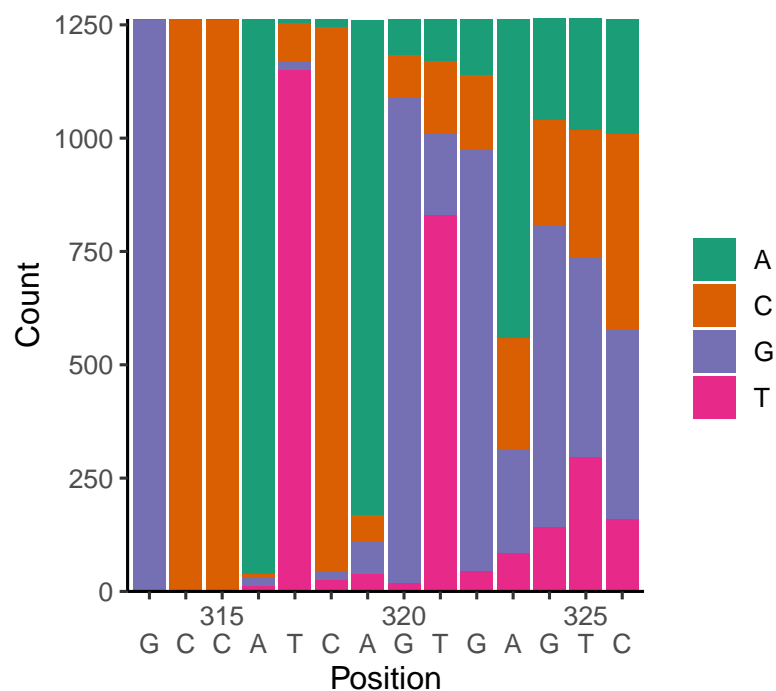
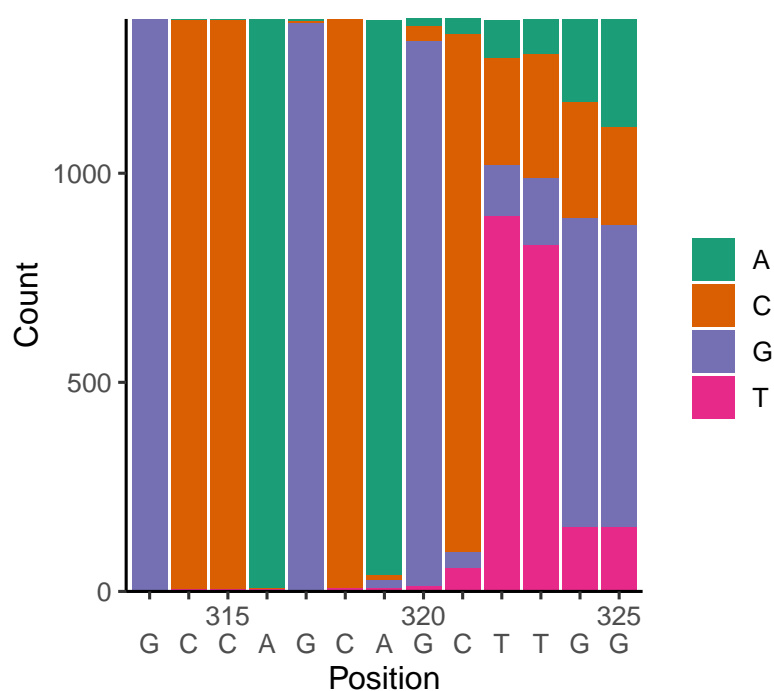


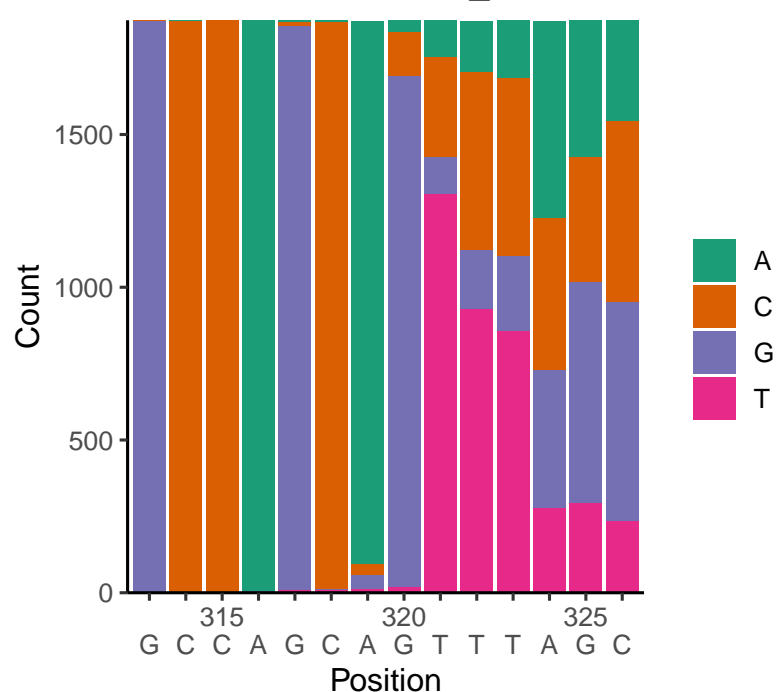
Gene TRBV10-3\*03\_313GCCATCAGTG



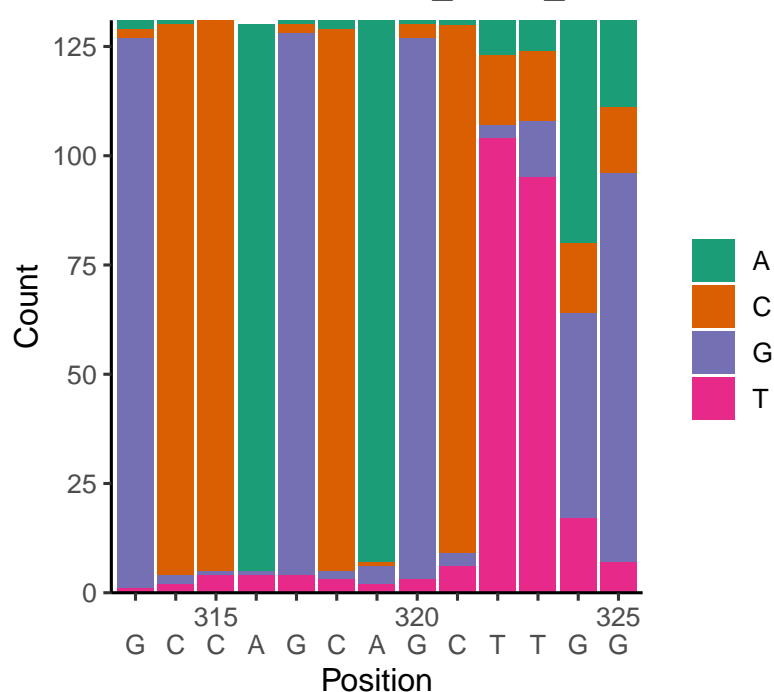
Gene TRBV5-5\*02\_322TTGG325



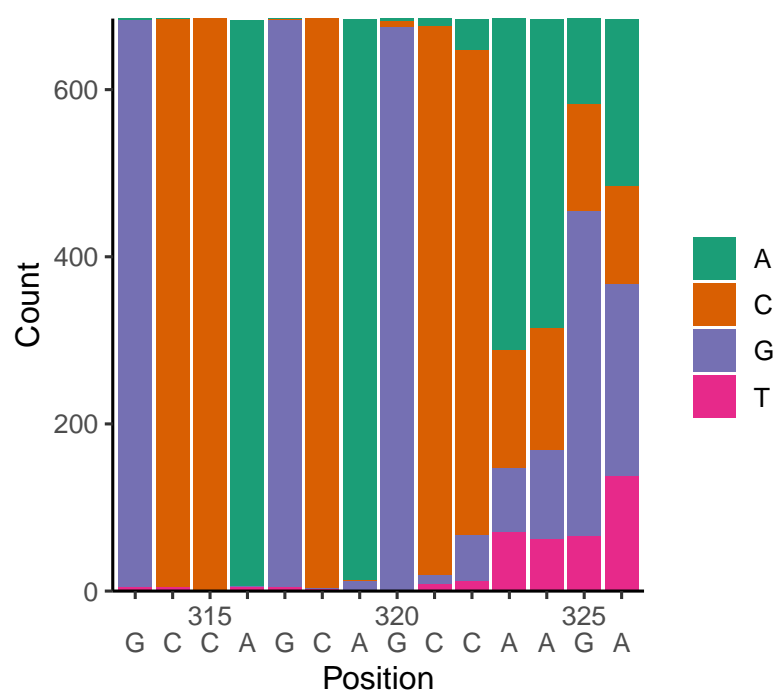
Gene TRBV12-4\*01\_C87T



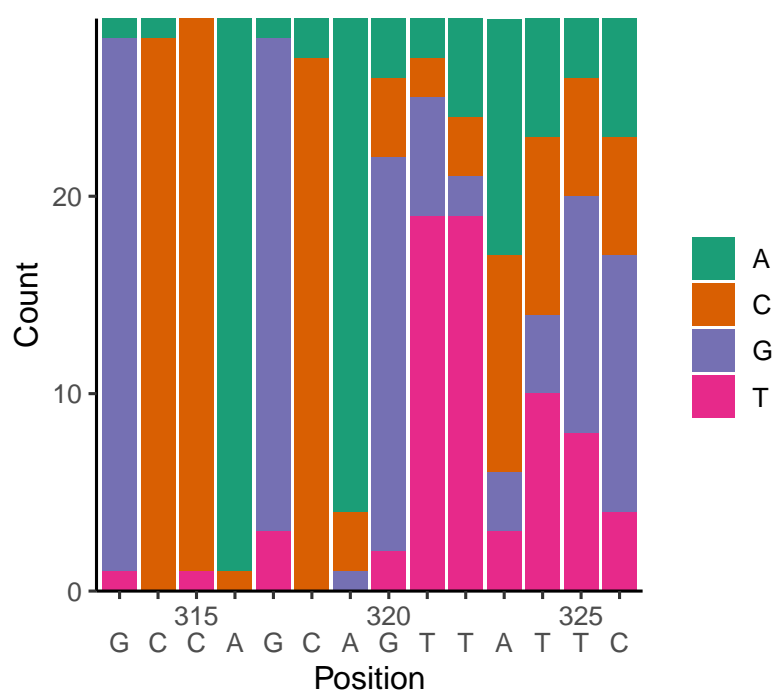
Gene TRBV5-8\*01\_C56T\_C276T



Gene TRBV14\*02\_322CAAGA326



Gene TRBV6-9\*01\_A303G



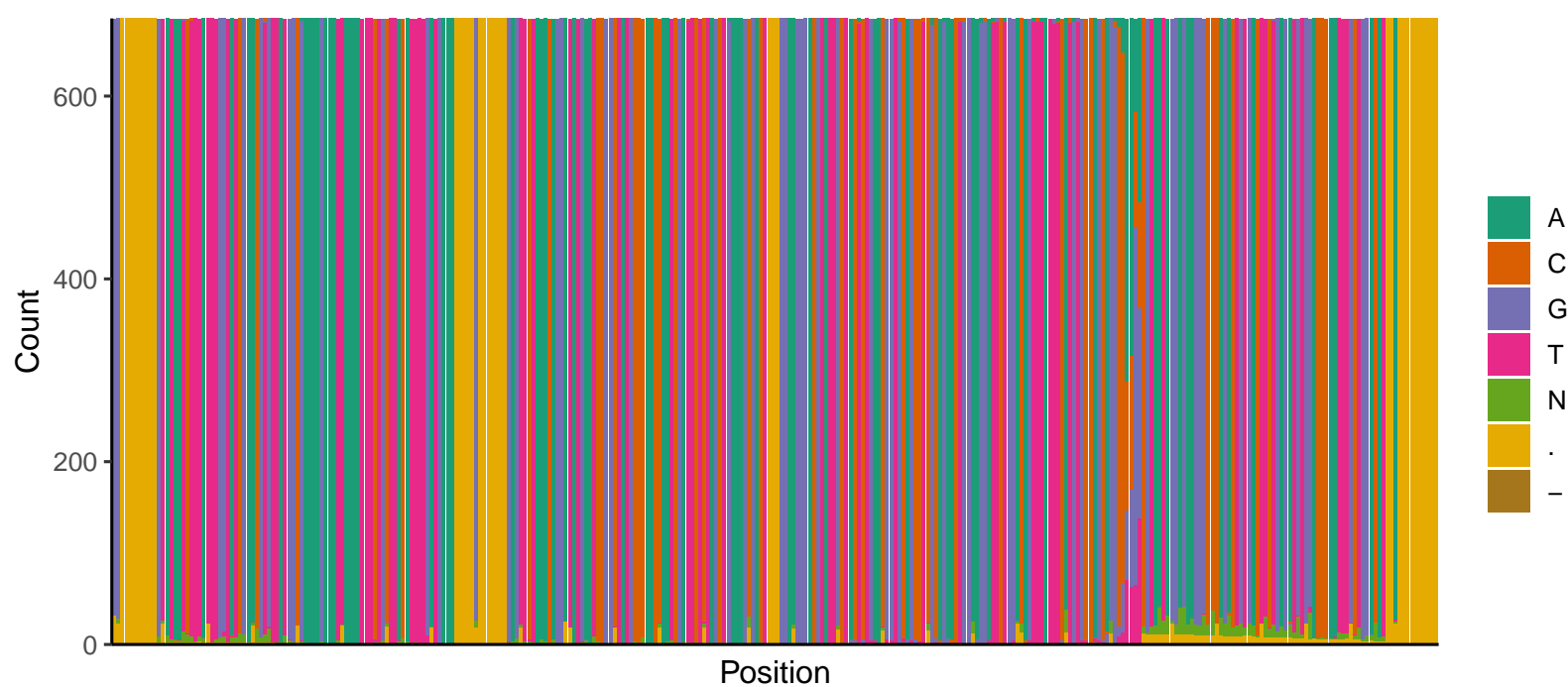
Gene TRBV10-3\*03\_313GCCATCAGTGAGTC326



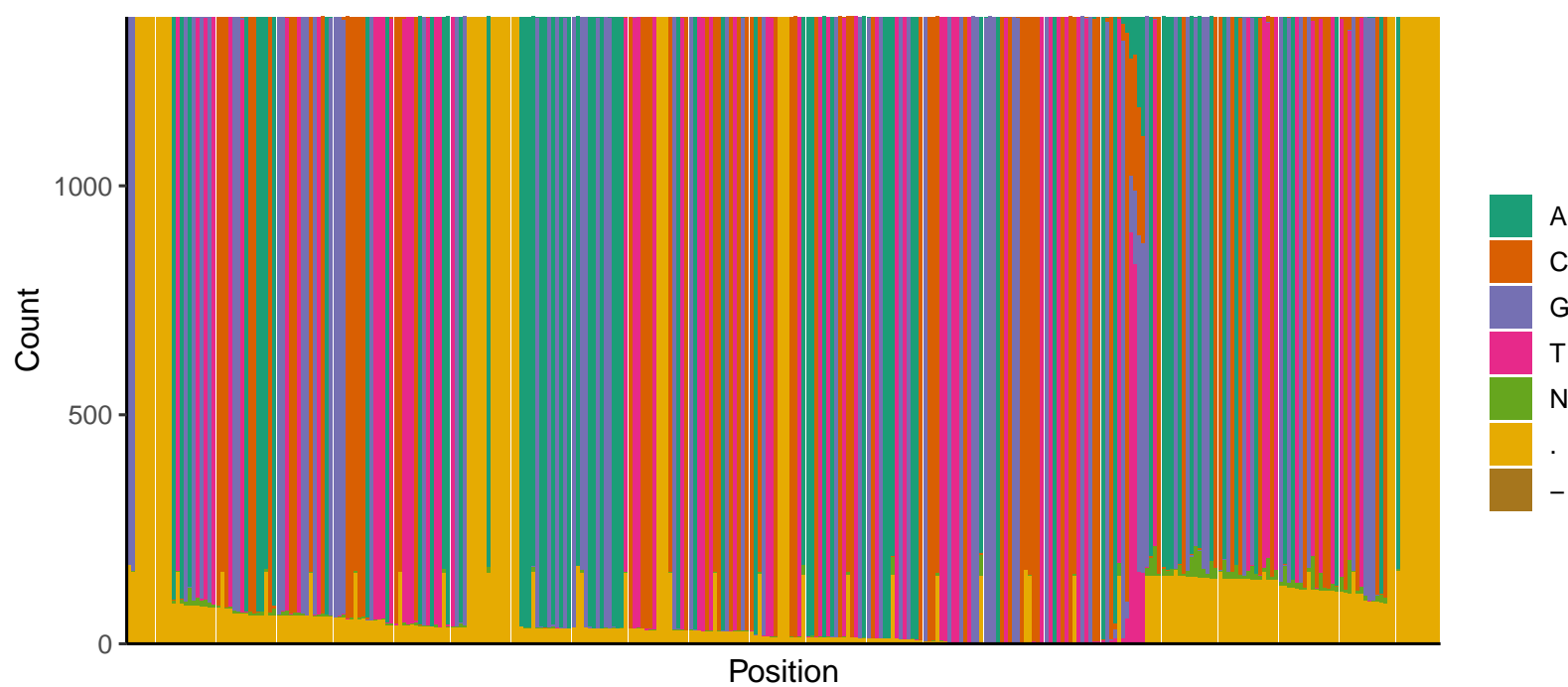
Gene TRBV12-4\*01\_C87T



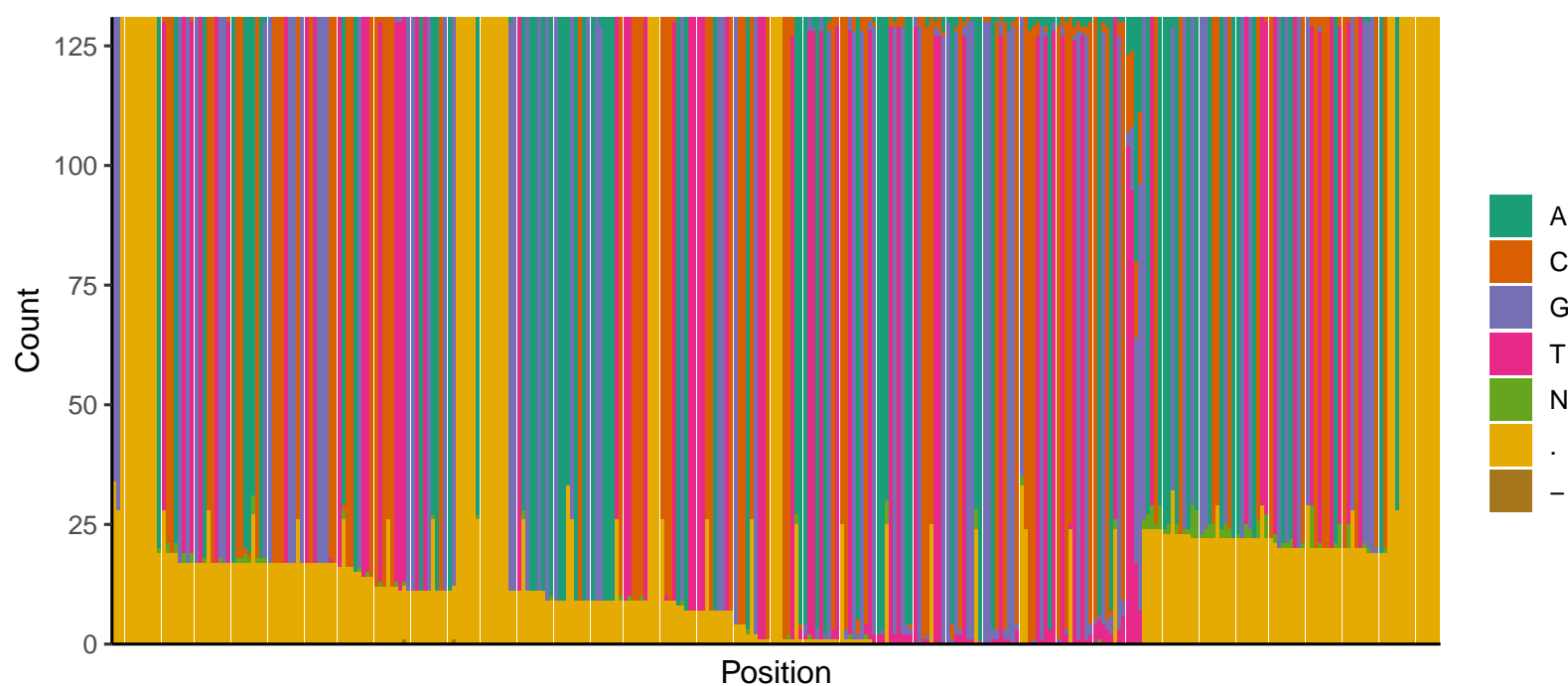
Gene TRBV14\*02\_322CAAGA326



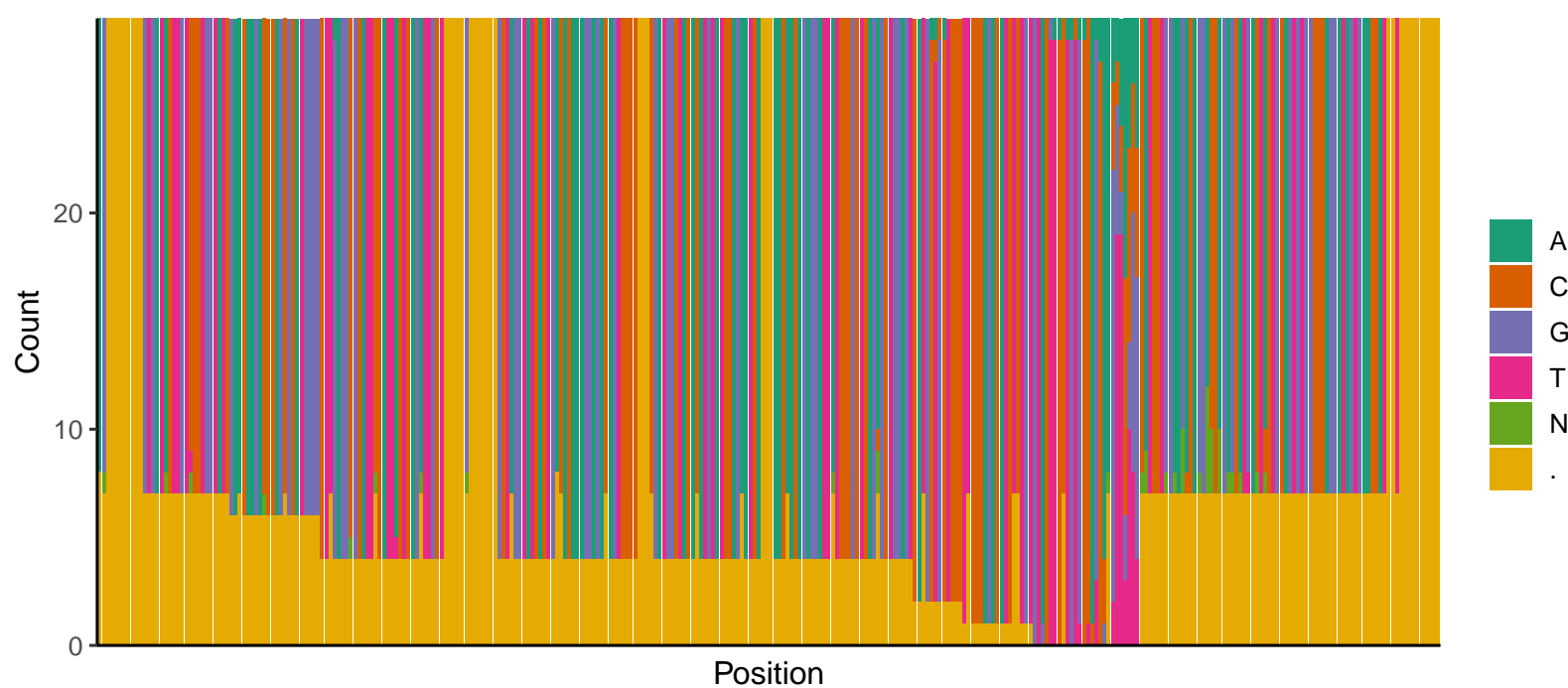
Gene TRBV5-5\*02\_322TTGG325



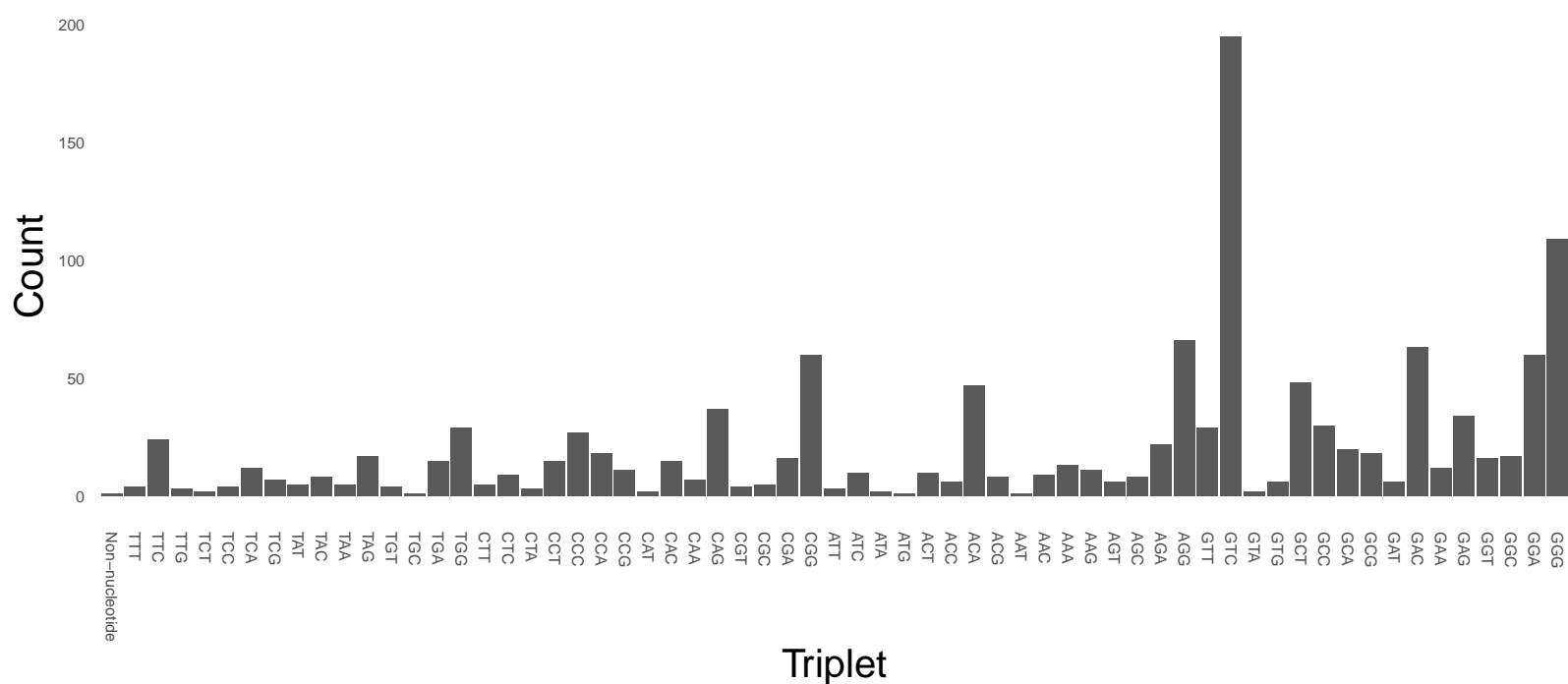
Gene TRBV5-8\*01\_C56T\_C276T



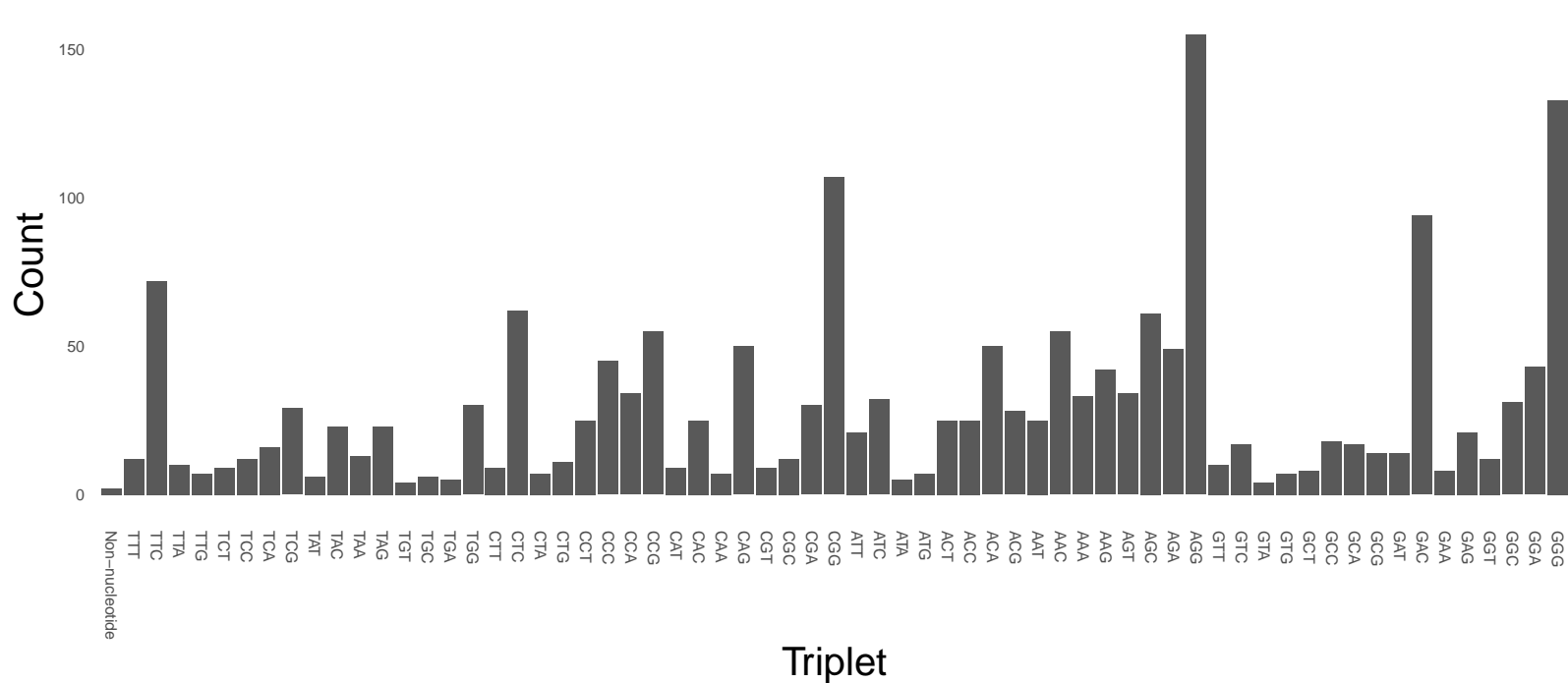
Gene TRBV6-9\*01\_A303G



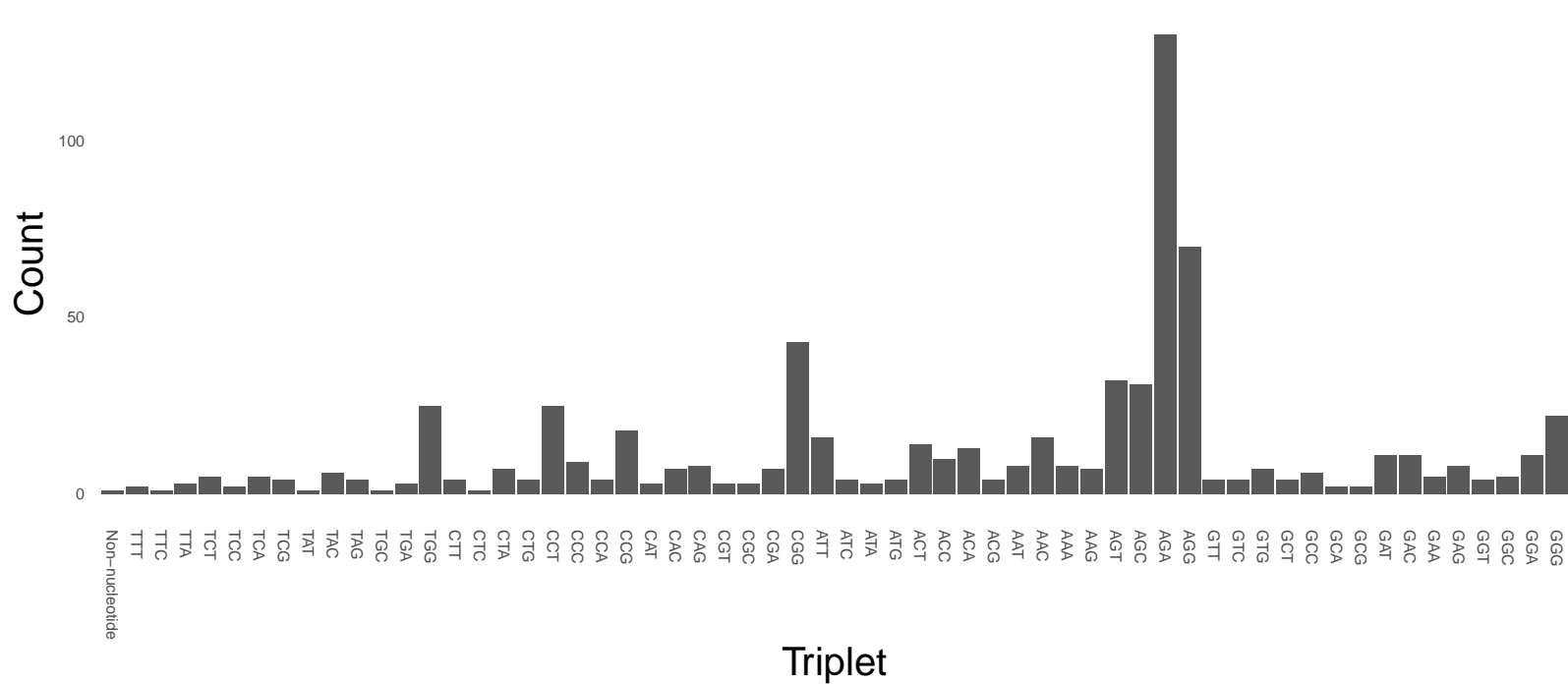
TRBV10–3\*03\_313GCCATCAGTGAGTC326– Final 3 nucleotides as a triplet



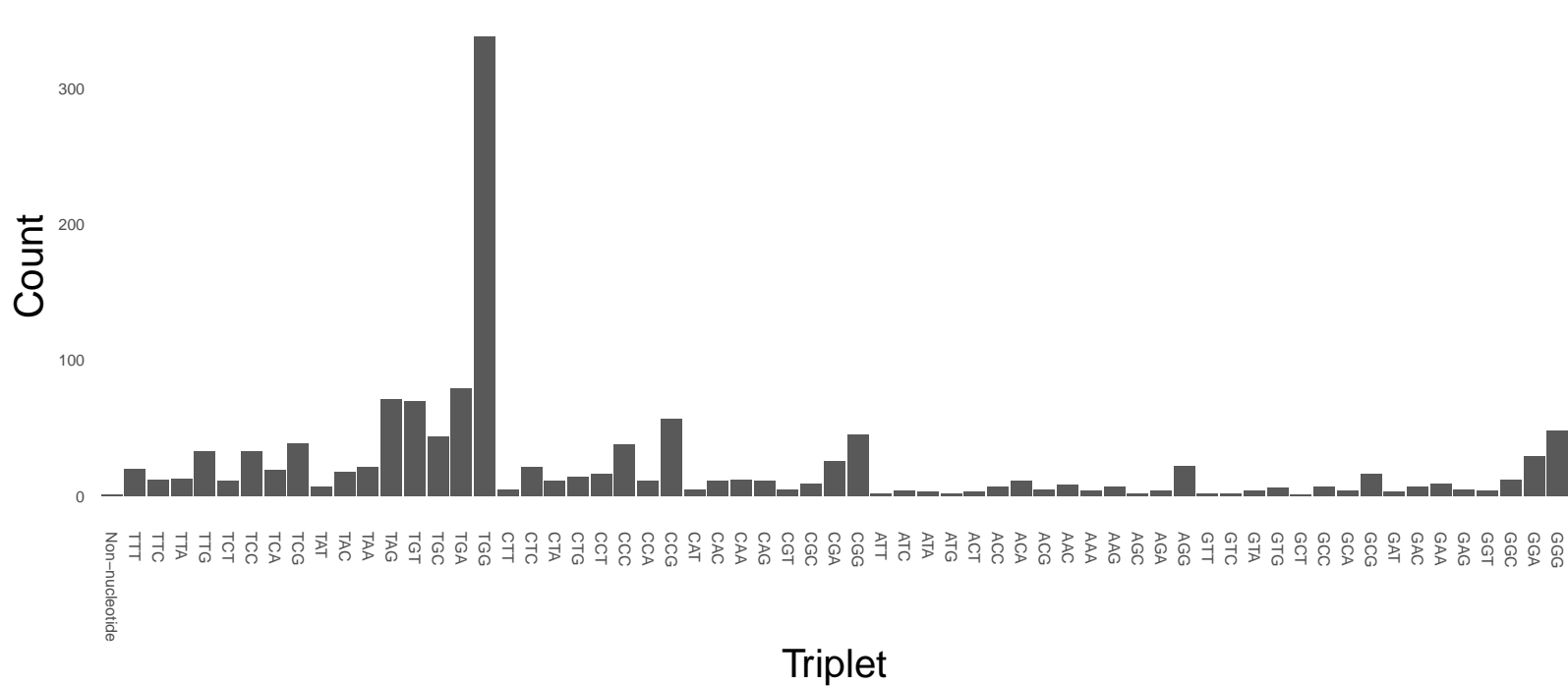
TRBV12–4\*01\_C87T– Final 3 nucleotides as a triplet



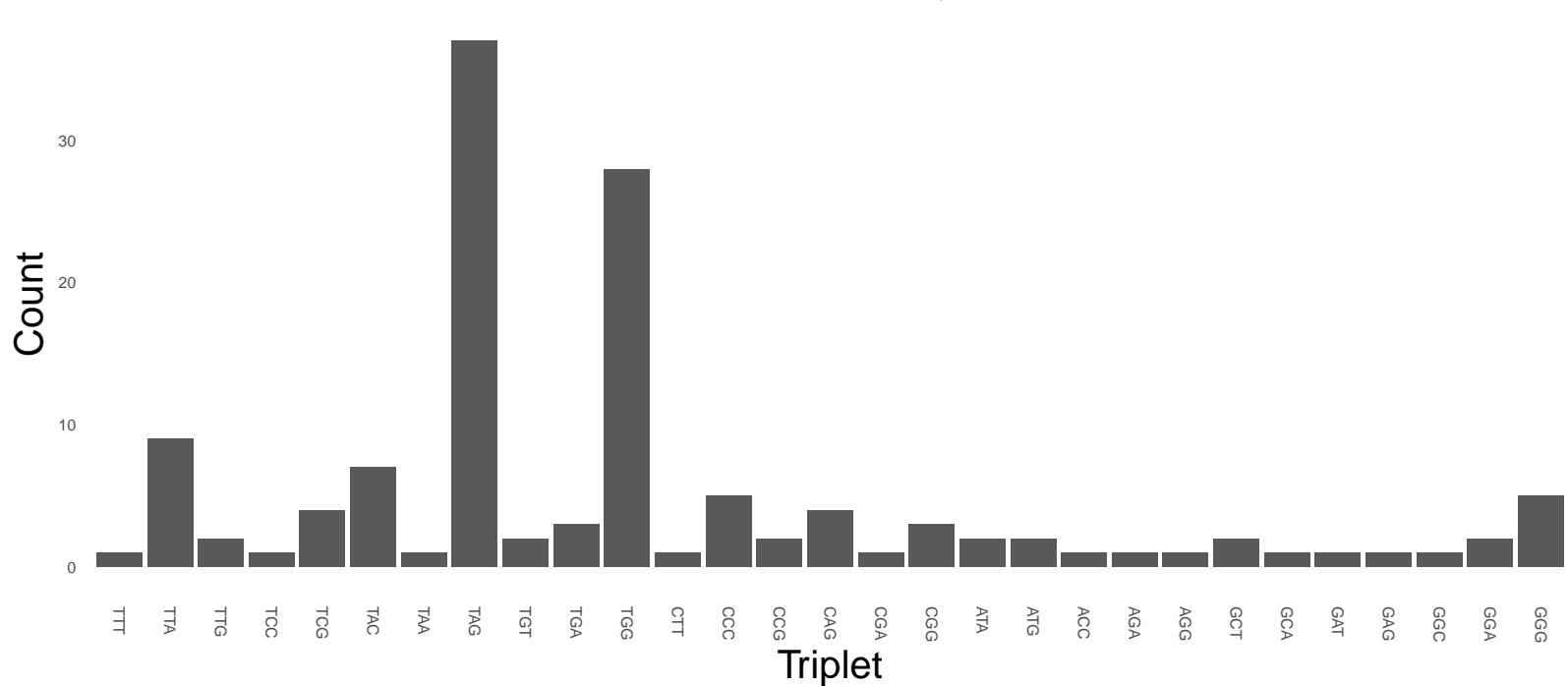
TRBV14\*02\_322CAAGA326– Final 3 nucleotides as a triplet



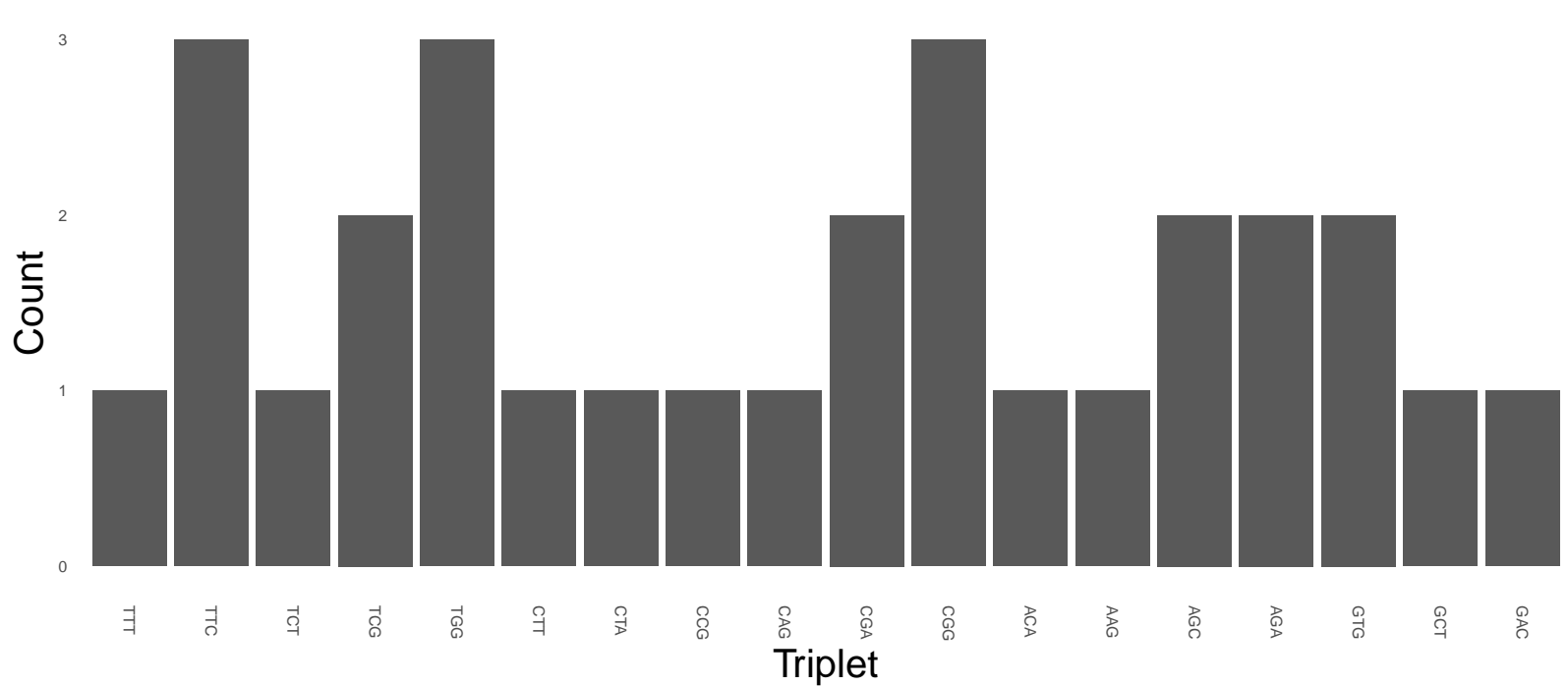
TRBV5-5\*02\_322TTGG325- Final 3 nucleotides as a triplet



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

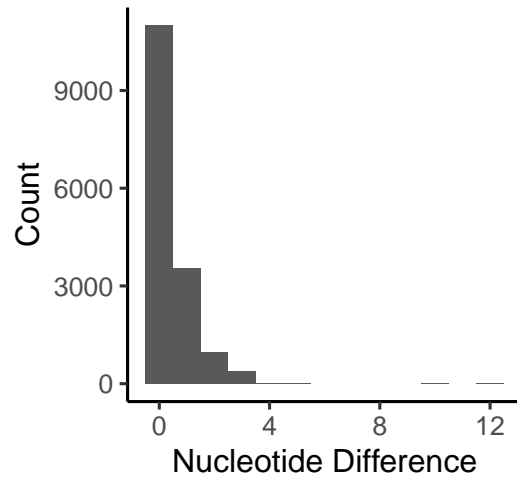


TRBV6-9\*01\_A303G- Final 3 nucleotides as a triplet



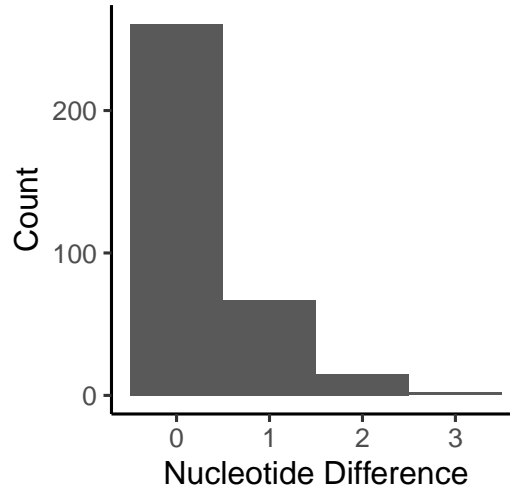
### TRBV20-1\*01

15890 sequences assigned  
10998 (69.2%) exact matches, in which:  
10011 unique CDR3  
13 unique J



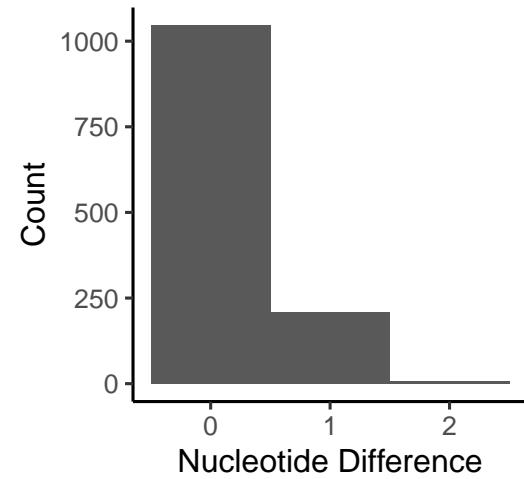
### TRBV10-2\*01

346 sequences assigned  
261 (75.4%) exact matches, in which:  
234 unique CDR3  
13 unique J



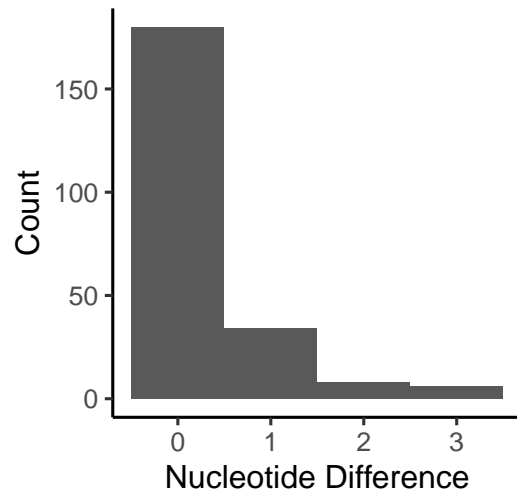
### TRBV10-3\*03\_313GCC

1263 sequences assigned  
1046 (82.8%) exact matches, in which:  
980 unique CDR3  
13 unique J



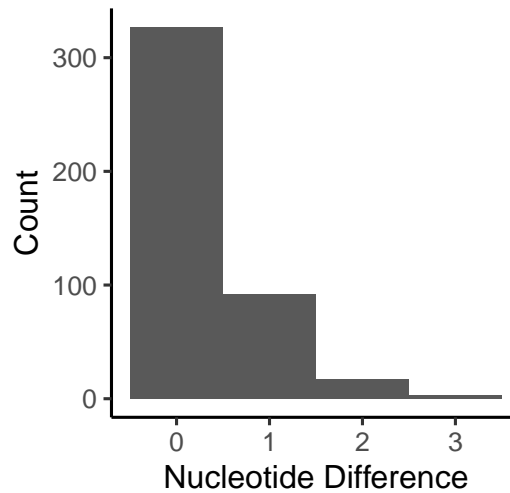
### TRBV10-1\*01

228 sequences assigned  
180 (78.9%) exact matches, in which:  
172 unique CDR3  
13 unique J



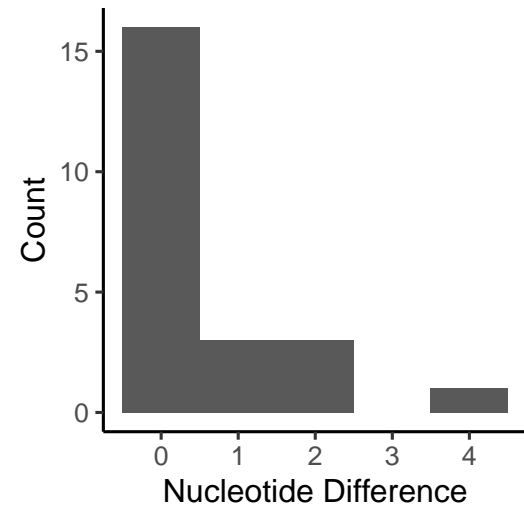
### TRBV10-2\*02

439 sequences assigned  
327 (74.5%) exact matches, in which:  
278 unique CDR3  
13 unique J



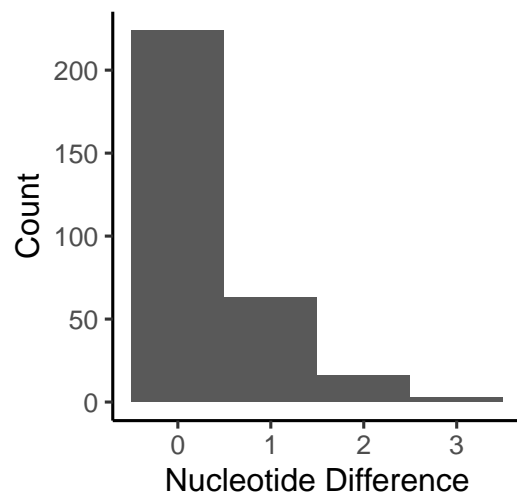
### TRBV1\*01

23 sequences assigned  
16 (69.6%) exact matches, in which:  
14 unique CDR3  
9 unique J



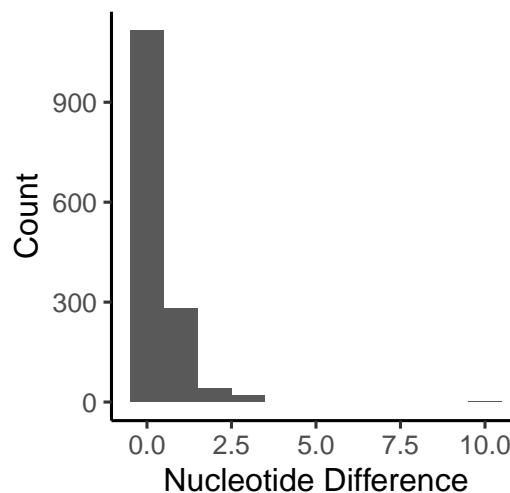
### TRBV10-1\*02

306 sequences assigned  
224 (73.2%) exact matches, in which:  
208 unique CDR3  
13 unique J



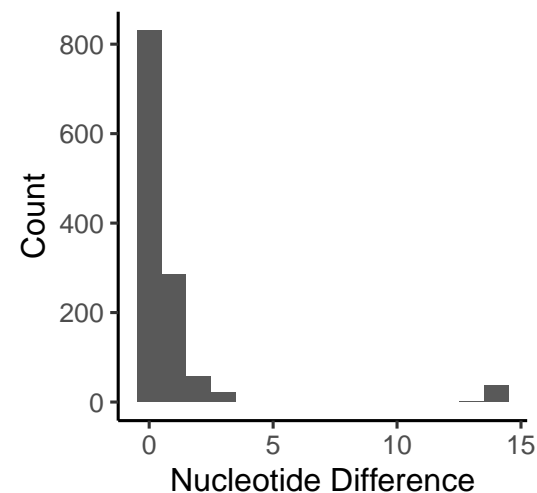
### TRBV10-3\*02

1457 sequences assigned  
1116 (76.6%) exact matches, in which:  
1009 unique CDR3  
13 unique J



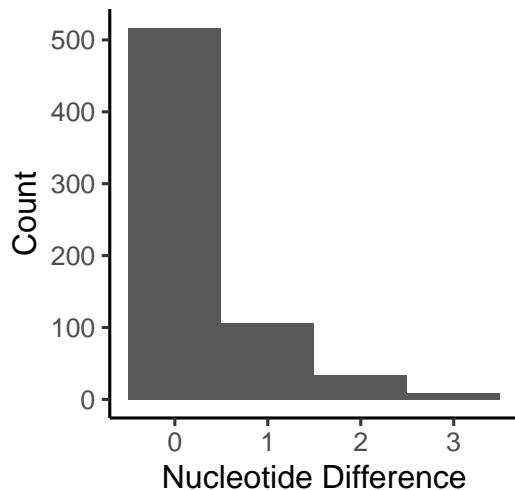
### TRBV13\*01

1234 sequences assigned  
831 (67.3%) exact matches, in which:  
729 unique CDR3  
13 unique J



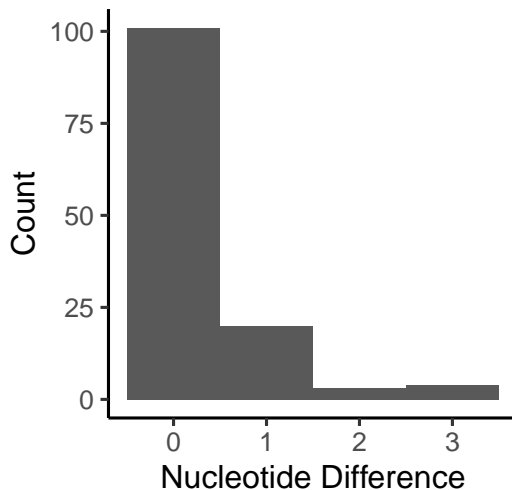
### TRBV14\*01

666 sequences assigned  
517 (77.6%) exact matches, in which:  
476 unique CDR3  
13 unique J



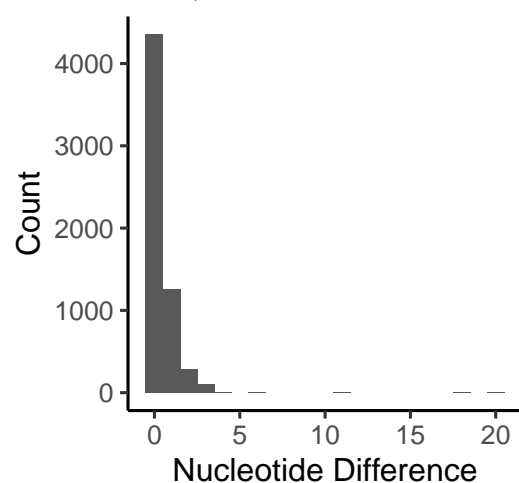
### TRBV16\*01

128 sequences assigned  
101 (78.9%) exact matches, in which:  
90 unique CDR3  
13 unique J



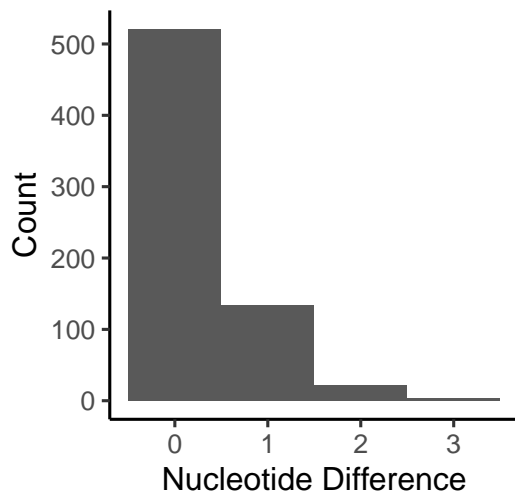
### TRBV2\*01

6006 sequences assigned  
4354 (72.5%) exact matches, in which:  
3823 unique CDR3  
13 unique J



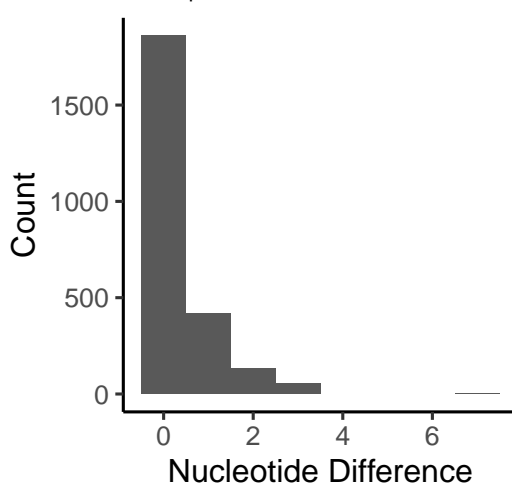
### TRBV14\*02\_322CAAGA3

685 sequences assigned  
521 (76.1%) exact matches, in which:  
456 unique CDR3  
13 unique J



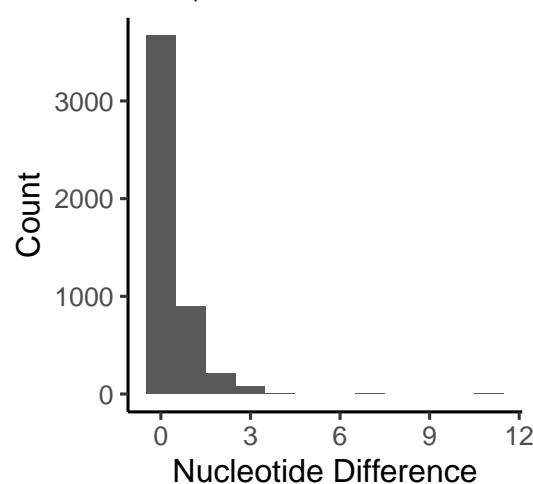
### TRBV18\*01

2463 sequences assigned  
1860 (75.5%) exact matches, in which:  
1665 unique CDR3  
13 unique J



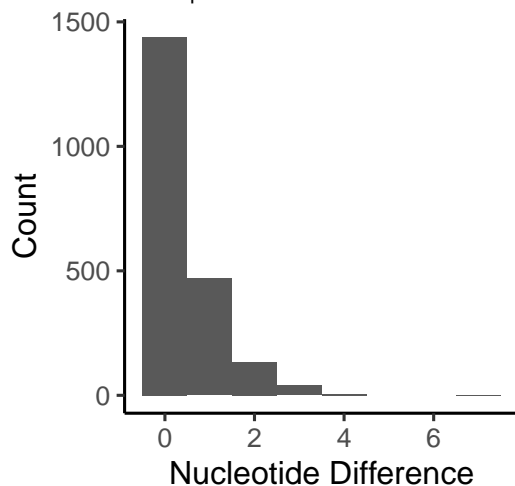
### TRBV27\*01

4863 sequences assigned  
3668 (75.4%) exact matches, in which:  
3280 unique CDR3  
13 unique J



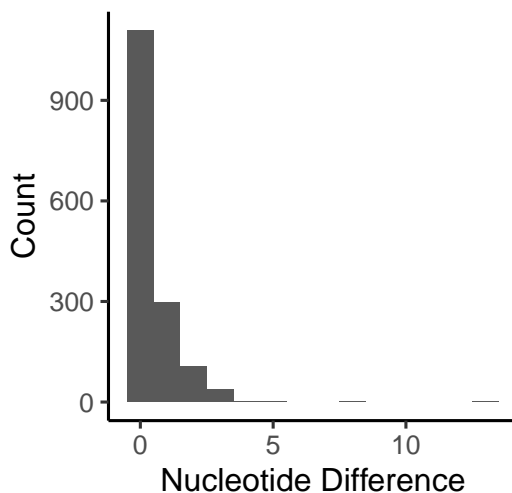
### TRBV15\*02

2087 sequences assigned  
1439 (69%) exact matches, in which:  
1351 unique CDR3  
13 unique J



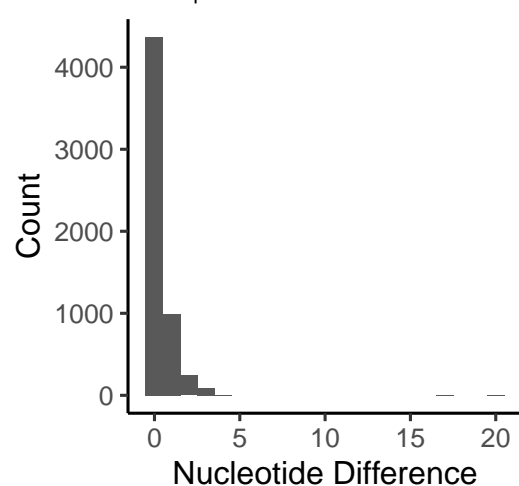
### TRBV19\*01

1550 sequences assigned  
1109 (71.5%) exact matches, in which:  
1008 unique CDR3  
13 unique J



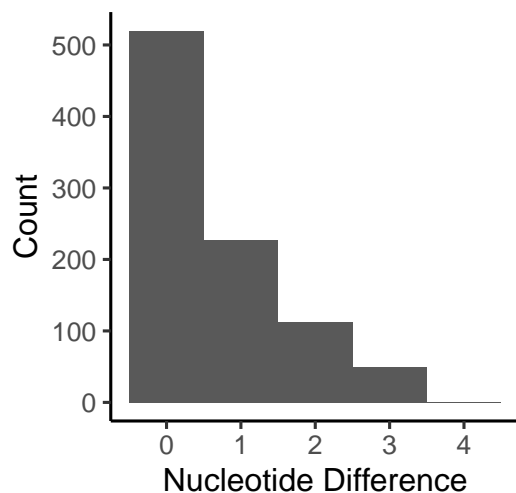
### TRBV28\*01

5697 sequences assigned  
4368 (76.7%) exact matches, in which:  
4051 unique CDR3  
13 unique J



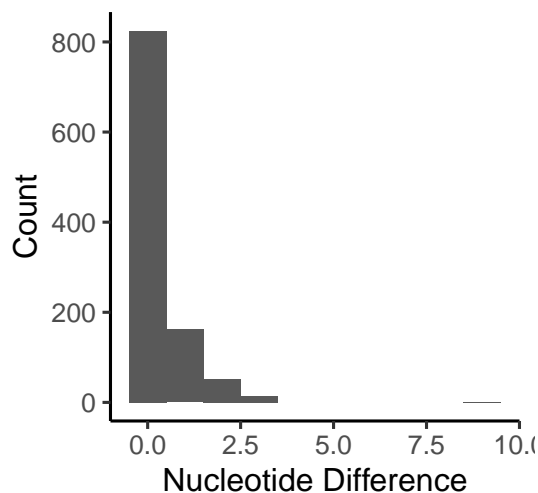
### TRBV30\*01

910 sequences assigned  
520 (57.1%) exact matches, in which:  
463 unique CDR3  
13 unique J



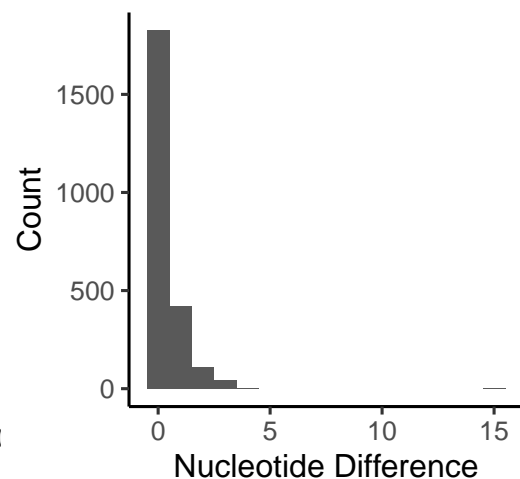
### TRBV9\*02

1055 sequences assigned  
825 (78.2%) exact matches, in which:  
795 unique CDR3  
13 unique J



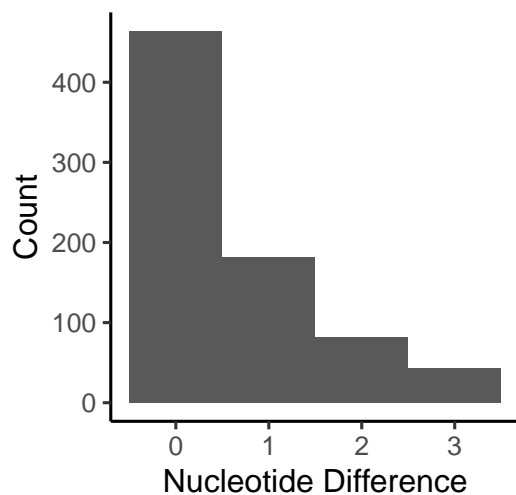
### TRBV11-2\*01

2402 sequences assigned  
1826 (76%) exact matches, in which:  
1726 unique CDR3  
13 unique J



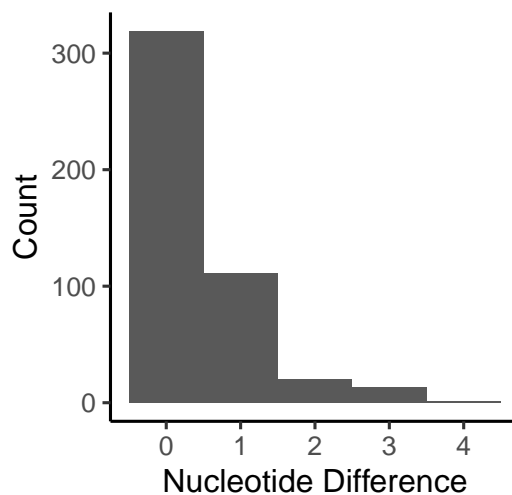
### TRBV30\*02

771 sequences assigned  
464 (60.2%) exact matches, in which:  
421 unique CDR3  
13 unique J



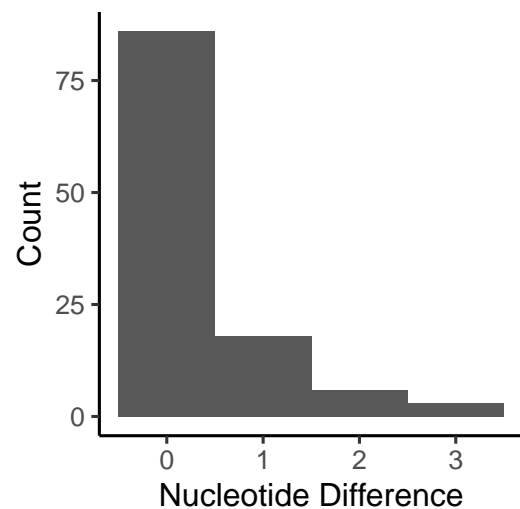
### TRBV11-1\*01

464 sequences assigned  
319 (68.8%) exact matches, in which:  
286 unique CDR3  
13 unique J



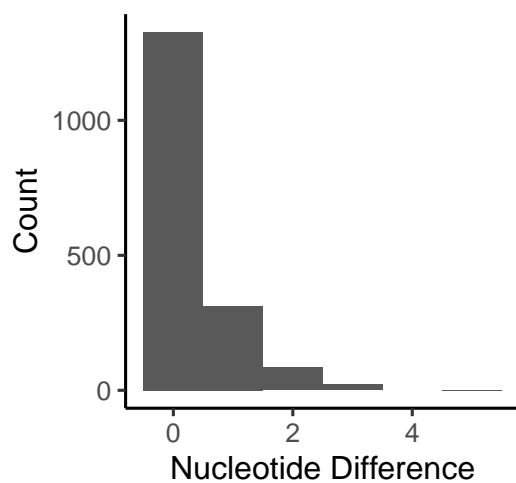
### TRBV11-3\*01

113 sequences assigned  
86 (76.1%) exact matches, in which:  
83 unique CDR3  
12 unique J



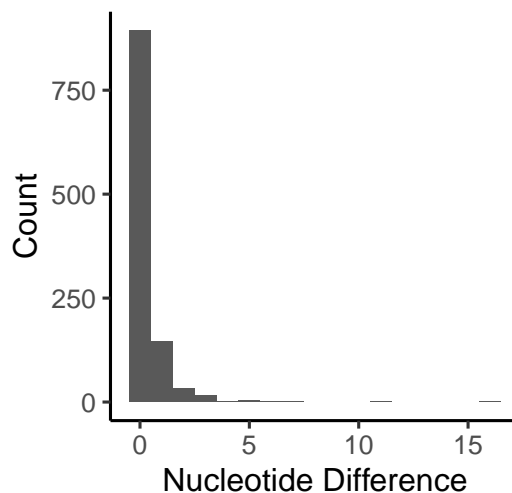
### TRBV9\*01

1746 sequences assigned  
1327 (76%) exact matches, in which:  
1262 unique CDR3  
13 unique J



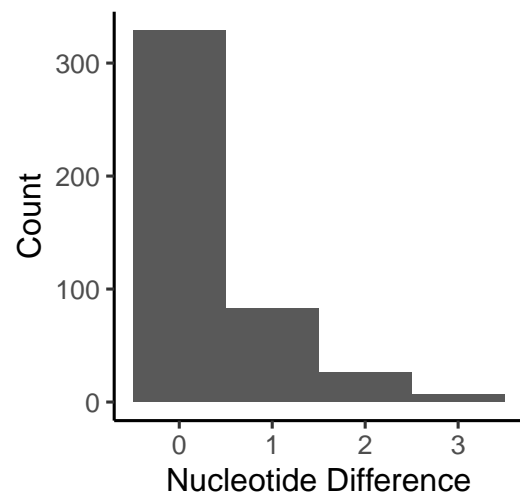
### TRBV21-1\*01

1099 sequences assigned  
894 (81.3%) exact matches, in which:  
844 unique CDR3  
13 unique J



### TRBV11-3\*04

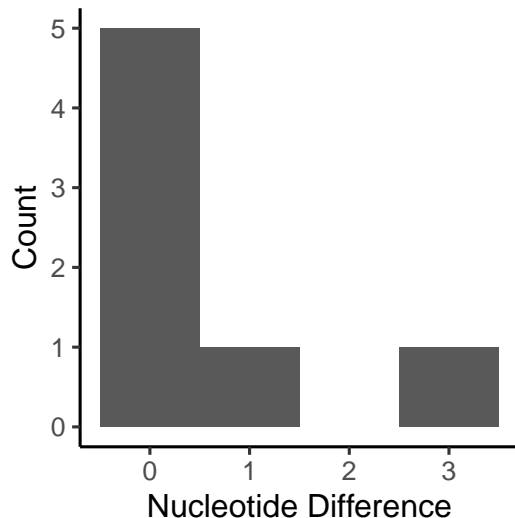
445 sequences assigned  
329 (73.9%) exact matches, in which:  
316 unique CDR3  
13 unique J





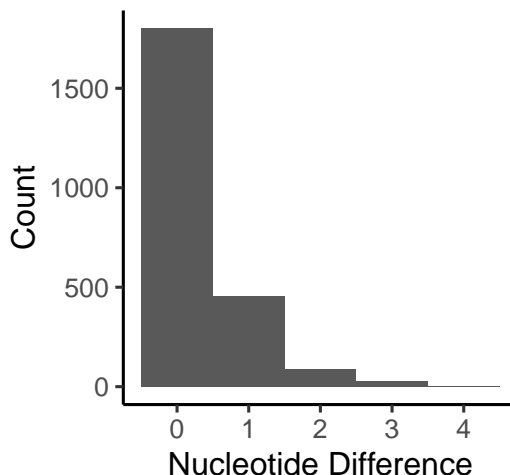
### TRBV12-1\*01

7 sequences assigned  
5 (71.4%) exact matches, in which:  
5 unique CDR3  
4 unique J



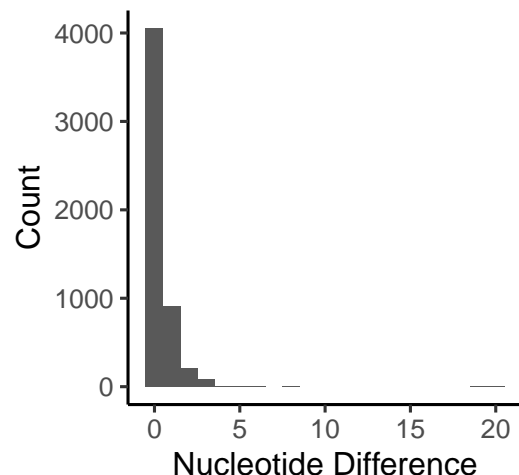
### TRBV12-4\*01

2378 sequences assigned  
1801 (75.7%) exact matches, in which:  
1682 unique CDR3  
13 unique J



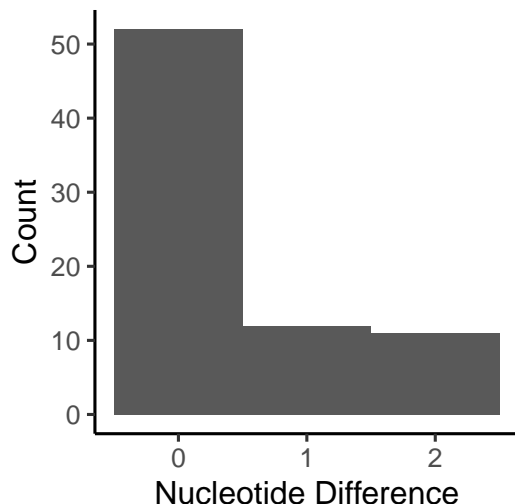
### TRBV3-1\*01

5260 sequences assigned  
4052 (77%) exact matches, in which:  
3641 unique CDR3  
13 unique J



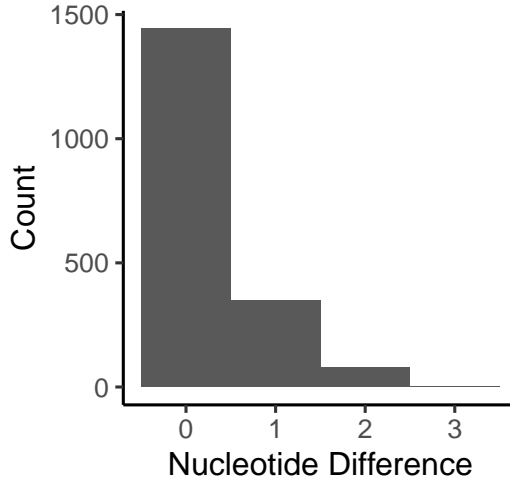
### TRBV12-2\*01

75 sequences assigned  
52 (69.3%) exact matches, in which:  
49 unique CDR3  
11 unique J



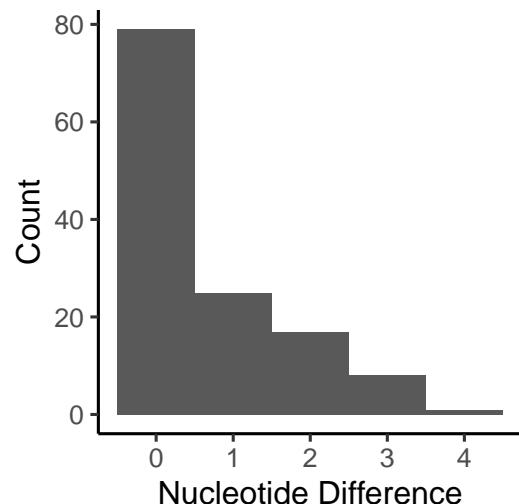
### TRBV12-4\*01\_C87T

1874 sequences assigned  
1443 (77%) exact matches, in which:  
1334 unique CDR3  
13 unique J



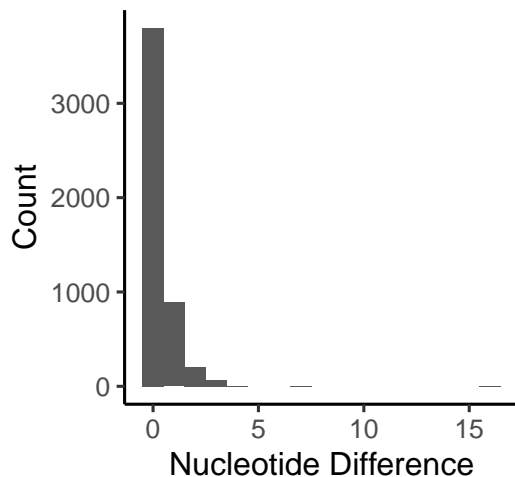
### TRBV23-1\*01

130 sequences assigned  
79 (60.8%) exact matches, in which:  
73 unique CDR3  
12 unique J



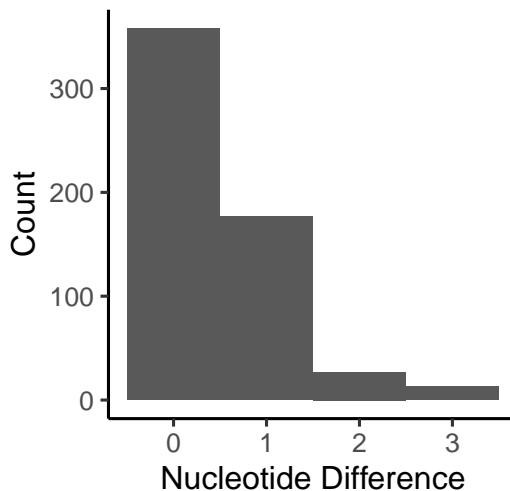
### TRBV12-3\*01

4967 sequences assigned  
3798 (76.5%) exact matches, in which:  
3542 unique CDR3  
13 unique J



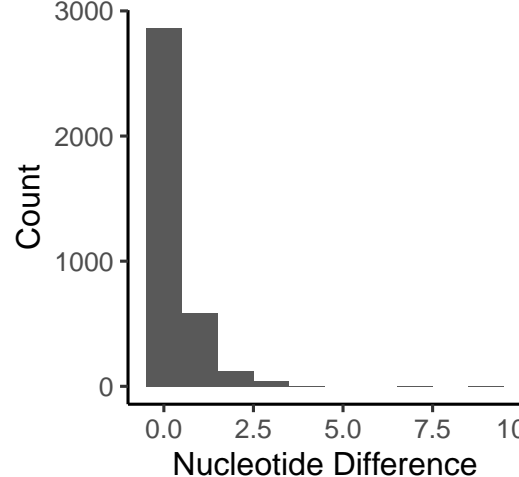
### TRBV12-5\*01

575 sequences assigned  
358 (62.3%) exact matches, in which:  
340 unique CDR3  
13 unique J



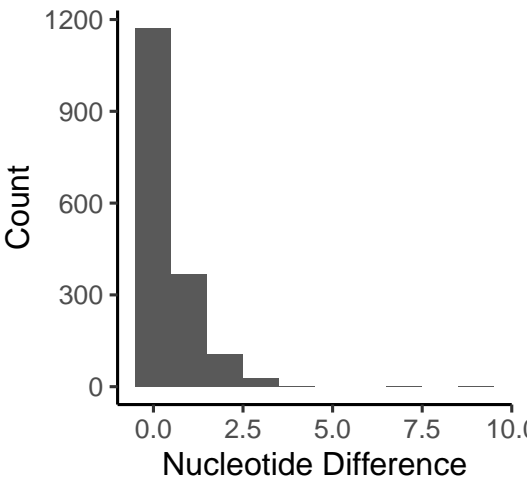
### TRBV4-1\*01

3623 sequences assigned  
2863 (79%) exact matches, in which:  
2591 unique CDR3  
13 unique J



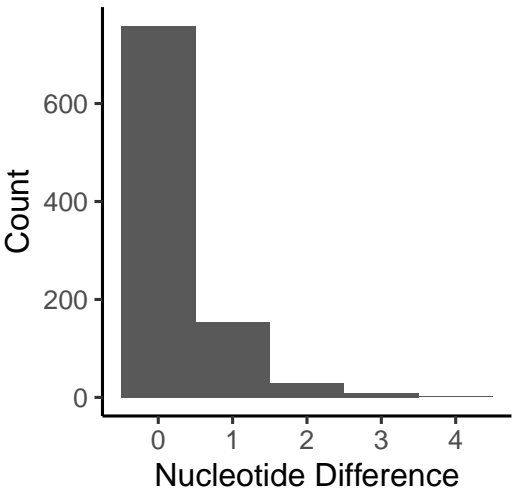
TRBV24-1\*01

1676 sequences assigned  
1171 (69.9%) exact matches, in which:  
1028 unique CDR3  
13 unique J



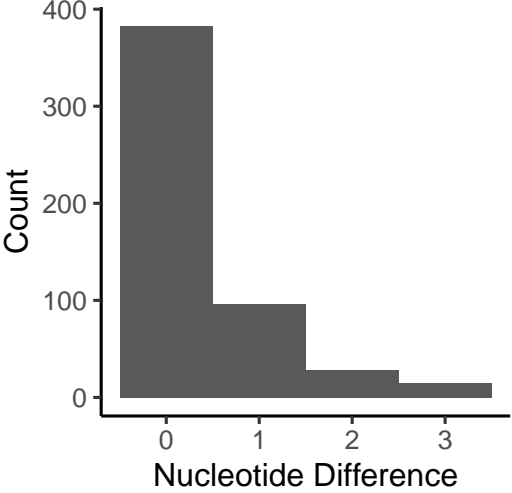
TRBV25-1\*01

955 sequences assigned  
759 (79.5%) exact matches, in which:  
719 unique CDR3  
13 unique J



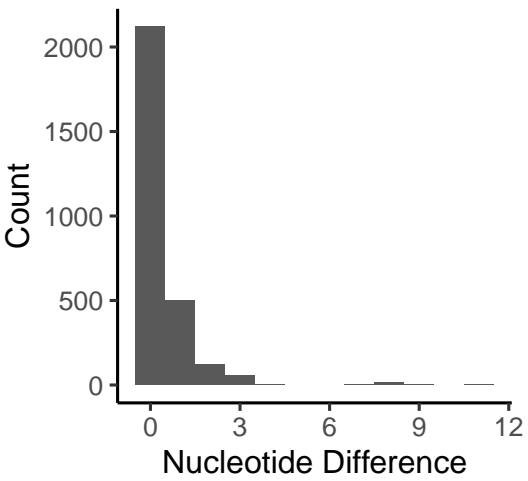
TRBV5-4\*01

522 sequences assigned  
383 (73.4%) exact matches, in which:  
372 unique CDR3  
13 unique J



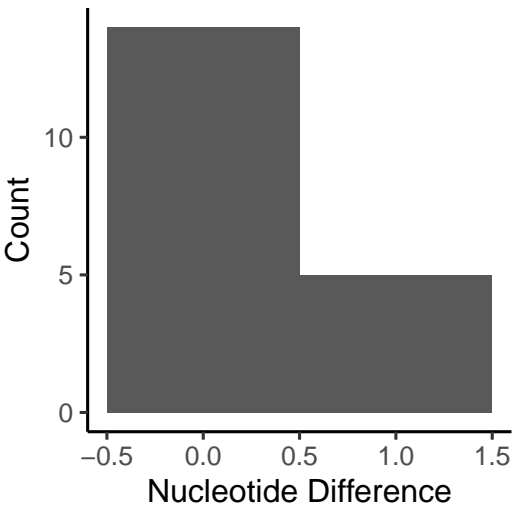
TRBV4-2\*01

2825 sequences assigned  
2120 (75%) exact matches, in which:  
1892 unique CDR3  
13 unique J



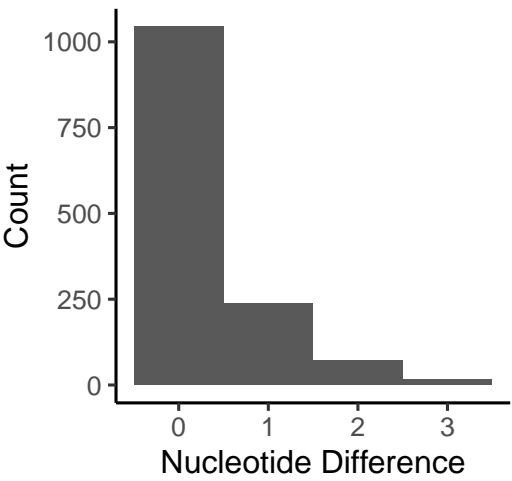
TRBV5-3\*01

19 sequences assigned  
14 (73.7%) exact matches, in which:  
13 unique CDR3  
8 unique J



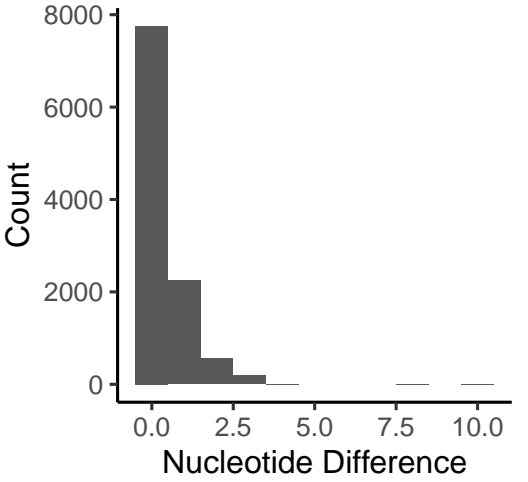
TRBV5-5\*02\_322TTGG

1369 sequences assigned  
1044 (76.3%) exact matches, in which:  
950 unique CDR3  
13 unique J



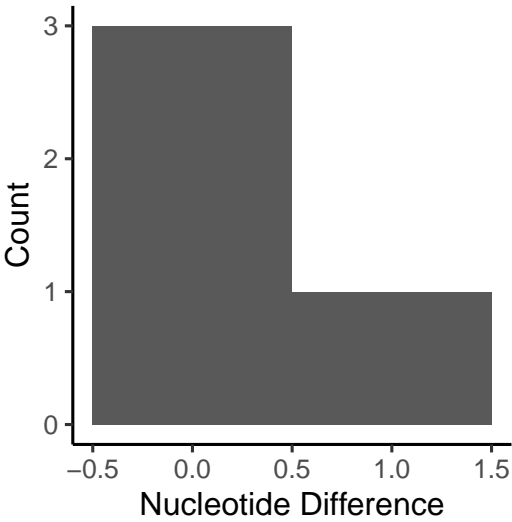
TRBV5-1\*01

10757 sequences assigned  
7754 (72.1%) exact matches, in which:  
7209 unique CDR3  
13 unique J



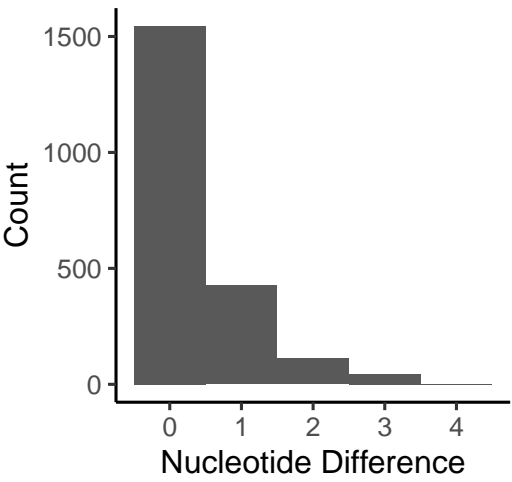
TRBV5-3\*02

4 sequences assigned  
3 (75%) exact matches, in which:  
3 unique CDR3  
3 unique J



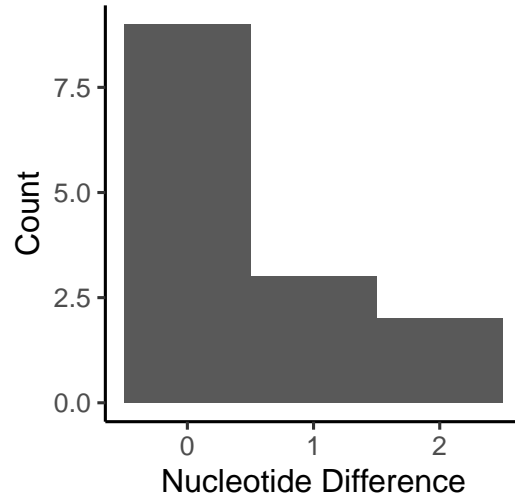
TRBV5-6\*01

2130 sequences assigned  
1545 (72.5%) exact matches, in which:  
1432 unique CDR3  
13 unique J



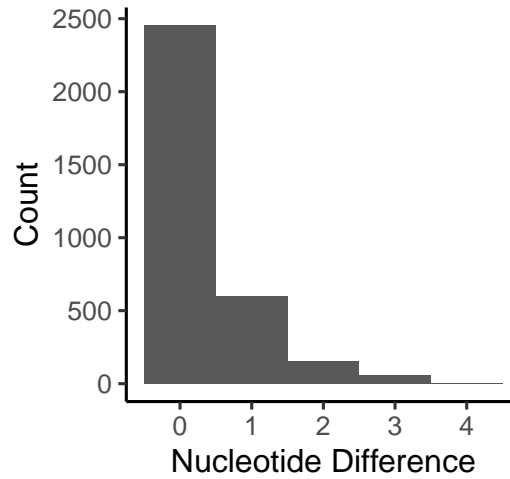
### TRBV5-7\*01

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



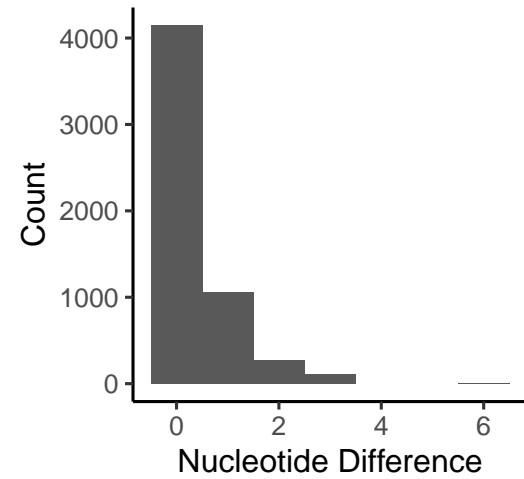
### TRBV6-1\*01

3279 sequences assigned  
2454 (74.8%) exact matches, in which:  
2310 unique CDR3  
13 unique J



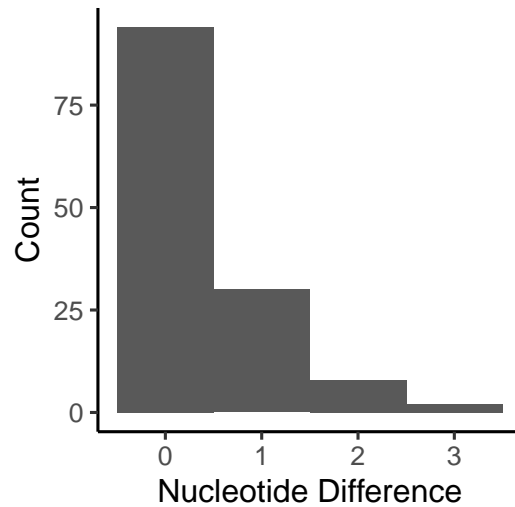
### TRBV6-5\*01

5600 sequences assigned  
4146 (74%) exact matches, in which:  
3808 unique CDR3  
13 unique J



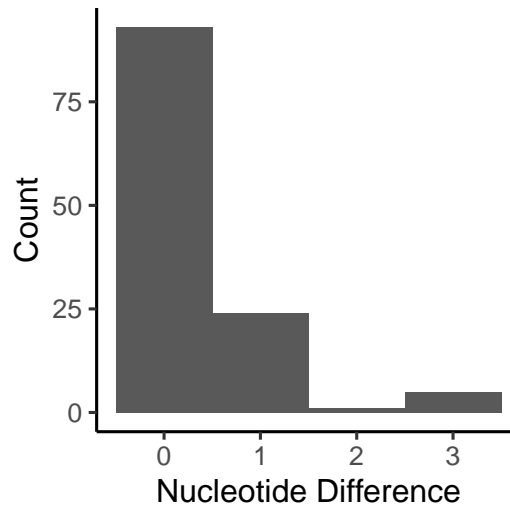
### TRBV5-8\*01

135 sequences assigned  
94 (69.6%) exact matches, in which:  
72 unique CDR3  
13 unique J



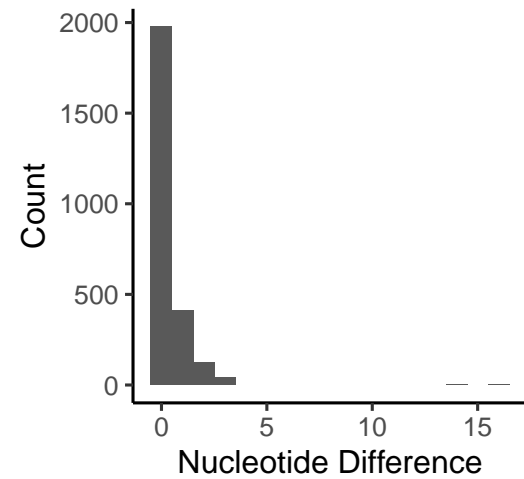
### TRBV6-4\*01

123 sequences assigned  
93 (75.6%) exact matches, in which:  
92 unique CDR3  
11 unique J



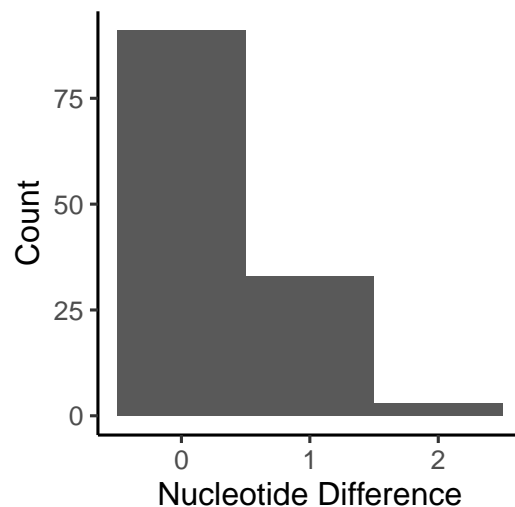
### TRBV6-6\*01

2557 sequences assigned  
1977 (77.3%) exact matches, in which:  
1823 unique CDR3  
13 unique J



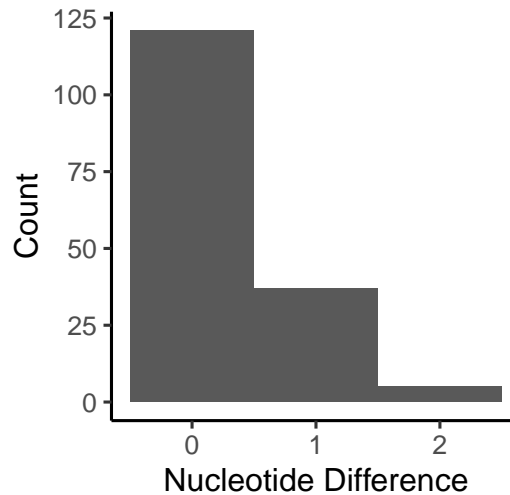
### TRBV5-8\*01\_C56T\_C276

131 sequences assigned  
91 (69.5%) exact matches, in which:  
57 unique CDR3  
12 unique J



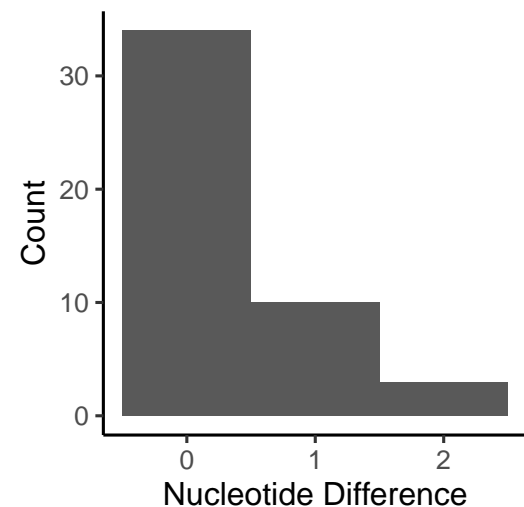
### TRBV6-4\*02

163 sequences assigned  
121 (74.2%) exact matches, in which:  
119 unique CDR3  
12 unique J



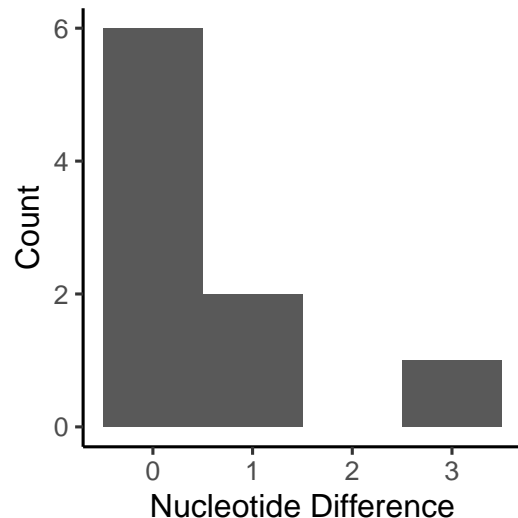
### TRBV6-7\*01

47 sequences assigned  
34 (72.3%) exact matches, in which:  
32 unique CDR3  
10 unique J



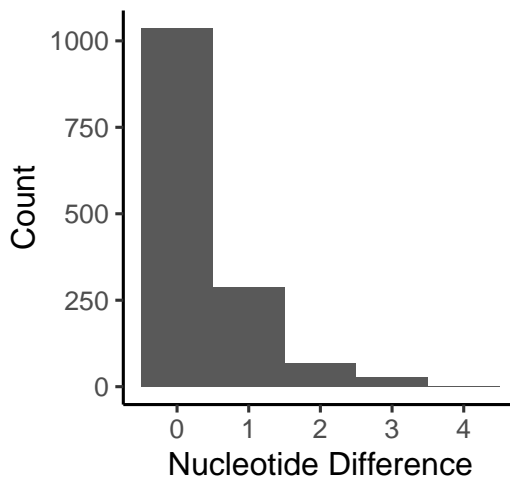
### TRBV6-8\*01

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



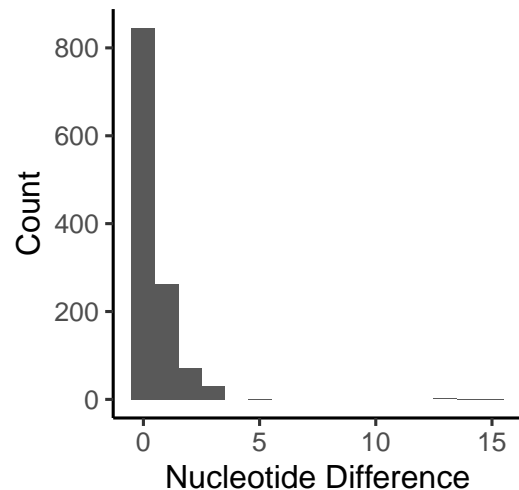
### TRBV6-23\*01

1422 sequences assigned  
1036 (72.9%) exact matches, in which:  
920 unique CDR3  
13 unique J



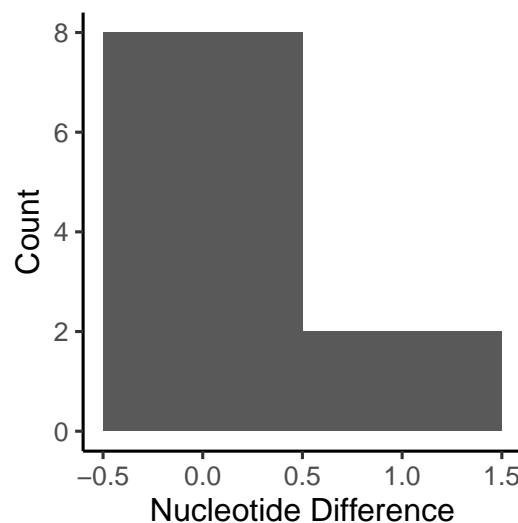
### TRBV7-3\*01

1215 sequences assigned  
846 (69.6%) exact matches, in which:  
734 unique CDR3  
13 unique J



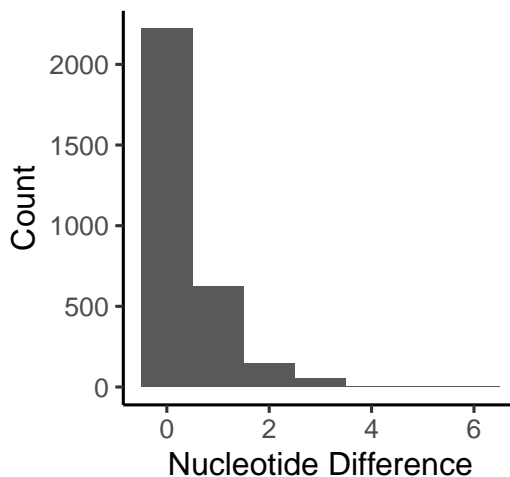
### TRBV6-9\*01

10 sequences assigned  
8 (80%) exact matches, in which:  
8 unique CDR3  
6 unique J



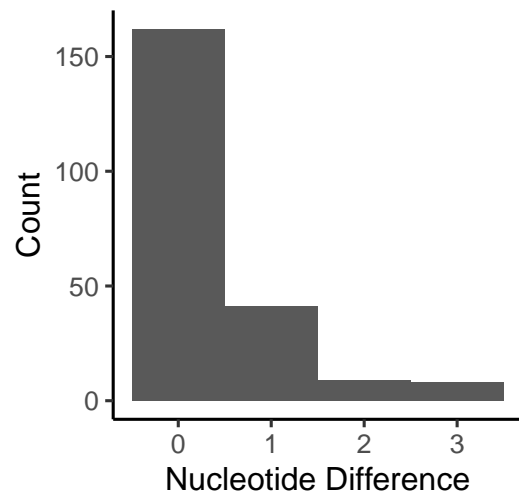
### TRBV7-2\*01

3043 sequences assigned  
2221 (73%) exact matches, in which:  
2022 unique CDR3  
13 unique J



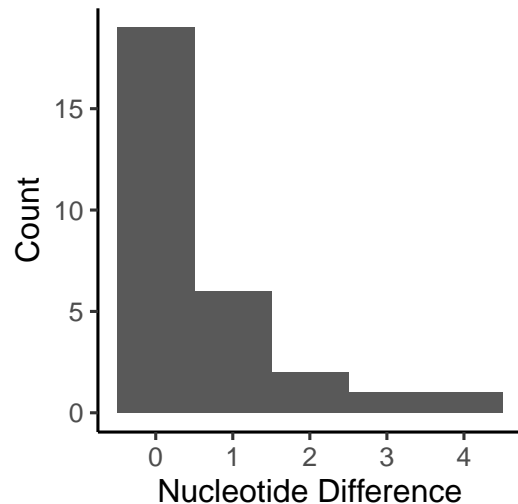
### TRBV7-3\*03

220 sequences assigned  
162 (73.6%) exact matches, in which:  
158 unique CDR3  
13 unique J



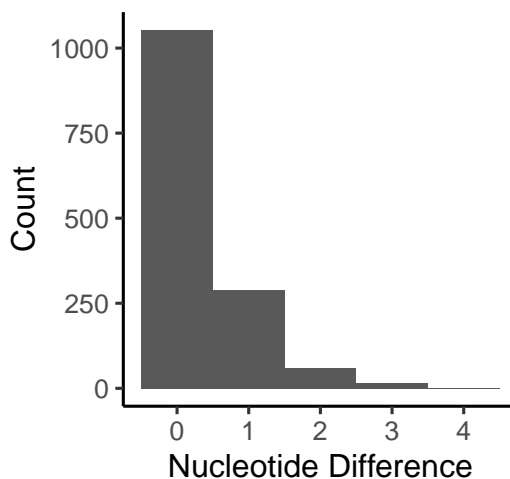
### TRBV6-9\*01\_A303G

29 sequences assigned  
19 (65.5%) exact matches, in which:  
19 unique CDR3  
8 unique J



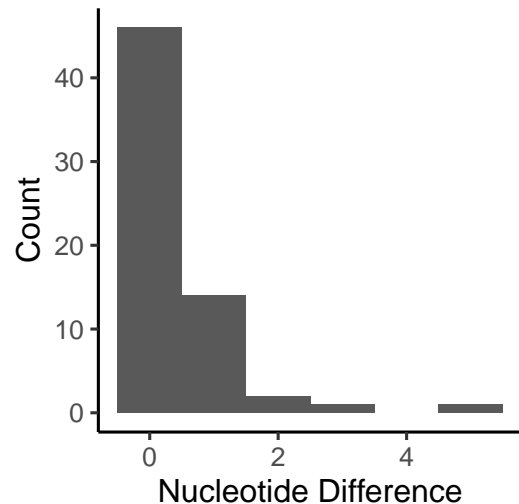
### TRBV7-2\*02

1418 sequences assigned  
1053 (74.3%) exact matches, in which:  
960 unique CDR3  
13 unique J



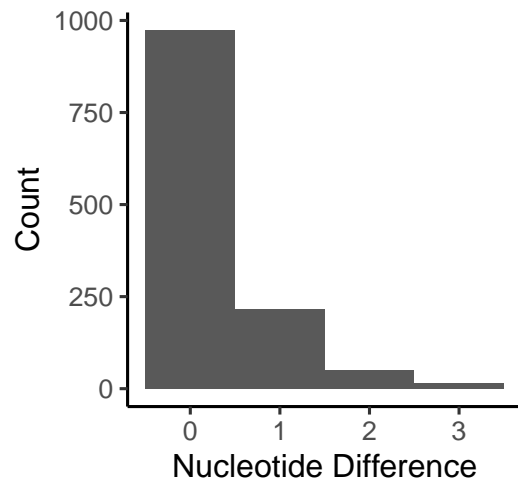
### TRBV7-4\*01

64 sequences assigned  
46 (71.9%) exact matches, in which:  
45 unique CDR3  
11 unique J



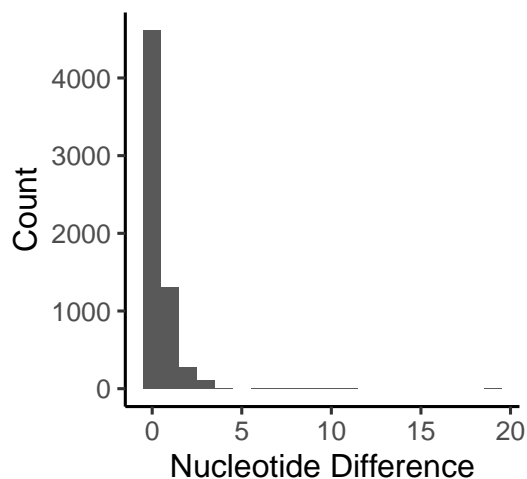
### TRBV7-6\*01

1257 sequences assigned  
973 (77.4%) exact matches, in which:  
864 unique CDR3  
13 unique J



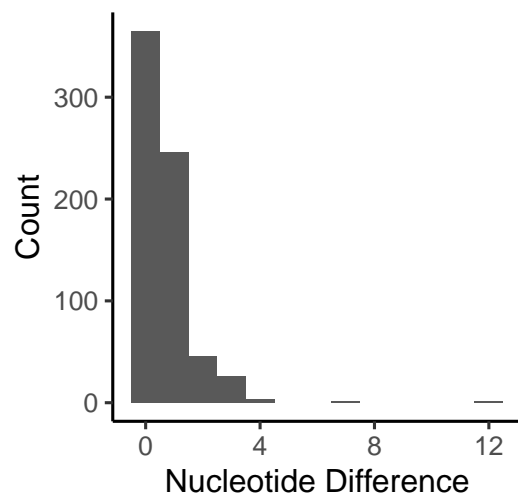
### TRBV7-9\*03

6326 sequences assigned  
4612 (72.9%) exact matches, in which:  
4258 unique CDR3  
13 unique J



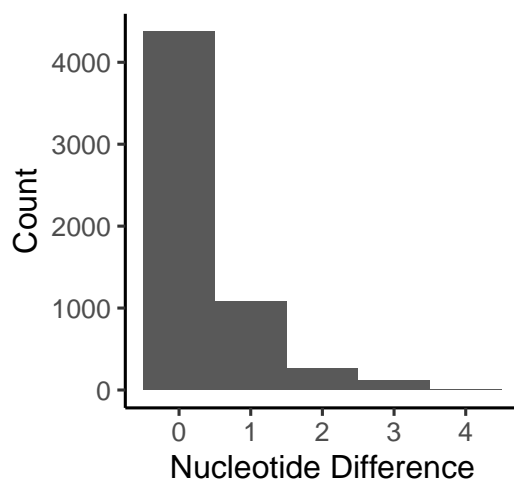
### TRBV7-7\*01

689 sequences assigned  
365 (53%) exact matches, in which:  
220 unique CDR3  
12 unique J



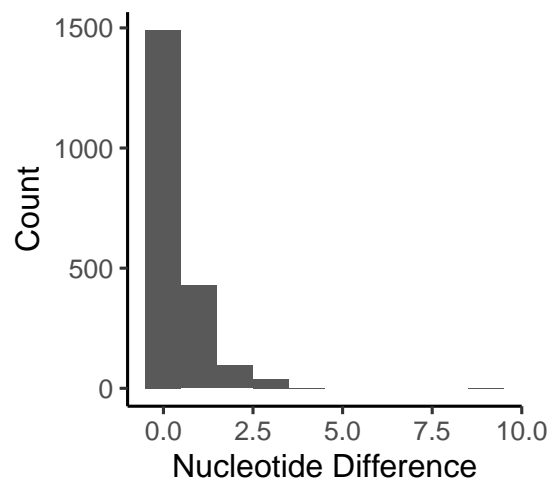
### TRBV29-1\*01

5831 sequences assigned  
4373 (75%) exact matches, in which:  
3992 unique CDR3  
13 unique J

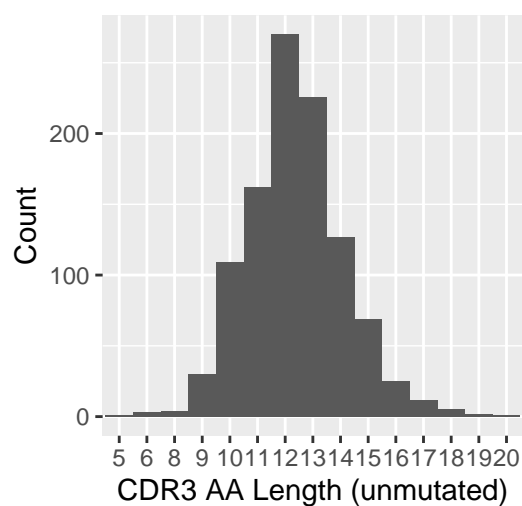


### TRBV7-8\*01

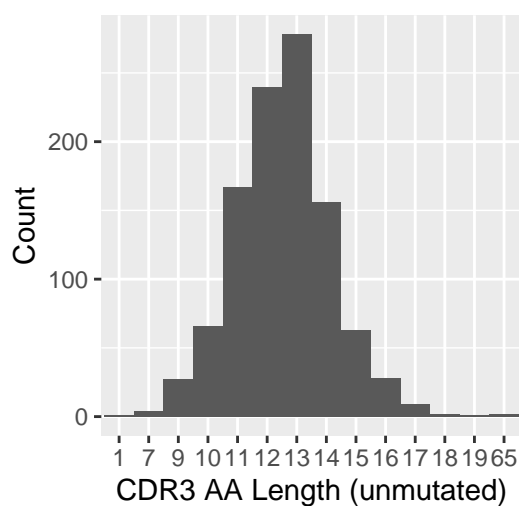
2054 sequences assigned  
1491 (72.6%) exact matches, in which:  
1293 unique CDR3  
13 unique J



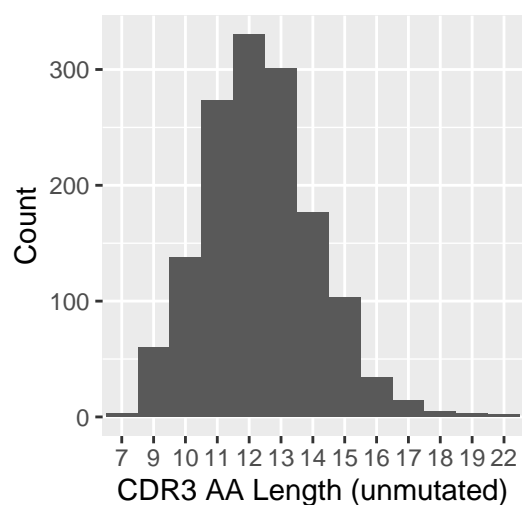
TRBV10-3\*03\_313GCCATC



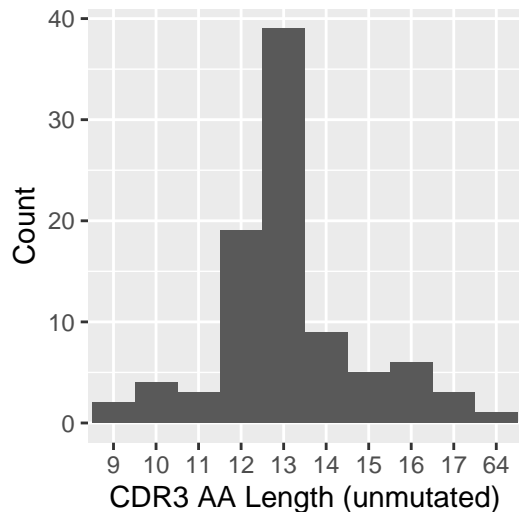
TRBV5-5\*02\_322TTGG325



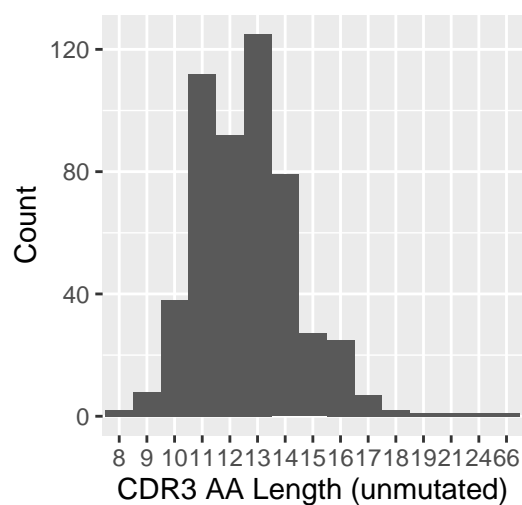
TRBV12-4\*01\_C87T



TRBV5-8\*01\_C56T\_C276T



TRBV14\*02\_322CAAGA326



TRBV6-9\*01\_A303G

