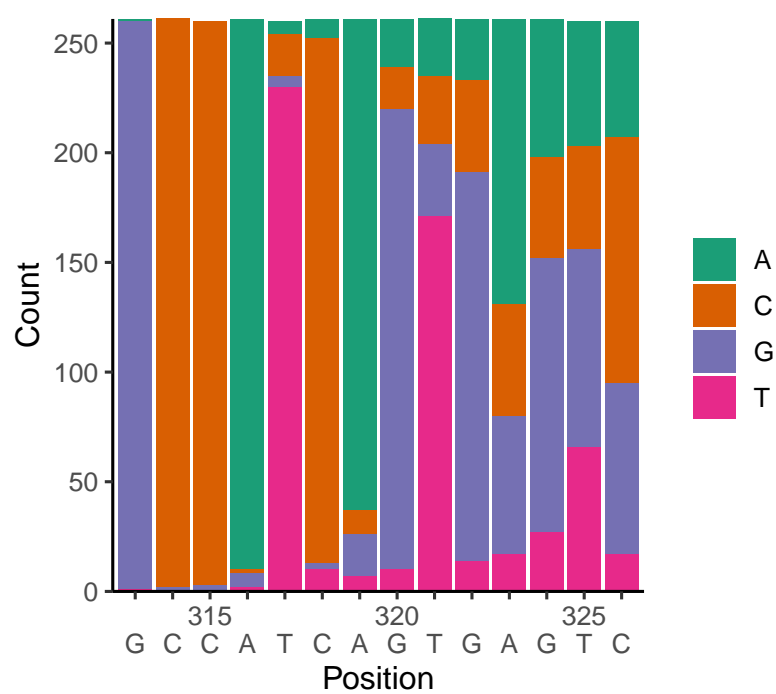
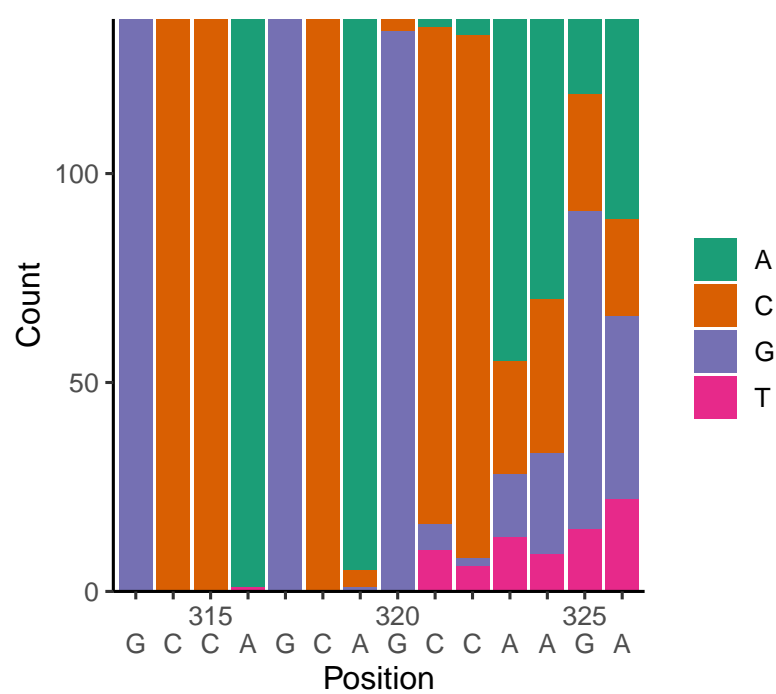


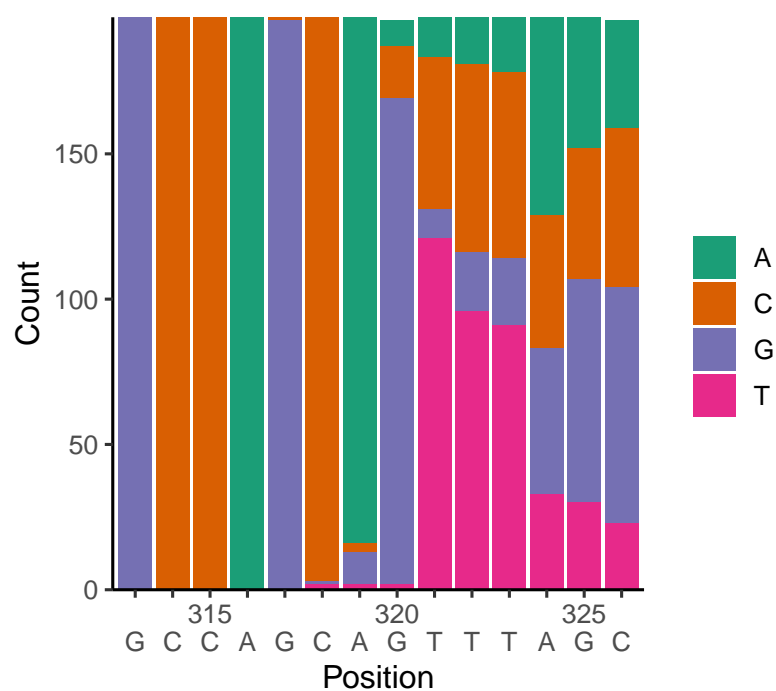
Gene TRBV10-3\*03\_313GCCATCAGTG/



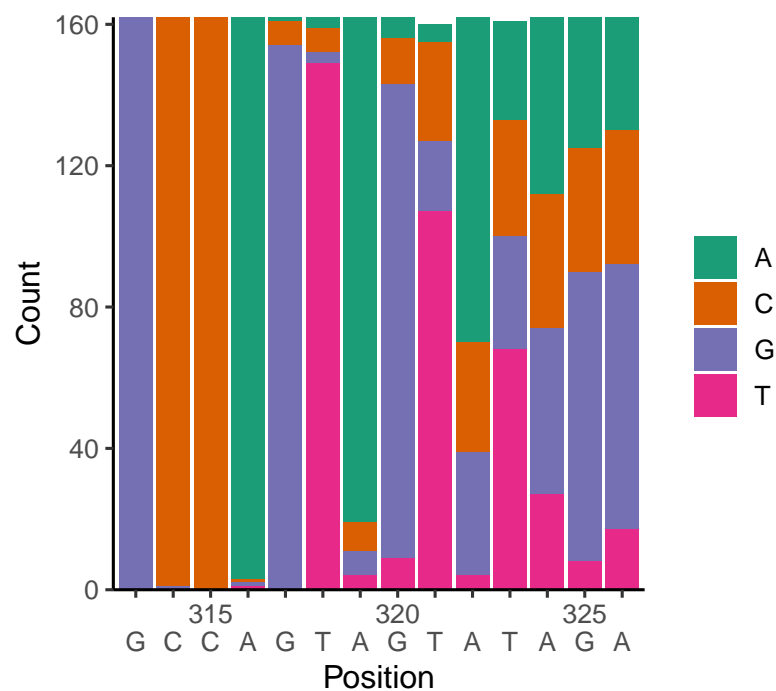
Gene TRBV14\*02\_322CAAGA326



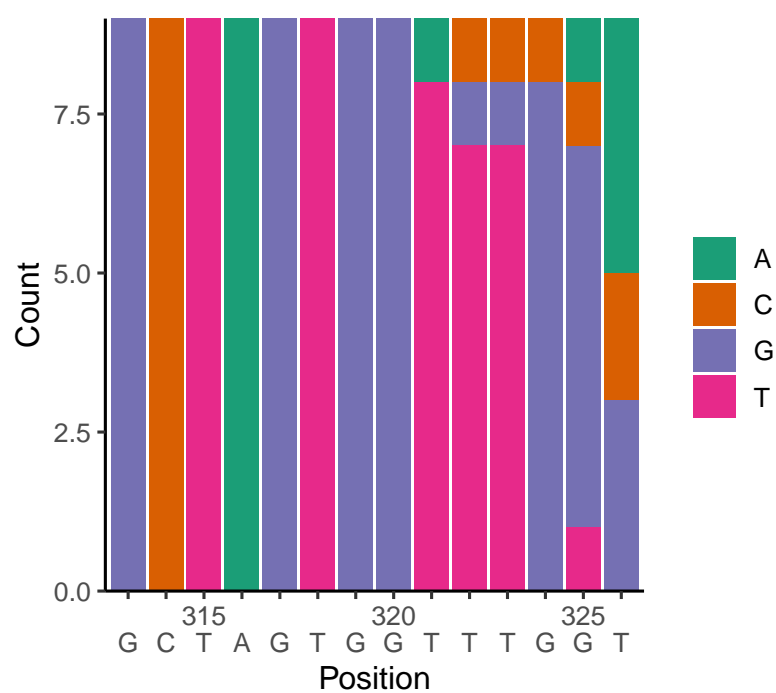
Gene TRBV12-4\*01\_C87T



Gene TRBV19\*01\_A24G



Gene TRBV12-5\*01\_C28G



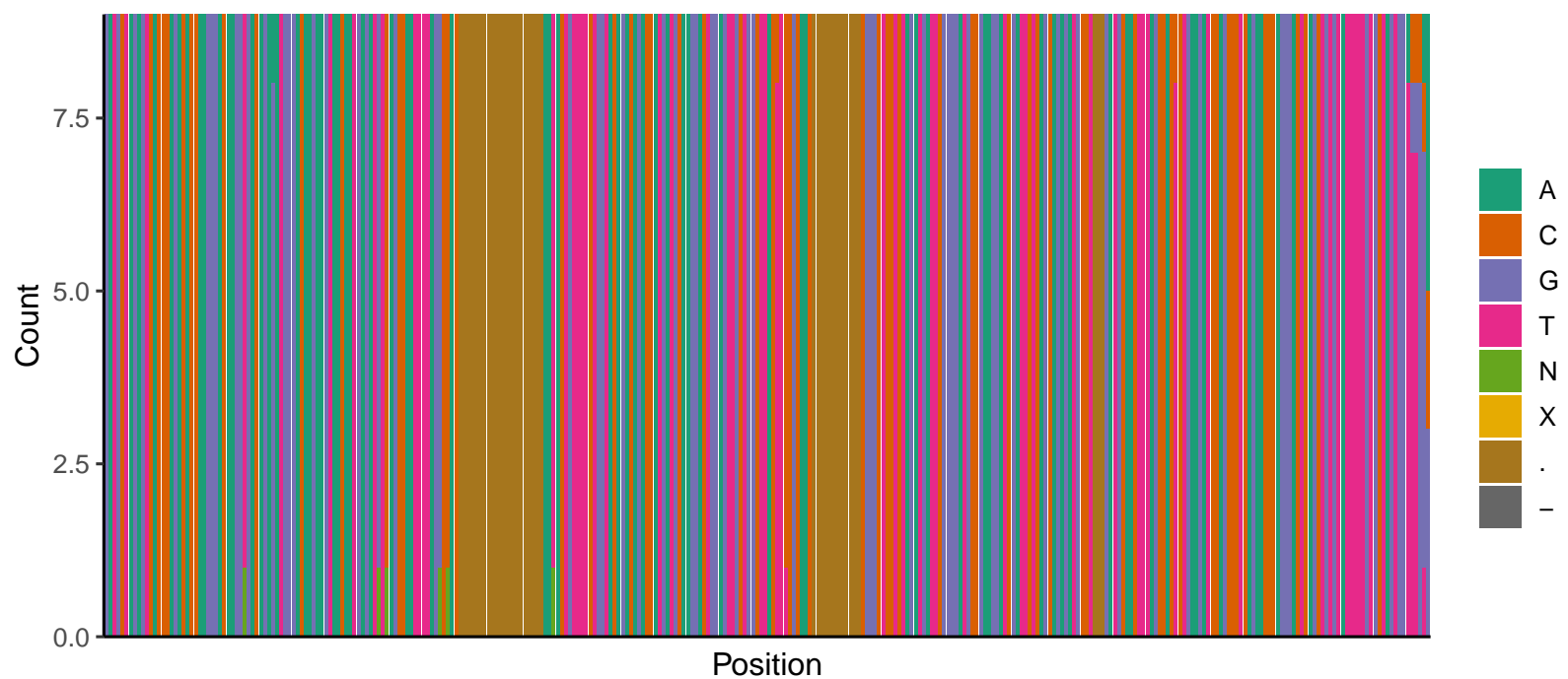
Gene TRBV10-3\*03\_313GCCATCAGTGAGTC326



Gene TRBV12-4\*01\_C87T



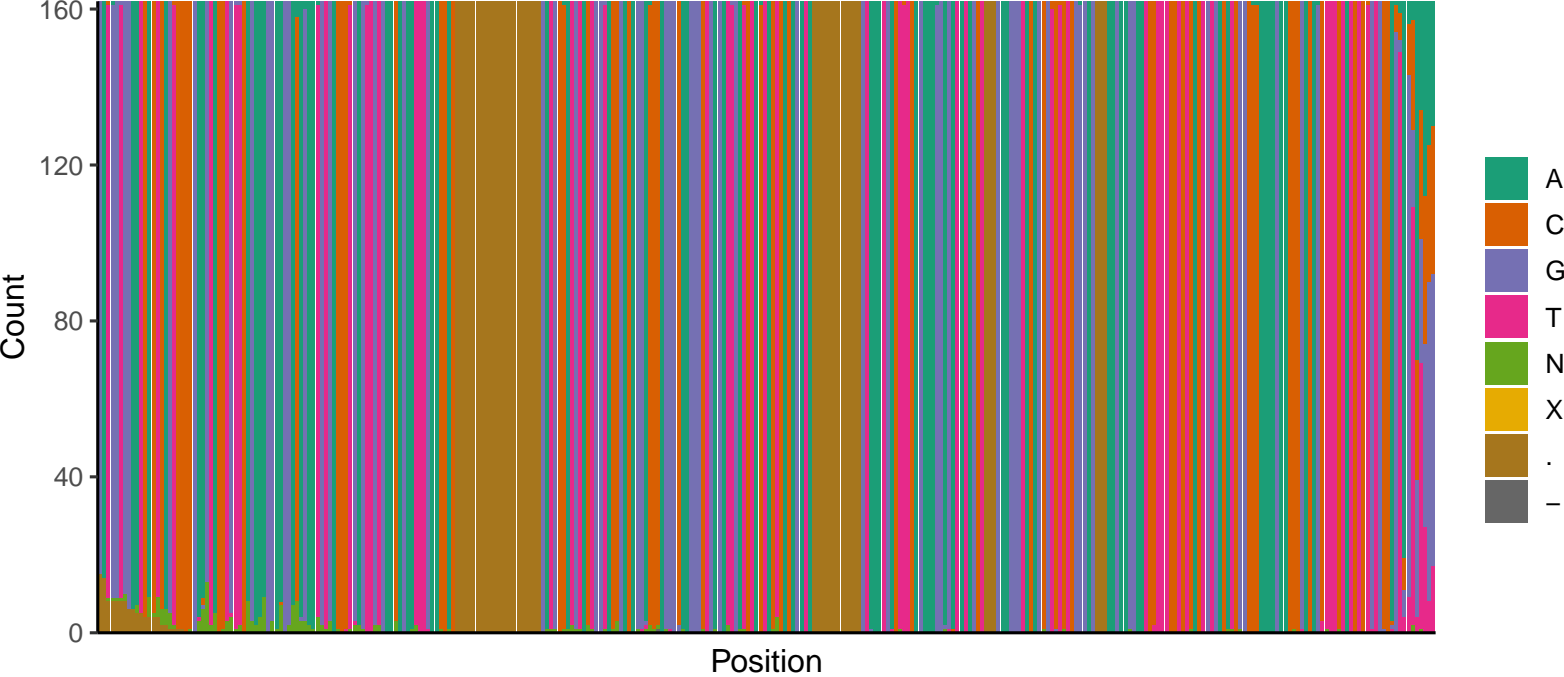
Gene TRBV12-5\*01\_C28G



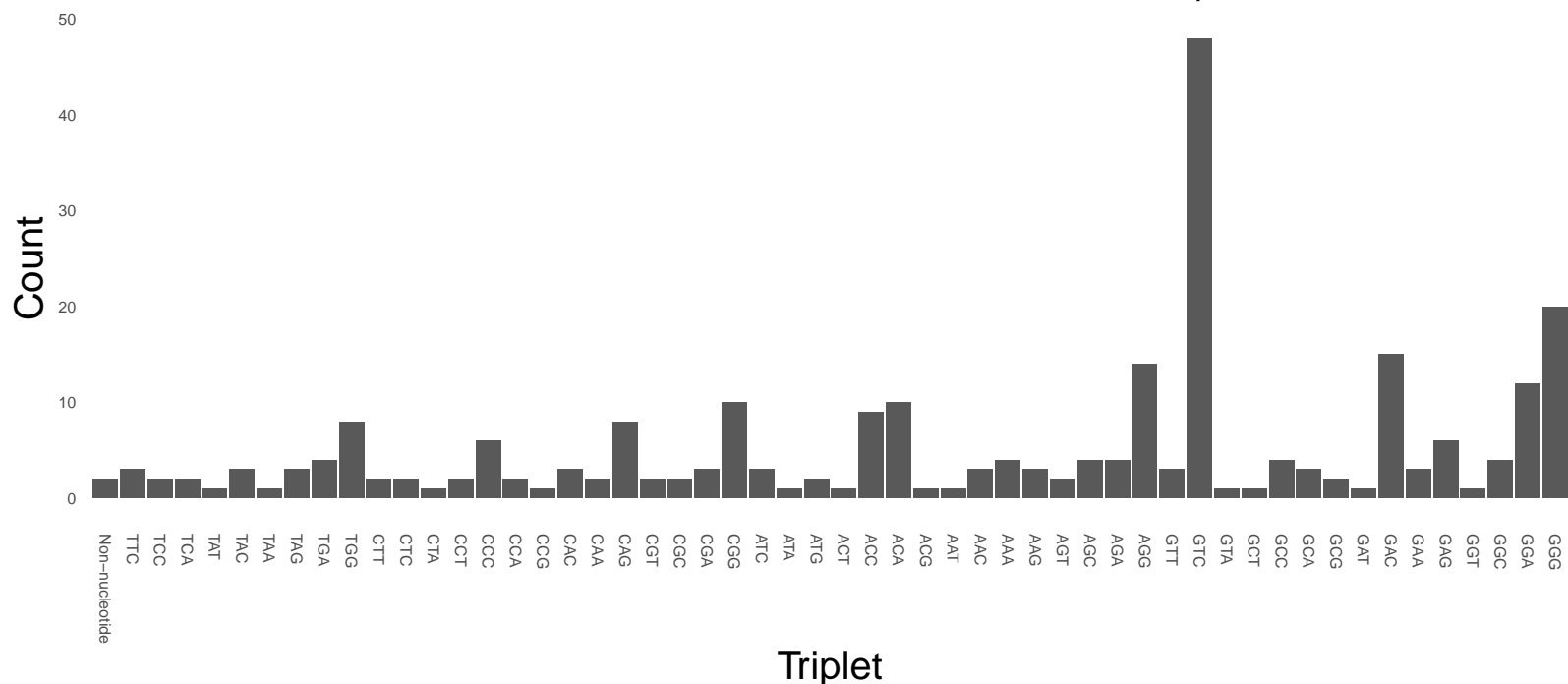
Gene TRBV14\*02\_322CAAGA326



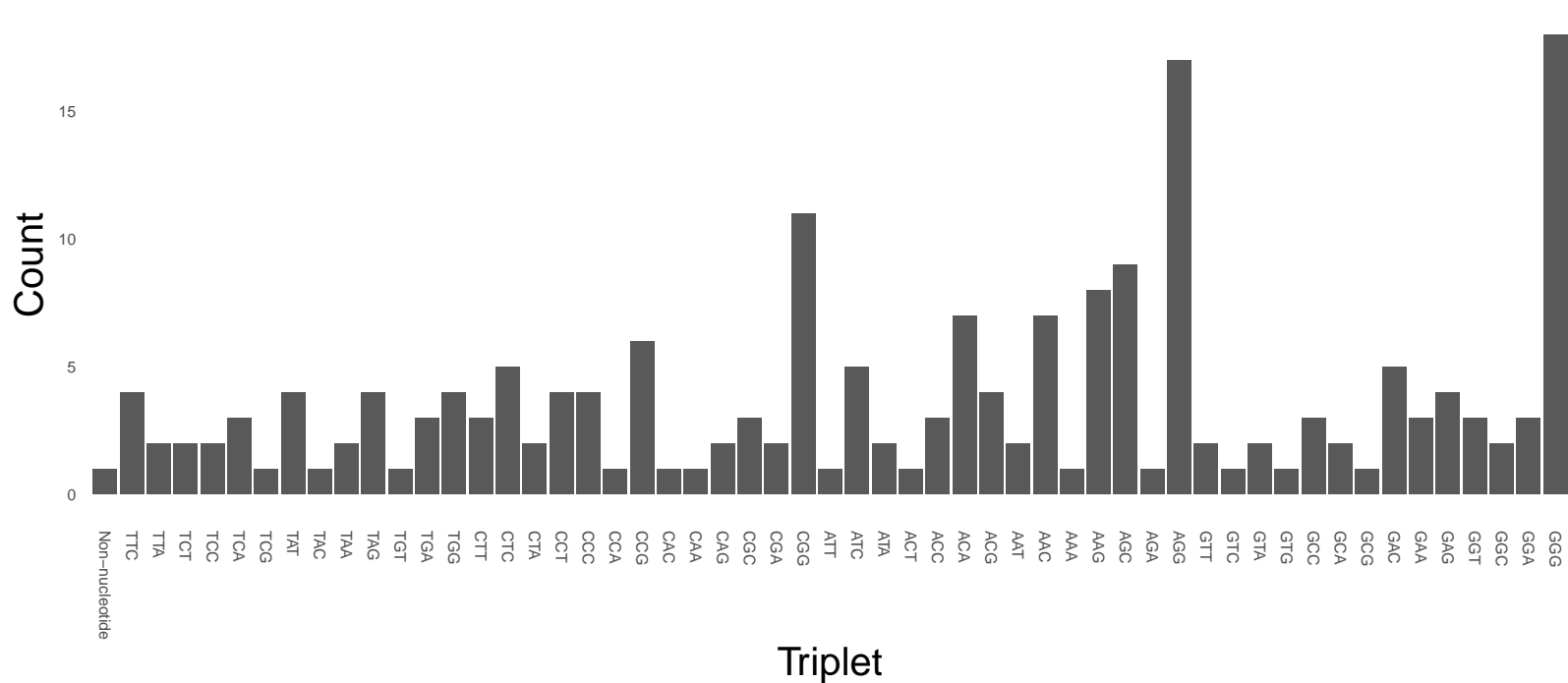
Gene TRBV19\*01\_A24G



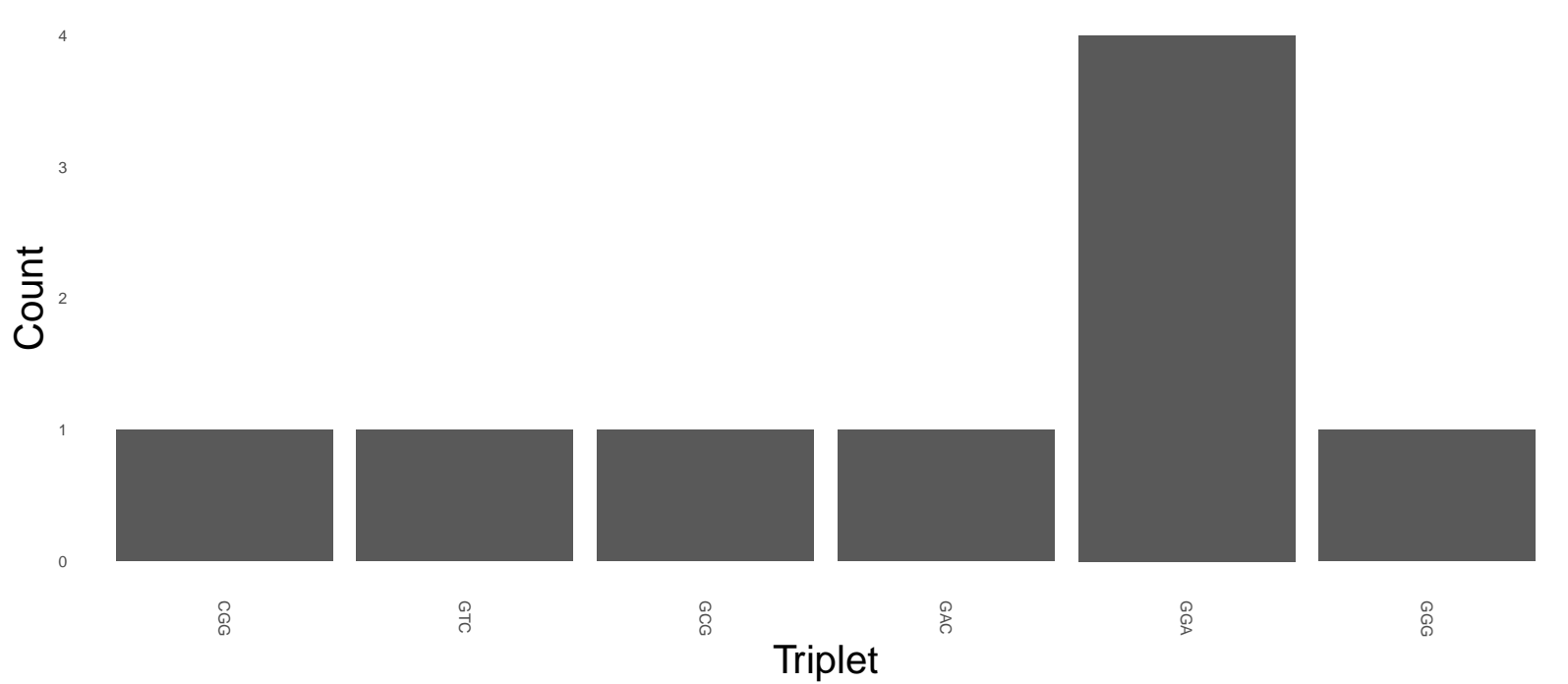
TRBV10–3\*03\_313GCCATCAGTGAGTC326– Final 3 nucleotides as a triplet



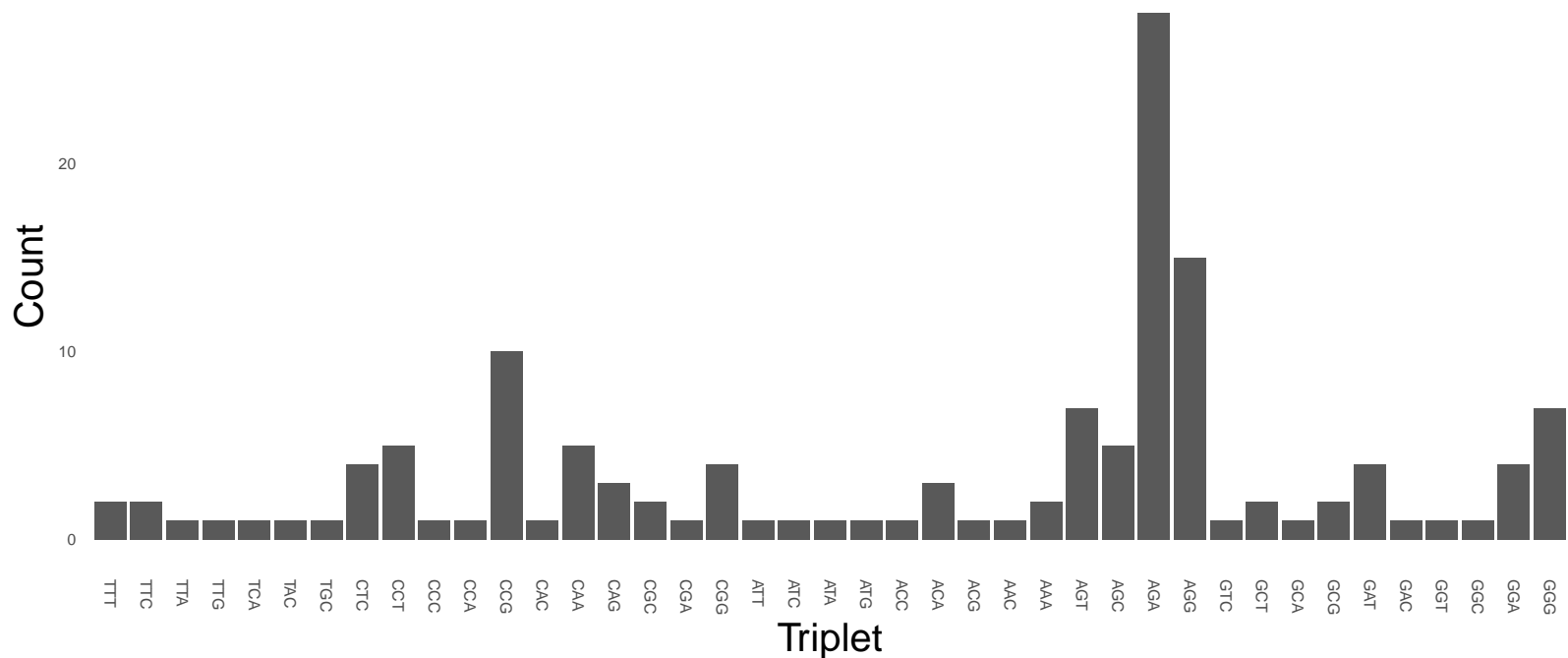
TRBV12–4\*01\_C87T– Final 3 nucleotides as a triplet



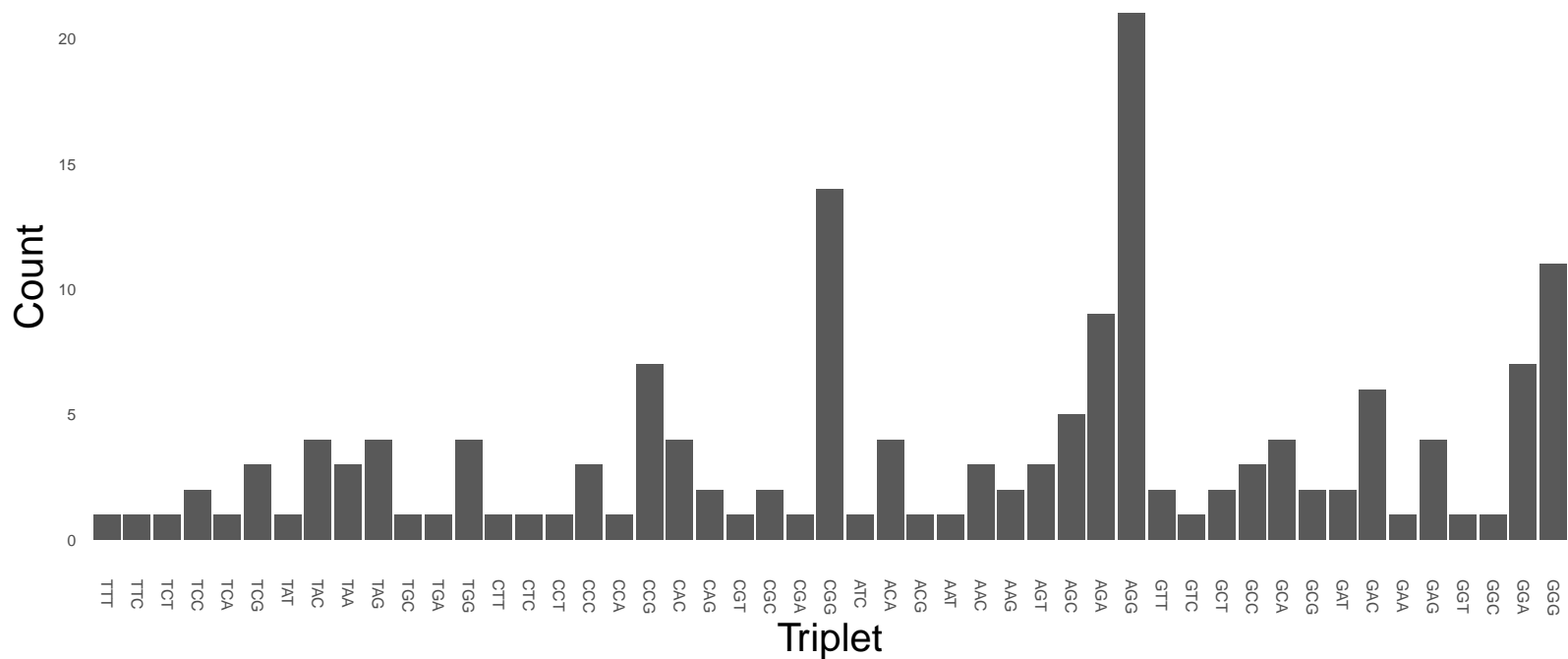
TRBV12–5\*01\_C28G– Final 3 nucleotides as a triplet



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

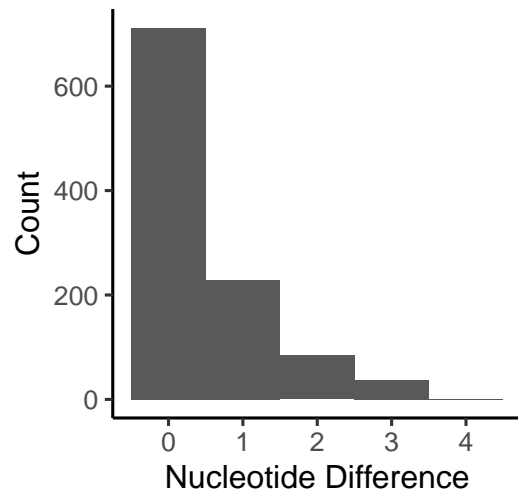


TRBV19\*01\_A24G– Final 3 nucleotides as a triplet



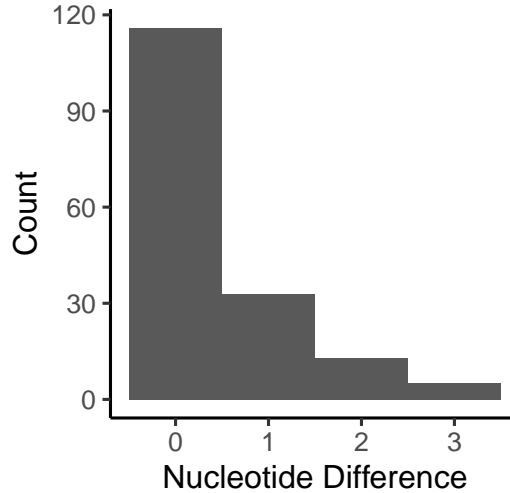
### TRBV20–1\*01

1063 sequences assigned  
712 (67%) exact matches, in which:  
671 unique CDR3  
13 unique J



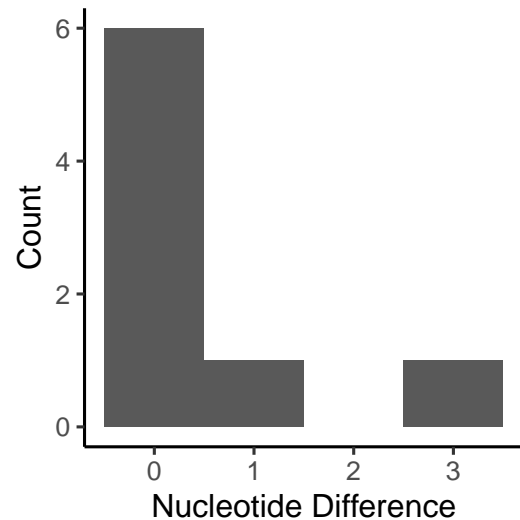
### TRBV10–2\*02

167 sequences assigned  
116 (69.5%) exact matches, in which:  
96 unique CDR3  
13 unique J



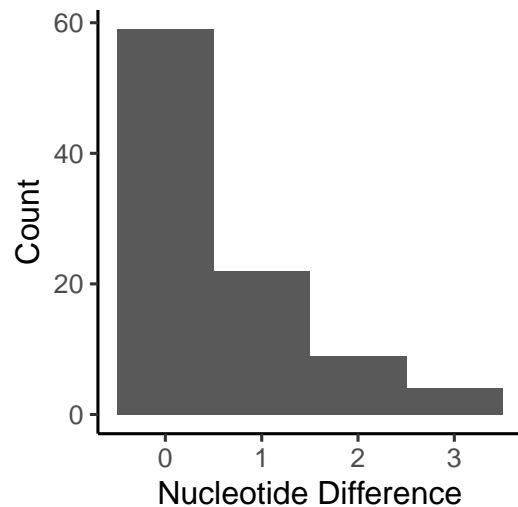
### TRBV1\*01

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



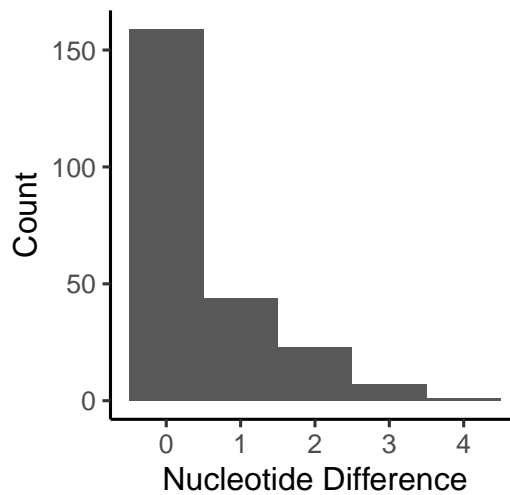
### TRBV10–1\*02

94 sequences assigned  
59 (62.8%) exact matches, in which:  
58 unique CDR3  
10 unique J



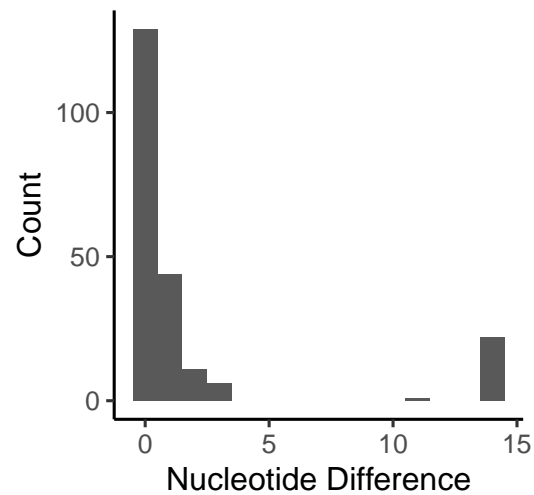
### TRBV10–3\*02

234 sequences assigned  
159 (67.9%) exact matches, in which:  
146 unique CDR3  
13 unique J



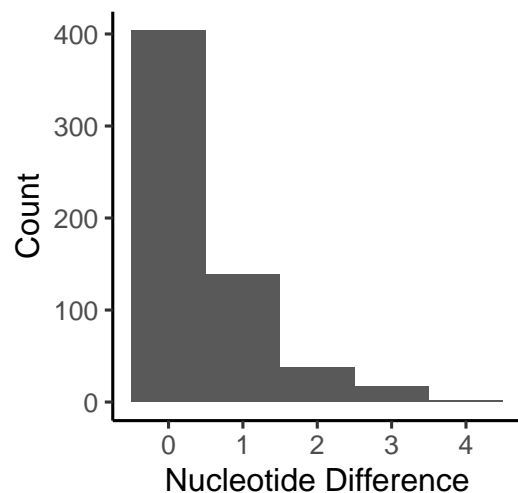
### TRBV13\*01

214 sequences assigned  
129 (60.3%) exact matches, in which:  
116 unique CDR3  
13 unique J



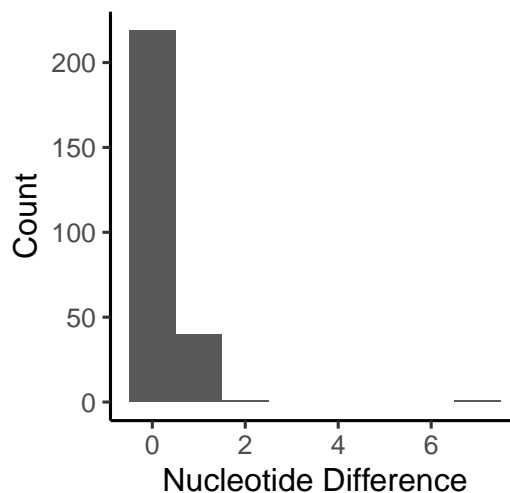
### TRBV20–1\*05

600 sequences assigned  
404 (67.3%) exact matches, in which:  
378 unique CDR3  
13 unique J



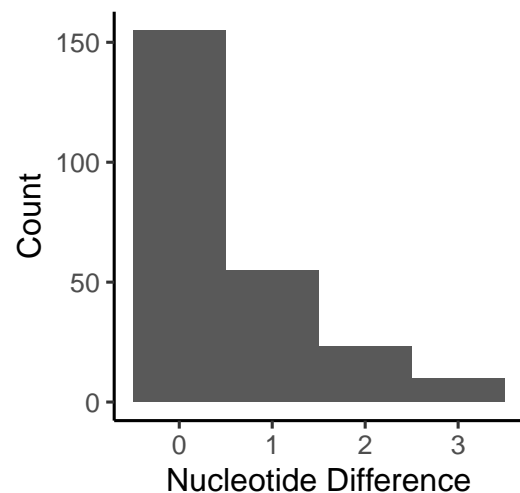
### TRBV10–3\*03\_313GCCA

261 sequences assigned  
219 (83.9%) exact matches, in which:  
207 unique CDR3  
13 unique J



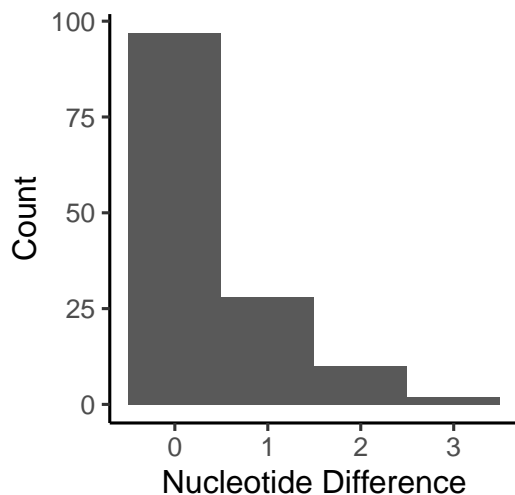
### TRBV14\*01

243 sequences assigned  
155 (63.8%) exact matches, in which:  
129 unique CDR3  
12 unique J



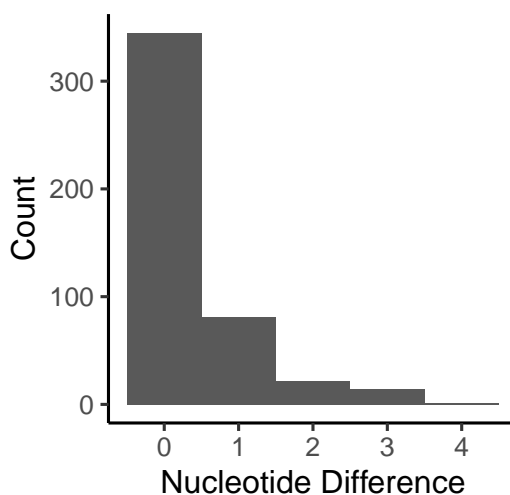
### TRBV14\*02\_322CAAGA3

137 sequences assigned  
97 (70.8%) exact matches, in which:  
95 unique CDR3  
13 unique J



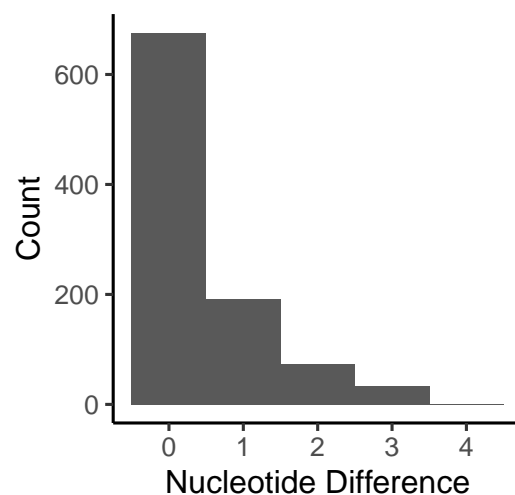
### TRBV18\*01

464 sequences assigned  
345 (74.4%) exact matches, in which:  
309 unique CDR3  
13 unique J



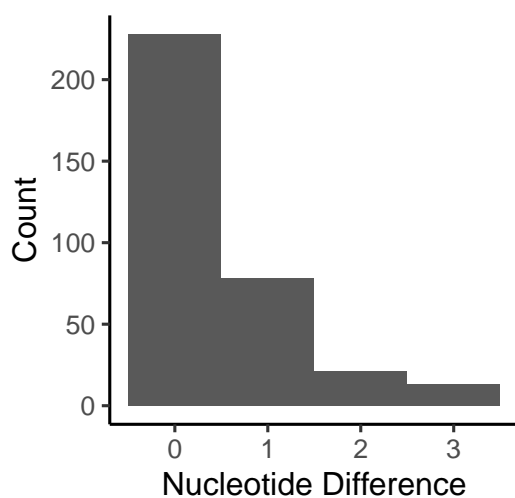
### TRBV2\*01

976 sequences assigned  
676 (69.3%) exact matches, in which:  
586 unique CDR3  
13 unique J



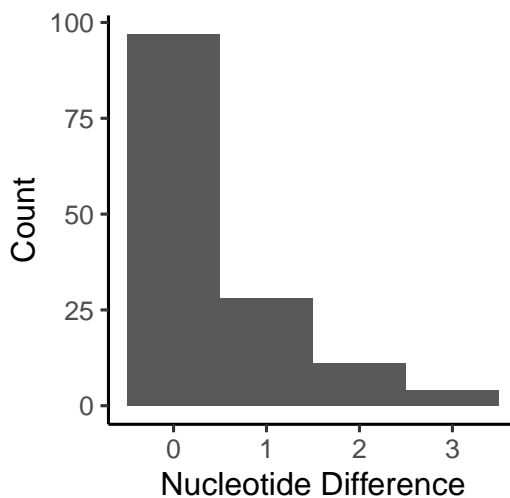
### TRBV15\*02

340 sequences assigned  
228 (67.1%) exact matches, in which:  
215 unique CDR3  
13 unique J



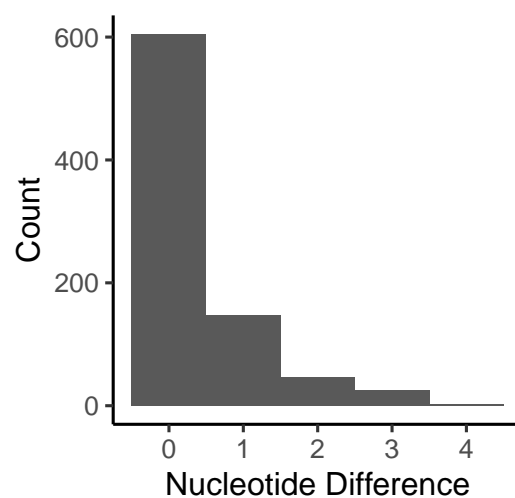
### TRBV19\*01

140 sequences assigned  
97 (69.3%) exact matches, in which:  
93 unique CDR3  
13 unique J



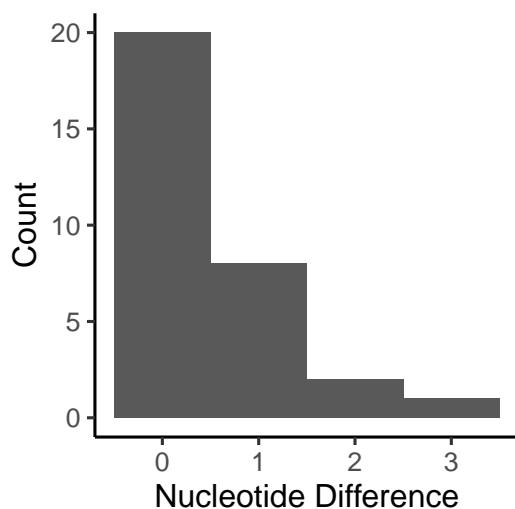
### TRBV27\*01

825 sequences assigned  
605 (73.3%) exact matches, in which:  
558 unique CDR3  
13 unique J



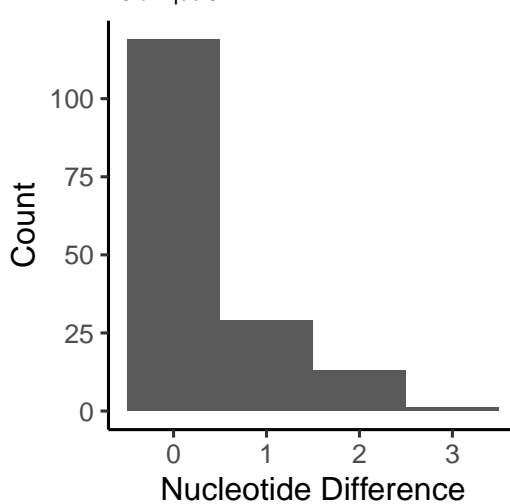
### TRBV16\*01

31 sequences assigned  
20 (64.5%) exact matches, in which:  
19 unique CDR3  
9 unique J



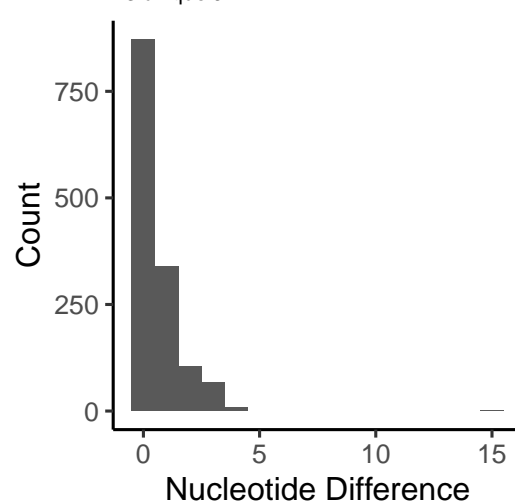
### TRBV19\*01\_A24G

162 sequences assigned  
119 (73.5%) exact matches, in which:  
116 unique CDR3  
13 unique J



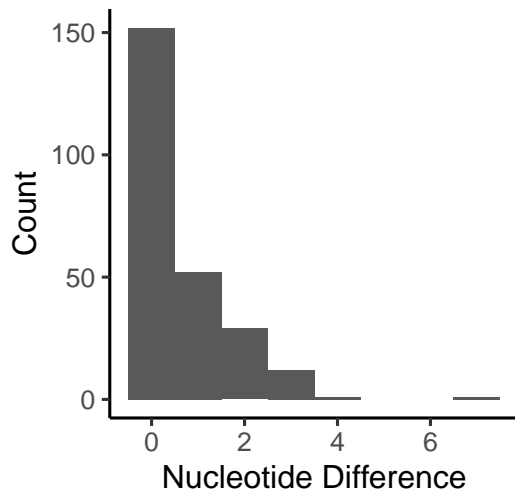
### TRBV28\*01

1390 sequences assigned  
872 (62.7%) exact matches, in which:  
642 unique CDR3  
13 unique J



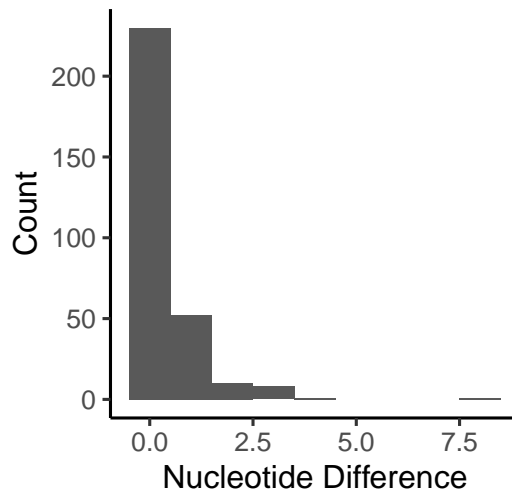
### TRBV30\*01

247 sequences assigned  
152 (61.5%) exact matches, in which:  
132 unique CDR3  
12 unique J



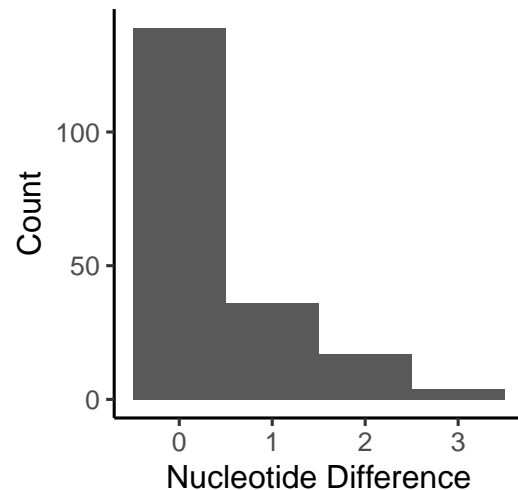
### TRBV21-1\*01

302 sequences assigned  
230 (76.2%) exact matches, in which:  
220 unique CDR3  
13 unique J



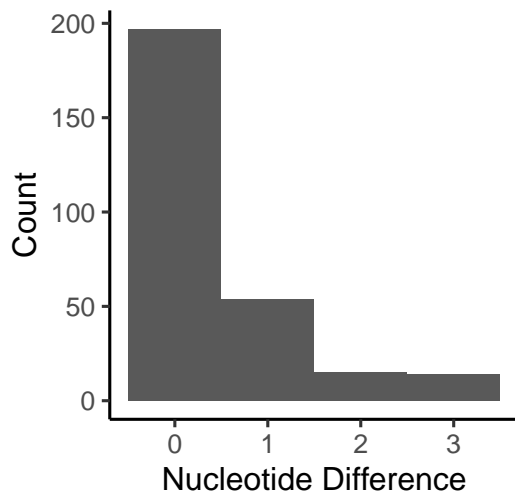
### TRBV11-2\*03

196 sequences assigned  
139 (70.9%) exact matches, in which:  
132 unique CDR3  
13 unique J



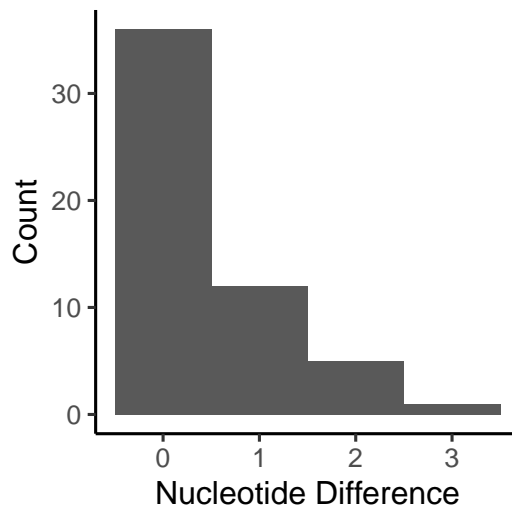
### TRBV9\*01

280 sequences assigned  
197 (70.4%) exact matches, in which:  
191 unique CDR3  
13 unique J



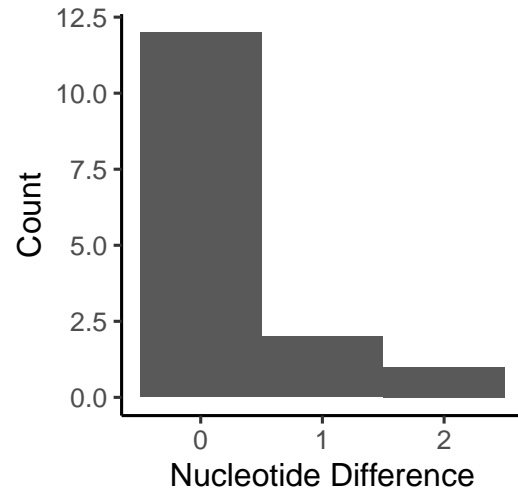
### TRBV11-1\*01

54 sequences assigned  
36 (66.7%) exact matches, in which:  
33 unique CDR3  
10 unique J



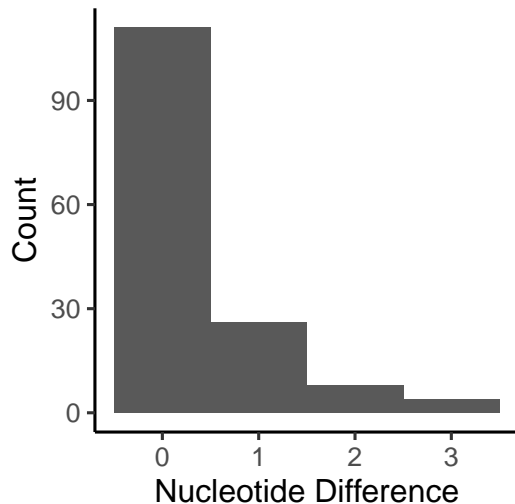
### TRBV11-3\*01

15 sequences assigned  
12 (80%) exact matches, in which:  
12 unique CDR3  
6 unique J



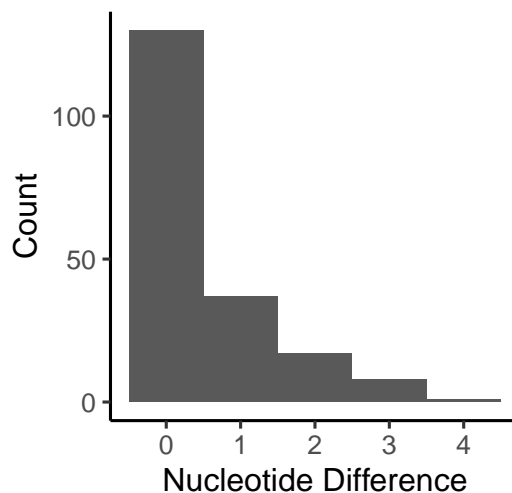
### TRBV9\*02

149 sequences assigned  
111 (74.5%) exact matches, in which:  
101 unique CDR3  
13 unique J



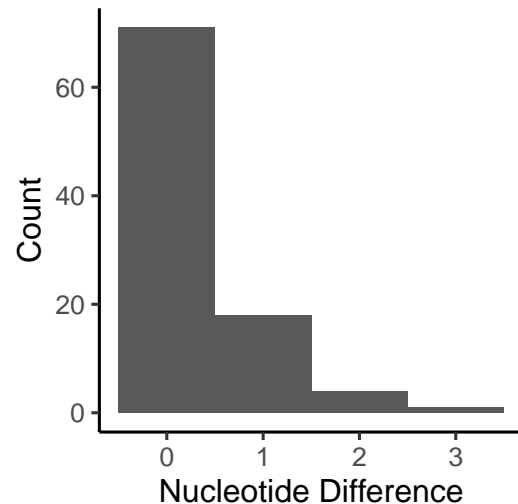
### TRBV11-2\*01

193 sequences assigned  
130 (67.4%) exact matches, in which:  
126 unique CDR3  
12 unique J



### TRBV11-3\*04

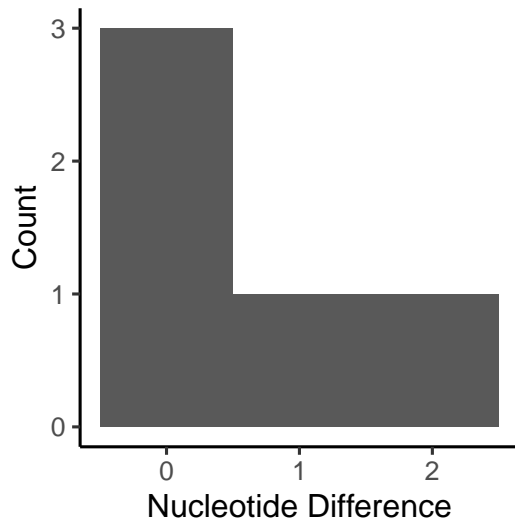
94 sequences assigned  
71 (75.5%) exact matches, in which:  
71 unique CDR3  
13 unique J





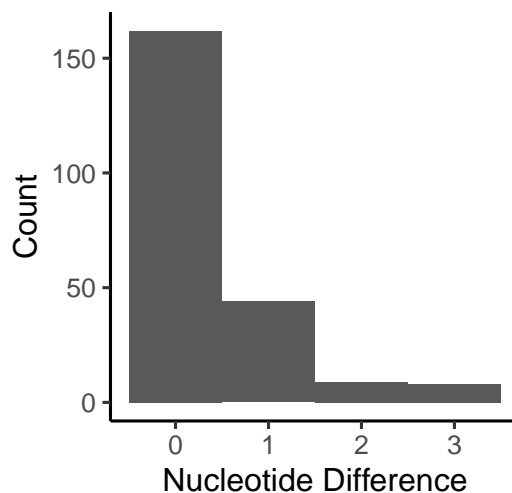
### TRBV12-1\*01

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



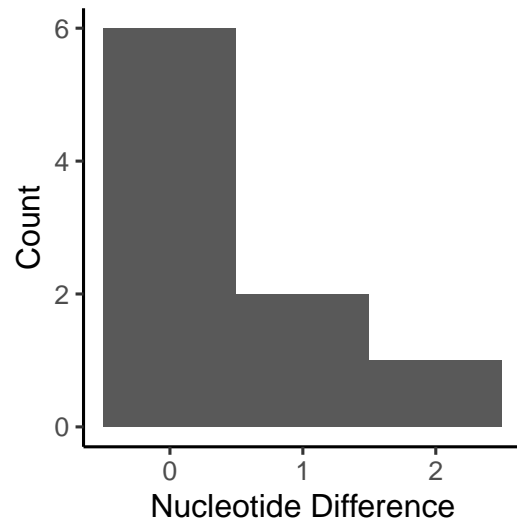
### TRBV12-4\*01

224 sequences assigned  
162 (72.3%) exact matches, in which:  
153 unique CDR3  
13 unique J



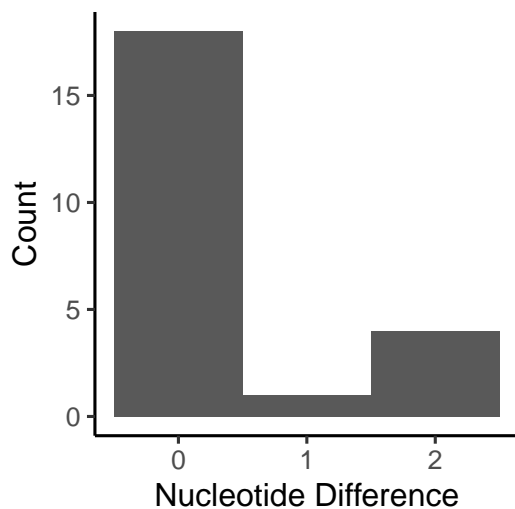
### TRBV12-5\*01\_C28G

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



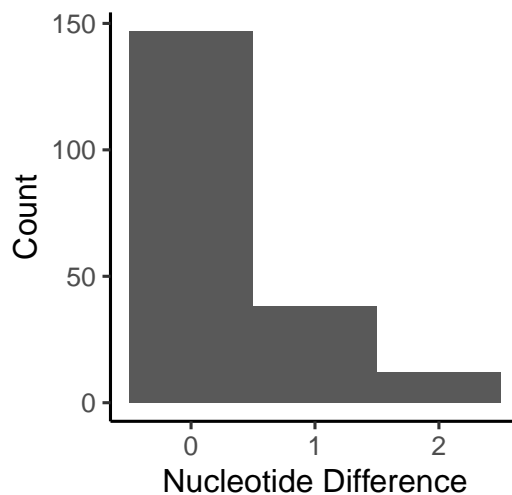
### TRBV12-2\*01

23 sequences assigned  
18 (78.3%) exact matches, in which:  
16 unique CDR3  
8 unique J



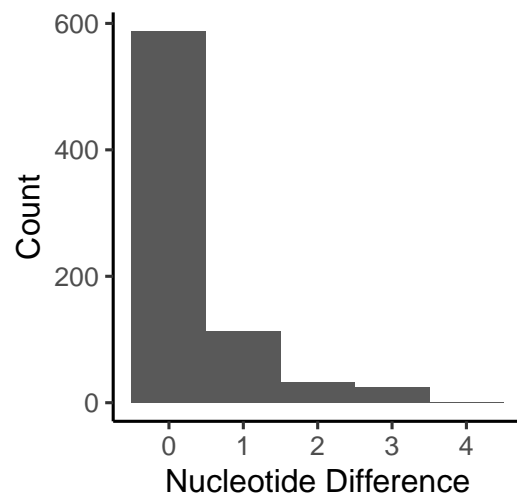
### TRBV12-4\*01\_C87T

197 sequences assigned  
147 (74.6%) exact matches, in which:  
141 unique CDR3  
13 unique J



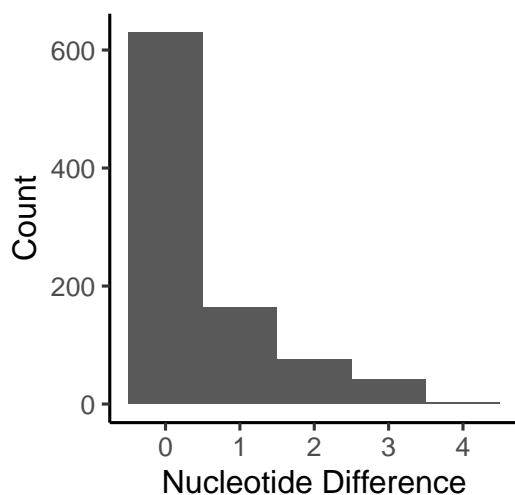
### TRBV3-1\*01

758 sequences assigned  
588 (77.6%) exact matches, in which:  
552 unique CDR3  
13 unique J



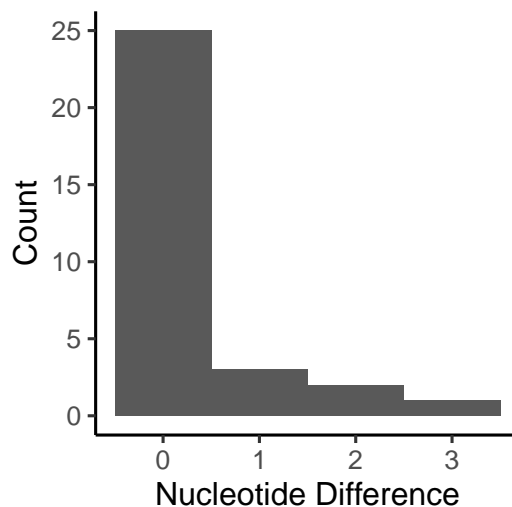
### TRBV12-3\*01

914 sequences assigned  
630 (68.9%) exact matches, in which:  
604 unique CDR3  
13 unique J



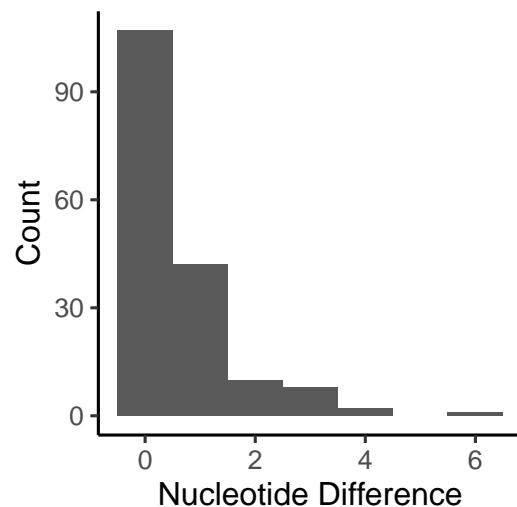
### TRBV12-5\*01

31 sequences assigned  
25 (80.6%) exact matches, in which:  
22 unique CDR3  
9 unique J



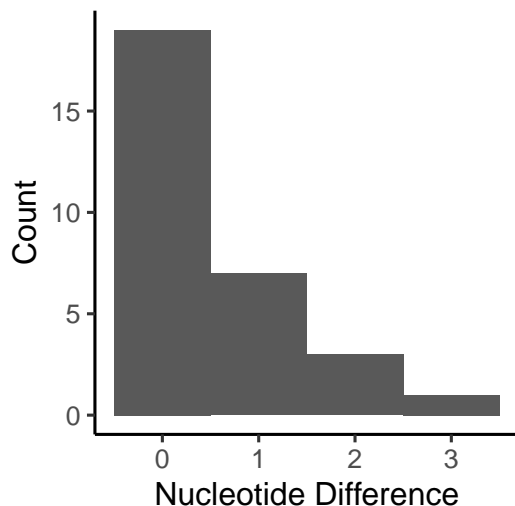
### TRBV23-1\*01

170 sequences assigned  
107 (62.9%) exact matches, in which:  
89 unique CDR3  
11 unique J



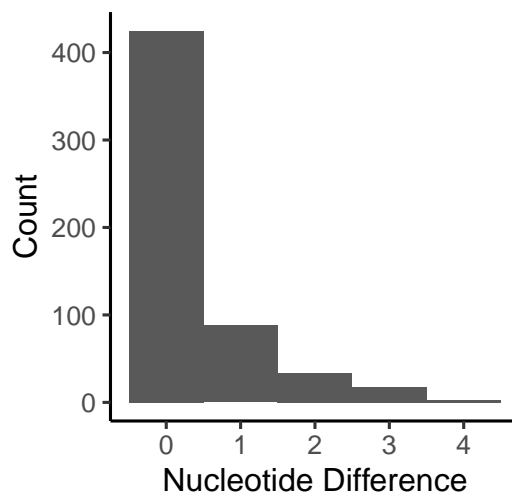
### TRBV3-2\*01

30 sequences assigned  
19 (63.3%) exact matches, in which:  
17 unique CDR3  
8 unique J



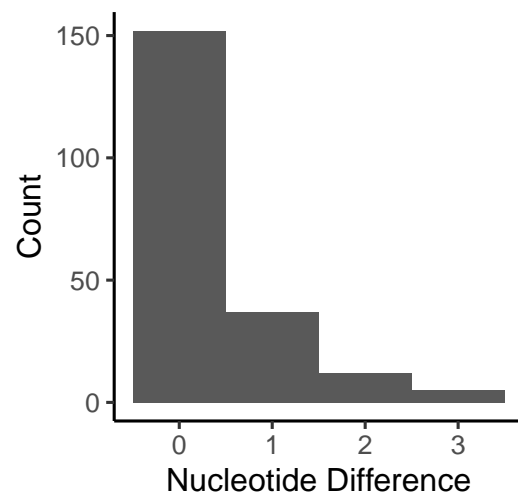
### TRBV4-2\*01

568 sequences assigned  
425 (74.8%) exact matches, in which:  
372 unique CDR3  
13 unique J



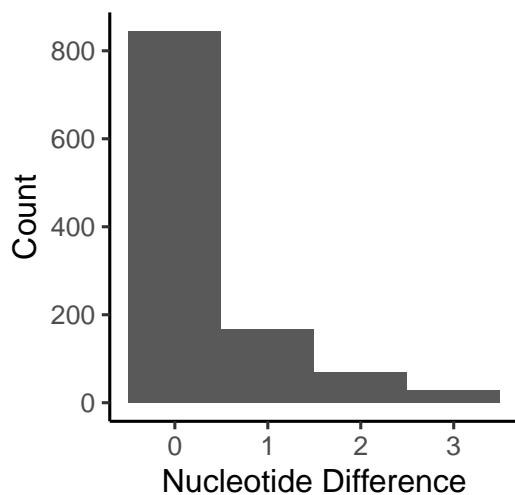
### TRBV25-1\*01

206 sequences assigned  
152 (73.8%) exact matches, in which:  
141 unique CDR3  
13 unique J



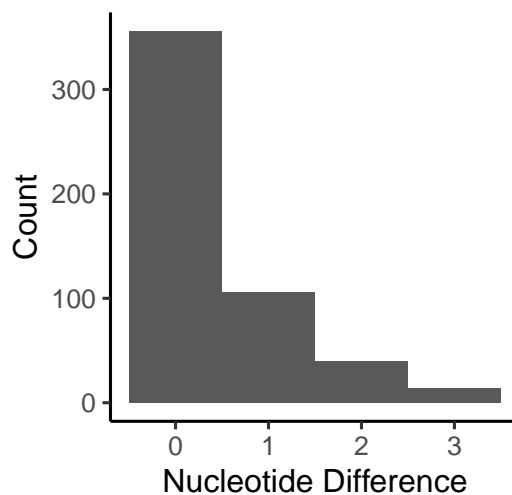
### TRBV4-1\*01

1108 sequences assigned  
845 (76.3%) exact matches, in which:  
765 unique CDR3  
13 unique J



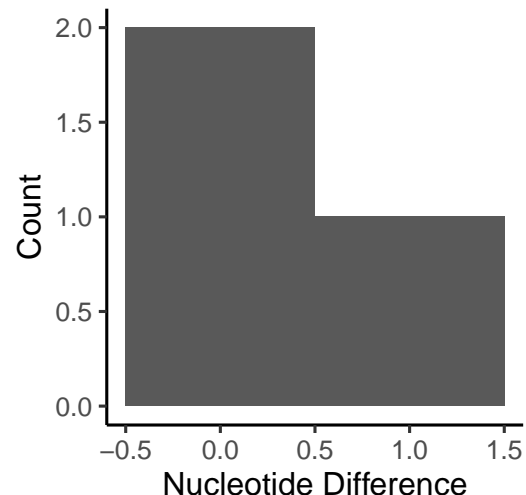
### TRBV4-3\*01

517 sequences assigned  
356 (68.9%) exact matches, in which:  
291 unique CDR3  
13 unique J



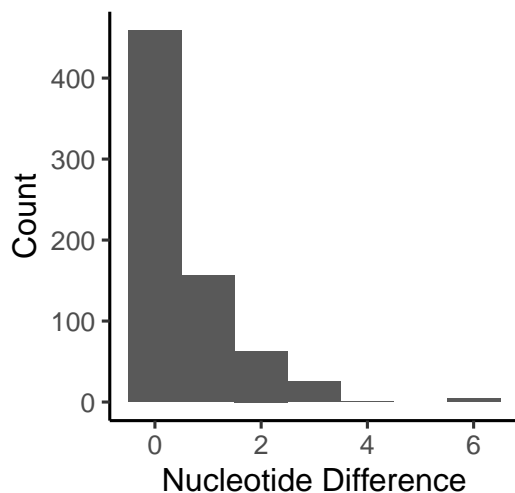
### TRBV5-3\*01

3 sequences assigned  
2 (66.7%) exact matches, in which:  
2 unique CDR3  
2 unique J



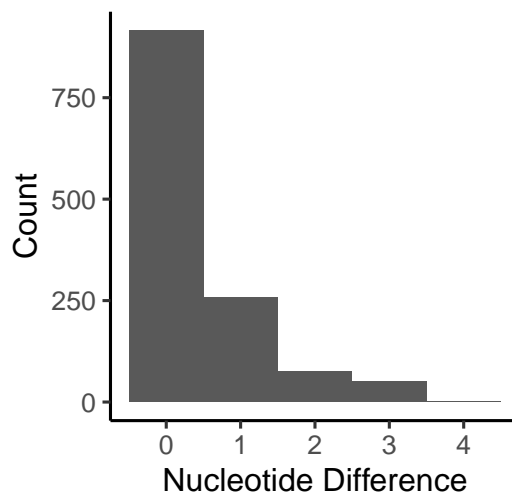
### TRBV24-1\*01

708 sequences assigned  
459 (64.8%) exact matches, in which:  
420 unique CDR3  
13 unique J



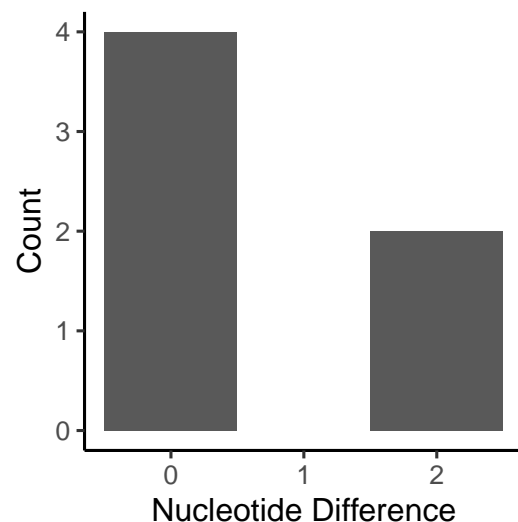
### TRBV5-1\*01

1301 sequences assigned  
916 (70.4%) exact matches, in which:  
860 unique CDR3  
13 unique J



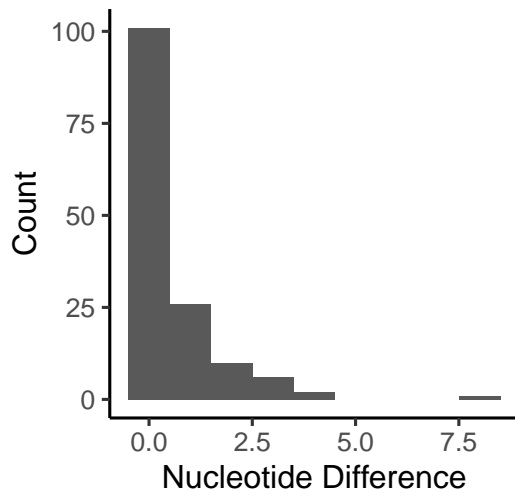
### TRBV5-3\*02

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



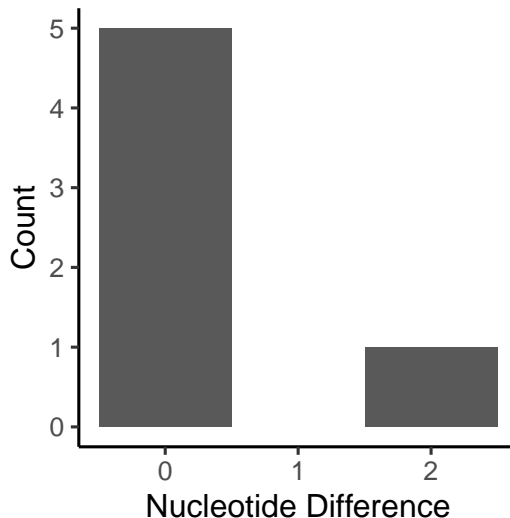
### TRBV5-4\*01

148 sequences assigned  
101 (68.2%) exact matches, in which:  
97 unique CDR3  
13 unique J



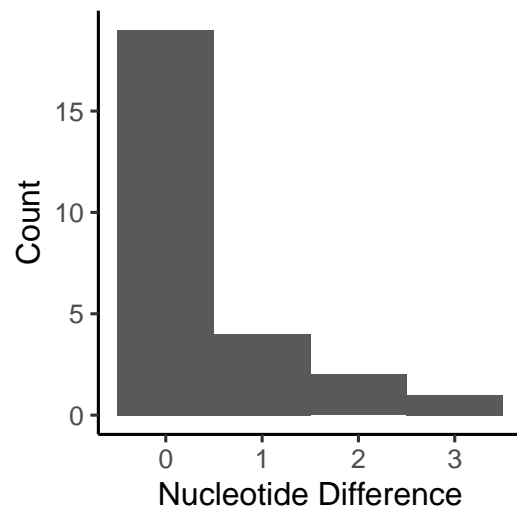
### TRBV5-7\*01

6 sequences assigned  
5 (83.3%) exact matches, in which:  
5 unique CDR3  
4 unique J



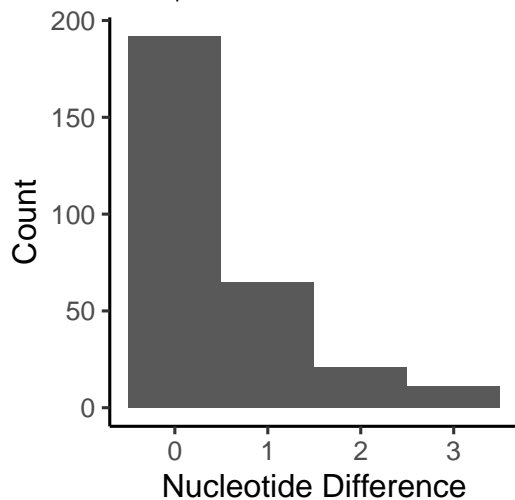
### TRBV6-4\*01

26 sequences assigned  
19 (73.1%) exact matches, in which:  
19 unique CDR3  
7 unique J



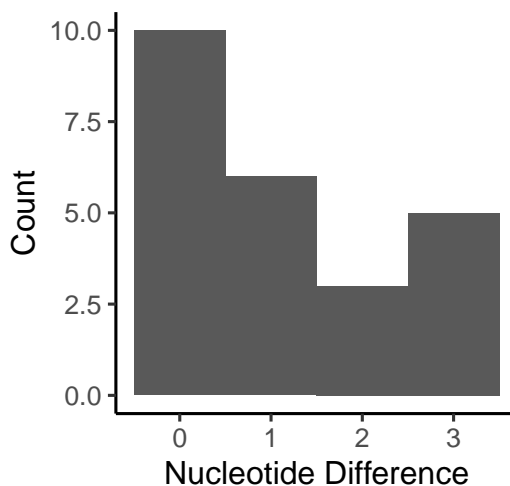
### TRBV5-5\*01

289 sequences assigned  
192 (66.4%) exact matches, in which:  
144 unique CDR3  
13 unique J



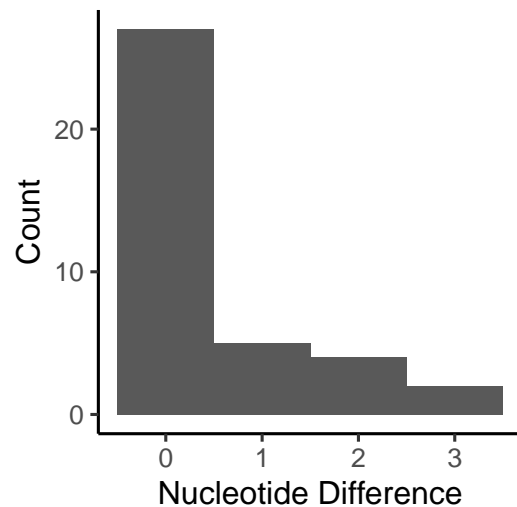
### TRBV5-8\*01

24 sequences assigned  
10 (41.7%) exact matches, in which:  
10 unique CDR3  
7 unique J



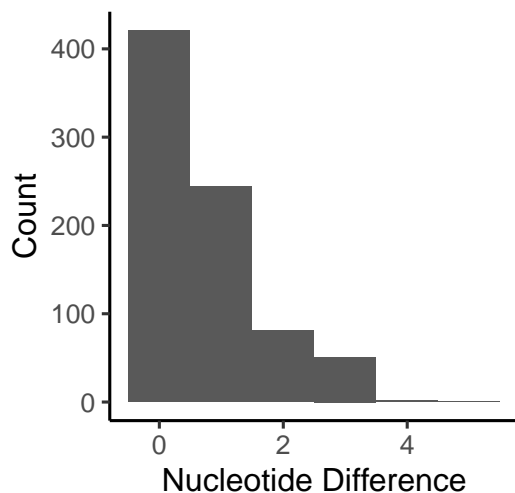
### TRBV6-4\*02

38 sequences assigned  
27 (71.1%) exact matches, in which:  
27 unique CDR3  
11 unique J



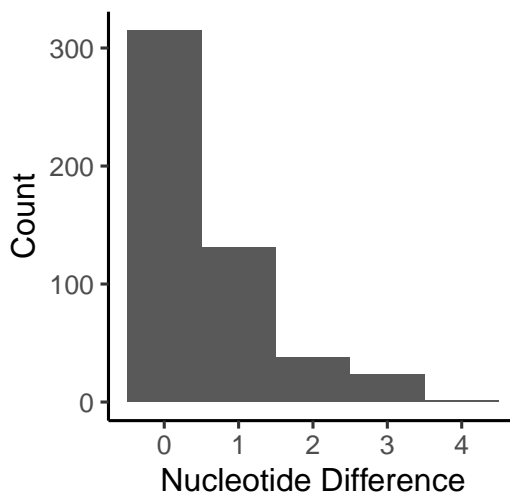
### TRBV5-6\*01

800 sequences assigned  
421 (52.6%) exact matches, in which:  
267 unique CDR3  
13 unique J



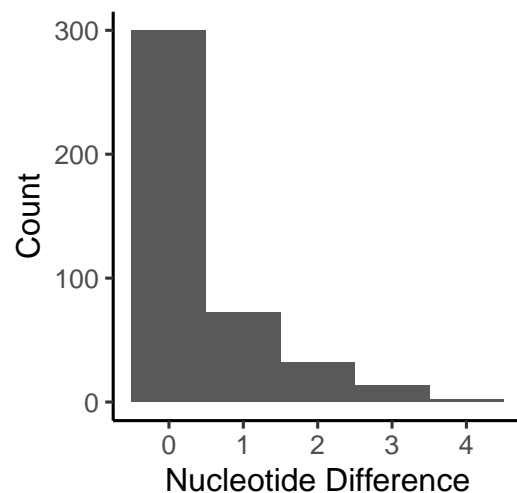
### TRBV6-1\*01

510 sequences assigned  
315 (61.8%) exact matches, in which:  
236 unique CDR3  
13 unique J



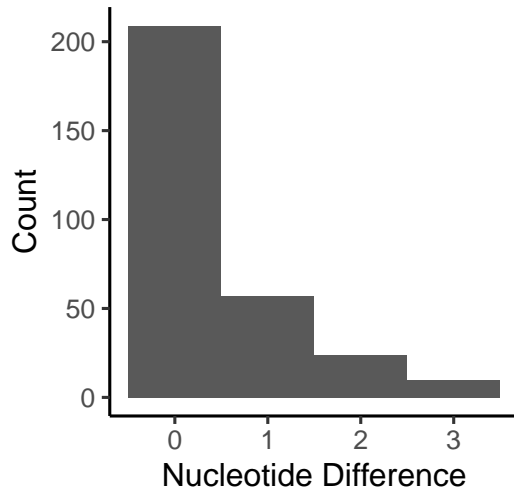
### TRBV6-5\*01

419 sequences assigned  
300 (71.6%) exact matches, in which:  
291 unique CDR3  
13 unique J



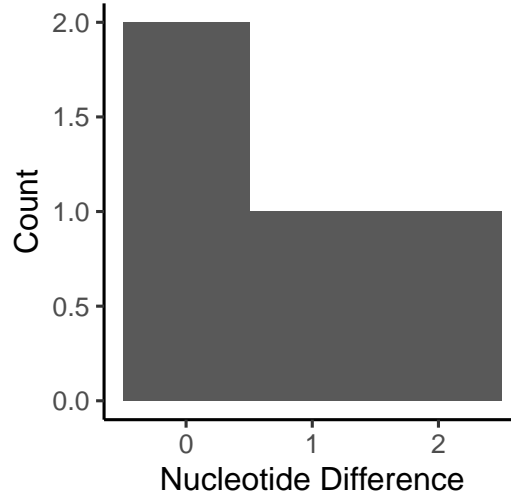
### TRBV6-6\*02

300 sequences assigned  
209 (69.7%) exact matches, in which:  
183 unique CDR3  
13 unique J



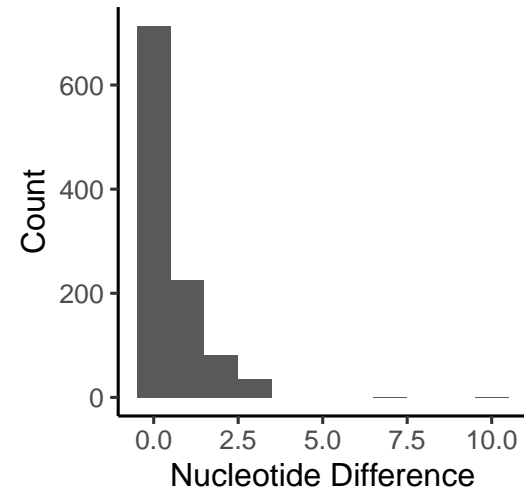
### TRBV6-9\*01

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



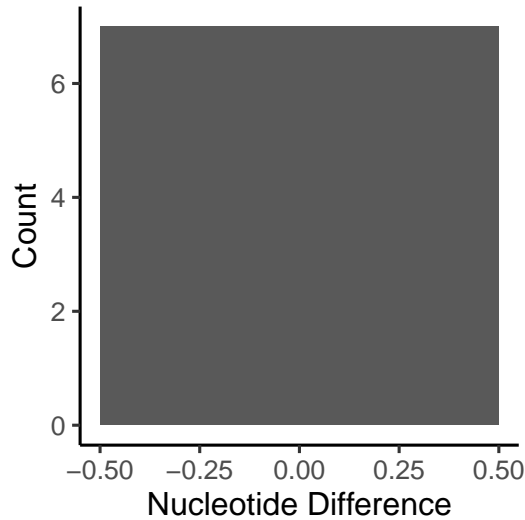
### TRBV7-2\*01

1060 sequences assigned  
714 (67.4%) exact matches, in which:  
661 unique CDR3  
13 unique J



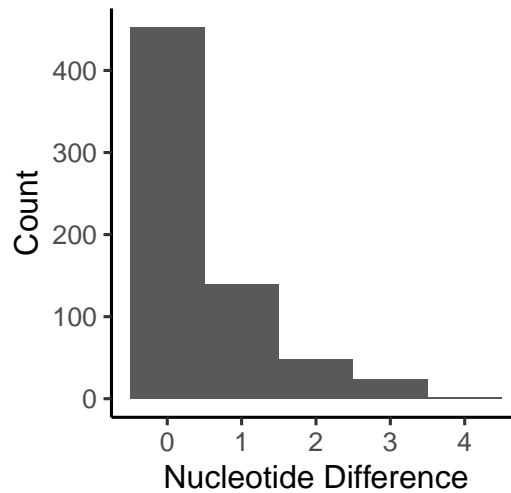
### TRBV6-7\*01

7 sequences assigned  
7 (100%) exact matches, in which:  
7 unique CDR3  
6 unique J



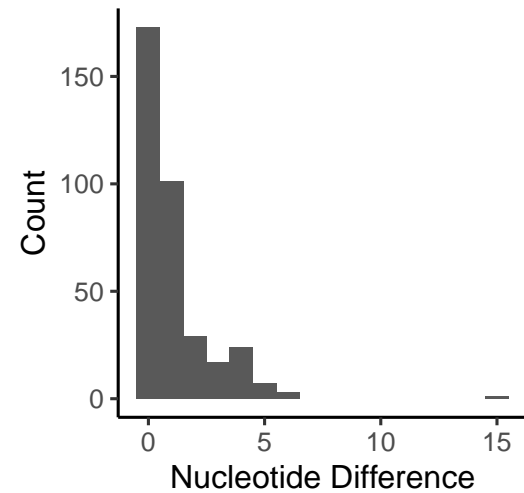
### TRBV6-23\*01

667 sequences assigned  
453 (67.9%) exact matches, in which:  
418 unique CDR3  
13 unique J



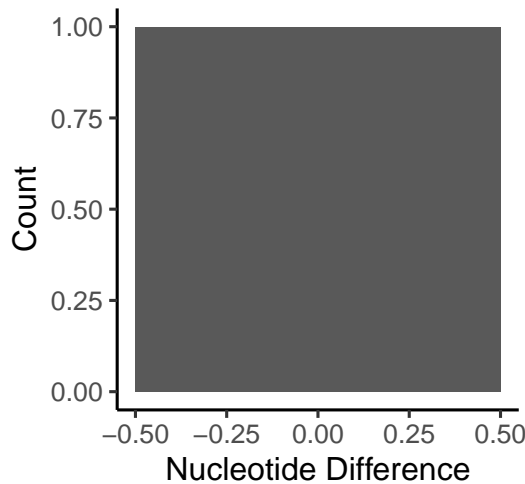
### TRBV7-3\*01

355 sequences assigned  
173 (48.7%) exact matches, in which:  
124 unique CDR3  
11 unique J



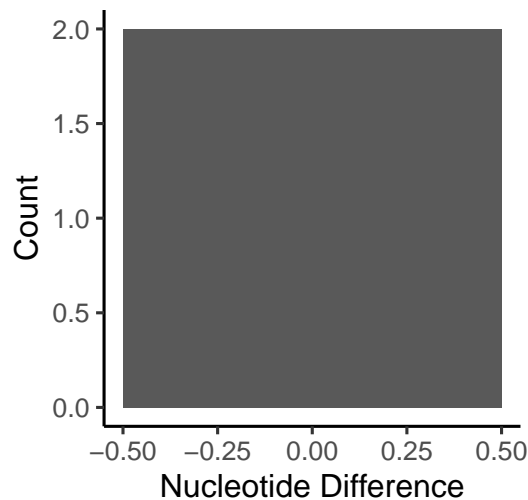
### TRBV6-8\*01

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



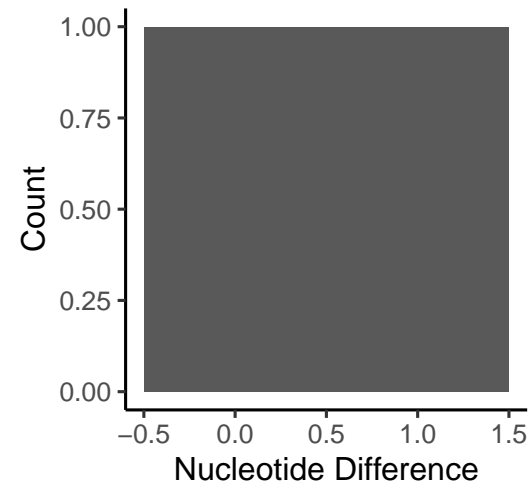
### TRBV7-1\*01

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



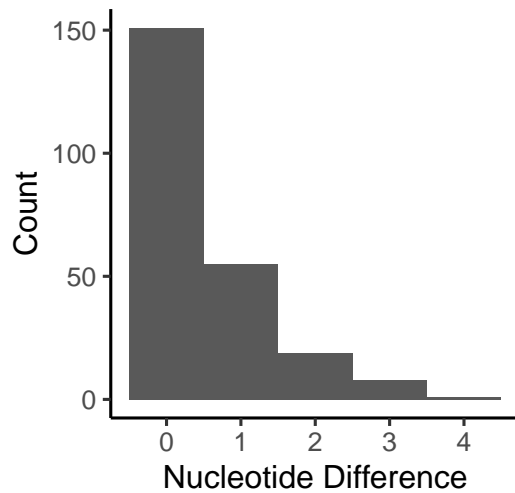
### TRBV7-4\*01

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



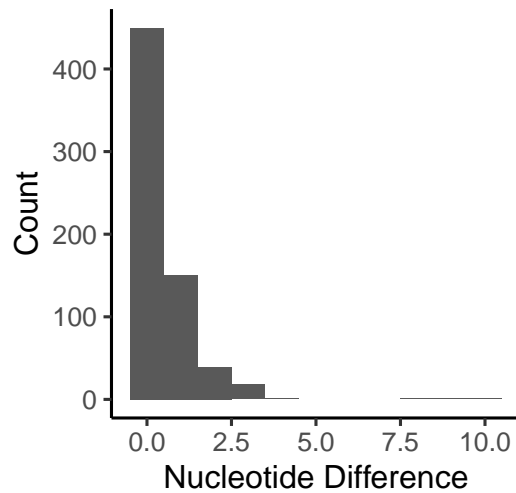
### TRBV7-6\*01

234 sequences assigned  
151 (64.5%) exact matches, in which:  
112 unique CDR3  
11 unique J



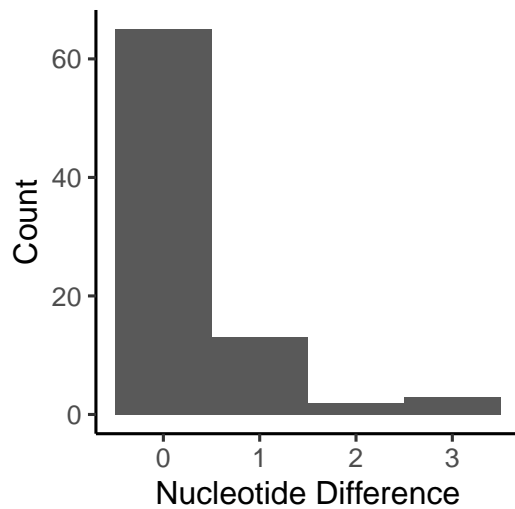
### TRBV7-9\*03

662 sequences assigned  
450 (68%) exact matches, in which:  
419 unique CDR3  
13 unique J



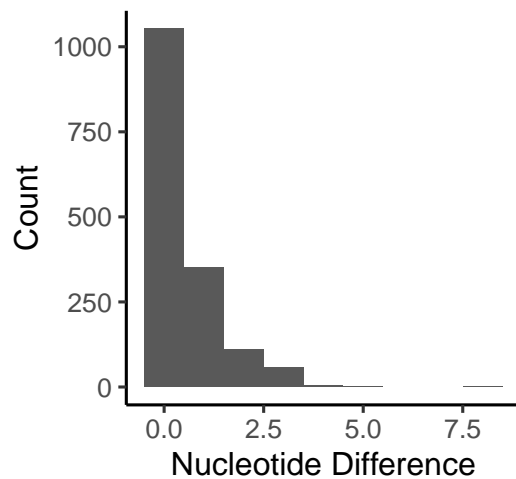
### TRBV7-7\*01

83 sequences assigned  
65 (78.3%) exact matches, in which:  
62 unique CDR3  
9 unique J



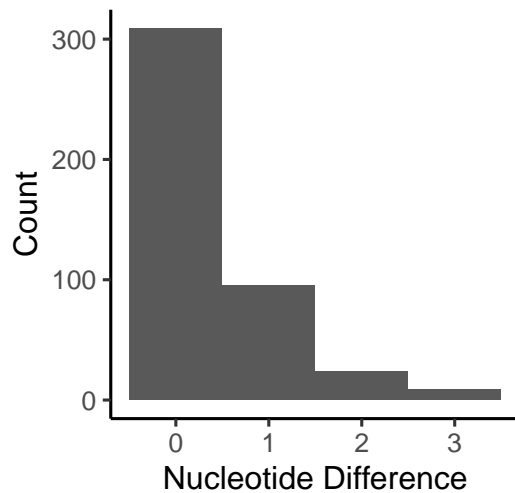
### TRBV29-1\*01

1576 sequences assigned  
1053 (66.8%) exact matches, in which:  
927 unique CDR3  
13 unique J

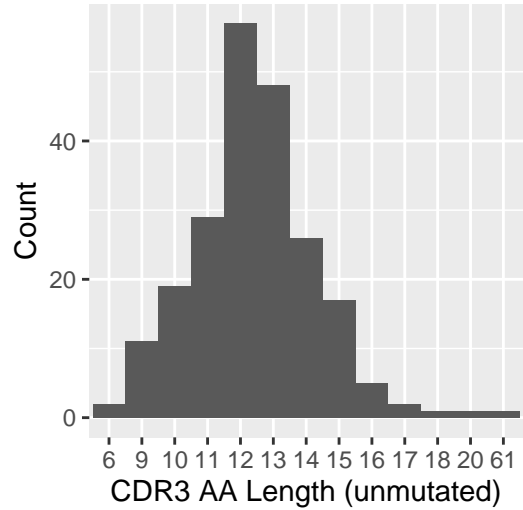


### TRBV7-8\*01

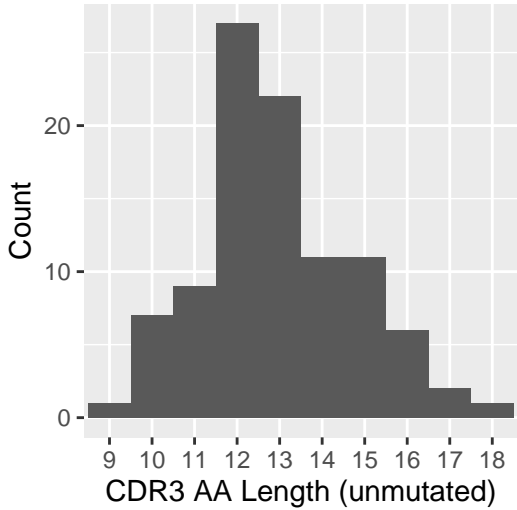
437 sequences assigned  
309 (70.7%) exact matches, in which:  
269 unique CDR3  
13 unique J



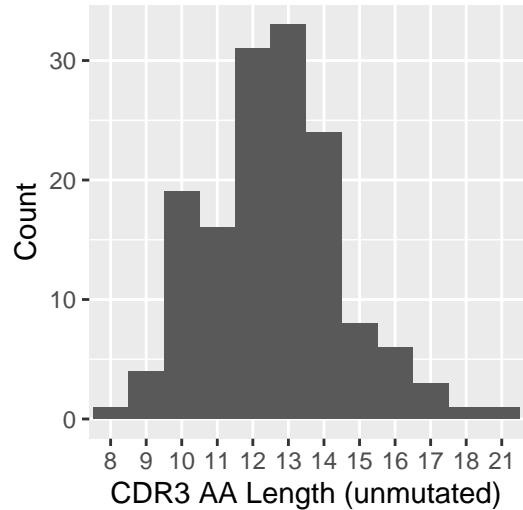
TRBV10-3\*03\_313GCCATC,



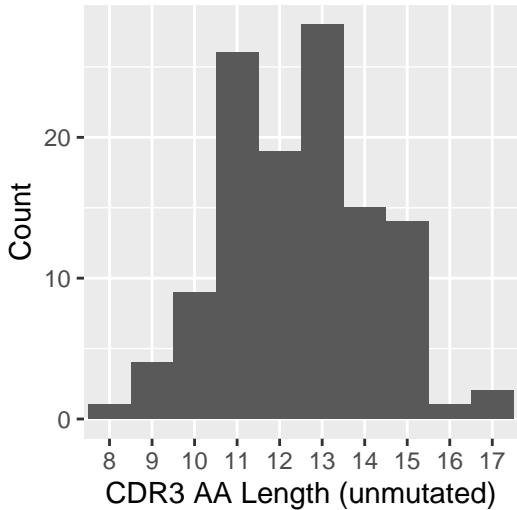
TRBV14\*02\_322CAAGA326



TRBV12-4\*01\_C87T



TRBV19\*01\_A24G



TRBV12-5\*01\_C28G

