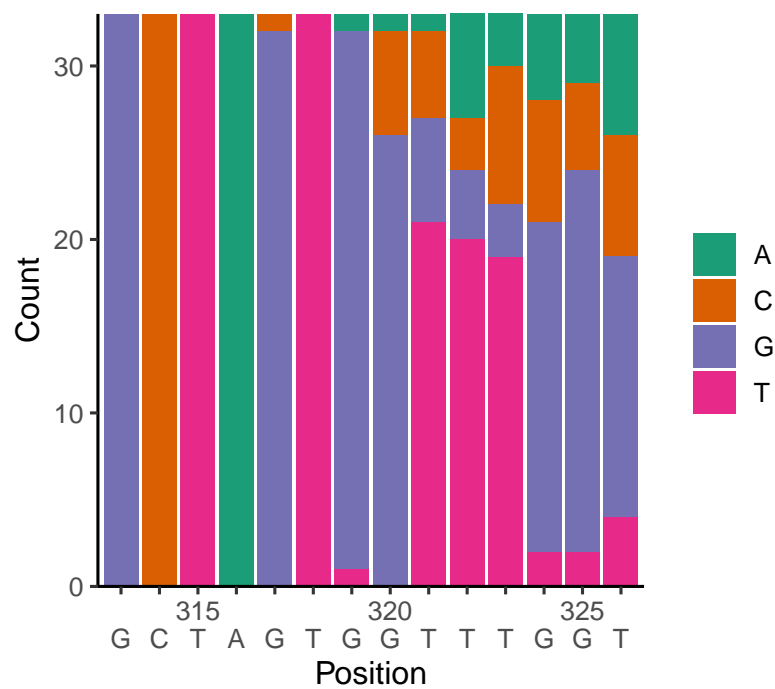
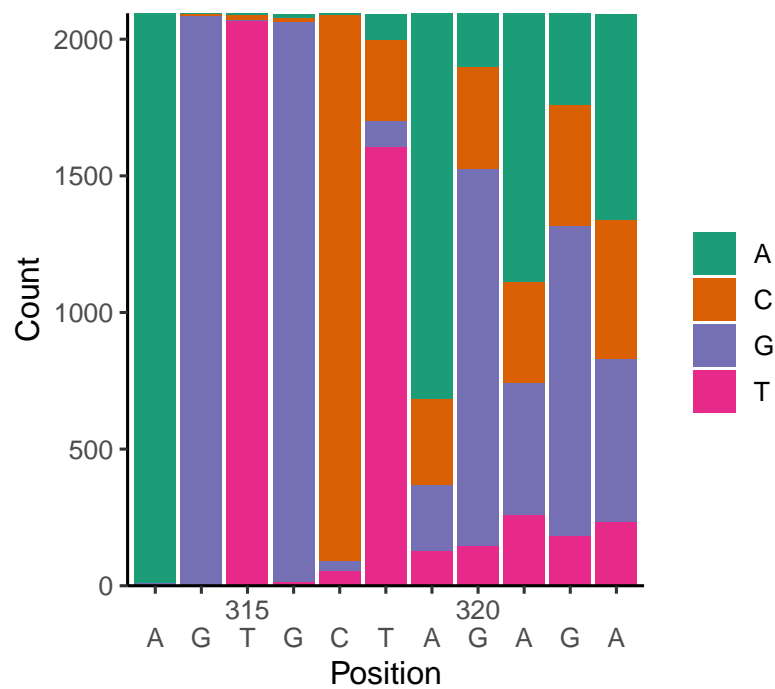


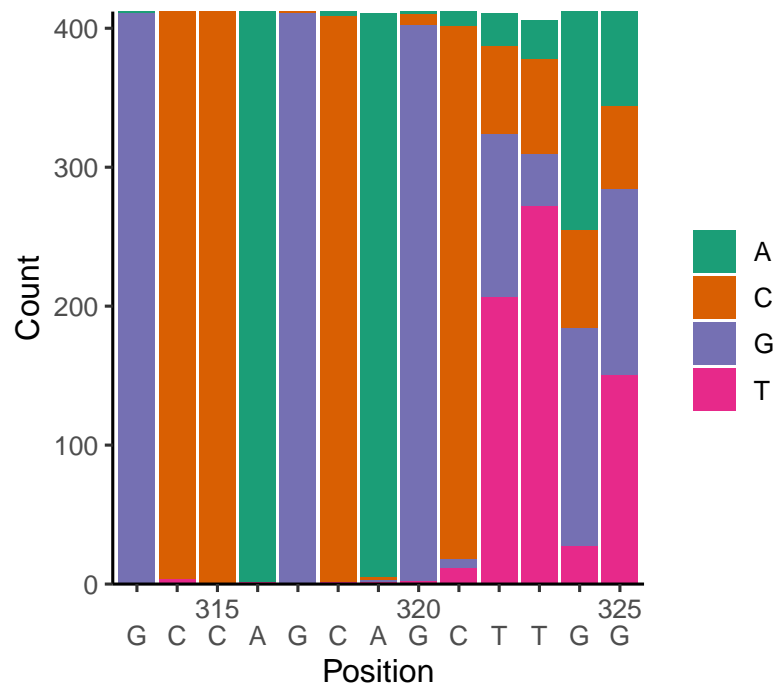
Gene TRBV12-5\*01\_C28G



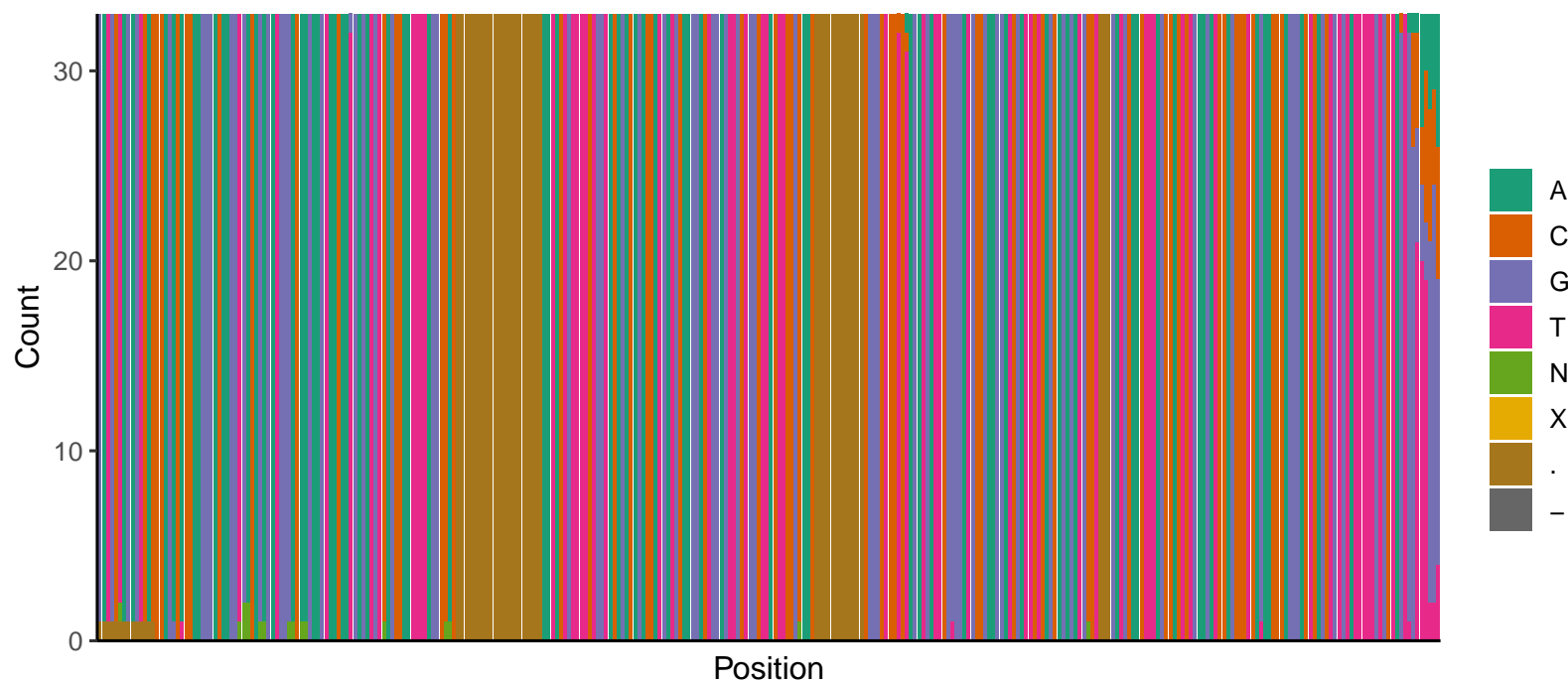
Gene TRBV20-1\*02\_319AGAGA323



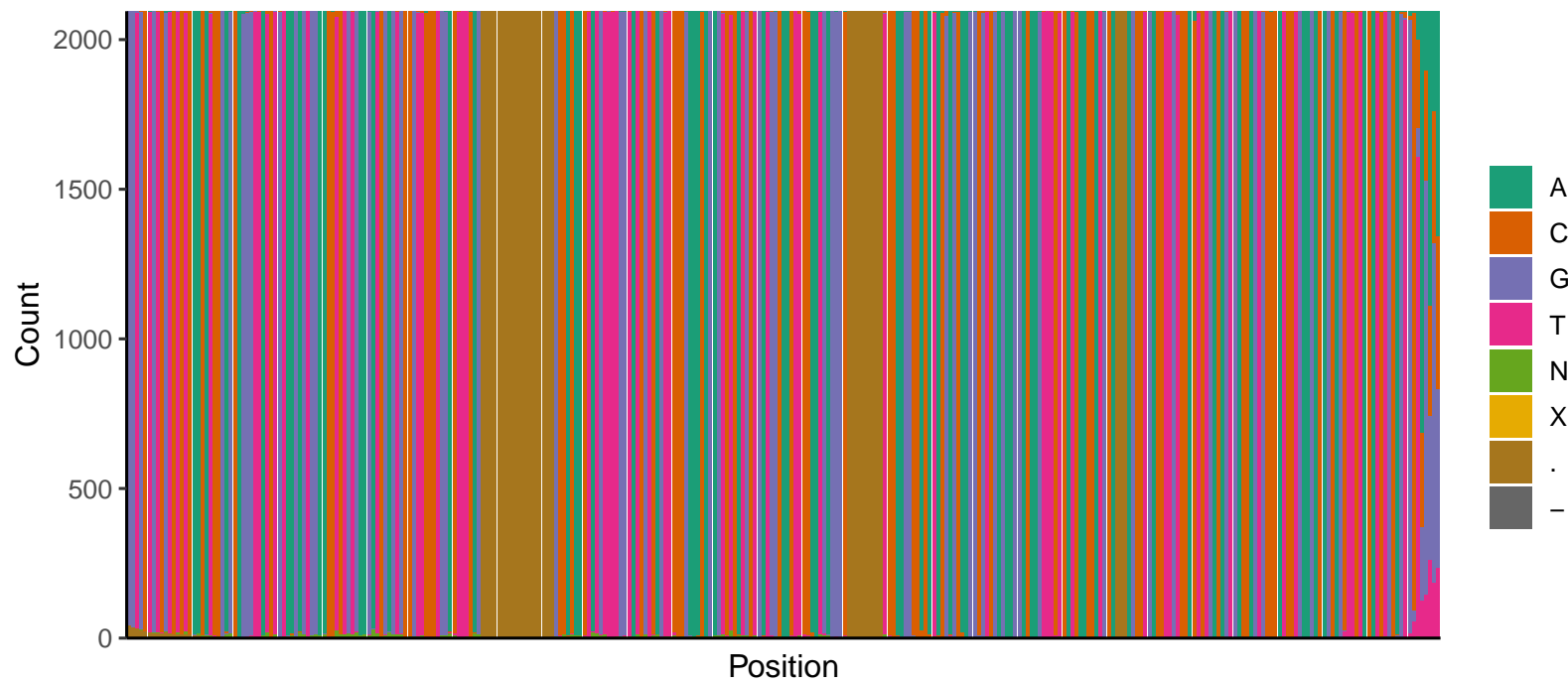
Gene TRBV5-6\*01\_T284G



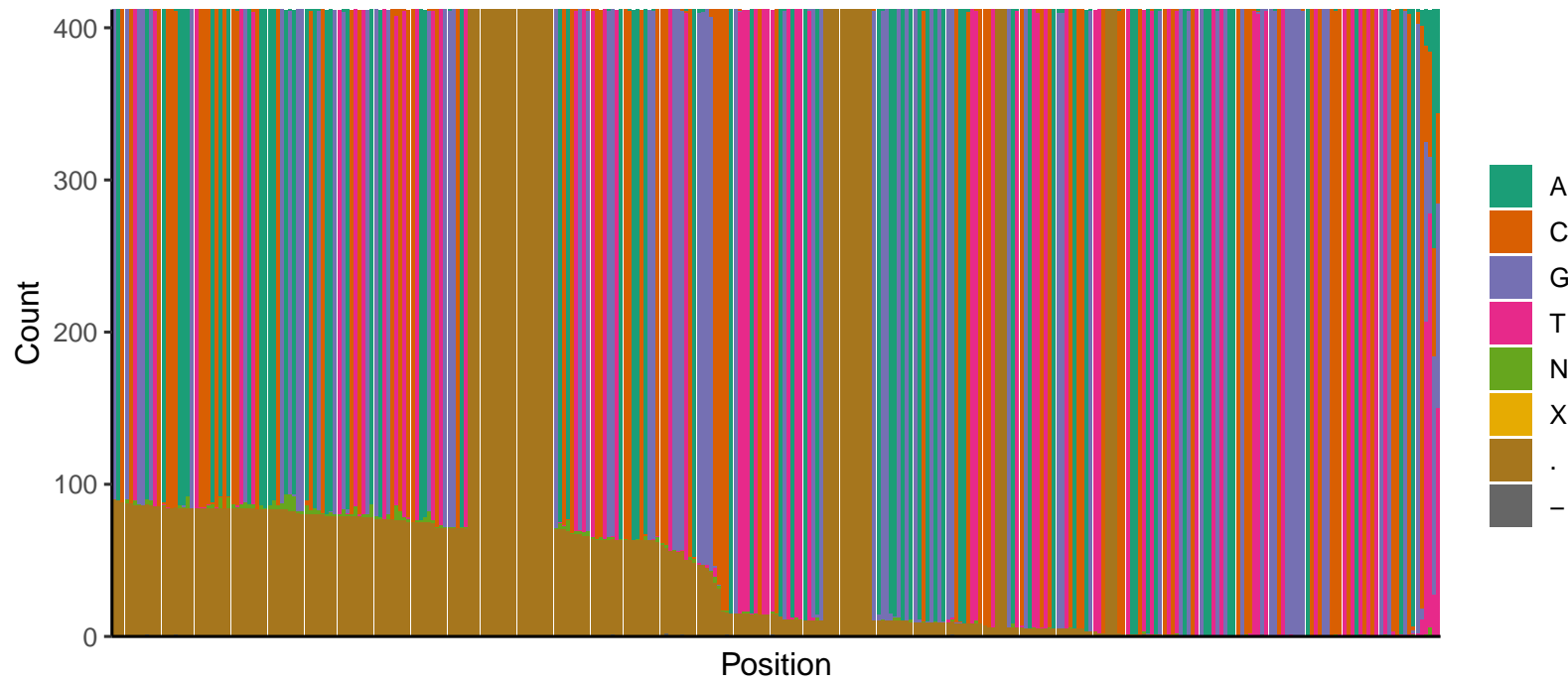
Gene TRBV12-5\*01\_C28G



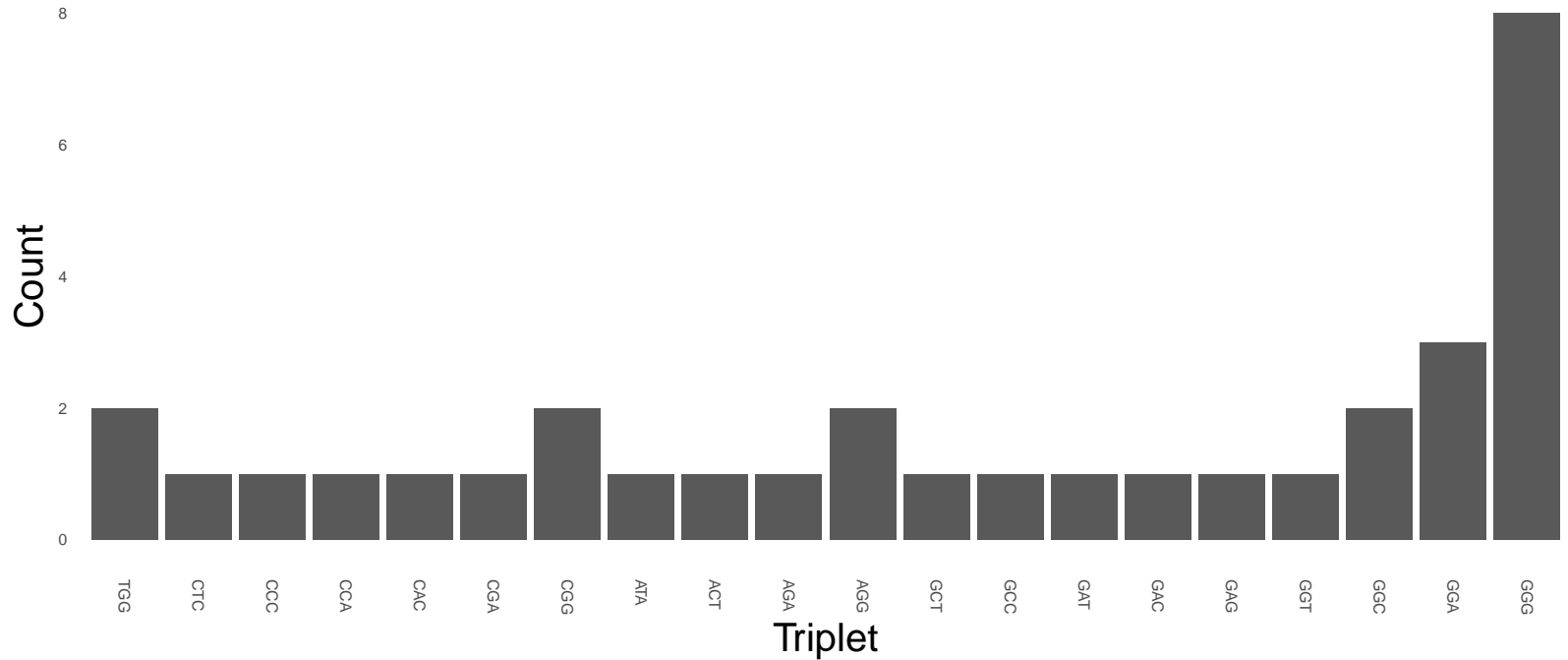
Gene TRBV20-1\*02\_319AGAGA323



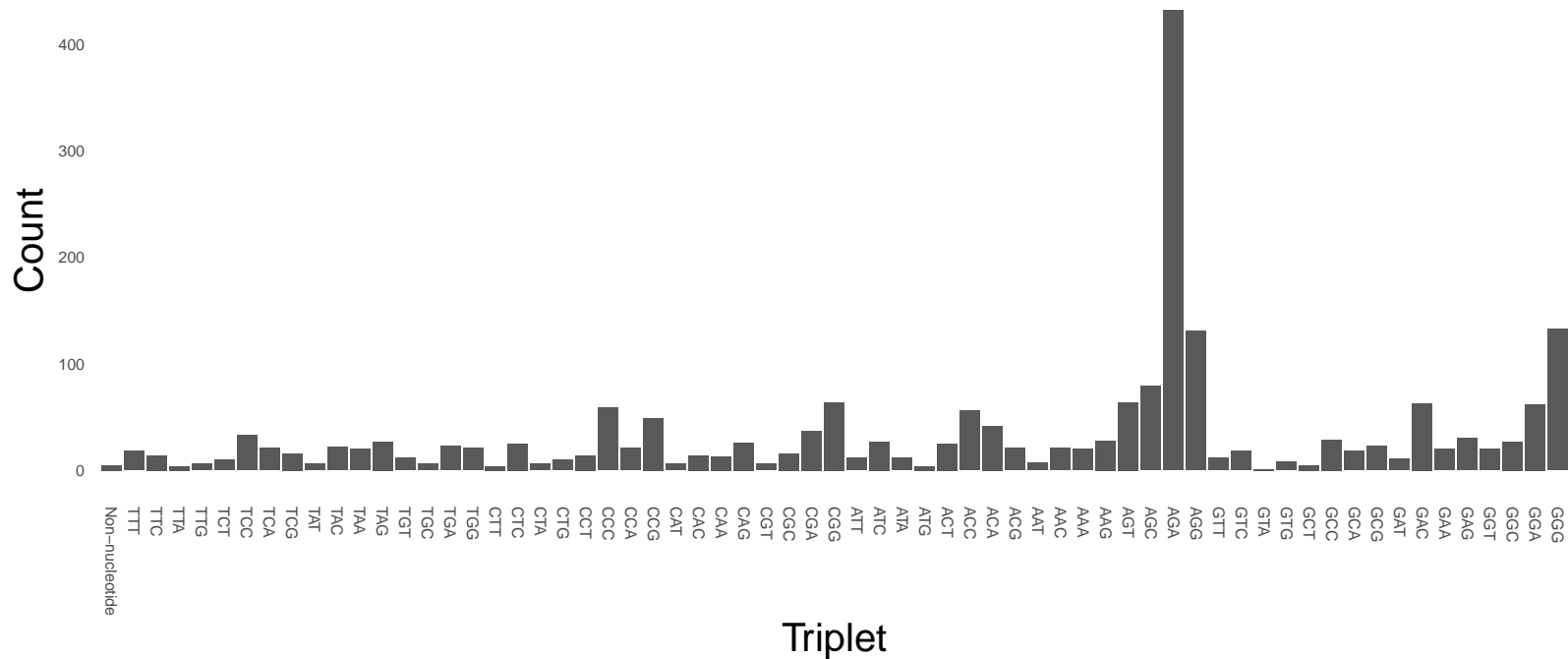
Gene TRBV5-6\*01\_T284G



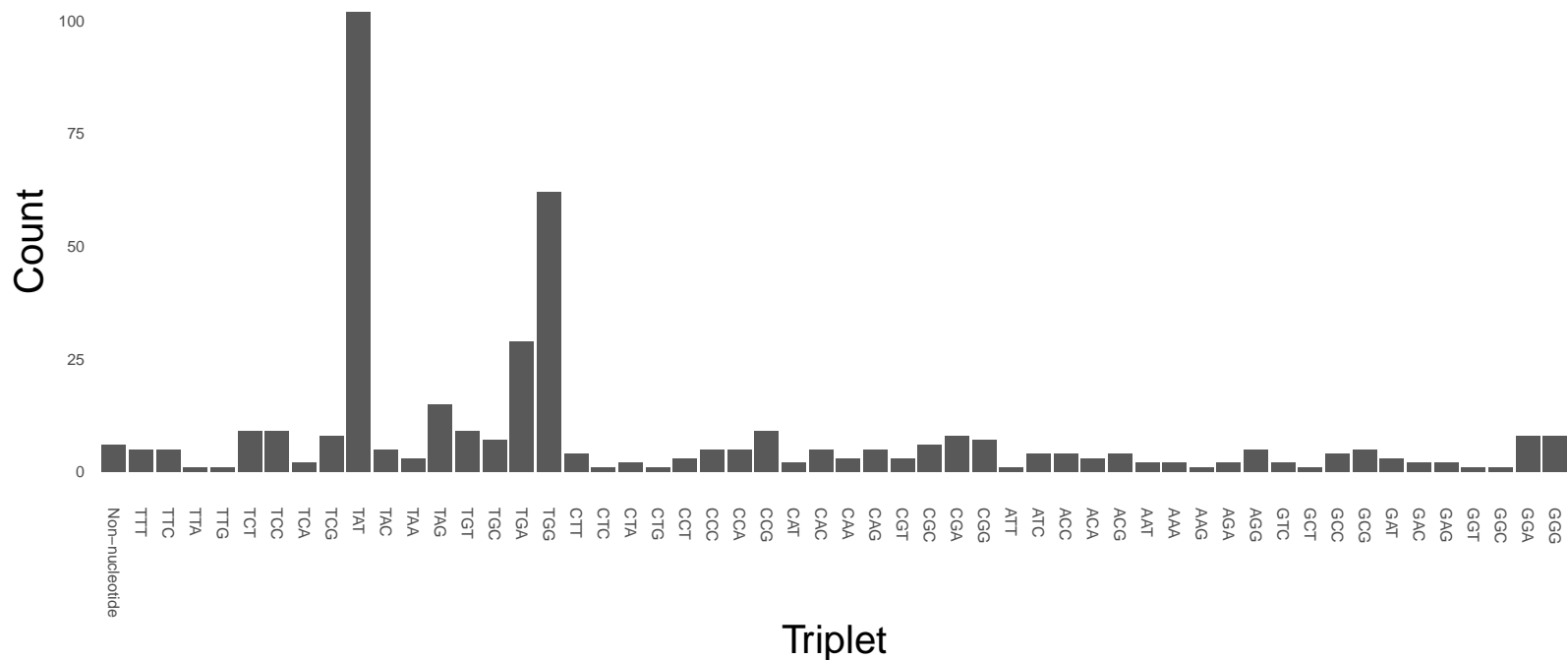
TRBV12-5\*01\_C28G- Final 3 nucleotides as a triplet



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

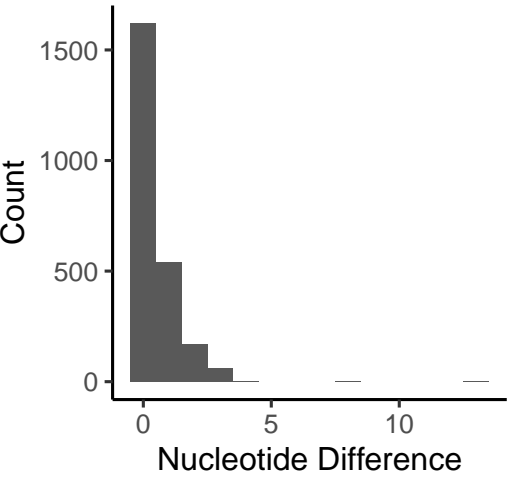


TRBV5-6\*01\_T284G- Final 3 nucleotides as a triplet



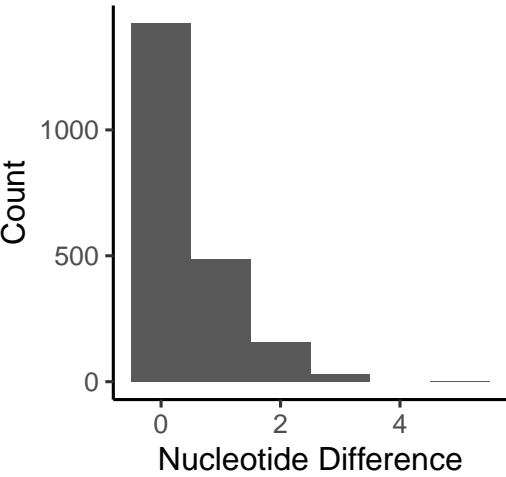
TRBV20-1\*01

2400 sequences assigned  
1620 (67.5%) exact matches, in which:  
1566 unique CDR3  
13 unique J



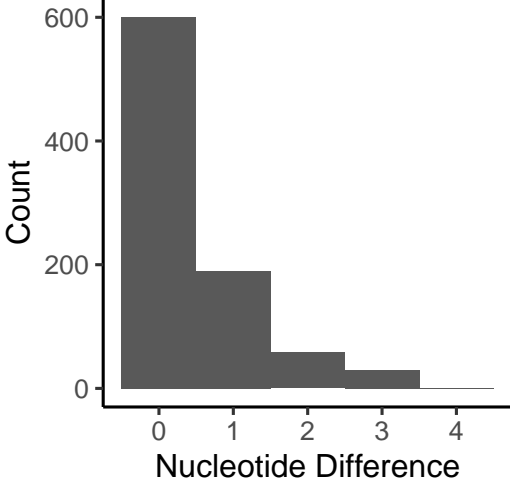
TRBV20-1\*02\_319AGA(

2095 sequences assigned  
1423 (67.9%) exact matches, in which:  
1364 unique CDR3  
13 unique J



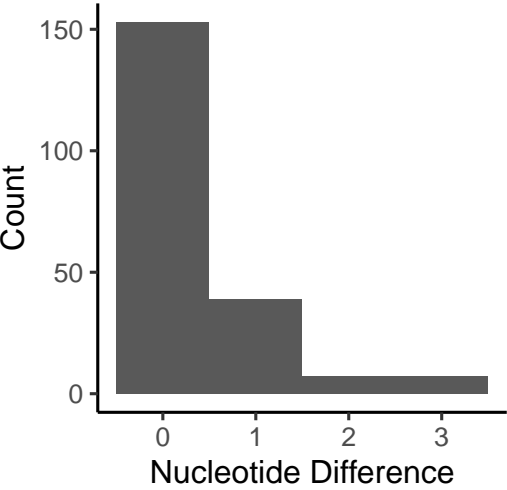
TRBV10-3\*01

880 sequences assigned  
601 (68.3%) exact matches, in which:  
553 unique CDR3  
13 unique J



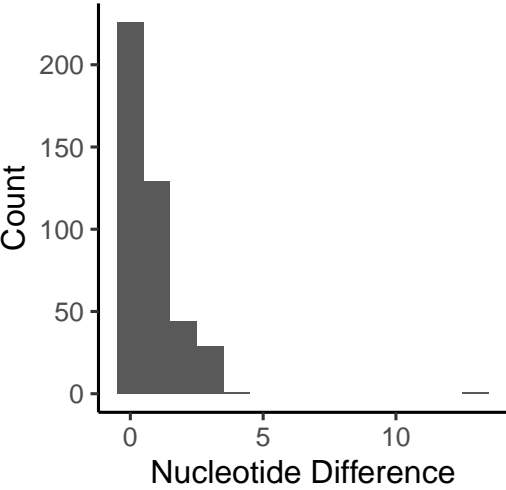
TRBV10-1\*01

206 sequences assigned  
153 (74.3%) exact matches, in which:  
137 unique CDR3  
12 unique J



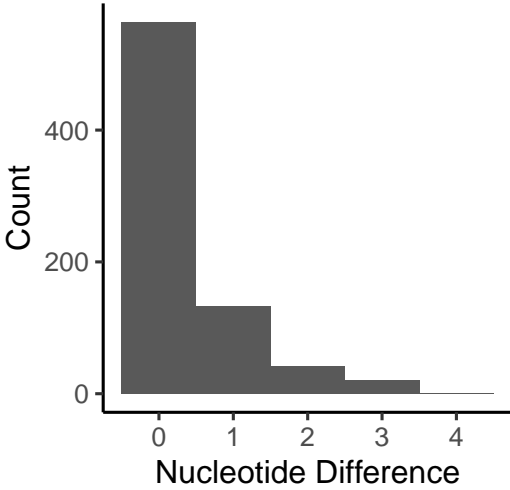
TRBV10-2\*01

432 sequences assigned  
226 (52.3%) exact matches, in which:  
147 unique CDR3  
12 unique J



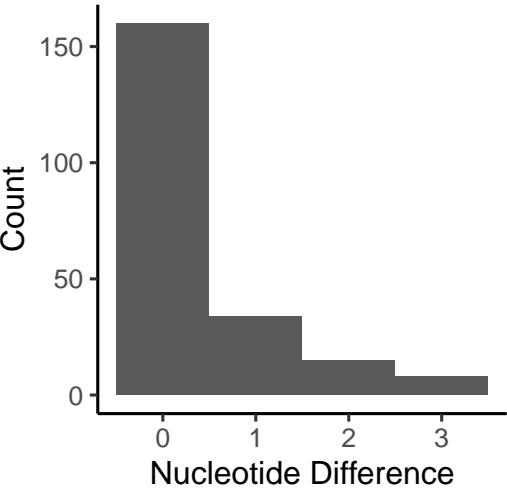
TRBV10-3\*02

760 sequences assigned  
564 (74.2%) exact matches, in which:  
526 unique CDR3  
13 unique J



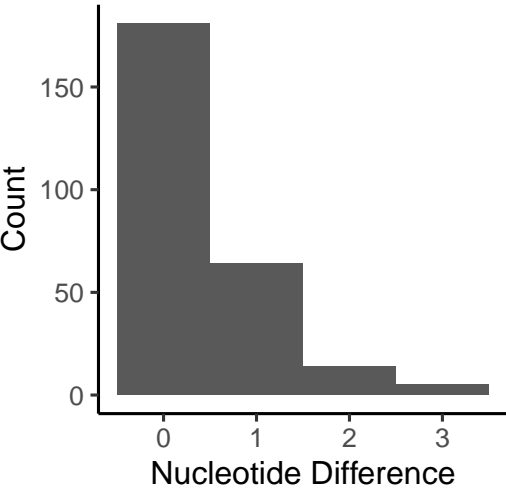
TRBV10-1\*02

218 sequences assigned  
160 (73.4%) exact matches, in which:  
150 unique CDR3  
12 unique J



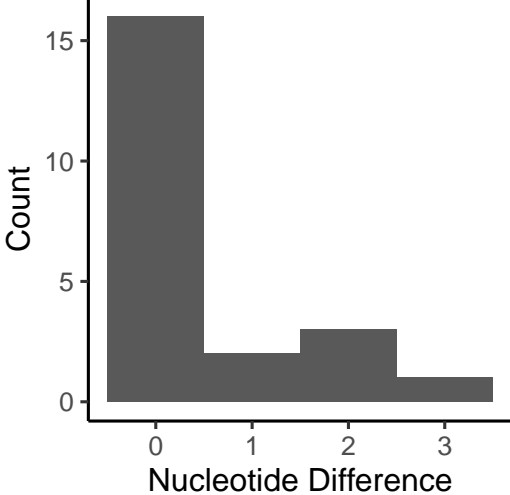
TRBV10-2\*02

264 sequences assigned  
181 (68.6%) exact matches, in which:  
139 unique CDR3  
13 unique J



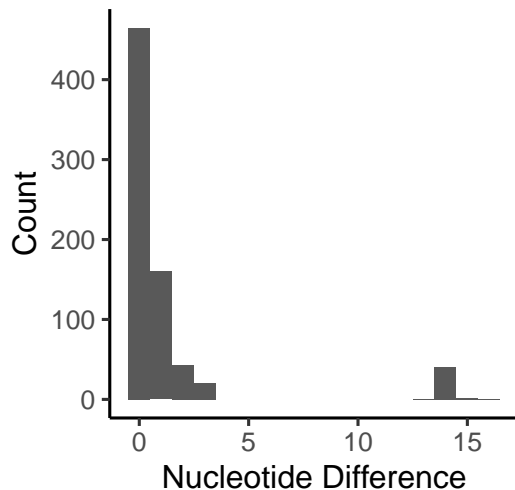
TRBV1\*01

22 sequences assigned  
16 (72.7%) exact matches, in which:  
13 unique CDR3  
6 unique J



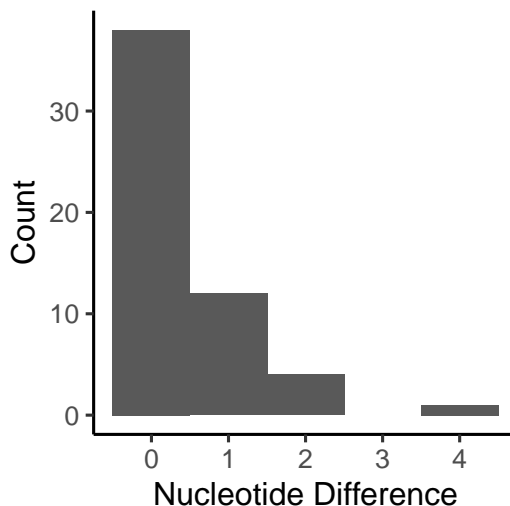
### TRBV13\*01

734 sequences assigned  
465 (63.4%) exact matches, in which:  
398 unique CDR3  
13 unique J



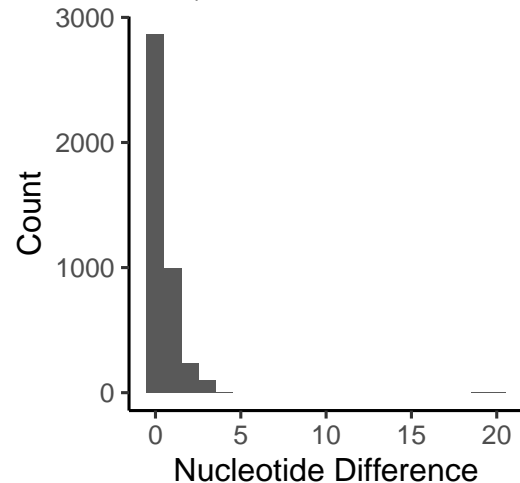
### TRBV16\*01

55 sequences assigned  
38 (69.1%) exact matches, in which:  
36 unique CDR3  
10 unique J



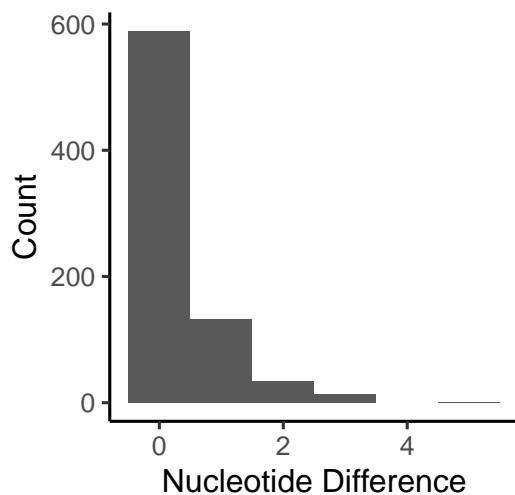
### TRBV2\*01

4213 sequences assigned  
2864 (68%) exact matches, in which:  
2411 unique CDR3  
13 unique J



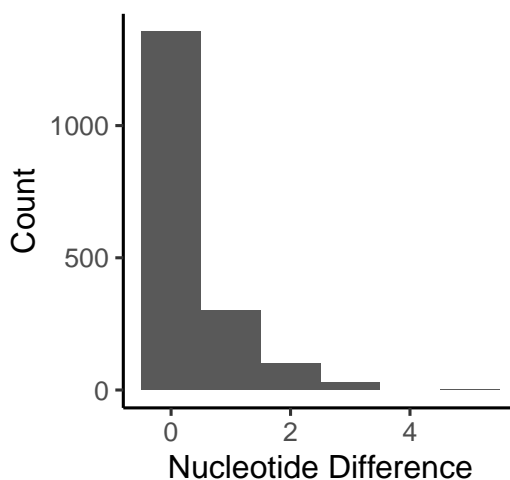
### TRBV14\*01

772 sequences assigned  
589 (76.3%) exact matches, in which:  
526 unique CDR3  
13 unique J



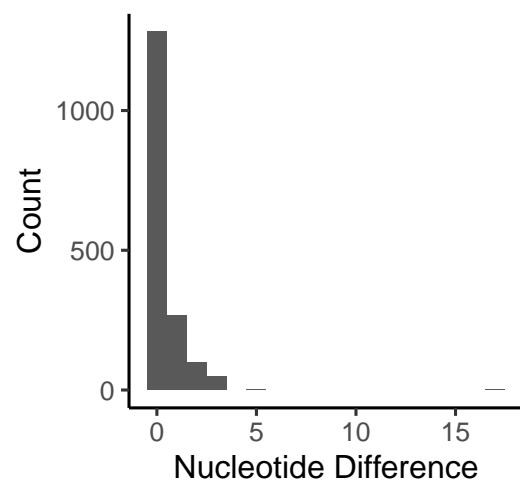
### TRBV18\*01

1791 sequences assigned  
1355 (75.7%) exact matches, in which:  
1211 unique CDR3  
13 unique J



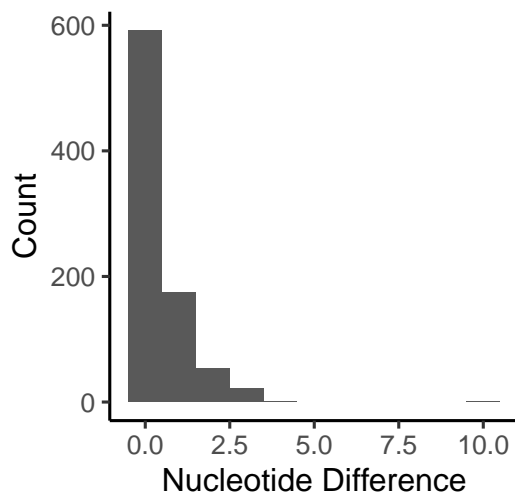
### TRBV27\*01

1696 sequences assigned  
1282 (75.6%) exact matches, in which:  
1212 unique CDR3  
13 unique J



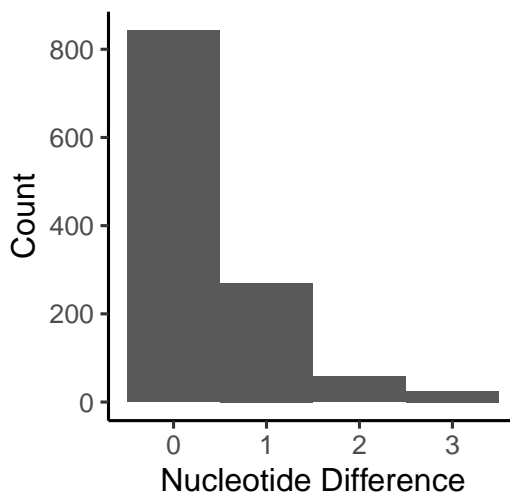
### TRBV15\*02

844 sequences assigned  
592 (70.1%) exact matches, in which:  
558 unique CDR3  
13 unique J



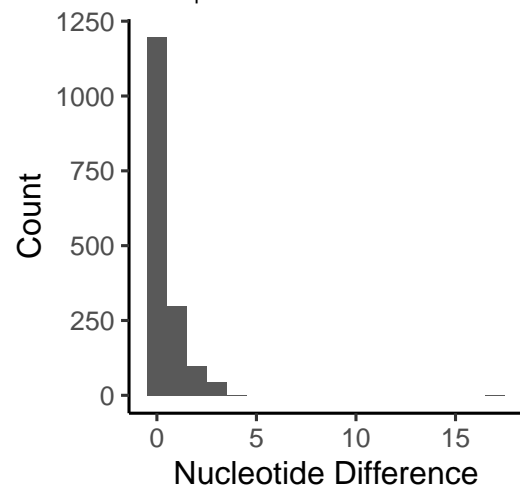
### TRBV19\*01

1196 sequences assigned  
843 (70.5%) exact matches, in which:  
672 unique CDR3  
13 unique J



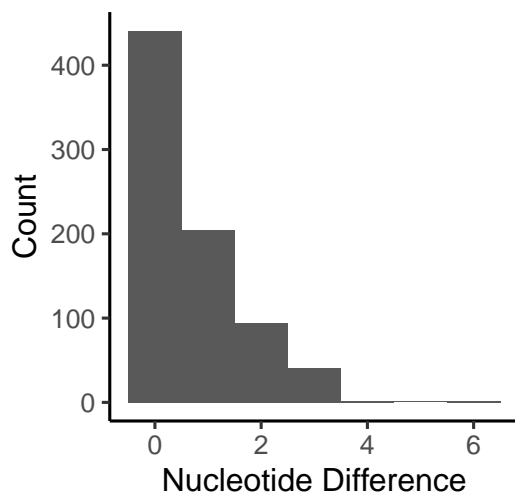
### TRBV28\*01

1640 sequences assigned  
1197 (73%) exact matches, in which:  
1062 unique CDR3  
13 unique J



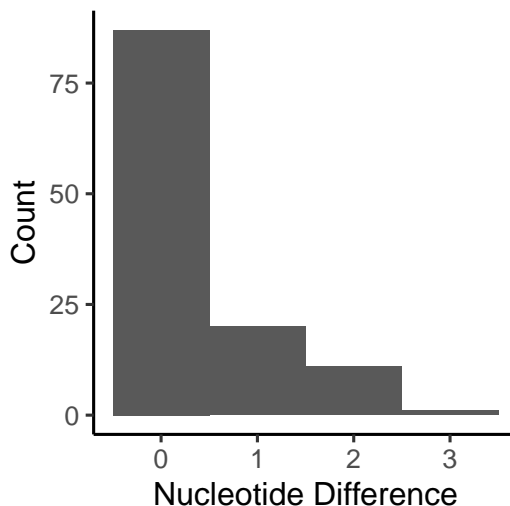
### TRBV30\*01

786 sequences assigned  
441 (56.1%) exact matches, in which:  
360 unique CDR3  
13 unique J



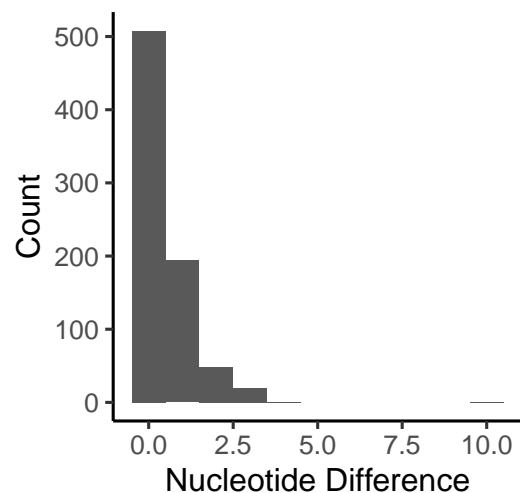
### TRBV11-1\*01

119 sequences assigned  
87 (73.1%) exact matches, in which:  
85 unique CDR3  
13 unique J



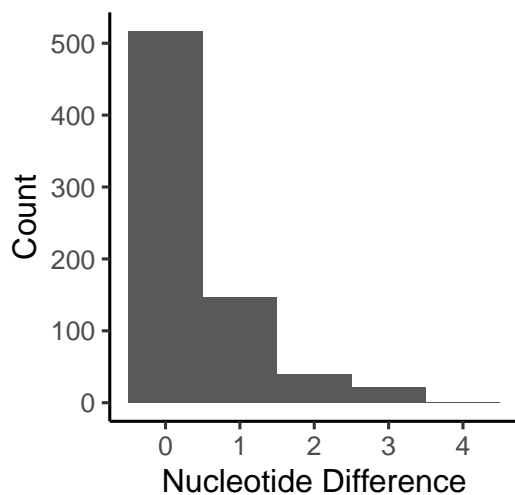
### TRBV11-2\*01

773 sequences assigned  
508 (65.7%) exact matches, in which:  
395 unique CDR3  
13 unique J



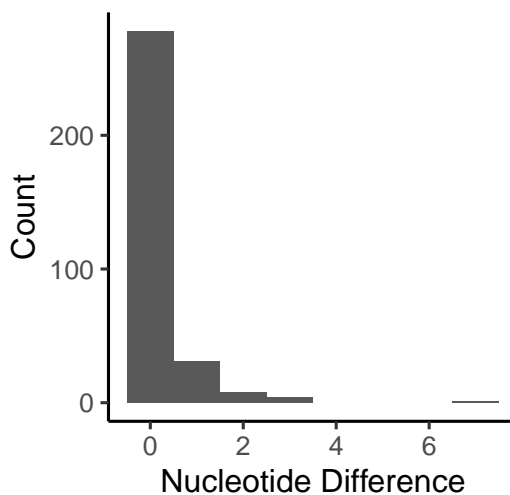
### TRBV9\*01

727 sequences assigned  
517 (71.1%) exact matches, in which:  
487 unique CDR3  
13 unique J



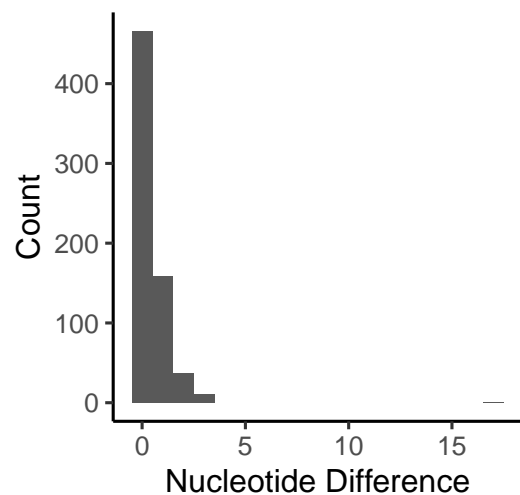
### TRBV21-1\*01

323 sequences assigned  
278 (86.1%) exact matches, in which:  
263 unique CDR3  
13 unique J



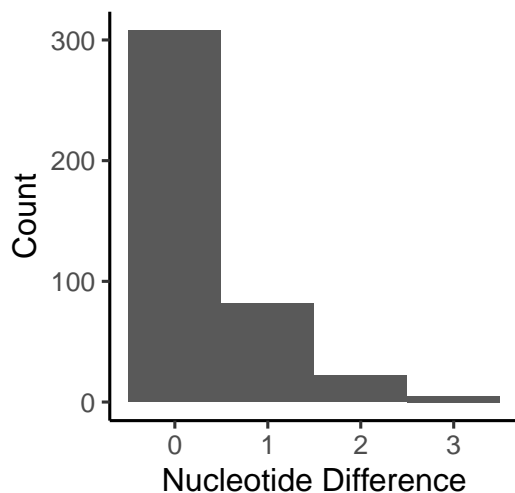
### TRBV11-2\*03

674 sequences assigned  
466 (69.1%) exact matches, in which:  
436 unique CDR3  
13 unique J



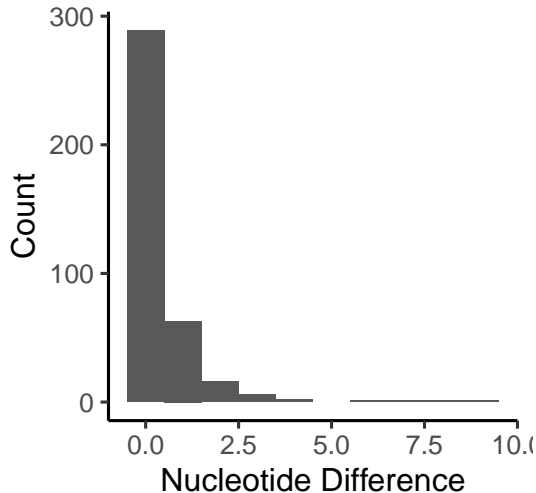
### TRBV9\*02

417 sequences assigned  
308 (73.9%) exact matches, in which:  
287 unique CDR3  
13 unique J



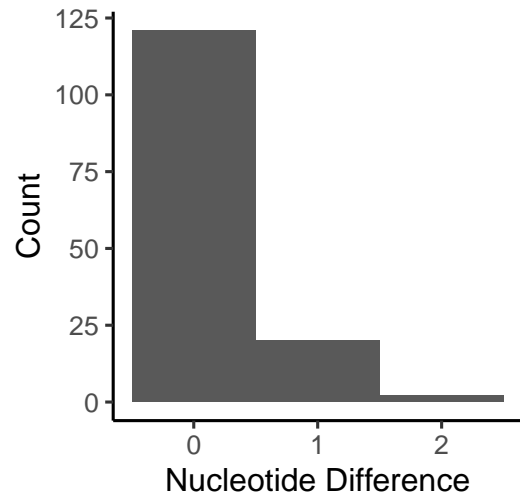
### TRBV21-1\*02

380 sequences assigned  
289 (76.1%) exact matches, in which:  
260 unique CDR3  
13 unique J



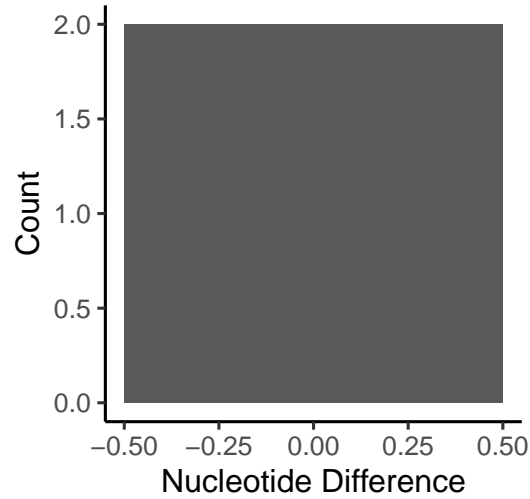
### TRBV11-3\*01

143 sequences assigned  
121 (84.6%) exact matches, in which:  
103 unique CDR3  
12 unique J



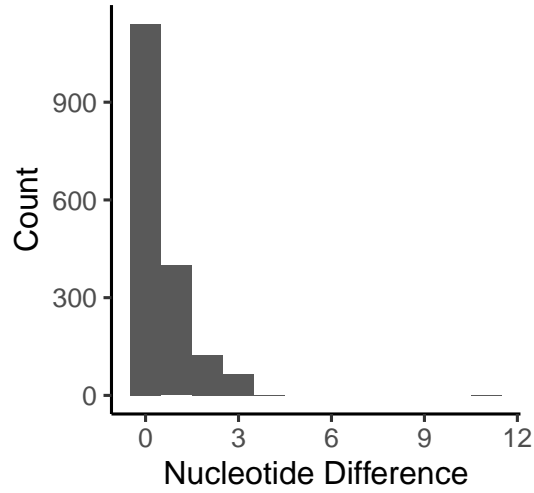
### TRBV12-1\*01

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



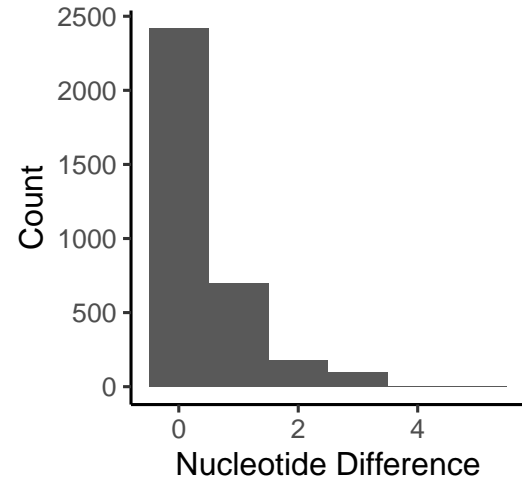
### TRBV12-4\*01

1733 sequences assigned  
1141 (65.8%) exact matches, in which:  
1015 unique CDR3  
13 unique J



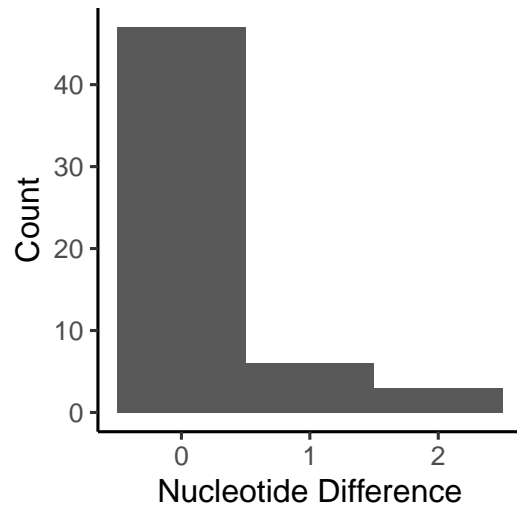
### TRBV3-1\*01

3395 sequences assigned  
2418 (71.2%) exact matches, in which:  
2044 unique CDR3  
13 unique J



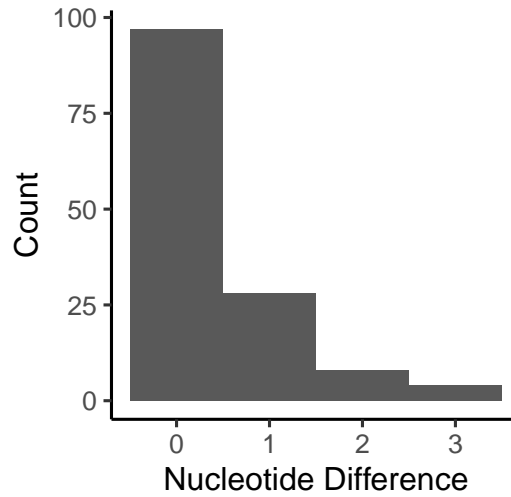
### TRBV12-2\*01

56 sequences assigned  
47 (83.9%) exact matches, in which:  
44 unique CDR3  
10 unique J



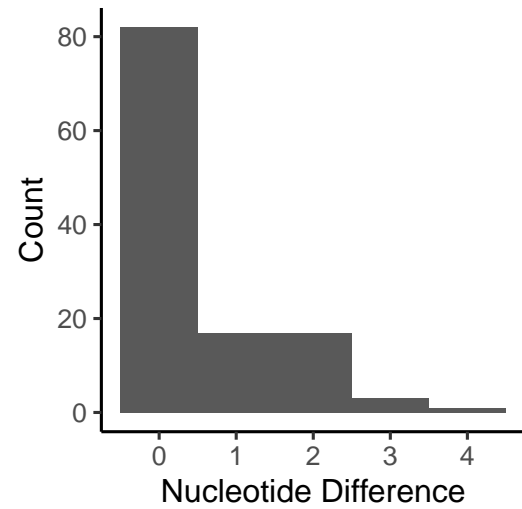
### TRBV12-5\*01

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



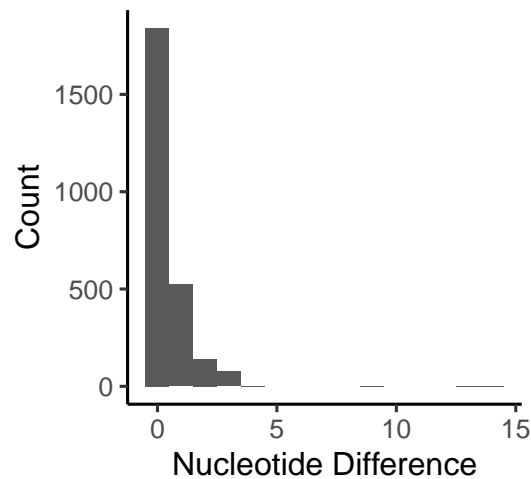
### TRBV23-1\*01

122 sequences assigned  
82 (67.2%) exact matches, in which:  
77 unique CDR3  
12 unique J



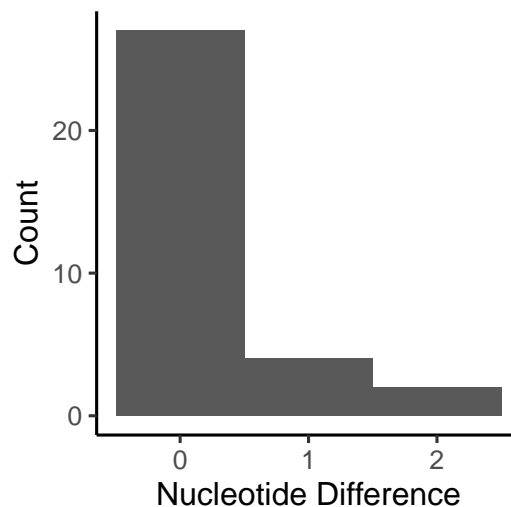
### TRBV12-3\*01

2585 sequences assigned  
1841 (71.2%) exact matches, in which:  
1719 unique CDR3  
13 unique J



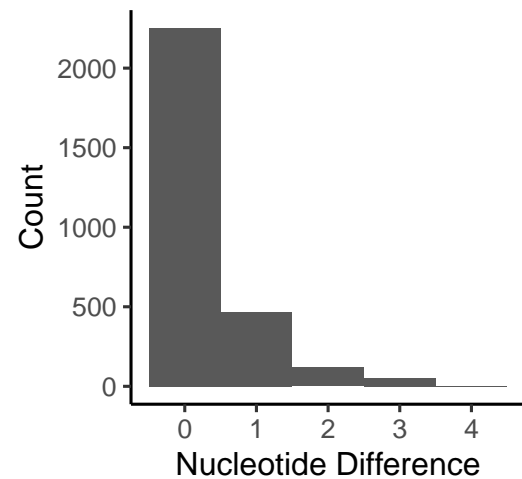
### TRBV12-5\*01\_C28G

33 sequences assigned  
27 (81.8%) exact matches, in which:  
27 unique CDR3  
8 unique J



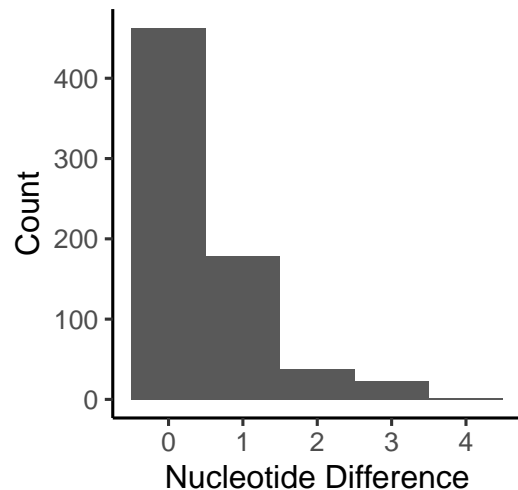
### TRBV4-1\*01

2893 sequences assigned  
2252 (77.8%) exact matches, in which:  
2063 unique CDR3  
13 unique J



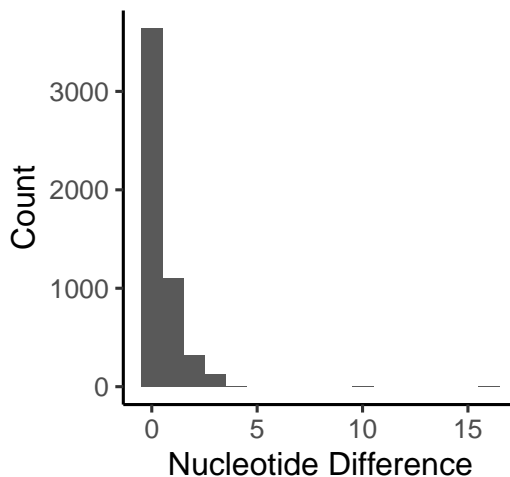
### TRBV24-1\*01

705 sequences assigned  
463 (65.7%) exact matches, in which:  
401 unique CDR3  
12 unique J



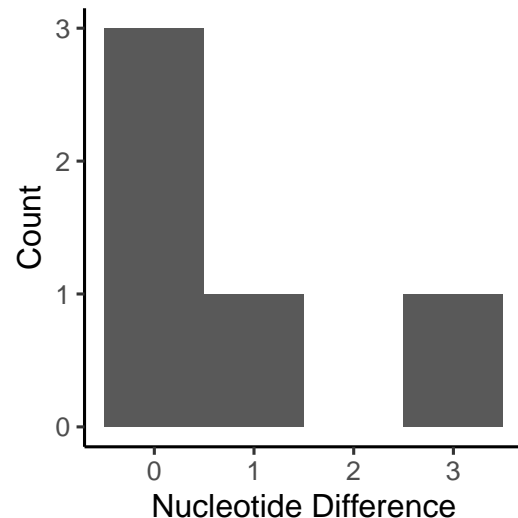
### TRBV5-1\*01

5197 sequences assigned  
3640 (70%) exact matches, in which:  
3427 unique CDR3  
13 unique J



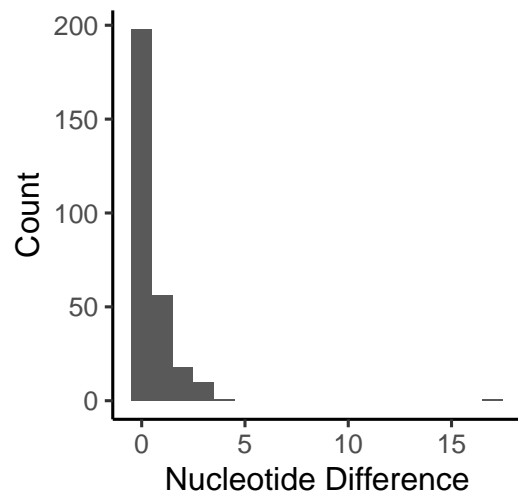
### TRBV5-3\*02

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



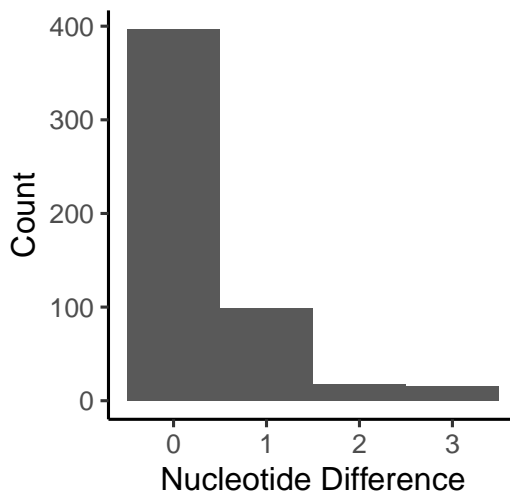
### TRBV24-1\*02

284 sequences assigned  
198 (69.7%) exact matches, in which:  
181 unique CDR3  
12 unique J



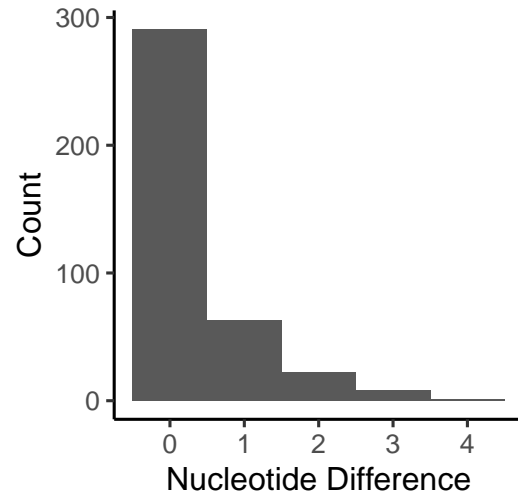
### TRBV25-1\*01

529 sequences assigned  
397 (75%) exact matches, in which:  
361 unique CDR3  
13 unique J



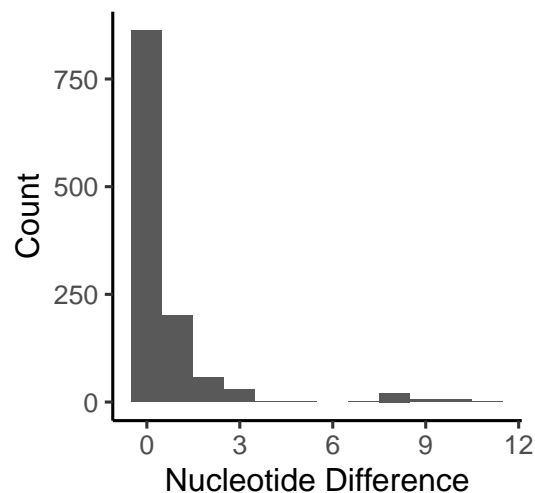
### TRBV5-4\*01

387 sequences assigned  
291 (75.2%) exact matches, in which:  
271 unique CDR3  
13 unique J



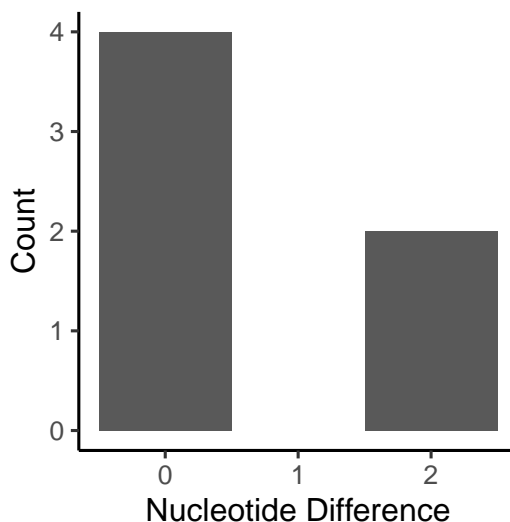
### TRBV4-2\*01

1187 sequences assigned  
863 (72.7%) exact matches, in which:  
766 unique CDR3  
13 unique J



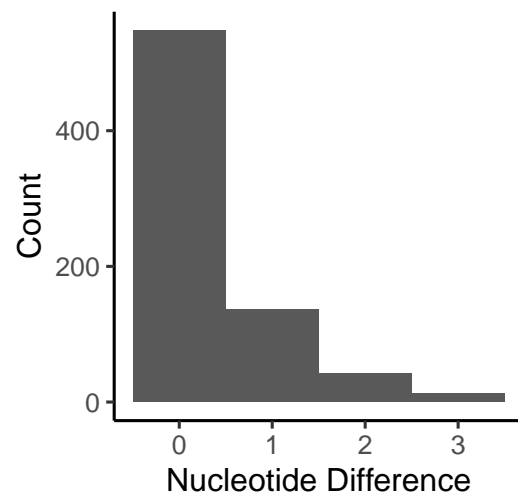
### TRBV5-3\*01

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



### TRBV5-5\*01

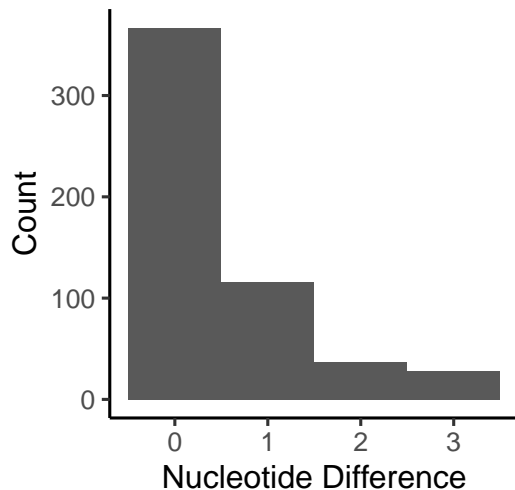
741 sequences assigned  
548 (74%) exact matches, in which:  
528 unique CDR3  
13 unique J





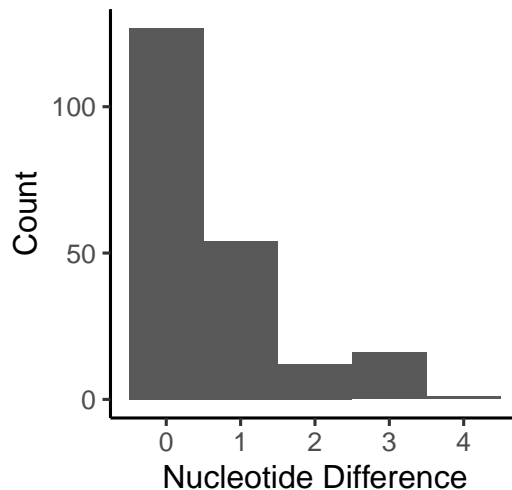
### TRBV5-6\*01

548 sequences assigned  
367 (67%) exact matches, in which:  
297 unique CDR3  
13 unique J



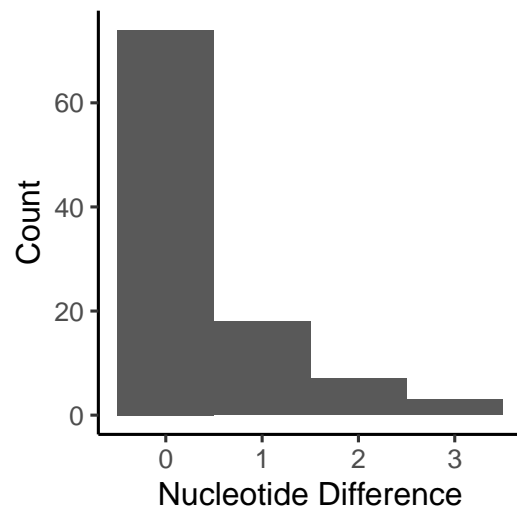
### TRBV5-8\*01

210 sequences assigned  
127 (60.5%) exact matches, in which:  
86 unique CDR3  
12 unique J



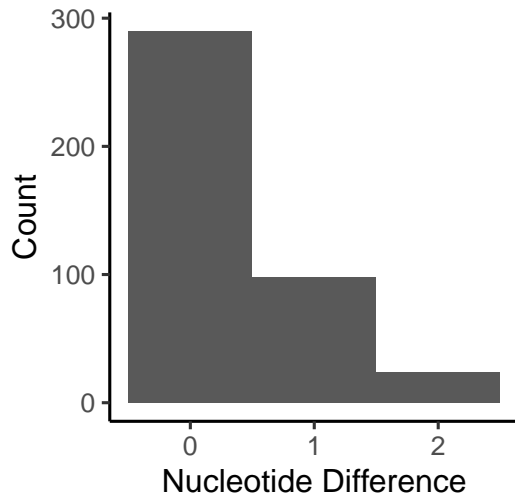
### TRBV6-4\*02

102 sequences assigned  
74 (72.5%) exact matches, in which:  
70 unique CDR3  
12 unique J



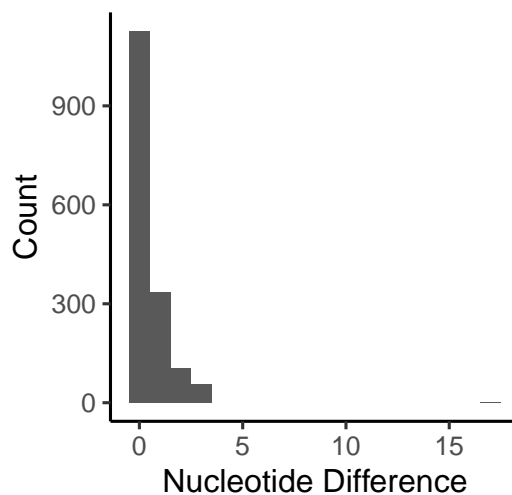
### TRBV5-6\*01\_T284G

412 sequences assigned  
290 (70.4%) exact matches, in which:  
232 unique CDR3  
13 unique J



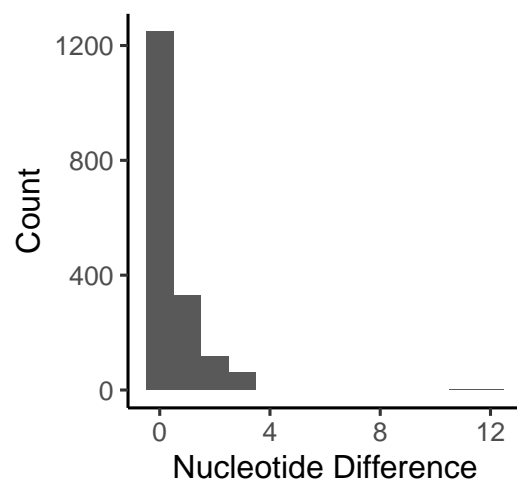
### TRBV6-1\*01

1634 sequences assigned  
1127 (69%) exact matches, in which:  
1009 unique CDR3  
13 unique J



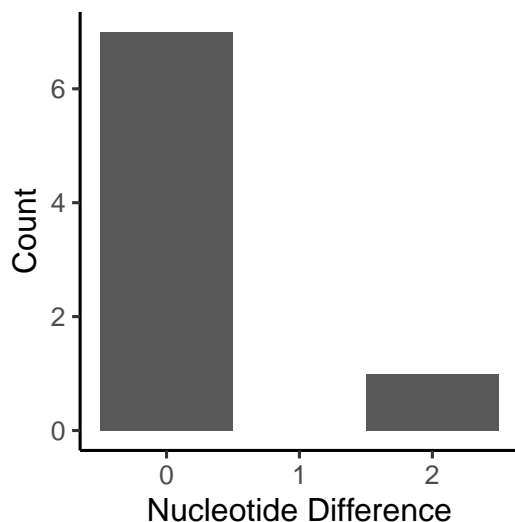
### TRBV6-5\*01

1760 sequences assigned  
1248 (70.9%) exact matches, in which:  
1178 unique CDR3  
13 unique J



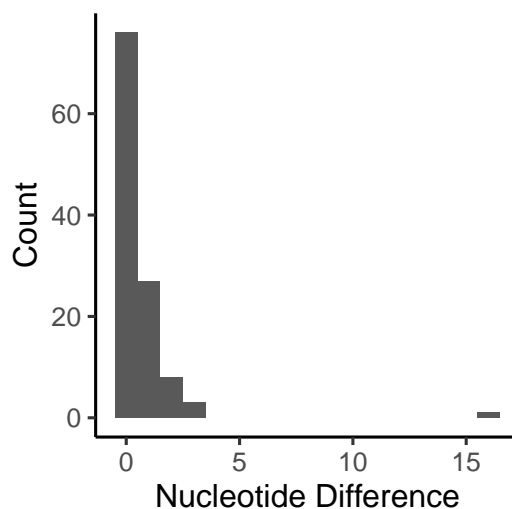
### TRBV5-7\*01

8 sequences assigned  
7 (87.5%) exact matches, in which:  
6 unique CDR3  
5 unique J



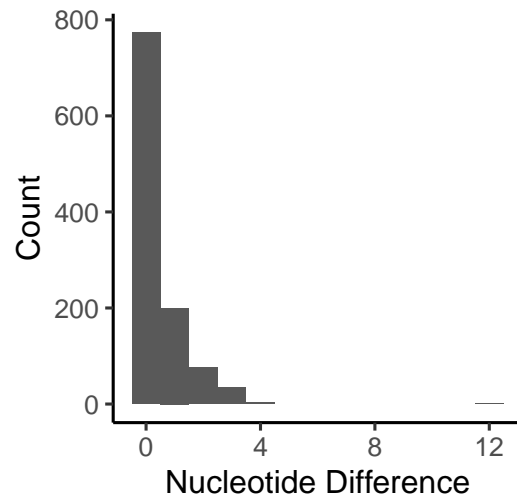
### TRBV6-4\*01

115 sequences assigned  
76 (66.1%) exact matches, in which:  
69 unique CDR3  
13 unique J



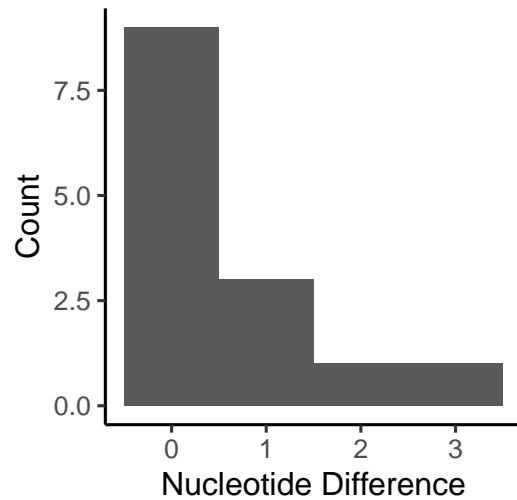
### TRBV6-6\*02

1093 sequences assigned  
774 (70.8%) exact matches, in which:  
703 unique CDR3  
13 unique J



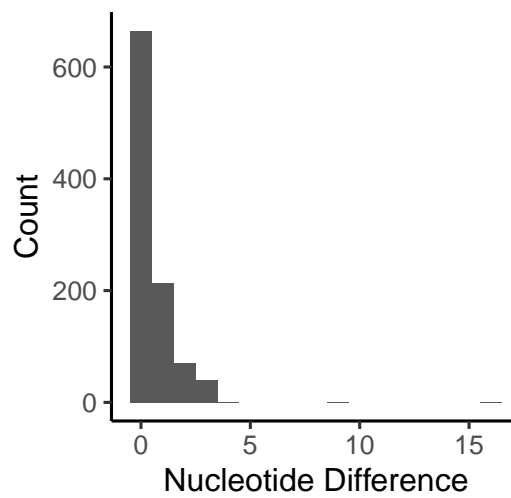
### TRBV6-7\*01

14 sequences assigned  
9 (64.3%) exact matches, in which:  
9 unique CDR3  
7 unique J



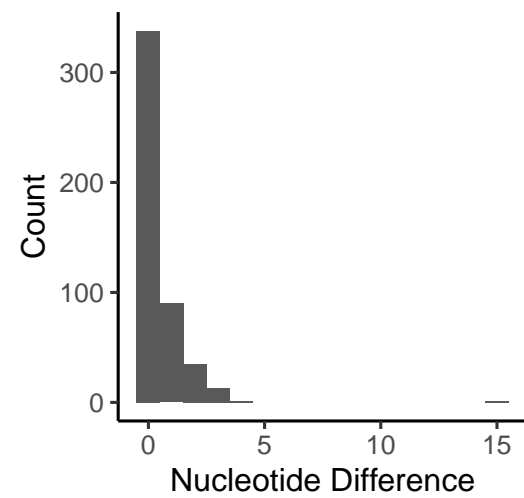
### TRBV6-23\*01

992 sequences assigned  
665 (67%) exact matches, in which:  
604 unique CDR3  
13 unique J



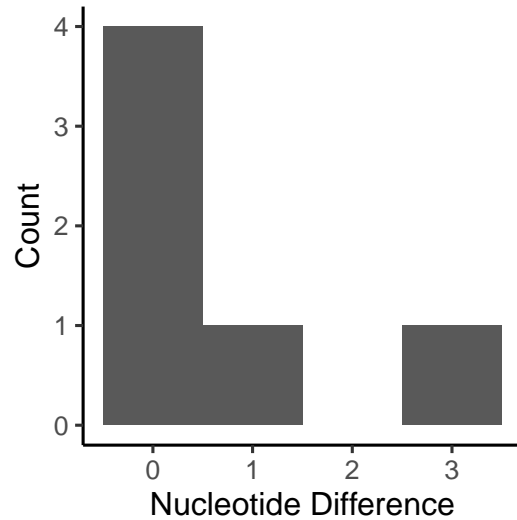
### TRBV7-3\*01

480 sequences assigned  
338 (70.4%) exact matches, in which:  
317 unique CDR3  
13 unique J



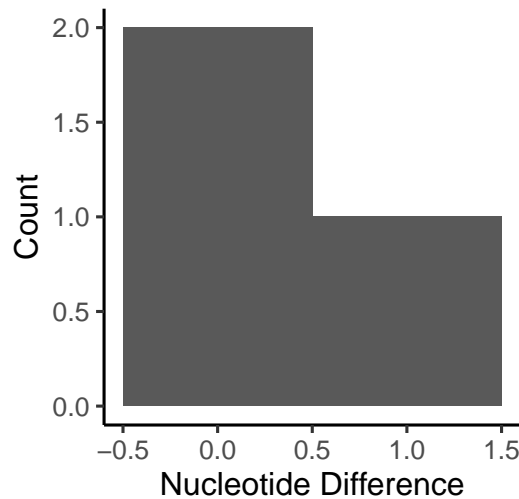
### TRBV6-8\*01

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



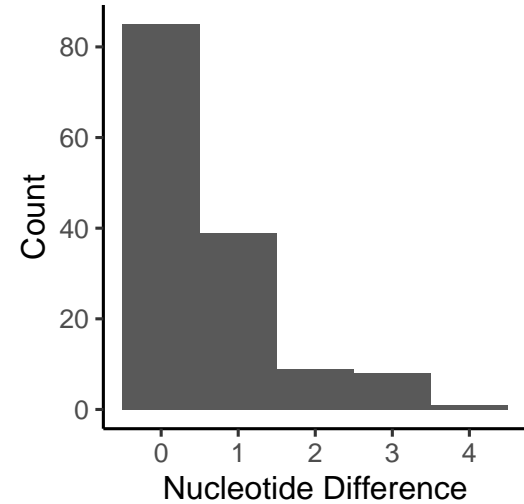
### TRBV7-1\*01

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



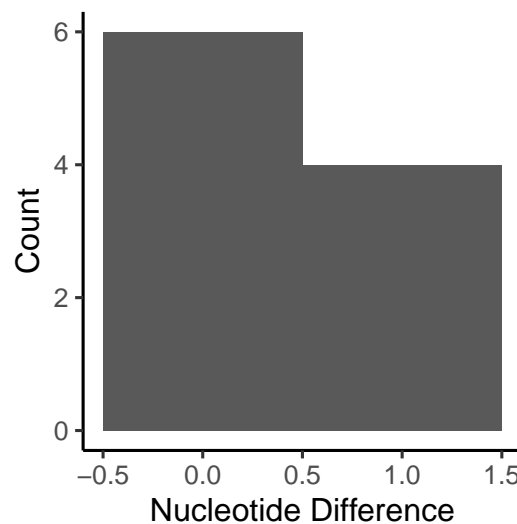
### TRBV7-3\*03

143 sequences assigned  
85 (59.4%) exact matches, in which:  
72 unique CDR3  
13 unique J



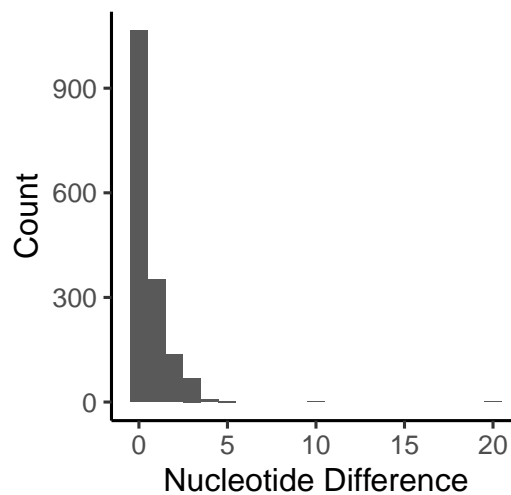
### TRBV6-9\*01

10 sequences assigned  
6 (60%) exact matches, in which:  
6 unique CDR3  
5 unique J



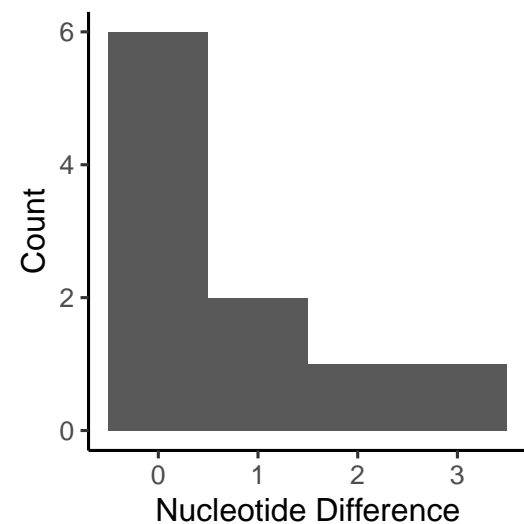
### TRBV7-2\*02

1637 sequences assigned  
1066 (65.1%) exact matches, in which:  
957 unique CDR3  
13 unique J



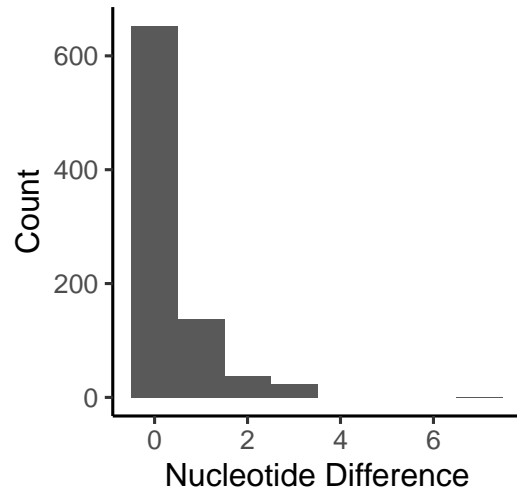
### TRBV7-4\*01

10 sequences assigned  
6 (60%) exact matches, in which:  
6 unique CDR3  
3 unique J



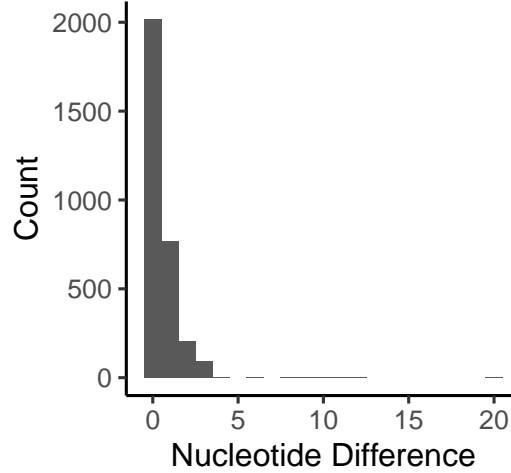
### TRBV7-6\*01

855 sequences assigned  
653 (76.4%) exact matches, in which:  
562 unique CDR3  
13 unique J



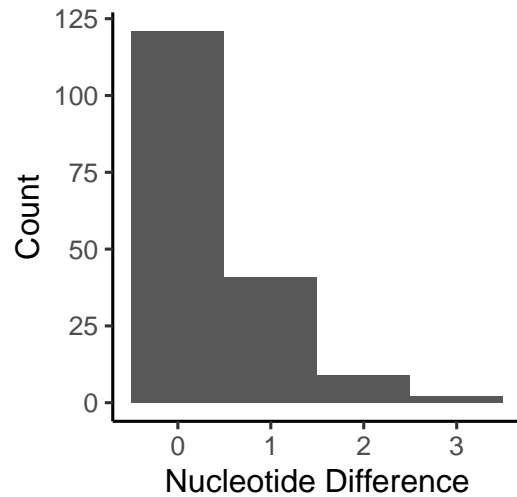
### TRBV7-9\*03

3091 sequences assigned  
2016 (65.2%) exact matches, in which:  
1663 unique CDR3  
13 unique J



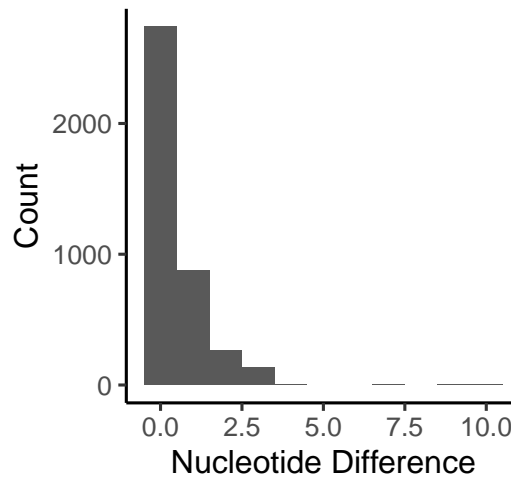
### TRBV7-7\*01

173 sequences assigned  
121 (69.9%) exact matches, in which:  
115 unique CDR3  
12 unique J



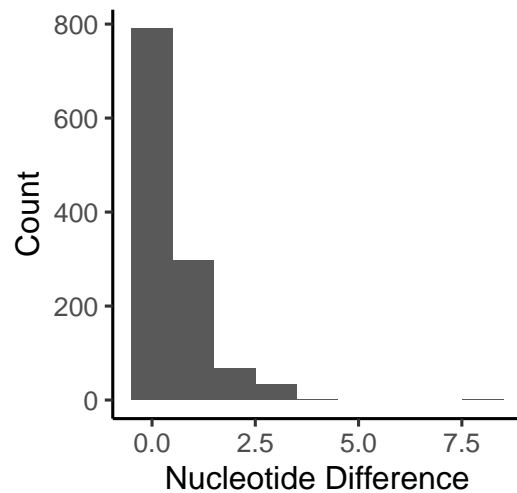
### TRBV29-1\*01

4015 sequences assigned  
2740 (68.2%) exact matches, in which:  
2394 unique CDR3  
13 unique J

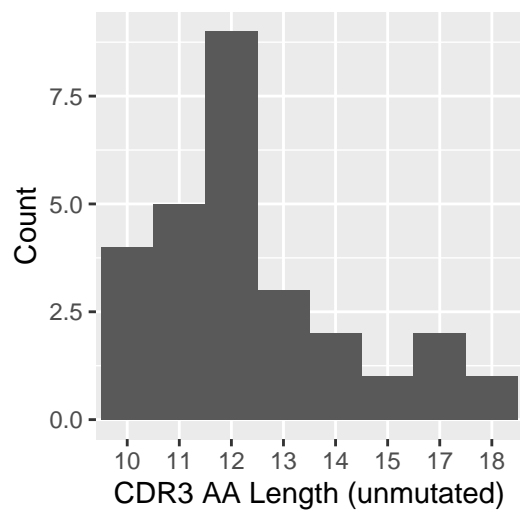


### TRBV7-8\*01

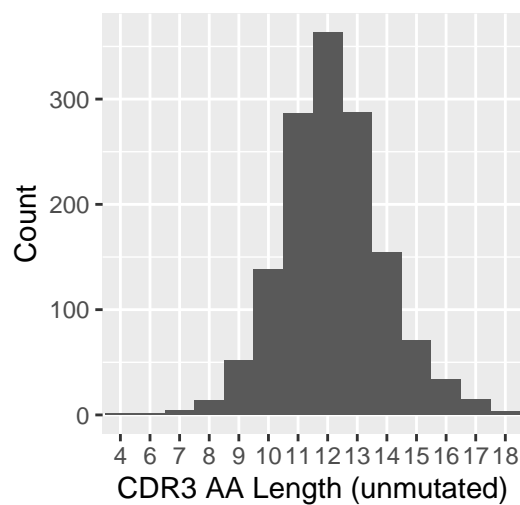
1191 sequences assigned  
791 (66.4%) exact matches, in which:  
679 unique CDR3  
13 unique J



TRBV12-5\*01\_C28G



TRBV20-1\*02\_319AGAGA323



TRBV5-6\*01\_T284G

